

# MONTHLY CATALOG

UNITED STATES

GOVERNMENT PUBLICATIONS

AUGUST 1970

Entries 10676-11941

SCHOOLCRAFT COLLEGE LIBRARY

PRINTED BY THE  
UNITED STATES GOVERNMENT

## DISTRIBUTION OF PUBLICATIONS

In ordering publications listed in this catalog, it should be noted that *only* those marked with an asterisk (\*) are obtainable from the Superintendent of Documents.

Publications marked with a farad (Φ) are sold by the Clearinghouse for Federal Scientific and Technical Information, Springfield, VA 22151.

Where a single dagger (†) is the distribution symbol, application should be made directly to the department or bureau issuing the document.

- \* For sale by SUPERINTENDENT OF DOCUMENTS
- Φ For sale by Clearinghouse for Federal Scientific and Technical Information, Springfield, VA 22151
- † Distribution made by Issuing Office. Not definitely available if unaccompanied by a price
- ‡ Printed for Official Use  
(not available for distribution)
- Sent to Depository Libraries

## SIZES OF PUBLICATIONS

Symbols used to designate sizes of publications listed in this catalog are as follows:

4°-----	6-12 inches high and width more than $\frac{3}{4}$ of height
large 4°-----	over 12 inches high and width more than $\frac{3}{4}$ of height
small 4°-----	under 6 inches high and width more than $\frac{3}{4}$ of height
8°-----	8-10 inches in height (size not given in entry except where publication is narrow or oblong)
large 8°-----	10-12 inches in height
12°-----	7-8 inches in height
16°-----	6-7 inches in height
24°-----	5-6 inches in height
32°-----	4-5 inches in height
48°-----	up to 4 inches high
f°-----	above 12 inches in height
narrow-----	width less than $\frac{3}{5}$ of height
oblong-----	width more than height

# MONTHLY CATALOG



OF UNITED STATES

GOVERNMENT PUBLICATIONS

---

AUGUST 1970

Number 907

---

Entries 10676-11941

Issued by the SUPERINTENDENT OF DOCUMENTS

---

U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 : 1970

L.C. Card 4-18088

FOR SALE BY THE SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT  
PRINTING OFFICE, WASHINGTON, D.C. 20402. PRICE 75 CENTS PER COPY  
EXCEPT DECEMBER (INDEX) ISSUE, WHICH VARIES IN PRICE  
SUBSCRIPTION PRICE \$7.00 PER YEAR (INCLUDING INDEX)  
\$1.75 ADDITIONAL FOR FOREIGN MAILING

## PREVIEWS

The following publications are in the process of being printed. Advance sales orders may be placed for these publications. Orders will be scheduled and copies mailed as soon as stocks are received. It is not possible to estimate the lapse of time before the publications will actually appear. All information in regard to title, series, classification, distribution, and price given in these listings is preliminary and subject to change when the publications actually come from the press. Those so marked will be sent to depository libraries, providing, that at the time of going to press, the libraries were on list to receive the items under which these publications will be distributed.

- Analysis of natural gases, 1969. (Mines Bureau, Information circular 8475.) 1.25. ● I 28.27: 8475
- Careers in the U.S. Department of Commerce. [Revised 1970.] (Commerce Department.) \$1.00. ● C 1.2: C 18/970
- Coal Research Office, 1970 annual report. (Coal Research Office.) \$1.00. ● I 63.1: 970
- Compensation in the construction industry. (Labor Statistics Bureau, Bulletin 1656.) \$1.00. ● L 2.3: 1656
- Cotton production in the United States, crop of 1969. (Census Bureau.) 20c. ● C 3.32: 969
- Daily river stages, v. 63, 1967. (Weather Bureau.) \$1.50. ● C 30.24: 63
- Directory of Federal research and development installations. (National Science Foundation, Publication NSF 70-23.) \$6.75. ● NS 1.2: F 31/2
- Equilibrium critical phenomena. (National Bureau of Standards, Special publication 327.) \$4.00. ● C 13.10: 327
- Facts about Bureau of Adults, Vocational and Technical Education. (Education Office, OE-11023-A.) 25c. ● HE 5.211: 11023-A
- Food guide for older folks. (Agriculture Department, Home and garden bulletin 17, revised.) 10c. ● A 1.77: 17/9
- Guide to programs. (National Science Foundation, Publication NSF 70-14, revised.) 75c. ● NS 1.20: P 94/970
- Hydraulics of bridge waterways. [2d. edition.] (Public Roads Bureau, Hydraulics design series no. 1.) \$1.25. ● TD 2.127: 1
- Hydrologic data for experimental agricultural watersheds, 1963. (Agriculture Department, Miscellaneous publication 1164.) \$4.00. ● A 1.38: 1164
- Ionospheric research by satellites, agreement between U.S. and Canada. (State Department, Treaties and other International Acts Series 6883.) 10c. ● S 9.10: 6883
- LSD-25, a factual account. (Narcotics and Dangerous Drugs Bureau.) 30c. ● J 24.2: L 99/2
- Major statistical series of Department of Agriculture, how they are constructed and used: v. 4, Agricultural marketing costs and charges. (Agriculture Department, Handbook 365, v. 4.) 50c. ● A 1.76: 365/v. 4
- Manual of the carices of Rocky Mountains and Colorado basin. (Agriculture Department, Handbook 374.) \$3.50. ● A 1.76: 374
- NASA scientific and technical reports and publications for 1969, a selected listing. (National Aeronautics and Space Administration, NASA SP-7035.) \$7.50. ● NAS 1.21: 7035
- Occupational employment statistics, 1960-67. (Labor Statistics Bureau, Bulletin 1643.) 50c. ● L 2.3: 1643
- Oil tagging system study. (Water pollution control series; Federal Water Quality Administration.) \$1.50. ● I 67.13/4: 15080 DJO 5/70
- Optical telescope technology. (National aeronautics and Space Administration, NASA SP-233.) \$6.25. ● NAS 1.21: 233
- Pathogens and chemicals tested against caterpillars on cabbage. (Agriculture Department, Production research report 114.) 15c. ● A 1.84: 114

- Ports of Baton Rouge and Lake Charles, La. (Engineers Corps, Port series no. 21.)  
\$1.50. ● D 103.8:21
- Precision measurement and calibration, selected NBS papers: v. 4, Electricity-  
radio frequency. (National Bureau of Standards, Special publication 300,  
v. 4.) \$5.50. ● C 13.10:300/v.4
- Psoriasis. (Public Health Service publication no. 371, Health information series  
35.) 15c. ● HE 20.10:35
- Quality of surface waters of United States. (Geological Survey, Water-supply  
paper 1965.) \$3.00. ● I 19.13:1965
- Sector income and employment multipliers and their interactions. (Agriculture  
Department, Technical bulletin 1421.) 20c. ● A 1.36:1421
- Union wages and hours: Local transit operating employees, July 1, 1969. (Labor  
Statistics Bureau, Bulletin 1667.) 25c. ● L 2.3:1667
- Vocational and technical education, annual report, fiscal year 1968. (Education  
Office, OE-80008-68.) \$2.00. ● HE 5.280:80008-68
- Wool statistics. (Agriculture Department, Statistical bulletin 455.) \$2.25. ●  
A 1.34:455
- Youth involvement. (Social and Rehabilitation Service, Publication SRS-172.)  
25c. ● HE 17.2:Y 8/3
- Youthful drug use. (Social and Rehabilitation Service, Publication SRS-145.)  
30c. ● HE 17.2:D 84/2

# Contents

---

---

	Page
Previews -----	III
Abbreviations, Explanation -----	VI
General Information -----	VII
How To Order Publications -----	VIII
New Classification Numbers -----	IX
Discontinued Series -----	x
Corrections for Previous Monthly Catalogs -----	x
List of Government Authors -----	XIII
Monthly Catalog -----	1
Index -----	89

---

---

## Abbreviations

add-----	addition, addendum, addenda.	n. d-----	no date.
amdt., amdts-----	amendment, amendments.	n. p-----	no place.
app-----	appendix, appendixes.	no., nos-----	number, numbers.
bk., bks-----	book, books.	p-----	page, pages.
chap-----	chapter, chapters.	p. of pl-----	pages of plates.
Cong-----	Congress.	par., pars-----	paragraph, paragraphs.
Dept-----	Department.	pl-----	plate, plates.
doc-----	document.	por-----	portrait, portraits.
facsim-----	facsimile, facsimiles.	pt., pts-----	part, parts.
fy-----	fiscal year.	rp-----	report.
G.H.A-----	Greenwich hour angle.	S-----	Senate, Senate bill.
H-----	House.	S. Con. Res-----	Senate concurrent resolution.
H. Con. Res-----	House concurrent resolution.	S. doc-----	Senate document.
H. doc-----	House document.	S. ex. doc-----	Senate executive document.
H. ex. doc-----	House executive document.	S. ex. rp-----	Senate executive report.
H. J. Res-----	House joint resolution.	S. J. Res-----	Senate joint resolution.
H. R-----	House of Representatives, House bill.	S. Res-----	Senate resolution.
H. Res-----	House resolution.	S. rp-----	Senate report.
H. rp-----	House report.	sec-----	section, sections.
il-----	illustration, illustrations.	sess-----	session, sessions.
in-----	inch, inches.	Stat. L-----	Statutes at large.
lat-----	latitude.	supp-----	supplement.
long-----	longitude.	tab-----	table, tables.
m-----	mile.	Treas-----	Treasury.
		v-----	volume, volumes.
		vs., v-----	versus.

Common abbreviations for the names of States, months, etc., are also used.  
 An explanation of the symbols used to designate sizes of publications is given on the inside of the front cover.

## Explanation

The individual issuing department, bureau, office, or agency is considered the publisher of Government publications.

Words and figures enclosed in brackets [ ] in titles are given for information, but do not appear on the title pages of the publications cataloged. Place and printer are not given for publications printed at the United States Government Printing Office, Washington, D.C., or at Government departmental and field printing plants. The dates given with Senate and House documents and reports are the dates on which they were ordered to be printed. Usually the printing promptly follows the ordering, but various causes sometimes make delays.

Under provisions of the Printing Act of January 12, 1895, all Government publications, except administrative and confidential (or restricted), are entered in the Monthly Catalog.

The L.C. card number appended to some of the entries is for those libraries ordering printed cards from the Library of Congress. The number at the extreme right of an entry indicates the classification of the publication in the Office of the Superintendent of Documents.



# General Information

The Superintendent of Documents, Government Printing Office, Washington, DC, is authorized by law to sell copies of Government publications and to allow a discount of 25 percent to book dealers and also to quantity purchasers of 100 or more copies of a single publication on condition that they will adhere to the public sales price set by the Superintendent of Documents and that publications shall not be overprinted with any advertising matter.

Publications cannot be supplied free to individuals nor forwarded in advance of payment.

## PRICE LIST

There is no general price list of public documents, but numerous lists have been prepared on special subjects and any of these will be furnished free, on application, by subject or subjects concerning which information is desired. It will also be noted that current publications which are for sale are listed in this catalog.

## LIST OF SELECTED PUBLICATIONS

In addition to the price lists, the Documents Office issues a biweekly list of Selected United States Government publications for sale by the Superintendent of Documents. Each list is arranged alphabetically by subjects, with annotations and prices, and may be obtained free upon application to the Superintendent of Documents.

## CONGRESSIONAL BILLS, DOCUMENTS, AND REPORTS

More than 12,000 different bills are usually introduced during a Congress, and there are additional prints on many during the progress of the legislation. With the exception of a very few—such as revenue bills—the demand is an unknown quantity and on most of them we receive no orders, which makes it impossible to print a sales supply. It may be that a copy could be obtained from your Congressman.

A difficult problem is also presented in providing a supply of congressional documents, hearings, and reports because there are approximately 6,000 of this class of publications issued during a Congress and only a few of them are called for. We will attempt to print for sale a few of the more important ones, but if not priced the only possible source would be from your Congressman.

## HOW TO ORDER PUBLICATIONS

Publications entered in this catalog that are for sale by the Superintendent of Documents are indicated by an asterisk (\*) preceding the price. Those for sale by the Clearinghouse for Federal Scientific and Technical Information are indicated by a farad (Φ) preceding the price. A black dot (●) indicates that the publication has been or will be sent to depository libraries. A dagger (†) indicates that application should be made to the department, bureau, or agency issuing the document. A double dagger (‡) indicates that the document is printed for official use and is not obtainable. Whenever additional information concerning the method of procuring a document seems necessary, it will be found under the name of the bureau by which it was published.

In ordering a publication from the Superintendent of Documents, give (if known) the name of the publishing department, bureau, or agency, and the title, together with the classification number which is added to the entry at the extreme right; order the congressional documents and reports by the title, together with the document or report number and the Congress, e.g., H. Doc. 103, 88th Congress.

Do not use the L.C. card number in ordering a publication from the Superintendent of Documents.

### HOW TO REMIT

Remittances for documents marked with an asterisk (\*) should be made to the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, by coupon, postal money order, express order, or check. Publications cannot be mailed in advance of receipt of remittance. Currency may be sent at sender's risk. Foreign remittance should be made either by international money order or draft on an American bank.

*Foreign money, defaced or smooth coins, will not be accepted. Do not send postage stamps.*

For the convenience of the general public, coupons in the denomination of 5¢ that are good until used in exchange for Government publications sold by the Superintendent of Documents, may be purchased from this office. Address order to Superintendent of Documents, Government Printing Office, Washington, DC 20402.

Persons who make frequent purchases from the Superintendent of Documents may find a deposit account convenient. Deposits of \$25.00 or more are accepted against which orders may be placed without making individual remittances or first obtaining quotations. Order blanks are furnished for this purpose. After the handling of the order has been completed, it will be returned showing the publications supplied, explanations regarding those not sent, the amount of charge, and the balance on deposit.

No charge is made for postage on documents forwarded to points in United States and possessions, or to Canada, Cuba, Mexico, and certain Central and South American countries. To other countries the regular rate of postage is charged, and remittances must cover such postage. In computing foreign postage, add one-fourth of the price of the publication.

### LIBRARY CLASSIFICATION IN DOCUMENTS OFFICE

The classification given at the right of entries for departmental publications is that used in the Library of the Division of Public Documents. It is also used as a catalog number for sales stock of this office. The shilling mark (/) separates that would ordinarily be superior or inferior numbers or letters, as it is not practicable to print these numbers or letters as superiors or inferiors in the Monthly Catalog.

# New Classification Numbers

- A 13.51/2: date----- Forest Service.  
 Forest and windbarrier planting and seeding  
 in the United States, report (annual).  
 NOTE.—Formerly issued as a part of Tree  
 planters notes, A 13.51:(nos.).
- A 13.69/10-2: date----- Rocky Mountain Forest and Range Experiment  
 Station: Publications for [year] (annual).  
 Arms Control and Disarmament Agency.
- AC 1.16: date----- World military expenditures.  
 Census Bureau.
- C 3.202/19: date----- Census of Business: Merchandise line sales,  
 BC-MLS (series).
- C 3.215/12: Reserved  
 C 3.215/13: letters-nos----- Construction reports: Housing completions, C  
 22 (series) (monthly).  
 Federal Power Commission.
- FP 1.7/3: date----- Uniform system of accounts prescribed from  
 public utilities and licensees.  
 NOTE.—See, for earlier publications, FP 1.7:  
 Ac 2/3/(date), FP 1.7: Ac 2/4/(date), and FP  
 1.7: Ac 2/5/(date).
- GS 1.6/6-2: nos----- General Services Administration.  
 Counseling guides (numbered).  
 National Archives and Records Service.
- GS 4.10/2: nos----- National Archives inventory series.  
 Education Office.
- HE 5.87: CT----- Elementary teacher education program, feasi-  
 bility studies.  
 National Air Pollution Control Administration.
- HE 20.1309/a: CT----- National Air Pollution Control Administration  
 publication, AP-(series) (separates).  
 Health Service and Mental Health Administra-  
 tion.
- HE 20.2014: Reserved  
 HE 20.2015: date----- Directory of local health and mental health  
 units.  
 NOTE.—See, for earlier class, FS 2.77:(date).  
 National Center for Health Services Research  
 and Development.
- HE 20.2110: nos----- NCHS-RD-(series).  
 National Center for Health Statistics.
- HE 20.2211: date----- Annual report of United States National Com-  
 mittee on Vital and Health Statistics, fiscal  
 year.  
 NOTE.—See, for earlier class, FS 2.120:(date).  
 Health Facilities Planning and Construction  
 Service.
- HE 20.2511: letters-nos----- Health facilities series.  
 NOTE.—See, for earlier class, FS 2.74/3:(letters-  
 nos.).  
 National Institutes of Health.
- HE 20.3011: nos----- Computer Research and Technology Division:  
 Technical reports.  
 NOTE.—See, for earlier class, FS 2.22/64:(nos.).

- HE 20.3013/2: date----- Research grants index (annual).  
NOTE.—See, for earlier class, FS 2.22/7-2: (date).
- Health Professions Education and Manpower Training Bureau.
- HE 20.3111: date----- Current research project grants (annual).  
NOTE.—See, for earlier publication, FS 2.22: N 93/8/969.
- National Institute of Child Health and Human Development.
- HE 20.3360: Reserved
- HE 20.3361: CT----- Bibliographies and lists of publications.
- HE 20.4013: date----- Food and Drug Administration.  
FDA current drug information.
- Outdoor Recreation Bureau.
- I 66.19: date----- Balance, a discussion of conservation issues.
- I 66.19/2: date----- Continental divide trail study progress reports.
- I 66.19/3: date----- Mid-continent memo.
- IC 1.12/3: CT----- Interstate Commerce Commission.  
Handbooks, manuals, guides.
- NS 1.31: CT----- National Science Foundation.  
Science resources studies highlights.
- PrEx 13.3: -.7: Reserved
- PrEx 13.8: CT----- National Clearinghouse for Drug Abuse Information.
- SI 1.31: CT----- Handbooks, manuals, guides.  
Smithsonian Institution.  
Addresses.
- TD 1.8: CT----- Transportation Department.  
Handbooks, manuals, guides.
- TD 1.9/2: Reserved
- TD 1.9/3: date----- Department of Transportation telephone directory, directory of services and classified.
- TD 1.109/11: date----- National Transportation Safety Board.  
Briefs of accidents by make and model of aircraft, U.S. general aviation (compilation).
- Y 3.N 21/25: 1/date----- National Commission on Product Safety.  
Report.
- Y 3.N 21/25: 2/CT----- General publications.

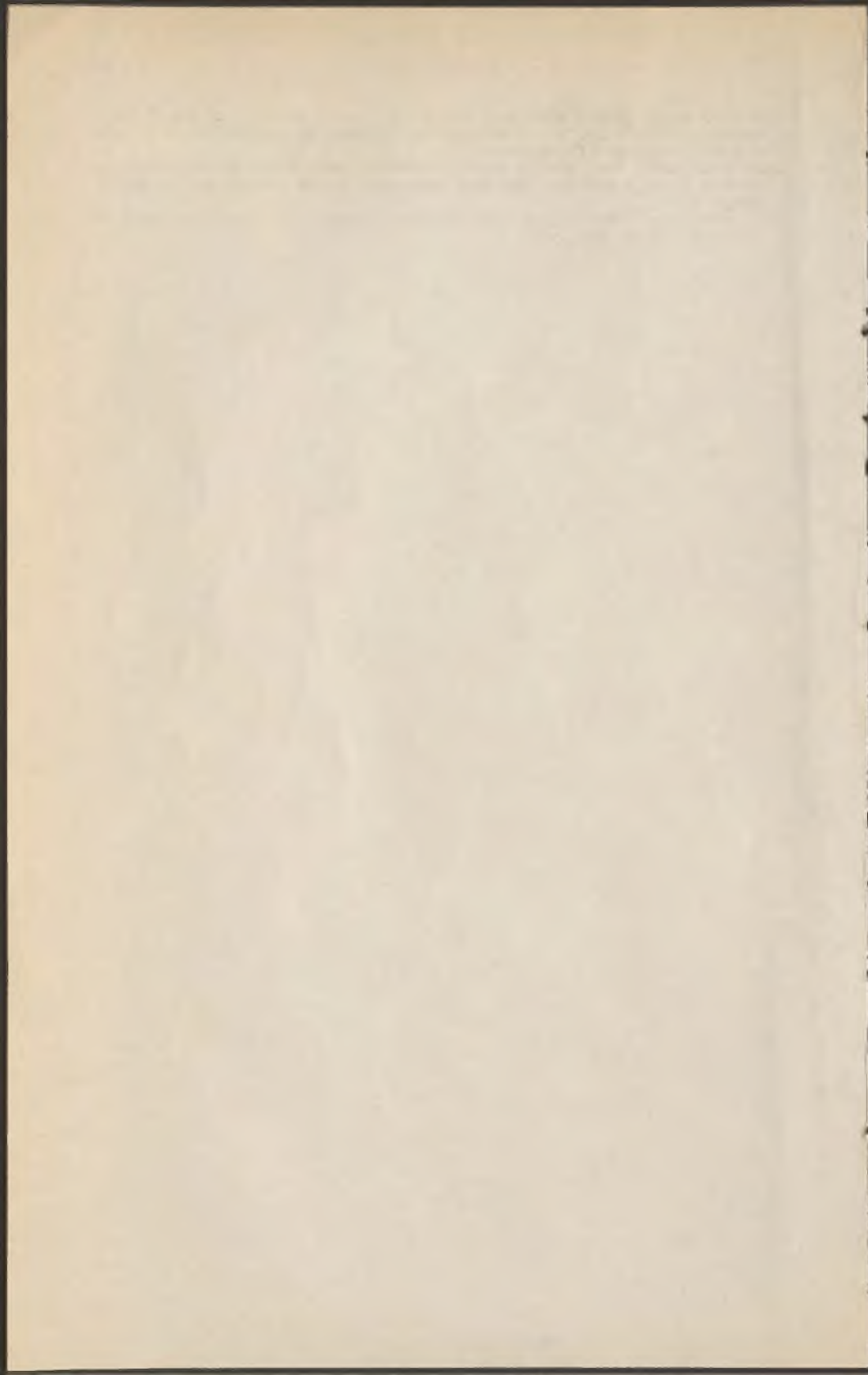
## Discontinued Series

- PrEx 10.9/2: v. nos. & nos---- Economic Opportunity Office.  
Communities in action, bimonthly magazine about war on poverty.
- NOTE.—Discontinued with v. 5, no. 3, June 1969.

## Corrections for Previous Monthly Catalogs

- Apr. 1969. Entry 6094, San Juan Island National Historical Park, Wash. Change † to \* Paper, 15c., and correct class to read I 29.21: Sa 5j/2/969.
- Sept. 1969. Entry 12462, Flood plain information: Johnson Creek, Arlington and Grand Prairie, Tex. Add class at end of entry, D 103.47: Ar 5.
- Nov. 1969. Entry 15526, Joint travel regulations, v. 2 Civilian personnel. Correct class to read D 1.6/5: 969.
- Mar. 1970. Entry 4124. United States standard flight inspection manual, Change 15. Correct class to read TD 4.8: F 64/963/rep.-2/ch.15.
- Entry 4138, Area trends, supplement to FHA trends, sec. 203, Home mortgages issued by FHA, 2d quarter, 1969. Correct class to read: HH 2.24/3: 969/1.
- Entry 4141, State trends, supplement to FHA trends, sec. 203, Home mortgages insured by FHA, 2d quarter, 1969. Correct class to read: HH 2.24/2: 969/1.

- Apr. 1970. Entry 4906, United States plywood imports, 1958-68. At end of entry change \* Paper, 25c. to †(Information incorrect in publication as to sale by Superintendent of Documents.)
- June 1970. Entry 8444, List of plants operating under USDA poultry and egg grading and egg products inspection programs. Add ● Item 40-B-1 at end of entry.
- July 1970. Entry 9933, Postal modernization, hearings, pt. 2. Correct class to read Y 4.P 84/11; M 72/pt.2.



# List of Government Authors

	Beginning entry
Advisory Commission on Intergovernmental Relations.....	10676
Agriculture Department.....	10682
Agricultural Research Service.....	10677
Consumer and Marketing Service.....	11151
Economic Research Service.....	11190
Farmers Home Administration.....	11280
Federal Crop Insurance Corporation.....	11299
Federal Extension Service.....	11302
Food and Nutrition Service.....	11339
Foreign Agricultural Service.....	11340
Forest Service.....	11343
Rural Electrification Administration.....	11845
Soil Conservation Service.....	11869
Statistical Reporting Service.....	11905
Arms Control and Disarmament Agency.....	10729
Atomic Energy Commission.....	10752
Civil Aeronautics Board.....	10837
Civil Service Commission.....	10844
Commerce Department.....	10862
Business and Defense Services Administration.....	10782
Census Bureau.....	10784
Economic Development Administration.....	11186
Environmental Science Services Administration.....	11264
Coast and Geodetic Survey.....	10853
Weather Bureau.....	11936
International Commerce Bureau.....	11460
Maritime Administration.....	11560
National Bureau of Standards.....	11730
United States Travel Service.....	11927
Congress.....	10899
Economic Joint Committee.....	10936
House of Representatives.....	10940
Agriculture Committee.....	11017
Appropriations Committee.....	11020
Armed Services Committee.....	11023
Banking and Currency Committee.....	11025
Crime, Select Committee on.....	11030
Education and Labor Committee.....	11031
Foreign Affairs Committee.....	11033
Government Operations Committee.....	11034
House Administration Committee.....	11037
Interior and Insular Affairs Committee.....	11038
Interstate and Foreign Commerce Committee.....	11041
Judiciary Committee.....	11049

Congress—Continued	Beginning entry
House of Representatives—Continued	
Post Office and Civil Service Committee.....	11054
Public Works Committee.....	11055
Science and Astronautics Committee.....	11058
Small Business, Select Committee on.....	11060
Senate .....	11062
Agriculture and Forestry Committee.....	11103
Appropriations Committee.....	11104
Armed Services Committee.....	11107
Banking and Currency Committee.....	11110
Commerce Committee.....	11113
District of Columbia Committee.....	11116
Finance Committee.....	11117
Foreign Relations Committee.....	11122
Government Operations Committee.....	11126
Interior and Insular Affairs Committee.....	11128
Judiciary Committee.....	11132
Labor and Public Welfare Committee.....	11135
Post Office and Civil Service Committee.....	11142
Public Works Committee.....	11143
Rules and Administration Committee.....	11147
Small Business, Select Committee on.....	11148
Defense Department.....	11158
Air Force Department.....	10710
Judge Advocate General.....	11522
Army Department.....	10731
Army Medical Department.....	10751
Civil Defense Office.....	10839
Engineers Corps.....	11248
Military History, Office of Chief of.....	11572
Information for Armed Forces, Office of.....	11437
Joint Chiefs of Staff.....	11486
National Guard Bureau.....	11770
Navy Department	
Marine Corps.....	11558
Medicine and Surgery Bureau.....	11567
Naval Facilities Engineering Command.....	11807
Naval Operations Office	
Naval Observatory.....	11808
Naval Oceanographic Office.....	11810
Naval Personnel Bureau.....	11811
Naval Academy.....	11806
Naval Research Office.....	11817
Farm Credit Administration.....	11279
Federal Communications Commission.....	11293
Federal Council for Science and Technology.....	11298
Federal Deposit Insurance Corporation.....	11300
Federal Home Loan Bank Board.....	11303
Federal Maritime Commission.....	11309
Federal Power Commission.....	11312
Federal Reserve System Board of Governors.....	11320
General Accounting Office.....	11371



	Beginning entry
General Services Administration.....	11384
Federal Supply Service.....	11332
National Archives and Records Service.....	11718
Federal Register Office.....	11318
Government Printing Office.....	11403
Public Documents Division.....	11836
Health, Education, and Welfare Department.....	11404
Child Development Office.....	10836
Education Office.....	11199
Public Health Service	
Environmental Health Service.....	11261
Environmental Control Administration.....	11259
National Air Pollution Control Administration.....	11712
Solid Waste Management Bureau.....	11874
Food and Drug Administration.....	11337
Health Services and Mental Health Administration.....	11416
Health Facilities Planning and Construction Service.....	11406
Maternal and Child Health Service.....	11564
National Center for Health Services Research and Development.....	11752
National Center for Health Statistics.....	11754
National Institute of Mental Health.....	11773
Regional Medical Programs Service.....	11844
National Institutes of Health.....	11779
Health Professions Education and Manpower Training Bureau.....	11408
National Cancer Institute.....	11750
National Institute of Child Health and Human Development..	11771
National Institute of General Medical Sciences.....	11772
Social and Rehabilitation Service	
Medical Services Administration.....	11566
National Center for Social Statistics.....	11756
Social Security Administration.....	11855
Housing and Urban Development Department.....	11417
Federal Housing Administration.....	11304
Interior Department.....	11439
Alaska Power Administration.....	10727
Coal Research Office.....	10850
Federal Water Quality Administration.....	11333
Fish and Wildlife Service	
Commercial Fisheries Bureau.....	10882
Sport Fisheries and Wildlife Bureau.....	11877
Geological Survey.....	11386
Mines Bureau.....	11573
National Park Service.....	11786
Outdoor Recreation Bureau.....	11821
Reclamation Bureau.....	11842
Interstate Commerce Commission.....	11482
Joint Publications Research Service.....	11488
Justice Department.....	11523
Community Relations Service.....	10898
Federal Bureau of Investigation.....	11292

	Beginning entry
Justice Department—Continued	
Immigration and Naturalization Service.....	11436
Prisons Bureau.....	11835
Labor Department.....	11524
Labor Statistics Bureau.....	11529
Manpower Administration	
Apprenticeship and Training Bureau.....	10728
Training and Employment Service.....	11913
Veterans Reemployment Rights Office.....	11934
Wage and Labor Standards Administration	
Labor Standards Bureau.....	11527
Wage and Hour and Public Contracts Divisions.....	11935
Women's Bureau.....	11937
Lewis and Clark Trail Commission.....	11551
Library of Congress.....	11552
Copyright Office.....	11156
Missouri Basin Inter-Agency Committee.....	11597
National Aeronautics and Space Administration.....	11600
National Clearinghouse for Drug Abuse Information.....	11763
National Commission on Product Safety.....	11767
National Foundation on the Arts and the Humanities	
National Endowment for the Arts.....	11769
National Labor Relations Board.....	11783
National Science Foundation.....	11797
Post Office Department.....	11826
President of United States.....	11829
Executive Office of the President	
Special Representative for Trade Negotiations, Office of.....	11876
Public Land Law Review Commission.....	11837
Ship Structure Committee.....	11846
Small Business Administration.....	11847
Smithsonian Institution.....	11849
National Collection of Fine Arts.....	11764
National Museum.....	11784
State Department.....	11894
Tariff Commission.....	11907
Tennessee Valley Authority.....	11912
Transportation Department.....	11915
Coast Guard.....	10854
Federal Aviation Administration.....	11281
Air Traffic Service.....	10726
Aviation Medicine Office.....	10780
Federal Highway Administration	
Public Roads Bureau.....	11838
Federal Railroad Administration.....	11316
Railroad Safety Bureau.....	11841
National Transportation Safety Board.....	11799
Treasury Department.....	11919
Customs Bureau.....	11157
Internal Revenue Service.....	11454
Veterans Administration.....	11930

# Monthly Catalog

NO. 907 • AUGUST 1970

## ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS Washington, DC 20575

- 10676 Commuter and municipal income tax, background paper [with bibliography]. Apr. 1970. v+32 p. (M-51.) \* Paper, 25c. • Item 1049-D  
L.C. card 76-608068 Y 3.Ad 9/8: 2 C 73

## AGRICULTURAL RESEARCH SERVICE, Agriculture Dept. Washington, DC 20250

- ARS (series). † A 77.15:(nos.)
- 10677 34-113. Crops research: Results of 1968 regional cotton variety tests by cooperating agricultural experiment stations; [by C. F. Lewis and Thomas Kerr]. May 1970. cover title, [3]+103 p. il. 4° [Prepared in Cotton and Cordage Fibers Research Branch, Crops Research Division.]  
L.C. card 76-602099
- 10678 51-32. Temperature, moisture, and relative humidity of stored tobacco; [by Dana P. Childs, J. E. Overby, and B. J. Watkins]. June 1970. 34 p. il. 4°
- 10679 51-39. Effect of treatment of raisins on numbers of insects infesting raisin packages; [by Albert P. Yerington]. May 1970. 7 p. 4°
- 10680 73-66. Reverse osmosis plant for maple sap concentration; [by W. H. Moore, jr., and C. O. Willits]. May 1970. 14 p. il. 4° (EU publication 3271; [Eastern Utilization Research and Development Division.]
- 10681 Publications and patents, Eastern Utilization Research and Development Division, publication nos. 3104-3224, July-Dec. 1969. [May 1970.] 35 p. 4° † A 77.17/4: 969-2

## AGRICULTURE DEPARTMENT Washington, DC 20250

NOTE.—Requests to the Department of Agriculture for publications should include the USDA number if given in the entry.

- Agriculture handbooks • Item 3 A 1.76:(nos.)
- 10682 370. Artificial reforestation practices for Southwest [with list of literature cited; by] Gilbert H. Schubert, L. J. Heidmann, and M. M. Larson. May 1970. il+25 p. il. 4° (Forest Service.) \* Paper, 35c.  
L.C. card 73-608027
- 10683 377. TRAS, computer program for projection of timber volume. June 1970. iv +24 p. il. 4° (Forest Service.) \* Paper, 40c.  
L.C. card 70-607048
- Agricultural information bulletin.
- 10684 275. Farmer cooperatives, farm business tools; [by Beryle Stanton]. [1970.] v +74 p. il. (Farmer Cooperative Service.) [Includes list of other publications available from Farmer Cooperative Service.] \* Paper, 45c. • Item 4  
L.C. card 70-607955 A 1.75:275/2

- Home and garden bulletins. • Item 11 A 1.77:(nos.)
- 10685 5. Food for family with young children; [prepared by Consumer and Food Economics Research Division, Agricultural Research Service]. [Revised Apr. 1960; slightly revised July 1970.] [1970.] 16 p. il. \* Paper, 10c.
- 10686 105. Vegetables in family meals, guide for consumers; [prepared by Consumer and Food Economics Research Division, Agricultural Research Service]. [Sept. 1965; slightly revised May 1970.] [1970.] 32 p. il. \* Paper, 20c.  
L.C. card 79-608196

☛For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
•Sent to Depository Libraries

Page 1

GOVERNMENT PUBLICATIONS

Leaflet.

- 10687 278. Tomatoes on your table; [prepared by Human Nutrition Research Division, Agricultural Research Service]. [Revised Oct. 1964, slightly revised Apr. 1966.] [1966.] 16 p. il. narrow 8° \* Paper, 10c. A 1.35: 278/6  
L.C. card 71-608178

Marketing research reports. ● Item 13-B A 1.82: (nos.)

- 10688 861. Effects of storage temperatures on quality of cottonseed salad oil; [by Lewis A. Baumann and Marion E. Whitten]. [July 1970.] [2]+22 p. il. 4° (Agricultural Research Service.) \* Paper, 20c.
- 10689 862. Effects of storage temperature on quality of soybean salad oil; [by Lewis A. Baumann and Marion E. Whitten]. [June 1970.] iv+24 p. il. 4° (Agricultural Research Service.) \* Paper, 25c.
- 10690 878. Guidelines for poultry-processing plant layouts [with list of literature cited]; by Rex. E. Childs, M. J. Reed, and John A. Hamann. May 1970. iv+44 p. il. 4° (Agricultural Research Service.) [Prepared in cooperation with College of Agriculture Experiment Stations, University of Georgia. Text on p. 3 of cover.] \* Paper, 60c.
- 10691 888. Prices and spreads for apples, grapefruit, grapes, lemons, and oranges sold fresh in selected markets, 1962/63-1966/67; [by Alfred J. Burns and Victor G. Edman]. [June 1970.] cover title, viii+73 p. il. 4° ([Marketing Economics Division, Economic Research Service.]) [Page ii of text appears on page 2 of cover.] \* Paper, 75c.  
L.C. card 74-608011

Miscellaneous publications. A 1.38: (nos.)

- 10692 1119. Automatic crowding gate for dairy cows. Jan. 1969. [2] p. il. 4° (Cooperative farm building plan exchange; plan 6037; [Agricultural Engineering Research Division, Agricultural Research Service.]) \* Paper, 5c.
- 10693 1147. Range and wildlife habitat evaluation, a research symposium, Flagstaff and Tempe, Ariz., May 1968 [with lists of literature cited]. May 1970. viii+220 p. il. 4° (Forest Service.) [Sponsored by Branch of Range and Wildlife Habitat Ecology and Management Research, Forest Service. Some illustrations are colored.] \* Paper, \$3.00. ● Item 13-A  
L.C. card 76-608120
- 10694 Orderly liquidation of stocks of agricultural commodities held by Commodity Credit Corporation and expansion of markets for surplus agricultural commodities, annual report by Secretary of Agriculture in response to sec. 201(b), Public law 540, 84th Congress. Jan. 1970. cover title, iv+52 p. il. 4° (Export Marketing Service.) † A 99.9: 970

PA [Program aid] (series). ● Item 14-A A 1.68: (nos.)

- 10695 534. Food stamp program, guide for retailers and wholesalers. Revised Dec. 1966; slightly revised June 1970. [1970.] 4 p. oblong 12° (Food and Nutrition Service.) †
- 10696 800. Rental & co-op housing in rural areas, [loans for rental and cooperative housing for senior citizens and other residents in rural areas]. [May 1967, slightly revised May 1970.] [1970.] [8] p. il. narrow 8° (Farmers Home Administration.) [Supersedes PA-640, Housing for senior citizens.] \* Paper, 10c.
- 10697 873. Regulating shipment of living pests, pathogens, and vectors. [May 1968, slightly revised May 1970.] [1970.] 6 p. narrow 8° ([Plant Protection Division, Plant Quarantine Division, Animal Health Division, Agricultural Research Service.]) †
- 10698 942. Search for solitude, our wilderness heritage. June 1970. [2]+32+[2] p. il. oblong 8° (Forest Service.) [Illustrations are colored.] \* Paper, 65c.
- 10699 944. Rinderpest, highly contagious virus disease of cattle; [prepared by Animal Health Division and Animal Disease and Parasite Research Division, Agricultural Research Service]. [July 1970.] [8] p. il. narrow 8° [Illustrations are colored.] †
- 10700 955. Got a forestry problem, extension foresters can help. [May 1970.] [8] p. il. narrow 8° (Extension Service.) [Prepared in cooperation with State Land-Grant Universities.] \* Paper, 10c.
- 10701 959. Wild hemp (marijuana), how to control it. [July 1970.] [8] p. il. narrow 8° (Extension Service.) [Prepared in cooperation with Justice Department, Narcotics and Dangerous Drugs Bureau, illustrations are colored.] \* Paper, \$5.50 per hundred; single copy, 10c.

Production research reports. ● Item 13-C A 1.84: (nos.)

- 10702 117. Field experiments on insecticidal control of cabbage loopers; [by C. S. Creighton, T. L. McFadden, and Robert B. Cuthbert II]. [Aug. 1970.] [2]+6 p. 4° (Agricultural Research Service.) [Prepared in cooperation with South Carolina Agricultural Experiment Station.] \* Paper, 10c.
- 10703 118. Predicting summer production losses for swine; [by S. R. Morrison, LeRoy Han, and T. E. Bond]. [May 1970.] [2]+14 p. il. 4° (Agricultural Research Service.) [Prepared in cooperation with California Agricultural Experiment Station.] \* Paper, 15c.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

AUGUST 1970

- Statistical bulletins. ● Item 15 A 1.34:(nos.)
- 10704 333. Livestock and meat statistics, supplement for 1969. July 1970. [1]+v+152 +[1] p. 4° (Economic Research Service, Statistical Reporting Service, Consumer and Marketing Service.) \* Paper, \$1.25.  
L.C. card Agr 58-260
- 10705 420. Dairy market statistics 1967, annual summary of market statistics [collected and computed by Dairy and Poultry Market News Branch]. Mar. 1968. v+30 p. 4° (Consumer and Marketing Service.) †  
L.C. card 78-603339
- 10706 423. Food grain statistics, wheat, rye, rice, flour, by products, supplement for 1968; [prepared by F. R. Gomme, Alberta M. Smith, and J. R. Mullins]. [June 1970.] cover title, 52 p. 4° (Economic Research Service.) [Text on p. 2 of cover.] \* Paper, 55c.
- 10707 [451.] Fresh fruit and vegetable prices, 1969, wholesale, Chicago and New York City, auction, Chicago and New York City, F.O.B., leading shipping points; [prepared by Market News Branch], Fruit and Vegetable Division, Consumer and Marketing Service. May 1970. 38+[1] p. 4° \* Paper, 35c.  
L.C. card 46-22940
- 10708 456. Labor used on U.S. farms, 1964 and 1966; [by Walter E. Sellers, jr.]. [June 1970.] [1]+iii+24 p. ii. 4° (Economic Research Service.) \* Paper, 30c.  
L.C. card 79-608110
- Technical bulletin.
- 10709 1413. Thermal properties and heat transfer characteristics of Marsh grapefruit [with list of literature cited; by A. H. Bennett, W. G. Chace, jr., R. H. Cubbedge]. [June 1970.] [2]+29 p. ii. (Agricultural Research Service.) \* Paper, 20c. ● Item 18 A 1.36:1413  
L.C. card 71-608013

AIR FORCE DEPARTMENT, Defense Dept.  
Washington, DC 20330

Air Force Human Resources Laboratory: [Technical report] AFHRL-TR (series). (Personnel Research Division, Air Force Systems Command, Lackland Air Force Base, Tex.) † D 301.45/27:(nos.)

- 10710 69-19. Equivalence of AFOQT scores for different educational levels; by Ernest C. Tupes, [and] Robert E. Miller. Sept. 1969. vii+9+[2] p. 4° ([Project 7717, task 771706.1]) [Brooks Air Force Base appears on cover.]
- 10711 69-33. Career indications among junior officers [with list of references]; by Faye Shenk. Sept. 1969. vii+12+[2] p. 4° ([Project 7719, task 771907.1]) [Brooks Air Force Base appears on cover.]
- 10712 70-7. Graduate education of air force line officers; by John N. Taylor. Jan. 1970. viii+21+[2] p. ii. 4° ([Project 6323, task 632302.1]) [Brooks Air Force Base appears on cover.]

Air Force manual AFM (series). ● Item 421 D 301.7:(nos.)

- 10713 11-1. Communications-electronics activities: Communications-electronics terminology. Mar. 20, 1970. cover title, [1]+320 p. 4° [Issued with perforations. Supersedes AFM 100-39, Apr. 1, 1965.] \* Paper, \$2.50.
- 10714 26-3. Manpower: Air Force manpower determinants, Change 10. June 19, 1970. [282] p. 4° [Issued with perforations.] †
- 10715 26-3. Manpower: Air Force manpower determinants, Change 11. June 29, 1970. [225] p. 4° [Issued with perforations.] †
- 10716 55-9. See Federal Aviation Administration, Transportation Dept. handbook 8260.3A.
- 10717 64-2. See, Coast Guard, Treasury Dept., National search and rescue manual.
- 10718 78-1. See Defense Department, Defense Supply Agency manual 4215.1.
- 10719 127-101. Safety: Industrial safety accident prevention handbook [with bibliography]. June 26, 1970. cover title, [384] p. ii. 4° [Issued with perforations. Supersedes AFM 127-101, Dec. 30, 1965.] †  
L.C. card 70-608116

Air Force pamphlet AFP (series).

- 10720 161-16. Aerospace medicine: Physiology of flight. Apr. 1, 1968. cover title, 1+251 p. ii. 4° [Issued with perforations. Supersedes AFP 160-10-4, Jan. 1, 1961.] \* Paper, \$1.75  
L.C. card 73-608165 D 301.35:161-16
- 10721 216-24. See, Information for Armed Forces, Office of, Pocket guide to Korea.
- 10722 Discover the world, women in Air Force; [produced by Advertising Division]. [1970.] 12 p. ii. 4° ([NBS 70-5W.]) [Illustrations are colored.] † ● Item 424 D 301.2:W 84/3

Environmental Technical Applications Center: Technical note.

- 10723 70-5. Selected annotated bibliography of environmental studies of Iraq, Jordan, Lebanon, and Syria (1960-69); compiled by Vincent J. Creast, Dennis L. Boyer, and Alvin L. Smith, jr. May 1970. x+26+[1] p. 4° † Paper, \$3.00.  
L.C. card 70-608132 D 301.40/2:70-5

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 3

GOVERNMENT PUBLICATIONS

- 10724 Lithograph series: set 9, U.S. Air Force. [1969.] 12 prints, each 17 x 22 in. or 22 x 17 in. [Colored lithographs suitable for framing. Issued in envelope. Includes: A-7D Corsair II; F-104 Space pilot trainer, Air Force Flight Test Center; Supersonic wind tunnel; Flying low; High-speed photography of shock waves; Shot in the dark; Ace in the hole; Inertial guidance package test; Calibrating lens distortion; Thermal chamber; Winter vigil; Applied science.] \* Paper, \$3.00. D 301.76: 9
- 10725 — set 10, U.S. Air Force. [1969.] 12 prints, each 8 x 10 in. or 10 x 8 in. [Colored lithographs suitable for framing. Issued in envelope. Includes: C-5 Galaxy, Maiden flight; VC-137, Air Force One; T-38 Talon; F-106s over Mount Rainier; Thunderbirds; F-101s, Golden Gate Bridge; G-9, Gateway Arch; Arctic radar, Thule BMEWS; Academy cadet at Eagle Statue; Symbols of Air Force Academy; Hat tossing at graduation; Photo of the month AAVS.] \* Paper, \$1.00. D 301.76: 10

AIR TRAFFIC SERVICE, Transportation Dept.  
Washington, DC 20553

- 10726 Special military operations handbook, Change 5. [Apr. 7, 1970.] [53] p. 4° (7610.4A, CHG 5.) [Effective Aug. 1, 1970. Cancellation date Dec. 1, 1970. Issued in looseleaf form.] † ● Item 431-D-1  
TD 4.308: M 59/ch.5

ALASKA POWER ADMINISTRATION, Interior Dept.  
P.O. Box 50, Juneau, AK 99801

- 10727 Alaska resources development studies: Development of new lands in Matanuska-Susitna Borough [with bibliography]. Feb. 1970. xiv+90 +[5] p. il. 1 pl. 4° [Report of study team.] ‡  
L.C. card 75-608187 I 68.9: M 41/2

APPRENTICESHIP AND TRAINING BUREAU, Labor Dept.  
Washington, DC 20210

- 10728 Apprentice training, sure way to skilled craft. [Revised July 1970.] [1970.] [10] p. il. narrow 8° \* Paper, 15c. ● Item 748 L 23.2: T 68/9/970

ARMS CONTROL AND DISARMAMENT AGENCY  
Washington, DC 20451

- 10729 Ammunition production for Vietnam, impact on southeast Kansas; by Bruce W. Macy, Robert E. Roberts, Patricia Quinlan. Feb. 12, 1970. [1]+v+158 p. il. 4° [Prepared by Midwest Research Institute, final report on contract ACDA/E-142, MRI project 3114-D.] \* Paper, \$1.25.  
● Item 125-A-3  
L.C. card 74-608184 AC 1.2: K 13
- 10730 World military expenditures, 1969 [and related data for 120 countries]. [Dec. 1969, published 1970.] cover title, ii+26 p. il. 4° ([Publication 53; Economic Bureau.]) [Text on p. 2 & 3 of cover.] \* Paper, 60c.  
● Item 125-A-8  
L.C. card 76-601635 AC 1.16: 969

ARMY DEPARTMENT, Defense Dept.  
Washington, DC 20310

AMC pamphlets. (Army Materiel Command.) ‡ ● Item 322-A  
D 101.22/3: (nos.)

- 10731 310-1. Military publications: Index of publications and blank forms, current as of June 5, 1970, Change 2. July 1, 1970. 30+[1] p. 4° [Issued with perforations.]
- 10732 715-6. Procurement: Preproduction evaluation (PPE) contracts. May 1970. cover title, [133] p. il. 4° [Issued with perforations.]  
L.C. card 76-608112

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

# AUGUST 1970

## Field manual FM (series).

- 10733 20-150. See, Coast Guard, Transportation Dept., National search and rescue manual.
- 10734 21-11. First aid for soldiers. May 1970. 158 p. ll. [Supersedes FM 21-11, July 22, 1959 including all changes; and certain paragraphs of FM 8-50, June 6, 1957, including Change 1, Aug. 1965.] †  
D 101.20: 21-11/3

## Pamphlets.

D 101.22: (nos.)

- 10735 210-1. United States Army installations and major activities in continental United States. May 1970. cover title, 17 p. 4. [Issued with perforations. Supersedes DA Pam 210X1, Dec. 1, 1968.] \* Paper, 30c.  
L.C. card 55-63776
- 10736 360-414. See, Information for Armed Forces, Office of, Pocket guide to Korea.
- 10737 420-5. Facilities engineering, work performance standards for post engineering. Change 1, effective, June 30, 1970. [1970.] [4] p. 4° [Issued with perforations.] † ● Item 327 (Rev. 1969)
- 10738 550-76. Area handbook for Mongolia [with bibliographies; by] Trevor N. Dupuy [and others]. Mar. 1970. xiv+500 p. ll. [Prepared for American University by Historical Evaluation and Research Organization. Research and writing were completed on Dec. 11, 1968.] \* Cloth, \$3.75.  
● Item 327 (Rev. 1969.)
- 10739 700-2. Commander's supply and maintenance handbook, Change 1, effective Mar. 31, 1970. [1970.] [52] p. ll. 16° [Issued in looseleaf form.] †  
● Item 327 (Rev. 1969.)

## Technical manual TM (series).

D 101.11: (nos.)

- 10740 5-241-6/2. Universal transverse mercator grid tables for latitudes 0°-80°, Clarke 1880 spheroid (meters): v. 2, Transformation of coordinates from grid to geographic. July 1958. x+242+[2] p. ll. 4° [Issued with perforations.] \* Paper, \$1.75.  
L.C. card 60-61075
- 10741 5-241-32/2. Universal transverse mercator grid tables for latitudes 0°-80°, Australian national spheroid (meters): v. 2, Transformation of coordinates from grid to geographic. Feb. 1967. cover title, x+242+[1] p. ll. 4° [Issued with perforations.] \* Paper, \$1.25.
- 10742 11-2557-26. See Federal Aviation Administration, Transportation Dept. handbook 8260.3A.
- 10743 38-703. Integrated logistic support (ILS), management guide. Nov. 1969. cover title, [44] p. ll. 4° [Issued with perforations.] \* Paper, 60c.
- 10744 38-703-1. Integrated logistics support (ILS), support integration. Nov. 1969. cover title, [143] p. ll. 14 pl. 4° [Issued with perforations.] \* Paper, \$2.50.
- 10745 38-703-2. Integrated logistic support (ILS) procedural guide. Nov. 1969. [76] p. ll. 7 pl. 4° [Issued with perforations.] \* Paper, \$1.50.
- 10746 38-703-3. Integrated logistics support (ILS), Maintenance engineering analysis data system. Nov. 1969. cover title, [120] p. ll. 4° [Issued with perforations.] \* Paper, \$1.50.
- 10747 55-200. Railway operating rules, Apr. 22, 1964, Change 1 June 4, 1970. [7] p. 16° (Air Force Dept. TO 45-1-5.) [Issued with perforations.] † ● Item 329
- 10748 U.S. Army register: v. 1, Regular Army active list, Jan. 1, 1970. 1970. xiii+[3]+476 p. 4° [Also issued as H. doc. 250, v. 1, 91st Cong., 2d sess.] \* Paper, \$4.25. ● Item 332  
L.C. card 4-18250  
D 102.9: 970/v.1
- 10749 — v. 2, Army, NGUS, USAR, and other active lists, Jan. 1, 1970. 1970. xiii+[3]+1195 p. 4° [Also issued as H. doc. 250, v. 2, 91st Cong. 2d sess.] \* Paper, \$9.00. ● Item 332  
L.C. card 4-18250  
D 102.9: 970/v.2
- 10750 — v. 3, Retired lists, Jan. 1, 1970. 1970. vi+[1]+433 p. 4° [Also issued as H. doc. 250, v. 3, 91st Cong., 2d sess.] \* Paper, \$3.75. ● Item 332  
L.C. card 4-18250  
D 102.9: 970/v.3

## ARMY MEDICAL DEPARTMENT, Defense Dept. Washington, DC 20310

- 10751 Bibliography of U.S. Army Medical Research and Nutrition Laboratory reports and reprints for 1969. [1970.] [7] p. 4° (U.S. Army Medical Research and Nutrition Laboratory, Fitzsimons General Hospital, Denver, Colo.) †  
D 104.17: list/969

GOVERNMENT PUBLICATIONS

ATOMIC ENERGY COMMISSION

Washington, DC 20545

- 10752 Activism, but what kind? class day address by Glenn T. Seaborg, Chairman, Atomic Energy Commission, at Rutgers College, Rutgers, The State University of New Jersey, New Brunswick, N.J., June 3, 1970. 10 leaves, 4° (S-24-70.) † Y 3.At 7 : 34 Se 1/203
- AEC research and development reports. Y 3.At 7 : 22/(letters-nos.)
- 10753 AEC-tr-7145. Radiobiology, v. 9, no. 6, 1969 [articles with bibliographies]. [May 1970.] cover title, [1]+a-d+235 p. ll. 4° (Division of Technical Information.) [Translation of Radiobiologiya, v. 9, no. 6, 795-943, 1969.] † Paper, \$3.00.
- 10754 AEC-tr-7146. Plasma physics and problems of controlled thermonuclear synthesis: High-frequency properties of plasma, Issue no. 3 [articles with bibliographies; B. T. Tolok, editor]. [May 1970.] cover title, 227 p. ll. 4° (Translation series.) [Naukova Dumka, Kiev, 1968.] † Paper, \$3.00.
- 10755 COO 1689-5. Radiation pasteurization of fresh meats and poultry, annual report, Feb. 15, 1968-Feb. 14, 1969 [with list of selected references; prepared by Walter M. Urbain and others]. Mar. 15, 1969. cover title, vi+88 p. ll. 4° (Department of Food Science, Michigan State University, East Lansing, Mich.; [contract AT(11-1)-1689].) † Paper, \$3.00.
- 10756 GEMP-723. Fast breeder reactor control, shield, and reflector materials development, summary report, [by Robert Van Houten]. Feb. 1970. cover title, [1]+94 p. ll. 4° (Nuclear Systems Programs, General Electric Company, Cincinnati, Ohio; [contract AT(40-1)-2847].) † Paper, \$3.00.
- 10757 GEMP-743. Effect of thermal-mechanical treatments on tensile strength of 19-9DL and 12R72HV austenitic stainless steels [with list of references; by C. G. Collins]. June 1970. [2]+29 p. ll. 4Z (Nuclear Systems Programs, General Electric Company, Cincinnati, Ohio; [contract AT(40-1)-2847].) † Paper, \$3.00.
- 10758 GEMP-744. Summary of tube fabrication studies using planetary swager [with list of references; by C. G. Collins]. June 1970. [2]+27 p. ll. 4° (Nuclear Systems Programs, General Electric Company, Cincinnati, Ohio; [contract AT(40-1)-2847].) † Paper, \$3.00.
- 10759 HASL-229. Biological effects of tritium [with list of references; by Helen Q. Woodard]. May 18, 1970. cover title, [2]+49 p. ll. 4° (Sloan-Kettering Institute for Cancer Research, New York, N.Y.) † Paper, \$3.00.
- 10760 NSEC-4023-1. Moessbauer effect spectrometry for analysis of iron compounds [with list of references; by Hubert K. Chow, Robert F. Weise, and Paul Flihn]. Oct. 1969. cover title, x+131 p. ll. 4° (Nuclear Science Division, International Chemical and Nuclear Corporation, Irvine, Calif.; [contract AT(30-1)-4023].) † Paper, \$3.00.
- 10761 NUMEC-3731-20. Radioisotope powered cardiac pacemaker program, component development report: [v. 1, Phase 1, v. 2, Component drawings, v. 3, Fixture drawings]. Mar. 25, 1970. cover title, [221] p. ll. 4° [Prepared under contract AT(30-1)-3731 by Energy Conversion Division, Nuclear Materials Equipment Corporation, Apollo, Pa.] † Paper, \$3.00.
- 10762 RME-4110. Selected bibliography on radioactive occurrences in United States; by S. Victoria Kruslewski. May 1970. 136 p. ll. 4° (Division of Raw Materials.) \* Paper, \$1.25. ● Item 1051-C
- 10763 SAN-549-5. Research and development on single crystal high resistivity cadmium telluride for use as gamma ray spectrometer, interim progress report, Jan. 1-Dec. 31, 1968 [with list of references; by Kenneth R. Zanio]. June 1970. cover title, vi+59 p. ll. 4° (Hughes Research Laboratories, Malibu, Calif.; [contract AT(04-3)-549].) † Paper, \$3.00.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available



AUGUST 1970

- 10764 TID-3319 (supp. 2). Nuclear medicine, bibliography from Nuclear science abstracts, v. 23, June 1970. iv+227+99 p. 4° (Division of Technical Information Extension.)  $\Phi$  Paper, \$3.00.
- 10765 TID-3320. Pulsars, bibliography; [by William D. Matheny]. [May 1970.] cover title, [76] p. 4° (Division of Technical Information.) [Abstracts taken from Nuclear science abstracts.]  $\Phi$  Paper, \$3.00.
- 10766 TID-3557 (1969 supp.). Controlled fusion and plasma research literature search, compiled by Milton O. Whitson, Apr. 1970. [1]+v-vil+355+138 p. 4° (Division of Technical Information.)  $\Phi$  Paper, \$3.00.
- 10767 TID 25312. Study of irradiated-pasteurized fishery products: A, Maximum shelf life study; B, Radiation chemistry, annual report, Oct. 1, 1967-Sept. 30, 1968 [with list of references; by L. J. Ronsivalli and others]. Apr. 1970. cover title, [1]+xviii+154 p. il. 4° (Technological Laboratory, Bureau of Commercial Fisheries, Gloucester, Mass.; [contract AT(49-11)-1889].)  $\Phi$  Paper, \$3.00.
- 10768 TID-25363. Preliminary geologic environmental map of greater Los Angeles area, Calif. (study pertinent to nuclear facility siting and design); by Carl M. Wentworth, Joseph I. Ziony, and Jane M. Buchanan. 1970. cover title. [3]+ii+41 p. il. 1 pl. and 1 tab. in pocket, 4° [Contribution of National Center for Earthquake Research, Geological Survey.]  $\Phi$  Paper, \$3.00.
- 10769 TID-25372. Division of Isotopes Development research and development projects, 1969 [progress reports on sponsored work]. [Feb. 1970.] cover title, x+166 p. il. 4° (Division of Technical Information.) [Includes lists of reports published.]  $\Phi$  Paper, \$3.00.
- 10770 WANL-543-1. <sup>60</sup>Co heat source demonstration program: phase 1, Preliminary analysis and design technical report; [prepared by C. Kim], Jan. 1970. cover title, [290] p. il. 4° (Astronuclear Laboratory, Westinghouse Electric Corporation, Large, Pa.; [AEC contract AT(38-1)-543].)  $\Phi$  Paper, \$3.00.
- 10771 WASH-1061 (supp.). Natural environmental radioactivity, annotated bibliography; [by Alfred W. Klement, jr.]. Apr. 1970. cover title, [1]+i+72 p. 4° (Nevada Operations Office, AEC, Las Vegas, Nev.)  $\Phi$  Paper, \$3.00.
- 10772 Case for balanced viewpoint, remarks by Theos J. Thompson, Commissioner Atomic Energy Commission, at 1st annual VMI Symposium, Military-Industrial Complex, Myth, mainstay or menace, Virginia Military Institute, Lexington, Va., Apr. 10, 1970. 11 leaves, 4° (S-21-70.)  $\dagger$   
Y 3.At 7: 34 T 37/6
- 10773 Energy and future, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission, at Joint Conference of Chemical Institute of Canada and American Chemical Society, Toronto, Canada, May 25, 1970. 1970. 17 leaves, 4° (S-19-70.)  $\dagger$   
Y 3.At 7: 34 Se 1/200
- 10774 Human radiobiology. Mar. 1970. [2]+25-41 p. il. 4° (Division of Biology and Medicine.) [Reprinted from Fundamental nuclear energy research, 1969.] \* Paper, 20c.  
Y 3.At 7: 48 aH 88
- 10775 New alchemy, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission at 98th annual meeting of Manufacturing Chemists Association, White Sulphur Springs, W. Va., June 4, 1970. 1970. 11 leaves, 4° (S-23-70.)  $\dagger$   
Y 3.At 7: 34 Se 1/204
- 10776 Nuclear reactors and public reaction, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission, before Canadian Nuclear Association, Toronto, Canada, May 25, 1970. 1970. 10 leaves 4° (S-18-70.)  $\dagger$   
Y 3.At 7: 34 Se 1/201

$\Phi$ For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

•Sent to Depository Libraries

Page 7

GOVERNMENT PUBLICATIONS

- 10777 [Power technology and the future, remarks by Theos J. Thompson, Commissioner, Atomic Energy Commission, at Briefing Conference for State and Local Government Officials on Nuclear Development, presented by Southern Interstate Nuclear Board and Atomic Energy Commission, Columbia, S.C., May 21, 1970.] May 27, 1970. [1]+20+[5] leaves, il. 4° (S-22-70.) † Y 3.At 7: 34 T 37/5
- 10778 Science and technology rededicated, commencement address by Glenn T. Seaborg, Atomic Energy Commission at Michigan Technological University, Houghton, Mich., June 13, 1970. 1970. 8 leaves, 4° (S-25-70.) † Y 3.At 7: 34 Se 1/205
- 10779 Twenty-five eventful years, entering the nuclear age, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission, at Symposium, 25 eventful years, under joint sponsorship of American Chemical Society and Chemical Institute of Canada, Toronto, Canada, May 26, 1970. 1970. 18 leaves, 4° (S-20-70.) † Y 3.At 7: 34 Se 1/202

AVIATION MEDICINE OFFICE, Transportation Dept.  
Washington, DC 20553

- [Aviation medical report] AM (series).
- 10780 69-13. Experimental comparison of trauma in lateral (+Gy), rearward facing (+Gx), and forward facing (-Gx) body orientations when restrained by lap belt only [with list of references; by] Richard G. Snyder [and others]. July 1969. [5]+21+[2] p. il. 4° \* Paper, \$3.00. TD 4.210: 69-13
- 10781 Directory, aviation medical examiners. June 1970. [7]+295 p. il. †  
● Item 431-E-3 TD 4.211: 970  
L.C. card 64-1727

BUSINESS AND DEFENSE SERVICES ADMINISTRATION, Commerce  
Dept., Washington, DC 20230

- 10782 World motor vehicle production & registration, 1968-69. Mar. 1970. 8 p. 4°  
\* Paper, 10c. ● Item 215-Q C 41.17: 968-69
- 10783 World survey of civil aviation: Canada; [by Jane C. Holleran]. June 1970.  
48 p. \* Paper, 30c. ● Item 215-O C 41.96: C 16/970  
L.C. card 61-60571

CENSUS BUREAU, Commerce Dept.  
Suitland, MD 20233

- Annual survey of manufactures, 1968 M68 (AS) (series). (Industry Division.)
- 10784 1. General statistics for industry groups and industries. [June 1970.] cover title, 28 p. 4° [Preprint of chapter in Annual survey of manufactures, 1968 volume.] † Paper, 25c. ● Item 134-A C 3.24/9: M 68(AS)-1
- 1967 census of business: Retail trade, merchandise line sales BC67-MLS (series). ([Business Division]) C 3.202/19: 967/(nos.)
- 10785 11. Florida. [June 1970.] cover title, v+118 p. il. 4° \* Paper, \$1.00. ● Item 132-A-11
- 10786 13. Hawaii. [July 1970.] cover title, v+51 p. il. 4° \* Paper, 60c. ● Item 132-A-14
- 10787 18. Kansas. [July 1970.] cover title, v+68+[1] p. il. 4° \* Paper, 65c. Item 132-A-19
- 10788 20. Louisiana. [July 1970.] cover title, v+87+[1] p. il. 4° \* Paper, \$1.00. 132-A-21
- 10789 27. Missouri. [July 1970.] cover title, v+85 p. il. 4° \* Paper, \$1.00. ● Item 132-A-28
- 10790 32. New Jersey. July 1970. v+94 p. il. 4° \* Paper, \$1.00. ● Item 132-A-33
- 10791 34. New York. [July 1970.] cover title, v+129 p. il. 4° \* Paper, \$1.25 ● Item 132-A-35
- 10792 35. North Carolina. [July 1970.] v+96 p. il. 4° \* Paper, \$1.00. ● Item 132-A-36
- 10793 43. South Dakota. [July 1970.] cover title, v+53 p. il. 4° \* Paper, 60c. ● Item 132-A-44
- 10794 49. Washington. [June 1970.] cover title, v+76 p. il. 4° \* Paper, 70c. ● Item 132-A-51

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

AUGUST 1970

- 1967 census of manufactures: [Industry series] MC 67(2). ([Industry Division.]) [Reprint from v. 2, Industry statistics.] ● Item 136  
C 3.24/4: 967/(nos.)
- 10795 21A. Tobacco products; [Prepared by Charles H. W. Sedgewick]. [June 1970.]  
v1+13+A4 p. 4° \* Paper, 40c.
- 10796 24B. Millwork, plywood, and prefabricated structural wood products. July 1970.  
v1+24+A4 p. 4° \* Paper, 50c.
- 1967 census of transportation: Commodity transportation survey, area series, TC 67-C2. ([Transportation Division.])
- 10797 39. North Carolina. Apr. 1970. 16 p. ll. 4° † Paper, 25c. C 3.233/2: TC 67-C2-39
- 1967 census of transportation: Commodity transportation survey, commodity groups TC67-C3 (series). ([Transportation Division.]) ● Item 160-D
- 10798 1. Part 1. U.S. summary. [June 1970.] cover title, [3]+197 p. ll. 4° \* Paper, \$1.75. C 3.233/8: TC 67-C3-1
- 10799 Construction reports: Housing completions, C22-(series). [Monthly, Prepared in cooperation with Housing and Urban Development Department.] † Paper, \$1.00 a yr., single copy, 10c. ● Item 140-A (Rev.)  
C 3.215/13: (letters-nos.)
- No. C22-69— May 1970—
- County business patterns, 1969, CBP (series). ([Business Division.]) [Prepared with assistance of Social Security Administration.] ● Item 133-A  
L.C. card 49-45747 C 3.204: (nos.)
- 10800 69-4. Arizona. [June 1970.] cover title, ix+35 p. ll. 4° \* Paper, 55c.
- 10801 69-21. Maine. [June 1970.] cover title, ix+37 p. ll. 4° \* Paper, 55c.
- 10802 69-25. Minnesota. [July 1970.] cover title, ix+96 p. ll. 4° \* Paper, \$1.00.
- 10803 69-30. Nevada. [June 1970.] cover title, ix+22 p. ll. 4° \* Paper, 45c.
- 10804 69-31. New Hampshire. [June 1970.] cover title, ix+32 p. ll. 4° \* Paper, 55c.
- 10805 69-36. North Dakota. [June 1970.] cover title, ix+35 p. ll. 4° \* Paper, 55c.
- 10806 69-38. Oklahoma. [July 1970.] cover title, ix+75 p. ll. 4° \* Paper, \$1.00.
- 10807 69-39. Oregon. [June 1970.] cover title, ix+60 p. ll. 4° \* Paper, 65c.
- 10808 69-41. Rhode Island. [June 1970.] cover title, ix+30 p. ll. 4° \* Paper, 50c.
- 10809 69-46. Utah. [June 1970.] cover title, ix 36 p. ll. 4° \* Paper, 55c.
- 10810 69-47. Vermont. [June 1970.] cover title ix+27 p. ll. 4° \* Paper, 45c.
- 10811 69-49. Washington. [June 1970.] ix+70 p. ll. 4° \* Paper, \$1.00.
- 10812 Current business reports: 1969 retail trade, annual sales, year-end inventories, and accounts receivable of retail stores by kind of business; [by Edward Guthbrod and William Owens]. June 1970. [4]+20 p. ll. 4° (BR-69-13.) \* Paper, \$6.00 (including Weekly retail sales report, Monthly retail trade report and Annual retail trade report); single copy, 25c. ● Item 147-B  
C 3.138/3-2: 969
- Current population reports: Series Census-ERS P-27, Farm population. \* Paper, \$8.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60 and P-65 for one year), \$2.50 additional for foreign mailing; single copy prices vary. ● Item 142-C C 3.186: P-27/(nos.)
- 10813 41. Farm population of United States, 1969. June 18, 1970. 11 p. ll. 4° [Prepared in cooperation with Agriculture Dept.] \* Paper, 15c.
- Current population reports: Series P-20, Population characteristics. \* Paper, \$8.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60 and P-65 for one year), \$2.50 additional for foreign mailing; single copy prices vary. ● Item 142-C C 3.186: P-20/(nos.)
- 10814 199. School enrollment in the United States, 1969 advance data, Oct. 1969 survey. Apr. 22, 1970. 2 p. 4° \* Paper, 5c.
- 10815 202. Labor union membership in 1966, advance report based on data from 1967 Survey of Economic Opportunity. June 18, 1970. 7 p. 4° \* Paper, 10c.
- 10816 203. Fertility of population, Jan. 1969. July 6, 1970. ii+15 p. ll. 4° \* Paper, 15c.
- 10817 204. Selected characteristics of persons and families, Mar. 1970, income, poverty, education, mobility, family and household composition. July 13, 1970. ii+14 p. 4° \* Paper, 15c.
- Current population reports: Series P-25. Population estimates and projections. \* Paper, \$8.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60 and P-65 for one year) \$2.50, additional for foreign mailing; single copy prices vary. ● Item 142-C  
C 3.186: P-25/(nos.)
- 10818 441. Estimates of population of United States, by age, race, and sex, July 1, 1967-July 1, 1969. Errata sheet. May 6, 1970. 1 p. 4° †

GOVERNMENT PUBLICATIONS

Current population reports Series P-25—Continued

- 10819 444. Estimates of population of United States to Mar. 1, 1970. Apr. 22, 1970. 2 p. 4° \* Paper, 5c.  
 10820 445. Estimates of population of United States to Apr. 1, 1970. May 20, 1970. 2 p. 4° \* Paper, 5c.

Current population reports: Series P-60, Consumer income. \* Paper, \$8.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60, and P-65 for one year), \$2.50 additional for foreign mailing; single copy, prices vary. ● Item 142-C C 3.186: P-60/(nos.)

- 10821 70. Average family income up 9 percent in 1969 (advance data from Mar. 1970 sample survey). July 16, 1970. 7 p. 4° \* Paper, 10c.  
 10822 71. Poverty continues to decline in 1969 (advance data from Mar. 1970 Current Population Survey). July 16, 1970. 8 p. 4° \* Paper, 10c.

Current population reports: Series P-65, Consumer buying indicators. \* Paper, \$8.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60, and P-65 for one year), \$2.50 additional for foreign mailing; single copy prices vary. ● Item 142-C C 3.186: P-65/(nos.)

- 10823 31. Recent purchases of cars, houses, and other durables and expectations to buy during months ahead, survey data through Apr. 1970, including annual purchase data, 1967-69. June 12, 1970. ii+22 p. il. 4° \* Paper, 20c.

Data access description: Census tabulations available on computer tape series CT-. [Intended as introductions to means of access to Census Bureau data for persons with data requirements not fully met by printed reports. Issued with perforations.]

- 10824 1. General information about summary tapes. June 1970. 6 p. 4° (DAD 18.) †  
 ● Item 142-D C 3.240/3: 1/2

— Collection, evaluation, and processing series CEP. [Intended as introductions to means of access to Census Bureau data for persons with data requirements not fully met by printed reports.]

- 10825 4. Printed reports from 1970 census of population and housing. May 1970. 14 p. 4° † ● Item 142-D C 3.240/5: 4

Demographic reports for foreign countries, P-96 (series).

- 10826 2. Population of Panama, estimates and projections, 1961-2001; Carolyn D. Yandle and Jeffrey W. Stone. July 1970. [3]+73 p. il. 4° ([Population Division.] [Prepared under participating agency service agreement with Office of Population, Agency for International Development.]) \* Paper, \$1.25. ● Item 142-C  
 L.C. card 71-607347 C 3.205/5: 2

Enterprise statistics, 1963, Series ES3, no. 3. [Prepared under direction of Robert P. Parker, Coordinator, Enterprise Statistics, Economic Research and Analysis Division.]

- 10827 pt. 3. Link of census establishment and IRS corporation data. [Apr. 1970.] iv +467 p. 4° [Based on 1963 censuses of business, manufactures, and mineral industries and Internal Revenue Service Statistics of income. . . 1963.] \* Paper, \$3.50. ● Item 142-B  
 L.C. card A68-7228 C 3.230: 963/3

- 10828 Final industry reports, publications order form, 1967 census of construction industries [CC 67-1(1A-24)]. [June 1970.] [2] p. oblong 12°, folded into narrow 12° size. ([Form BC-2163.]) † C 3.245/2: 967/2

Government finances, GF 69 (series).

- 10829 3. State government finances in 1969. June 1970. [3]+59 p. il. 4° ([Government Division.]) \* Paper, 60c. ● Item 146-E  
 L.C. card 16-26796 C 3.191/2: 969/3

- 10830 Publications order form, 1970 census of population and housing, preliminary reports. [May 1970.] [2] p. oblong 8°, folded into narrow 8° size. ([BC-2200.]) † C 3.223/3: 970

- 10831 U.S. exports, schedule B, commodity groupings, world area, country, and method of transportation [revised through Dec. 1969 statistics]. [June 1970.] cover title xiv+361 p. 4° (FT 450, 1969 annual.) \* Paper, \$2.75.  
 ● Item 144  
 L.C. card 68-62862 C 3.164: 450/969

\*For Sale by Superintendent of Documents  
 †Distribution Made by Issuing Office  
 ‡Official Use. Not Available

August 1970

- 10832 U.S. exports, world area, country, schedule B commodity groupings, and method of transportation [Revised through Dec. 1969 statistics]. [June 1970.] cover title, xiv+641 p. 4° ([Foreign trade report] FT 455, 1969 annual.) \* Paper, \$5.50. ● Item 144  
L.C. card 68-62860 C 3.164: 455/969
- 10833 U.S. general imports, schedule A, commodity groupings, world area, country, and method of transportation. [June 1970.] cover title, x+320 p. 4° (FT 150/1969 annual, [Foreign Trade Division].) [Revised through Dec. 1969 statistics.] \* Paper, \$2.50 ● Item 144  
L.C. card 79-4381 C 3.164: 150/969
- 10834 U.S. imports for consumption and general imports [standard industrial classification] SIC-based products and area. [June 1970.] ix+304 p. 4° (FT 210, 1969 annual. [Foreign Trade Division].) [Revised through Dec. 1969 statistics.] \* Paper, \$2.25. ● Item 144  
L.C. card A66-7381 C 3.164: 210/969
- 10835 U.S. imports for consumption and general imports, TSUSA [tariff schedules of United States annotated commodity and country, 1969 annual. [May 1970.] vi+580 p. 4° ([Foreign trade report FT 246]; [Foreign Trade Division].) [Revised through Dec. 1969 statistics.] \* Paper, \$4.00. ● Item 144  
L.C. card A65-7952 C 3.164: 246/969

**CHILD DEVELOPMENT OFFICE, Health, Education, and Welfare Dept.**  
Washington, DC 20201

- 10836 Head Start, child development program. [1970.] cover title, 16 p. il. 4° ([Project Head Start.]) † ● Item 445-L HE 21.202: H 34

**CIVIL AERONAUTICS BOARD**  
Washington, DC 20428

- 10837 Handbook of airline statistics, data for individual carriers, 1959-68, data for carriers groups, 1926-68, 1969 edition. [1970.] [1]+ix+[1]+544 p. il. oblong large 8° (Costs and Statistics Division, Bureau of Accounts and Statistics.) \* Paper, \$8.00. ● Item 183-A C 31.249: 969  
L.C. card 44-40873

Special regulations.

- 10838 378. Inclusive tours by supplemental air carriers, certain foreign air carriers, and tour operators. [1969.] 4 p. 4° [Issued as SPR-23 and incorporates all amendments which were in effect on May 15, 1968.] \* Paper, 10c. C 31.206/8: 378/3

**CIVIL DEFENSE OFFICE (Army), Defense Dept.**  
Washington, DC 20310

- 10839 Federal civil defense guide: pt. E, chap. 3, app. 3, Electromagnetic pulse (EMP) and emergency communications. May 1970. 4 p. 4° [Issued in looseleaf form.] † ● Item 320-B-3 D 119.8/4: pt.E/chap.3/app.3
- 10840 — pt. F, chap. 2, app. 2, OCD career development program for local civil defense directors/coordinators. Apr. 1970. 4 p. 4° [Issued in looseleaf form.] † ● Item 320-B-3 D 119.8/4: pt.F/chap.2/app.2
- FG (series). † ● Item 320-B-3 D 119.8/3: (letters-nos.)
- 10841 E-4.1. Basic emergency broadcast system plan, 1st revision, effective Aug. 4, 1967, Change 2. Apr. 1970. [25] p. 4° [Prepared in cooperation with Federal Communications Commission and Office of Emergency Planning. Issued with perforations.]
- 10842 F-1.2. National directory of qualified fallout shelter analysts. Dec. 1969 [published 1970]. viii+592 p. [Supersedes FG-F-1.2, Dec. 1967, and supp. 1, June 1968.]  
L.C. card 62-61084

[Leaflet] L (series).

- 10843 70. Jewish War Veterans and civil defense. May 1970. [2] p. il. 4° folded into oblong 48° size. † ● Item 857-D-5 D 119.13: 70

♠For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 11

GOVERNMENT PUBLICATIONS

CIVIL SERVICE COMMISSION

Washington, DC 20415

- 10844 Amendment to announcement 235-B, Radio broadcast technician. June 15, 1970. 1 p. oblong 48° † CS 1.26: 960/235 B/rev./amdt.-3
- 10845 Amendment to announcement 283-B, transmitter and receiver operator and maintenance technician. June 15, 1970. 1 p. oblong 48° † CS 1.26: 962/283 B/rev.-2/amdt.-2
- 10846 Best opportunities for Federal employment, AN 2280 [issue 144], July-Aug. 1970. [1970.] [2] p. oblong f°, folded into narrow 8° size. † ● Item 292 CS 1.28: 2280/144
- 10847 Current Federal civil service announcements, AN-2279, issue 196, July-Aug. 1970. [1970.] [2] p. f° folded into narrow 8° size. † ● Item 292 CS 1.28: 2279/196

Pamphlet.

- 10848 T-12. Programmed instruction: Brief of its development and current status [with bibliography]. May 1970. [3]+52 p. il. 4° (Bureau of Training.) ([Training systems and technology series no. 3]; Bureau of Training, Training Systems and Technology Division.) \* Paper, 55c. ● Item 289 CS 1.48: T-12
- 10849 Union recognition in Federal Government, statistical report and listings by agency of formal and exclusive recognitions and agreements under executive order 10988 as of November 1969. [1970.] 410 p. oblong 12° (Office of Labor-Management Relations.) \* Paper, \$3.25. ● Item 295 L.C. card 79-608074 CS 1.2: Un 3/2/969

COAL RESEARCH OFFICE, Interior Dept.

Washington, DC 20240

- Research and development reports. ● Item 606-C-2 I 63.10: (nos.)
- 10850 45. 1970 final report consol synthetic fuel process; [prepared by Ralph M. Parsons Company, Los Angeles, Calif.]. [1970.] cover title, [3]+16 p. 4° (Contract 14-01-0001-255.) \* Paper, 80c.
- 10851 56. Char oil energy development, interim report 1, Sept. 1966-Feb. 1970, process development unit results and commercial analyses [with bibliographies]; by F M C Corporation, Chemical Research and Development Center, Princeton, N.J. [1970.] cover title, [305] p. il. 4° (Contract 14-01-0001-498.) \* Paper, \$2.50.
- 10852 58. MHD system with dual pressure melt gasification and CO<sub>2</sub> recycle [with list of references]; prepared by Westinghouse Research & Development Center, Pittsburgh, PA. [1970.] [56] p. il. 4° (Contract 14-01-0001-1199.) \* Paper, 55c.

COAST AND GEODETIC SURVEY, Commerce Dept.

Washington, DC 20230

- 10853 Tide tables, high and low water predictions, 1971: Europe and west coast of Africa, including Mediterranean Sea. 1970. 209 p. il. [Index map of tide table coverage on p. 2 of cover. Includes list of publications relating to tides and tidal currents.] † Paper, \$2.00. ● Item 198 L.C. card 50-60825 C 4.15/7: 971

COAST GUARD, Transportation Dept.

Washington, DC 20591

- 10854 Chemical data guide for bulk shipment by water, amendment 1. May 1, 1970. [7] p. (CG-388.) [Issued in looseleaf form.] \* Paper, 10c. ● Item 934-A TD 5.8: C 42/amdt.1
- 10855 Coast Guard register of reserve officers; Jan. 1, 1970. [1970.] cover title, iv+207 p. 4° (CG-238.) † ● Item 942 TD 5.19/2: 970 L.C. card 68-61808

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 10856 National search and rescue manual, amdt. 6. Apr. 8, 1970. [88] p. il. 4°  
 ([Army Dept.] FM20-150 Ch-6; [Navy Dept.] NWP 37(A) Am-6; [Air  
 Force Dept.] AFM 64-2 Am-6; CG 308 Am-6.) [Issued with perfora-  
 tions. Accompanied by letter of transmittal, 4 p., dated Apr. 8, 1970.]  
 \* Paper, 75c. ● Item 934-A  
 L.C. card 59-64270 TD 5.8: Se 1/amdt.6

Oceanographic report.

- 10857 33. Distribution of nutrients in Weddell Sea, Feb.-Mar. 1968—Feb.-Mar. 1969  
 ([IWSOE] [with list of references; by] Gary L. Hufford [and] Edward J.  
 Tennyson, Jr. Apr. 1970. vi+106 p. il. 4° (CG 373-33; [Coast Guard  
 Oceanographic Unit].) [Text on p. 2 of cover.] † ● Item 940-B  
 TD 5.18: 33
- 10858 Start a career in Coast Guard. [1970.] [6] p. il. narrow 8° ([PTP-423  
 (12-69).]) [Illustrations are colored.] † ● Item 934 TD 5.2: C 18
- 10859 United States Coast Guard Academy cadet profile. [1970.] [2] p. narrow f°,  
 folded into narrow 8° size. † ● Item 982-F-1 TD 5.15: 970
- 10860 United States Coast Guard Academy, New London, Conn., bulletin of in-  
 formation 1970/71. [1970.] cover title, 95 p. il. [Text on p. 2-3 of cover.]  
 † ● Item 934 TD 5.2: C 63/2/970-71
- 10861 Your son and Coast Guard. [1970.] [8] p. il. ([PTP-418 (3-70).]) [Illustra-  
 tions are colored.] † ● Item 934 TD 5.2: So 5

COMMERCE DEPARTMENT  
 Washington, DC 20230

NOTE.—Requests to the Commerce Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers which should be used only when ordering from the Superintendent of Documents.

- 10862 Address by Maurice H. Stans, Secretary of Commerce, before American  
 Management Association annual financial conference, New York, N.Y.,  
 May 27, 1970. 1970. 17 p. 4° † C 1.18: St 2/41
- 10863 Address by Maurice H. Stans, Secretary of Commerce, before General Ac-  
 counting Office Awards Ceremony, Washington, D.C., June 11, 1970.  
 1970. 8 p. 4° † C 1.18: St 2/43
- 10864 Address by Maurice H. Stans, Secretary of Commerce before Grocery  
 Manufacturers of America Executive Conference, White Sulphur  
 Springs, W. Va., June 15, 1970. 1970. 12 p. 4° † C 1.18: St 2/44
- 10865 Address by Maurice H. Stans, Secretary of Commerce before Washington  
 Conference for International Investment Managers of Council of U.S.  
 Investment Community, Department of Housing and Urban Develop-  
 ment, Washington, D.C., May 19, 1970. [1]+12 p. 4° † C 1.18: St 2/39
- 10866 Address by Maurice H. Stans, Secretary of Commerce, before Washington  
 Diplomatic Conference on Patent Cooperation Treaty, 1970, Washington,  
 D.C., May 25, 1970. 1970. 9 p. 4° † C 1.18: St 2/40
- 10867 Address delivered by Rocco C. Siciliano, Under Secretary of Commerce,  
 at University of Nevada, Reno, Nev., June 15, 1970. 1970. 10 p. 4° †  
 C 1.18: St 12/6
- 10868 Economic outlook at mid-1970, address by Harold C. Passer, Assistant  
 Secretary of Commerce for Economic Affairs, prepared for delivery  
 to Association of American Railroads, New Orleans, La., May 26,  
 1970. 1970. 10 p. 4° † C 1.18: P 26/11
- 10869 Half-truths can make us slaves, address by Assistant Secretary of Com-  
 merce for Science and Technology, Myron Tribus, prepared for delivery  
 at Georgia Institute of Technology, Atlanta, Ga., June 13, 1970. 1970.  
 12 p. 4° † C 1.18: T 13/14

♣For Sale by Clearinghouse, U.S. Department of  
 Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 10870 Innovation in measurement, address by Assistant Secretary of Commerce for Science and Technology, Myron Tribus, prepared for delivery at National Conference of Standards Laboratories, Gaithersburg, Md., June 16, 1970. 1970. 6 p. 4° † C 1.18: T 73/13
- 10871 Orderly revolution, address by Assistant Secretary of Commerce for Science and Technology, Myron Tribus, delivered before 14th annual convention of Construction Specifications Institute, Washington, D.C., June 8, 1970. [1970.] 19 p. 4° † C 1.18: T 73/15
- Overseas business reports OBR (series). [Issued Irregularly.] \* Paper, \$16.00 a yr., \$5.00 additional for foreign mailing; single copy, 15c. (1-3 yr. subs.). ● Item 231-B C 1.50:(nos.)
- 10872 70-10. Selling in Greece [with bibliography]; prepared in European Division, Office of International Regional Economics, revised by W. O. Sugg. Apr. 1970. 8 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 66-88.]
- 10873 70-14. Foreign trade regulations of Pakistan; prepared by Kathleen Kelm. May 1970. 10 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 68-16.] L.C. card 66-97329
- 10874 70-15. Foreign trade regulations of Trinidad and Tobago; prepared by Enoch W. Skartvedt. Feb. 1970. 5+[2] p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 65-33.]
- 10875 70-18. Foreign trade regulations of Chile; prepared by Elliot Werner. May 1970. 8 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 67-69.]
- 10876 70-19. Selling in India, government procurement procedures; prepared by Susan Maclay. May 1970. 14 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 64-134.]
- 10877 70-20. Foreign trade regulations of Canada [with bibliography]; prepared by David Fellman. June 1970. 22 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 69-10.] L.C. card 66-97329
- 10878 70-23. Establishing a business in Iran [with bibliography]; prepared by John M. Perry. June 1970. 20 p. 4° (Bureau of International Commerce.) [Issued with perforations. Supersedes OBR 67-47.]
- 10879 70-28. United States foreign trade by quarters, Jan.-Mar. 1968 [through] Jan.-Mar. 1970. June 1970. 28 p. il. 4° (International Commerce Bureau.) [Issued with perforations.]
- 10880 Remarks by Maurice H. Stans, Secretary of Commerce, before Cannolene Company dedication ceremony, Atlanta, Ga., June 9, 1970. 1970. 8 p. 4° † C 1.18: St 2/42
- 10881 Remarks prepared for delivery by Rocco C. Siciliano, Under Secretary of Commerce, before Marine Technology Society, Washington, D.C., June 30, 1970. 1970. 16 p. 4° † C 1.18: Si 12/17

COMMERCIAL FISHERIES BUREAU, Interior Dept.  
Washington, DC 20240

- C.F.S. (series). † I 49.8/2:(nos.)
- 10882 4653. Georgia landings, 1967, annual summary. [Oct. 1968.] 6 p. il. 4° [Prepared in cooperation with Georgia State Game and Fish Commission, Atlanta, Ga.]
- 10883 4675. Texas landings, 1967, annual summary. [Oct. 1968.] 8 p. il. 4° [Prepared in cooperation with Texas Park and Wildlife Department, Austin, Tex.]
- 10884 4842. Washington landings, 1967, annual summary. [Mar. 1969.] 2 p. il. 4° [Prepared in cooperation with Washington State, Department of Fisheries, Seattle, Wash.]
- 10885 5248. Hawaii fisheries, 1968, annual summary. [Apr. 1970.] 4 p. il. 4° [Prepared in cooperation with Hawaii Department of Land and Natural Resources, Division of Fish and Game, Honolulu, Hawaii.] ● Item 610-A
- 10886 5252. Maine landings, 1969, annual summary. [1970.] 21 p. il. 4° [Prepared in cooperation with Maine Department of Sea and Shore Fisheries, Augusta, Maine.] ● Item 610-A
- 10887 5257. Rhode Island landings, 1969, annual summary; [by William J. Murphy]. [May 1970.] 8 p. il. 4° [Prepared in cooperation with Rhode Island Department of Natural Resources, Division of Conservation, Providence, R.I.] ● Item 610-A
- Circular.
- 10888 338. Bureau of Commercial Fisheries Biological Laboratory, Auke Bay, Alaska. [June 1970.] [8] p. il. narrow 8° † ● Item 609 I 49.4: 338

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available



## AUGUST 1970

Commercial fisheries review, separate. † I 49.10/a:(nos.)

- 10889 780. Surf clam fishery [with list of literature cited;] by Thomas M. Groutage and Allen M. Baker. [1970.] p. 55-58, 1 tab. il. 4° [From Feb. 1967 issue.]
- 10890 858. Fishery oceanography: 5. Ocean circulation and distribution of sockeye salmon; [by] Felix Favorite. [1970.] p. 35-39 il. 4° [From Dec. 1969 issue.]
- 10891 868. Surface tuna schools located & fished in equatorial eastern Pacific [with literature cited; by] Thomas S. Hida. [1970.] p. 34-37 il. 4° [From v. 32, no. 4.]
- 10892 869. Night lighting for herring, old technique may have new possibilities [by] Alden P. Stickney. [1970.] p. 38-40 il. 4° [From v. 32, no. 4.]

SL [statistical list] (series). † I 49.42:(nos.)

- 10893 24. Wholesale dealers in fishery products, Minnesota, 1968 (Great Lakes area). Revised [edition]. Mar. 1970. 1 p. 4°
- 10894 29. Wholesale dealers in fishery products, Ohio, 1968 (Great Lakes area). Revised [edition]. [Apr. 1970.] 2 p. 4°
- 10895 38. Wholesale dealers in fishery products, Missouri, 1968 (Mississippi River and tributaries). Revised [edition]. [Mar. 1970.] 2 p.

Special scientific reports: Fisheries. ● Item 614-B I 49.15/2:(nos.)

- 10896 595. Size, seasonal abundance, and length-weight relation of some scombrid fishes from southeast Florida [with list of literature cited; by] Grant L. Beardsley, jr. and William J. Richards. May 1970. iii+6 p. il. 4° (Contribution 148, Bureau of Commercial Fisheries Tropical Atlantic Biological Laboratory, Miami, Fla.) †
- 10897 602. Biological characteristics of intertidal and fresh-water spawning pink salmon at Olsen Creek, Prince William Sound, Alaska, 1962-63 [with list of literature cited; by] John H. Helle. May 1970. iii+19 p. il. 4° †

### COMMUNITY RELATIONS SERVICE, Justice Dept. Washington, DC 20004

- 10898 Guidelines for effective human relations commissions: Organization, membership, budget, staff, goals, programs. 1970. cover title, 23 p. narrow 8° [Text on p. 2 of cover.] † ● Item 208-A-2 J 23.8: H 88/2

### CONGRESS

Congressional record, proceedings and debates of 91st Congress, 1st session, v. 115. [Permanent edition.] 1969. ● Item 993

L.C. card 12-36438 X.91/1: 115/pt.(nos.)

NOTE.—In the permanent bound edition, the paging differs from that of the daily numbers, the text being revised, rearranged, and printed without break.

- 10899 pt. 9. May 5-14, 1969. [1]+11209-12644 p. 4° \* Cloth, \$6.75.
- 10900 pt. 12. June 10-19, 1969. [1]+15265-16710 p. 4° \* Cloth, \$6.75.
- 10901 pt. 14. July 2-14, 1969. [1]+18185-19496 p. 4° \* Cloth, \$6.25.
- 10902 United States Code, 1964 edition, supp. 5, containing general and permanent laws of United States, enacted during 89th and 90th Congresses and 91st Congress, 1st sess., Jan. 4, 1965-Jan. 18, 1970; prepared by Committee on Judiciary of House of Representatives.
- v. 2. Title 22, Foreign relations and intercourse, to title 43, Public lands. 1970. xxvi+1567-3405 p. large 8° \* Cloth, \$14.50. ● Item 991  
L.C. card 65-61024 Y 4.J 89/1: Un 3/3/964/supp 5/v.2

### Congressional serial set

NOTE.—During each session of Congress the House and Senate documents and reports are accumulated into bound volumes comprising the Congressional serial set. No catalog entry is made for the volumes of the Serial set since the documents and reports contained therein have been previously listed in the Monthly catalog. The following bound volumes were sent to depository libraries during the period of this catalog:

#### 10903 House documents:

- nos. 50, 147, 161, 179, 90th Congress, 1st session, House miscellaneous documents II [Serial 12765-2]. ● Item 995-G
- no. 163, 90th Congress, 1st session, Oahe unit, Interior Department report [Serial 12769]. ● Item 995-G
- no. 277, 91st Congress, 2d session, 70th Convention, 1969, Veterans of Foreign Wars of U.S. [Serial 12889-4]. ● Item 995-L

♣For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 15

## GOVERNMENT PUBLICATIONS

### 10904 House reports:

- nos. 35-704, with exceptions, 90th Congress, 1st session, House miscellaneous reports on private bills I [Serial 12754-1]. ● Item 1007-B  
 nos. 753-1028, with exceptions, 90th Congress, 1st session, House miscellaneous reports on private bills II [Serial 12754-2]. ● Item 1007-B  
 no. 1162, 91st Congress, 2d session, Preselected winners sweepstakes promotions [Serial 12886-4]. ● Item 1007-A

### 10905 Senate reports:

- nos. 467-570, with exceptions, 90th Congress, 1st session, Senate miscellaneous reports on public bills III [Serial 12750-3]. ● Item 1007-A

### Laws

NOTE.—The Federal laws are first published separately and in this form are known as "slip laws". Later, these laws are compiled, edited, indexed, and published in the volumes of the Statutes at large.

#### Public laws, 91st Congress. ● Item 575

NOTE.—Public laws in slip form in the first prints may be obtained from the Superintendent of Documents, Washington, DC 20402, at a subscription price of \$20.00 per session, \$5.00 additional for foreign mailing; single copies vary in price.

- 10906 242. H.R. 13106, act to extend for 4 years period of time during which certain requirements shall continue to apply with respect to applications for license for activity which may affect resources of Hudson Riverway, and for other purposes. Approved May 9, 1970. 1 p. \* Paper, 5c.
- 10907 246. S. 3544, act to amend Arms control and disarmament act in order to extend authorization for appropriations. Approved May 12, 1970. 1 p. \* Paper, 5c.
- 10908 247. H.R. 15945, act to authorize appropriations for certain maritime programs of Department of Commerce. Approved May 13, 1970. 1 p. \* Paper, 5c.
- 10909 248. H.R. 515, act to amend National school lunch act and Child nutrition act of 1966 to clarify responsibilities related to providing free and reduced-price meals and preventing discrimination against children, to revise program matching requirements to strengthen nutrition training and education benefits of programs, and otherwise to strengthen food service programs for children in schools and service institutions. [Approved May 14, 1970.] 7 p. \* Paper, 10c.
- 10910 249. H.R. 1049, act to amend Anadromous fish conservation act of Oct. 30, 1965, relating to conservation and enhancement of Nation's anadromous fishing resources, to encourage certain joint research and development projects, and for other purposes. Approved May 14, 1970. 1 p. \* Paper, 5c.
- 10911 250. H.R. 12605, act to amend sec. 613 of Merchant marine act, 1936, as amended. [Approved May 14, 1970.] 2 p. \* Paper, 5c.
- 10912 251. S. 3007, act to authorize transfer of Brown unit of Fort Belknap Indian irrigation project on Fort Belknap Indian Reservation, Mont., to land-owners within unit. Approved May 14, 1970. 1 p. \* Paper, 5c.
- 10913 252. H.R. 1187, act to amend act of Aug. 7, 1961, providing for establishment of Cape Cod National Seashore. Approved May 14, 1970. 1 p. \* Paper, 5c.
- 10914 253. S. 2452, act to amend sec. 211 of Public Health Service act to equalize retirement benefits for commissioned officers of Public Health Service with retirement benefits provided for other officers in uniformed services. Approved May 14, 1970. 1 p. \* Paper, 5c.
- 10915 254. S. 3435, act to provide for striking of medals in commemoration of completion of carvings on Stone Mountain, Ga., depicting heroes of Confederacy. Approved May 14, 1970. 1 p. \* Paper, 5c.
- 10916 255. S.J. Res. 193, joint resolution to provide for appointment of James Edwin Webb as citizen regent of Board of Regents of Smithsonian Institution. Approved May 13, 1970. 1 p. \* Paper, 5c.
- 10917 256. H.R. 12673, act to authorize transfer by licensed blood banks in District of Columbia of blood components within District of Columbia. Approved May 13, 1970. 1 p. \* Paper, 5c.
- 10918 258. H.R. 14465, act to provide for expansion and improvement of Nation's airport and airway system for imposition of airport and airway user charges and for other purposes. [Approved May 21, 1970.] 36 p. \* Paper, 20c.
- 10919 259. H.R. 9477, act to provide for disposition of judgement funds of Confederate Tribes of Umatilla Indian Reservation. [Approved May 21, 1970.] 2 p. \* Paper, 5c.
- 10920 260. S.J. Res. 199, joint resolution to further amend Elementary and secondary education act. Approved May 21, 1970. 1 p. \* Paper, 5c.
- 10921 261. H.R. 15694, act to authorize appropriations for procurement of vessels and aircraft and construction of shore and offshore establishments for Coast Guard. [Approved May 21, 1970.] 2 p. \* Paper, 5c.
- 10922 262. H.R. 10106, act to amend title 38, United States Code, to revise definition of term "child" to recognize adopted child of veteran as dependent from date of issuance of interlocutory decree, to increase rates of dependency and indemnity compensation payable to dependent children of deceased veterans, and for other purposes. Approved May 21, 1970. 1 p. \* Paper, 5c.
- 10923 263. H.R. 15980, act to make certain revisions in retirement benefits of District of Columbia public school teachers and other educational employees, and for other purposes. [Approved May 22, 1970.] 4 p. \* Paper, 10c.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

## AUGUST 1970

- 10924 264. H.R. 4869, act to further economic advancement and general welfare of Hopi Indian Tribe of Arizona. [Approved May 22, 1970.] 2 p. \* Paper, 5c.
- 10925 265. H.R. 10105, act to amend National traffic and motor vehicle safety act of 1966 to authorize appropriations for fiscal years 1970, 1971, and 1972, and for other purposes. [Approved May 22, 1970.] 3 p. \* Paper, 10c.
- 10926 266. S. 1458, act to prohibit business of debt adjusting in District of Columbia except as incident to lawful practice of law or as activity engaged in by nonprofit corporation or association. Approved May 22, 1970. 1 p. \* Paper, 5c.
- 10927 267. S. 3778, act to change name of Kaysinger Bluff Dam and Reservoir, Osage River Basin, Mo., to Harry S. Truman Dam and Reservoir, Mo. Approved May 26, 1970. 1 p. \* Paper, 5c.
- 10928 268. S. 2099, act to authorize, in District of Columbia, gift of all or part of human body after death for specified purposes. [Approved May 26, 1970.] 6 p. \* Paper, 10c.
- 10929 269. S. 856, act to provide for Federal Government recognition of and participation in international expositions proposed to be held in United States, and for other purposes. [Approved May 27, 1970.] 3 p. \* Paper, 10c.
- 10930 270. H.R. 780, act to authorize Secretary of Interior to construct, operate, and maintain Merlin division, Rogue River Basin project, Oregon, and for other purposes. [Approved May 28, 1970.] 2 p. \* Paper, 5c.
- 10931 271. S. 2624, Act to improve judicial machinery in customs courts by amending statutory provisions relating to judicial actions and administrative proceedings in customs matters, and for other purposes. [Approved June 2, 1970.] 20 p. †
- 10932 272. S. 952, act to provide for appointment of additional district judges, and for other purposes. [Approved June 2, 1970.] 6 p. \* Paper, 10c.
- 10933 273. S. 3818, act to authorize appropriations to Atomic Energy Commission in accordance with sec. 261 of Atomic energy act of 1954, as amended, and for other purposes. [Approved June 2, 1970.] 3 p. \* Paper, 10c.
- 10934 274. H.R. 11372, act to amend act entitled act to authorize partition or sale of inherited interests in allotted lands in Tulalip Reservation, Wash., and for other purposes, approved June 18, 1956 (70 Stat. 290). [Approved June 2, 1970.] 2 p. \* Paper, 5c.
- 10935 275. H.R. 12878, act to amend act of Aug. 9, 1955, to authorize longer term leases of Indian lands at Yavapai-Prescott Community Reservation in Arizona. Approved June 2, 1970. 1 p. \* Paper, 5c.

### ECONOMIC JOINT COMMITTEE Washington, DC 20510

Economic analysis and efficiency of Government, hearings before Subcommittee on Economy in Government, 91st Congress, 2d session.

- 10936 pt. 4. Supersonic transport development, May 7-12, 1970. 1970. iii+889-1030 p. \* Paper, 60c. ● Item 1000  
L.C. card 72-605885 Y 4.Ec 7: Ec 7/23/pt.4

1970 economic report of the President, hearings, 91st Congress, 2d session.

- 10937 pt. 3. Invited comments. 1970. iii+483-677 p. ii. \* Paper, 70c. ● Item 1000  
L.C. card 47-32975 Y 4.Ec 7: Ec 7/2/970/pt.3

Foreign economic policy for 1970's, hearings before Subcommittee on Foreign Economic Policy, 91st Congress, 2d session.

- 10938 pt. 2. Trade policy toward developed countries, Mar. 16-19, 1970. 1970. iv+161-455 p. \* Paper, \$1.25. ● Item 1000  
L.C. card 78-606113 Y 4.Ec 7: F 76/3/970/pt.2

- 10939 Thrift institution development in Latin America, staff study, prepared [by Ellen O. Wasfil], for use of Subcommittee on Inter-American Economic Relationships; June 4, 1970. 1970. vi+92 p. (Joint committee print, 91st Congress, 2d session.) \* Paper, 40c.

L.C. card 74-608097 Y 4.Ec 7: L 34/5

### HOUSE OF REPRESENTATIVES Washington, DC 20515

#### House documents

NOTE.—All House documents, entries for which are followed by a †, may be obtained from the House Document Room or from the issuing office.

House documents, 91st Congress.

- 10940 228, pt. 2. Statistical appendix to Annual report of Secretary of Treasury on state of finances, fiscal year 1969. [1970.] vi+322 p. \* (Available in department edition, \$1.50, T 1.1: 969/app., and sent to depositories in that form. See Entry no. 11926.)

☛For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 17

## GOVERNMENT PUBLICATIONS

### House documents, 91st Congress—Continued

- 10941 245. Register of commissioned and warrant officers of Navy and Marine Corps and reserve officers on active duty, Jan. 1, 1970: pt. 1, Navy and Naval Reserve; pt. 2, Marine Corps and Marine Corps Reserve. [1970.] cover title, [1568] p. 4° (NAVPERS 15,018.) \* (Available in departmental edition, \$11.25, D 208.12: 970, and sent to depositories in that form. See Entry no. 11816.)
- 10942 250, v. 1. U.S. Army register: v. 1, Regular Army active list, Jan. 1, 1970. 1970. xiii+[3]+476 p. 4° \* (Available in department edition, \$4.25, D 102.9:970v. 1 and sent to depositories in that form. See Entry no. 10748.)
- 10943 250, v. 2. U.S. Army register: v. 2, Army, NGUS, USAR, and other active lists, Jan. 1, 1970. 1970. xiii+[3]+1195 p. 4° \* (Available in departmental edition, \$9.00, D 102.9:970/v. 2 and sent to depositories in that form. See Entry no. 10749.) 91-2:H.doc.
- 10944 250, v. 3. U.S. Army register: v. 3, Retired lists, Jan. 1, 1970. 1970. vi+[1]+433 p. 4° \* (Available in departmental edition, \$3.75, D 102.9:970/v. 3, and sent to depositories in that form. See Entry no. 10750.)
- 10945 297. 1970 annual report of Board of Trustees of Federal Supplementary Medical Insurance Trust Fund, letter transmitting 1970 annual report; Apr. 2, 1970. 1970. v+32 p. † ● Item 996
- 10946 332. Blue River vicinity of Kansas City, Mo. and Kan., letter from chief of engineers, Army, submitting report; May 4, 1970. 1970. [Issued also in departmental edition, D 103.22:B 62, and sent to depositories in that form. See Entry no. 11248.] †
- 10947 335. Mobile Harbor, Ala. (Theodore Ship Channel), letter from chief of engineers, Army, submitting report; May 6, 1970. 1970. xvii+138 p. 11. 2 pl. 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 11253] †

### House reports

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

House reports on public bills, 91st Congress. † House Document Room, Capitol. (Nos. 1082 and 1308 are sold by Superintendent of Documents.)

● Item 1008-A

- 10948 1080. Suspension of duties on certain forms of copper. Report from Committee on Ways and Means to accompany H.R. 17241. May 13, 1970. 3 p.
- 10949 1082. Environmental decade (action proposals for 1970's). 24th report by Committee on Government Operations; May 13, 1970. 1970. v+38 p. \* Paper, 20c.
- 10950 1100. Consideration of House Joint Resolution 1117. Report from Committee on Rules to accompany H. Res. 1021. May 18, 1970. 1 p.
- 10951 1107. Consideration of H.R. 17604. Report from Committee on Rules to accompany H. Res. 1030. May 19, 1970. 1 p.
- 10952 1118. Amend District of Columbia cooperative association act. Report from Committee on District of Columbia to accompany H.R. 17711. May 22, 1970. 9 p.
- 10953 1120. Providing for designation of special policemen at Government Printing Office, and for other purposes. Report from Committee on House Administration to accompany H.R. 14452. May 25, 1970. 7 p.
- 10954 1121. Authorizing Public Printer to grant time off as compensation for overtime worked by certain employees of Government Printing Office. Report from Committee on House Administration to accompany [H.R.] 14453. May 25, 1970. 3 p.
- 10955 1122. Authorizing Secretary of Interior to establish volunteers in park program. Report from Committee on Interior and Insular Affairs to accompany H.R. 12758. May 25, 1970. 6 p.
- 10956 1123. Amending act of June 28, 1948, as amended, relating to acquisition of property for Independence National Historical Park. Report from Committee on Interior and Insular Affairs to accompany H.R. 15608. May 26, 1970. 5 p.
- 10957 1127. Falls of Ohio Interstate Park compact. Report from Committee on Judiciary to accompany H.R. 13971. May 26, 1970. 4 p.
- 10958 1129. Expediting act amendments. Report from Committee on Judiciary to accompany H.R. 12807. May 27, 1970. 14 p.
- 10959 1130. Public debt. Report from Committee on Ways and Means to accompany H.R. 17802. May 28, 1970. 15 p.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

## AUGUST 1970

- 10960 1131. Emergency home finance act of 1970. Report together with additional and individual views from Committee on Banking and Currency to accompany H.R. 17495. May 28, 1970. 34 p.
- 10961 1132. Authorizing Secretary of Interior to construct, operate, and maintain Narrows unit, Missouri River Basin project, Colo., and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 6715. June 1, 1970. 13 p.
- 10962 1134. Foreign assistance and related programs appropriation bill, 1971. Report together with separate and additional views from Committee on Appropriations to accompany H.R. 17867. June 1, 1970. 41 p.
- 10963 1135. District of Columbia appropriation bill, 1971. Report together with supplemental views from Committee on Appropriations to accompany H.R. 17868. June 1, 1970. 29 p.
- 10964 1136. Elimination of duty on repairs made abroad to American shrimp vessels. Report from Committee on Ways and Means to accompany H.R. 16745. June 2, 1970. 3 p.
- 10965 1137. Creating uniform policy for administration of training at service academies. Report from Committee on Armed Services to accompany H.R. 2499. June 2, 1970. 11 p.
- 10966 1138. Providing relief to certain former officers of Supply Corps and Civil Engineer Corps of Navy. Report from Committee on Armed Services to accompany H.R. 8663. June 2, 1970. 4 p.
- 10967 1139. Extending authority to grant special 30-day leave for members of uniformed services who voluntarily extend their tours of duty in hostile fire areas. Report from Committee on Armed Services to accompany H.R. 16298. June 2, 1970. 5 p.
- 10968 1140. Repealing obsolete sections of title 10, United States Code, and sec. 208 of title 37, United States Code. Report from Committee on Armed Services to accompany H.R. 15112. June 2, 1970. 9 p.
- 10969 1141. Providing that enlisted members of uniformed service who accept appointments as officers shall not receive less than pay and allowances to which they were previously entitled by virtue of their enlisted status. Report from Committee on Armed Services to accompany H.R. 16732. June 2, 1970. 8 p.
- 10970 1142. Providing more equitable standard for awarding gold star lapel button. Report from Committee on Armed Services to accompany H.R. 10772. June 3, 1970. 7 p.
- 10971 1143. Authorizing U.S. flags be presented to parents of deceased servicemen. Report from Committee on Armed Services to accompany H.R. 13195. June 3, 1970. 8 p. [Amended title to read: Bill to amend title 10 of United States Code to provide that United States flags may be presented to parents of deceased veterans.]
- 10972 1144. Authorizing payment of certain expenses incident to death of members of Armed Forces where no remains are recovered. Report from Committee on Armed Services to accompany H.R. 11876. June 3, 1970. 10 p.
- 10973 1145. Extending civil defense emergency authorities. Report from Committee on Armed Services to accompany H.R. 16731. June 3, 1970. 8 p.
- 10974 1146. Clean air act amendments of 1970. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 17255. June 3, 1970. 53 p. [Includes additional views.]
- 10975 1148. Releasing and conveying reversionary interest of United States in certain real property known as McNary Dam townsite, Umatilla County, Oreg. Report from Committee on Interior and Insular Affairs to accompany H.R. 13601. June 4, 1970. 4 p.
- 10976 1149. Declaring that United States holds in trust for Washoe tribe of Indians certain lands in Alpine County, Calif. Report from Committee on Interior and Insular Affairs to accompany H.R. 4587. June 4, 1970. 7 p.
- 10977 1150. Providing for disposition of funds appropriated to pay judgments in favor of Missouri Sioux Indians in Indian Claims Commission dockets numbered 142, 359-363, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 14984. June 4, 1970. 23 p.
- 10978 1151. Repealing act of Aug. 25, 1959, with respect to final disposition of affairs of Choctaw Tribe. Report from Committee on Interior and Insular Affairs to accompany H.R. 15866. June 4, 1970. 6 p.
- 10979 1152. Reimbursing Ute Tribe of Uintah and Ouray Reservation for tribal funds that were used to construct, operate, and maintain Uintah Indian Irrigation project, Utah, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 16416. June 4, 1970. 9 p.
- 10980 1154. Further extending period of restrictions on lands of Quapaw Indians, Okla., and for other purposes. Report from Committee on Interior and Insular Affairs to accompany S. 887. June 4, 1970. 4 p.
- 10981 1155. Resource recovery act of 1970. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 11833. June 4, 1970. 15 p. L.C. card 76-607864
- 10982 1157. Distilled spirits. Report from Committee on Ways and Means to accompany H.R. 10517. June 4, 1970. 17 p.
- 10983 1161. Department of Agriculture and related agencies appropriation bill, 1971. Report from Committee on Appropriations to accompany H.R. 17923. June 4, 1970. 67 p.
- 10984 1162. Investigation of "preselected winners" sweepstakes promotions. Report of subcommittee no. 4 to Select Committee on Small Business pursuant to H. Res. 66, June 8, 1970. xiii+71+A620 p. 11. † (To be sent to depository libraries in Serial set binding.) L.C. card 71-607801

☛For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 19

GOVERNMENT PUBLICATIONS

House reports on public bills, 91st Congress—Continued

- 10985 1163. Military construction appropriation bill, 1971. Report together with separate views from Committee on Appropriations to accompany H.R. 17970. June 8, 1970. 50 p.
- 10986 1164. Increasing automobile allowance for certain service-connected disabled veterans. Report from Committee on Veterans Affairs to accompany H.R. 370. June 6, 1970. 6 p.
- 10987 1165. Land use in Milwaukee County, Wis. Report from Committee on Veterans Affairs to accompany H.R. 16496. June 9, 1970. 3 p.
- 10988 1166. Service-connected compensation increase for veterans. Report from Committee on Veterans Affairs to accompany H.R. 17958. June 9, 1970. 33 p.
- 10989 1167. Hospital and medical facilities construction and modernization amendments of 1970. Conference report to accompany H.R. 11102. June 9, 1970. 26 p.
- 10990 1180. American Revolution Bicentennial Commission. Report from Committee on Judiciary to accompany H.R. 16408. June 11, 1970. 7 p.
- 10991 1181. Foreign arbitral awards. Report from Committee on Judiciary to accompany S. 3274. June 11, 1970. 6 p.
- 10992 1183. Improved management in Federal Government, examples for period July-Dec. 1969 [report by] Subcommittee on Manpower and Civil Service of Committee on Post Office and Civil Service; June 11, 1970. 1970. xi+26 p.  
L.C. card 66-60377
- 10993 1189. NASA authorization for fiscal year 1971. Conference report to accompany H.R. 16516. June 15, 1970. 14 p.
- 10994 1191. Sea grant authorization. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 11766. June 15, 1970. 12 p.
- 10995 1192. Jellyfish control. Report from Committee on Merchant Marine and Fisheries to accompany H.R. 12943. June 15, 1970. 8 p.
- 10996 1194. Railroad safety and hazards materials control. Report of Committee on Interstate and Foreign Commerce on S. 1933; June 15, 1970. 1970. iii+76 p.
- 10997 1196. Authorize Secretary of Interior to construct, operate, and maintain Touchet Division, Walla Walla project, Oreg.—Wash. Conference report to accompany S. 743. June 16, 1970. 3 p.
- 10998 1197. Provide for differentiation between private and public ownership of lands, Federal reclamation law. Conference report to accompany S. 2062. June 16, 1970. 3 p.
- 10999 1198. Release of manganese ore, type B, from stockpile. Conference report to accompany H.R. 15837. June 16, 1970. 3 p.
- 11000 1199. Release of shellac from stockpile. Conference report to accompany H.R. 15838. June 16, 1970. 3 p.
- 11001 1200. Release of natural [natural] Ceylon amorphous lump graphite from stockpile. Conference report to accompany H.R. 16289. June 16, 1970. 3 p.
- 11002 1201. Release of cadmium from stockpile. Conference report to accompany H.R. 12941. June 16, 1970. 3 p.
- 11003 1203. Release of corundum from stockpile. Conference report to accompany H.R. 16292. June 16, 1970. 3 p.
- 11004 1204. Release of bismuth from stockpile. Conference report to accompany H.R. 15831. June 16, 1970. 3 p.
- 11005 1206. Release of castor oil from stockpile. Conference report to accompany H.R. 15832. June 16, 1970. 3 p.
- 11006 1207. Release of fluorspar from stockpile. Conference report to accompany H.R. 15833. June 16, 1970. 3 p.
- 11007 1209. Release of surinam-type bauxite from stockpile. Conference report to accompany H.R. 15998. June 16, 1970. 3 p.
- 11008 1210. Release of tungsten from stockpile. Conference report to accompany H.R. 15839. June 16, 1970. 3 p.
- 11009 1211. Release of manganese ore, type A, from stockpile. Conference report to accompany H.R. 15836. June 16, 1970. 3 p.
- 11010 1212. Release of cobalt from stockpile. Conference report to accompany H.R. 15021. June 16, 1970. 3 p.
- 11011 1213. Release of refractory grade chromite ore from stockpile. Conference report to accompany H.R. 16290. June 16, 1970.
- 11012 1214. Release of asbestos from stockpile. Conference report to accompany H.R. 16291. June 16, 1970. 3 p.
- 11013 1215. Legislative reorganization act of 1970. Report of Committee on Rules on H.R. 17654; June 17, 1970. 1970. vi+182 p. †(To be sent to depository libraries in Serial set binding.)  
L.C. card 72-607918
- 11014 1291. Occupational safety and health act. Report from Committee on Education and Labor to accompany H.R. 16785. July 9, 1970. 62 p. ii. [Corrected print. Includes minority, separate and concurring views.]
- 11015 1303. District of Columbia court reform and criminal procedure act of 1970. Conference report to accompany S. 2601. July 14, 1970. 243 p.
- 11016 1308. Problems confronting Federal Aviation Administration in development of air traffic control system for 1970's. 29th report by Committee on Government Operations; July 16, 1970. 1970. vi+117 p. \* Paper, 50c.  
L.C. card 70-608175

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

AUGUST 1970

*Agriculture Committee, House*  
Washington, DC 20515

[Committee hearings] serial, 91st Congress. † ● Item 1010

- 11017 Y. Prohibit importation of certain agricultural commodities to which economic poisons have been applied, hearing before Subcommittee on Departmental Operations, 91st Congress, 2d session, on H.R. 15560 and H.R. 16576, June 8, 1970. 1970. iii+21 p.  
L.C. card 72-607820 Y 4.Ag 8/1 : P 75/3
- 11018 Z. Cost-sharing in water-based recreational development, hearing before Subcommittee on Conservation and Credit, 91st Congress, 2d session, on H.R. 16543 [and other bills], June 4, 1970. 1970. iii+21 p.  
L.C. card 72-607855 Y 4.Ag 8/1 : R 24
- 11019 AA. Increase Farmers Home Administration loan limitation, hearing before Subcommittee on Conservation and Credit, 91st Congress, 2d session, on H.R. 11547, June 9, 1970. 1970. iii+22 p.  
L.C. card 75-608006 Y 4.Ag 8/1 : L 78/7/970

*Appropriations Committee, House*  
Washington, DC 20515

- 11020 Department of Defense appropriations for 1971, hearings before subcommittee, 91st Congress, 2d session. † ● Item 1011  
L.C. card 61-60926 Y 4.Ap 6/1 : D 36/5/971/pt. (nos.)  
pt. 4. Safeguard antiballistic missile system. 1970. ii+120+v p. ii.  
pt. 5. Procurement, reprogramming actions. 1970. ii+1143+xiv p. ii.
- 11021 Departments of Labor and Health, Education, and Welfare appropriations for 1971, hearings before subcommittee, 91st Congress, 2d session. † ● Item 1011  
L.C. card 79-606699 Y 4.Ap 6/1 : L 11/971/pt. (nos.)  
pt. 2. Environmental Health Service, Food and Drug Administration, Health Services and Mental Health Administration, statement of Assistant Secretary for Health and Scientific Affairs. 1970. ii+1117+x p. ii.  
pt. 3. National Institutes of Health. 1970. ii+1382+xii p. ii.  
pt. 4. Departmental management, Social and Rehabilitation Service, Social Security Administration, special institutions. 1970. ii+1160+xiv p. ii.  
pt. 5. Labor Department. 1970. ii+938+vii p. ii.  
pt. 7. Public witnesses. 1970. ii+1311+iv p. ii.
- 11022 Public works for water, pollution control, and power development and Atomic Energy Commission, hearings before subcommittee, 91st Congress, 2d session. † ● Item 1011  
L.C. card 76-607202 Y 4.Ap 6/1 : P 96/14/971/pt. (nos.)  
pt. 3. Alaska Power Administration, Bonneville Power Administration, Bureau of Reclamation, Delaware River Basin Commission, Federal Water Quality Administration, National Water Commission, Southeastern Power Administration, Southwestern Power Administration, statement of Secretary of Interior, underground electric power transmission research, Water Resources Council. 1970. ii+1216+ix p.  
pt. 4. Atomic Energy Commission, Panama Canal, Tennessee Valley Authority. 1970. ii+1196+viii p. ii.  
pt. 5. Testimony of Members of Congress and other interested individuals and organizations. 1970. ii+1263+xii p.

*Armed Services Committee, House*  
Washington, DC 20515

Papers, 91st Congress. ● Item 1012 Y 4.Ar 5/2a : 969-70/nos.

NOTE.—These papers consist largely of hearings. They are paged continuously for binding at the end of session of Congress under title "Hearings before Committee on Armed Services of the House of Representatives on sundry legislation affecting the naval and military establishments." Title page, contents, and index are issued for each volume.

- 11023 55. Military construction authorization, fiscal year 1971, hearings before Subcommittee on Military Construction, 91st Congress, 2d session, on H.R. 17062, May 5-11, 1970. [1970.] ii+8089-9155+xi p. ii. †  
L.C. card 71-607450
- 11024 59. Military airlift, report by Subcommittee on Military Airlift, 91st Congress, 2d session, June 24, 1970. 1970. ii+9223-55 p. †  
L.C. card 73-607866

☛For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 21

## GOVERNMENT PUBLICATIONS

### *Banking and Currency Committee, House* Washington, DC 20515

- 11025 Basic laws and authorities on housing and urban development, revised through Jan. 31, 1970. 1970. viii+1012 p. (Committee print, 91st Congress, 2d session.) \* Paper, \$4.00.  
L.C. card 72-608154 Y 4.B 22/1: H 81/43/970
- 11026 Emergency home financing, hearings, 91st Congress, 2d session on H.R. 13694, H.R. 14639, H.R. 15402 [and] H.R. 11, Feb. 2-25, 1970. 1970. vi+777 p. il. † ● Item 1013  
L.C. card 78-606992 Y 4.B 22/1: H 81/51
- 11027 Report on feasibility of applying uniform cost-accounting standards to negotiated defense contracts, by Comptroller General of United States to Committee on Banking and Currency, House, 91st Congress, 2d session; Jan. 1970. 1970. ix+558 p. il. 4° (Committee print.) \* Paper, \$4.75.  
L.C. card 73-606258 Y 4.B 22/1: D 36/4
- 11028 To amend title 7 of Housing and urban development act of 1965, hearings, 91st Congress, 2d session, on H.R. 17795, June 12 and 15, 1970. 1970. iii+297+A687 p. il. † ● Item 1013 Y 4.B 22/1: H 81/40/970
- 11029 To provide additional funds for Inter-American Development Bank, hearings, 91st Congress, 2d session, on H.R. 18236, June 30 and July 1, 1970. 1970. iv+223 p. il. † ● Item 1013  
L.C. card 70-608113 Y 4.B 22/1: In 8/22

### *Crime, Select Committee on, House* Washington, DC 20515

- 11030 Crime in America: youth in trouble, hearings, 91st Congress, 2d session, pursuant to H. Res. 17, Mar. 19 and 20, 1970. 1970. iii+163 p. [Hearings held in Baltimore, Md.] † ● Item 1009  
L.C. card 74-607893 Y 4.C 86/3: C 86/10

### *Education and Labor Committee, House* Washington, DC 20515

- 11031 Comprehensive preschool education and child day-care act of 1969, hearings before Select Subcommittee on Education, 91st Congress, 1st and 2d sessions, on H.R. 13520, Nov. 18, 1969-Feb. 23, 1970. 1970. x+1071 p. il. [Hearings held in Washington, D.C. and Chicago, Ill.] † ● Item 1015  
L.C. card 75-607802 Y 4.Ed 8/1: P 92/2
- 11032 Ethnic heritage studies centers, hearings before General Subcommittee on Education, 91st Congress, 2d session, on H.R. 14910, Feb. 16-May 6, 1970. 1970. vii+363 p. † ● Item 1015  
L.C. card 78-608047 Y 4.Ed 8/1: Et 3

### *Foreign Affairs Committee, House* Washington, DC 20515

- 11033 Foreign policy implications of satellite communications, hearings before Subcommittee on National Security Policy and Scientific Developments, 91st Congress, 2d session, Apr. 20-23, 1970. 1970. vi+212 p. il. † ● Item 1017  
L.C. card 78-607835 Y 4.F 76/1: Sa 8/2

### *Government Operations Committee, House* Washington, DC 20515

- 11034 Amending Employment act to provide for price-wage guideposts, hearing before subcommittee, 91st Congress, 2d session, on H.R. 14460, May 25, 1970. 1970. iii+42 p. il. † ● Item 1016  
L.C. card 78-607800 Y 4.G 74/7: Em 7/970

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available



## AUGUST 1970

- 11035 Environmental decade (action proposals for the 1970's), hearings before subcommittee, 91st Congress, 2d session, Feb. 2-Apr. 3, 1970. 1970. v+361 p. il. \* Paper, \$1.25. ● Item 1016  
L.C. card 78-607827 Y 4 G 74/7: En 8/3
- 11038 Grant consolidation and intergovernmental cooperation, hearings before subcommittee, 91st Congress, 1st session, on H.R. 7366 and H.R. 10954. pt. 2. June 17-Sept. 11, 1969. 1970. iv+217-439 p. † ● Item 1018  
L.C. card 72-607559 Y 4 G 74/7: G 76/3/pt.2

### *House Administration Committee, House* Washington, DC 20515

- 11037 National Museum act amendment and Smithsonian Institution amendments, joint hearing. See, Rules and Administration Committee, Senate.

### *Interior and Insular Affairs Committee, House* Washington, DC 20515

[Committee hearings] serial, 91st Congress. † ● Item 1023

Y 4 In 8/14: 91-(nos.)

- 11038 12. National mining and minerals policy, hearings before Subcommittee on Mines and Mining, 91st Congress, on S. 719, Nov. 5, 1969-June 4, 1970. 1970. v+261 p. il.  
L.C. card 78-608150
- 11039 18. Land and water conservation fund act amendments, hearings before Subcommittee on National Parks and Recreation, 91st Congress, 2d session, on S. 1708 and companion bills, Apr. 13 and 14, 1970. 1970. iv+138 p.  
L.C. card 75-608049
- 11040 20. Riverton extension unit, Missouri River Basin project, hearing before Subcommittee on Irrigation and Reclamation, 91st Congress, 2d session, on H.R. 7521, May 11 and 12, 1970. 1970. iv+100 p.  
L.C. card 79-607897

### *Interstate and Foreign Commerce Committee, House* Washington, DC 20515

[Committee hearings] serial, 91st Congress. † ● Item 1019

Y 4 In 8/4: 91-(nos.)

- 11041 54. War risk insurance extension, hearing before Subcommittee on Transportation and Aeronautics, 91st Congress, 2d session, on H.R. 17133, H.R. 17539, and H.R. 17574, June 1, 1970. 1970. iii+10 p.  
L.C. card 72-607776
- 11042 56. Department of Commerce projects and studies, hearing, before Subcommittee on Commerce and Finance, 91st Congress, 2d session, on H.R. 8668 and S. 1170, June 3, 1970. 1970. iii+6 p.  
L.C. card 78-607894
- 11043 57. Political broadcasting, 1970, hearings before Subcommittee on Communications and Power, 91st Congress, 2d session, on H.R. 13721 [and other bills], June 2-4, 1970. 1970. iv+127 p. il.  
L.C. card 75-607959
- 11044 58. Allied health professions personnel training, 1970, hearing before Subcommittee on Public Health and Welfare, 91st Congress, 2d session, on H.R. 16808 and H.R. 13100, June 8, 1970. 1970. iii+63 p.  
L.C. card 70-607841
- 11045 59. High-speed ground transportation extension, hearing before Subcommittee on Transportation and Aeronautics, 91st Congress, 2d session, on H.R. 17538 and H.R. 17573, June 11, 1970. 1970. iii+43 p. il.
- 11046 60. Developmental disabilities services and facilities construction act of 1970, hearings before Subcommittee on Public Health and Welfare, 91st Congress, 2d session, on H.R. 15160, H.R. 14237, H.R. 15968, and S. 2846, June 9 and 10, 1970. 1970. v+315 p.
- 11047 61. Common and contract carrier State property tax discrimination, hearing before Subcommittee on Transportation and Aeronautics, 91st Congress, 2d session, on H.R. 16245 [and other bills], June 9, 1970. 1970. iii+144 p.  
L.C. card 77-608052
- 11048 62. Passenger train service, supplemental hearings before Subcommittee on Transportation and Aeronautics, 91st Congress, 2d session, on H.R. 17849 [and] S. 3706, June 2-4, 1970. 1970. iv+187 p.  
L.C. card 73-608051

ΦFor Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 23

GOVERNMENT PUBLICATIONS

*Judiciary Committee, House*  
Washington, DC 20515

- 11049 Civil rights acts of 1957, 1960, 1964, 1968, Voting rights act of 1965 and Voting rights act amendments of 1970; July 1, 1970. 1970. iii+79 p. (Committee print, 91st Congress, 2d session.) \* Paper, 30c. Y 4.J 89/1: C 49/8/970  
L.C. card 71-608100
- [Committee hearings] serial, 91st Congress. ● Item 1020  
Y 4.J 89/1: 91-(nos.)
- 11050 17. Law enforcement assistance amendments, hearings before subcommittee no. 5, 91st Congress, 2d session, on H.R. 14341, H.R. 15947, and related proposals, Feb. 18-Mar. 19, 1970. 1970. vi+1021 p. ll. \* Paper, \$4.25.  
L.C. card 77-607808
- 11051 19. Federal youth corrections act amendments, hearings before subcommittee no. 2, 91st Congress, 2d session, on H.R. 16353, May 7, 1970. 1970. iii+26 p. †  
L.C. card 76-608155
- 11052 Federal rules of appellate procedure, with forms, as amended to July 1, 1970; [prepared by Joseph Fischer]. 1970. viii+33 p. \* Paper, 30c.  
● Item 1020  
L.C. card 73-608157 Y 4.J 89/1: Ap 4/2/970
- 11053 Rules of civil procedure for United States District Courts, with forms as amended to July 1, 1970; [prepared by Joseph Fischer]. 1970. xiv+95 p. \* Paper, 50c. ● Item 1020  
L.C. card 79-608161 Y 4.J 89/1: C 49/7/970

*Post Office and Civil Service Committee, House*  
Washington, DC 20515

- [Committee hearing] serial, 91st Congress.
- 11054 23. Implementation of Job evaluation policy act of 1970 (Public law 91-216), hearing before Subcommittee on Position Classification, 91st Congress, 2d session, May 4, 1970. 1970. vi+16 p. † ● Item 1022  
L.C. card 78-607492 Y 4.P 84/10: 91-23

*Public Works Committee, House*  
Washington, DC 20515

- [Committee publications], 91st Congress. † ● Item 1024  
Y 4.P 96/11: 91-(nos.)
- 11055 32. Chesapeake and Delaware Canal, hearings. 91st Congress, 2d session, Apr. 7-May 21, 1970. 1970. iv+322 p. ll.  
L.C. card 71-607828
- 11056 36. IRS data center, Detroit, Mich., hearing before Subcommittee on Public Buildings and Grounds, 91st Congress, 2d session, Apr. 29, 1970. 1970. iii+49 p.  
L.C. card 78-607819
- 11057 37. TVA act amendment, increase borrowing authority, hearing before Subcommittee on Flood Control, 91st Congress, 2d session, on H.R. 18104 and H.R. 16061, June 18, 1970. 1970. iv+59 p.  
L.C. card 78-607957

*Science and Astronautics Committee, House*  
Washington, DC 20515

- 11058 1971 NASA authorization, index for hearings, 91st Congress, 2d session, on H.R. 15695 (superseded by H.R. 16516), v. 1 and 2. 1970. ii+186 p. †  
● Item 1025-A  
L.C. card 78-606574 Y 4.Sci 2: 91-2/16/ind.
- [Paper], 91st Congress, 2d session.
- 11059 20. Future utilization of Kennedy Space Center, Cape Kennedy, Fla., hearings before Subcommittee on Manned Space Flight, 91st Congress, 2d session, Apr. 10, 1970. 1970. iii+57 p. ll. † ● Item 1025-A  
L.C. card 71-607836 Y 4.Sci 2: 91-2/20

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

*Small Business, Select Committee on, House*  
Washington, DC 20515

- 11060 Investigation of "preselected winners" sweepstakes promotions, hearings before Subcommittee on Activities of Regulatory Agencies Relating to Small Business, 91st Congress, 1st session, pursuant to H. Res. 66.  
v. 2. Appendixes, Nov. 12-14, 1970. 1970. v+A1411 p. 11. † ● Item 1031  
L.C. card 79-607558 Y 4.Sm 1: Sw 3/v.2
- 11061 Rural and urban problems of small businessmen, hearings before Subcommittee on Small Business Problems in Smaller Towns and Urban Areas, 91st Congress, 2d session, pursuant to H. Res. 66.  
v. 1. Jan. 27-Feb. 18, 1970. 1970. v+286+A267 p. 11. † ● Item 1031  
L.C. card 70-608050 Y 4.Sm 1: R 88/v.1

SENATE  
Washington, DC 20510

- 11062 Factual campaign information, compiled by Senate Library under direction of Francis R. Valeo, Secretary of Senate, Richard D. Hupman, Librarian. Revised June 19, 1970. 1970. iii+114 p. 1 tab. \* Paper, 65c.  
● Item 998  
L.C. card 56-60948 Y 1.3: C 15/2/970-2

*Senate documents*

NOTE.—All Senate documents, entries for which are followed by a †, may be obtained from the Senate Document Room or from the issuing office.

Senate documents, 91st Congress.

- 11063 66. How can our physical environment best be controlled and developed? collection of excerpts and bibliography relating to high school debate topic, 1970-71, pursuant to Public law 88-248, compiled by [George Siehl]. Legislative Reference Service, Library of Congress. 1970. v+231 p. 11. \* Paper, \$1.00.  
● Item 996  
L.C. card 77-608131
- 11064 73. Federal and State student aid programs, prepared [by Colleen A. Campbell, Education and Public Welfare Division, Legislative Reference Service], for Subcommittee on Education; June 11, 1970. 1970. xii+82 p. [Includes list of selected sources of information on colleges, careers, and financial assistance for students.] \* Paper, 40c. ● Item 996
- 11065 76. America's 200th anniversary, report of American Revolution Bicentennial Commission; July 6, 1970. 1970. vii+44 p. † ● Item 996

*Senate executive reports*

Senate executive reports, 91st Congress, 2d session. † Y 1.91/2: rp. (nos.)

- 11066 19. Agreement between United States and Canada regarding radiotelephone stations. Report from Committee on Foreign Relations to accompany Ex. A, 91-2 May 25, 1970. 5 p.
- 11067 20. Extradition treaty with New Zealand. Report from Committee on Foreign Relations to accompany Ex C, 91st Cong., 2d sess. May 25, 1970. 4 p.
- 11068 21. Nomination of William E. Miller. Report from Committee on Judiciary to accompany nomination of William Ernest Miller. June 26, 1970. 3 p.

*Senate reports*

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

Senate reports on private bills, 91st Congress. † Senate Document Room, Capitol. ● Item 1008-B

- 11069 919. Amending act of Oct. 25, 1949 (63 Stat. 1205), authorizing Secretary of Interior to convey tract of land to Lillian I. Anderson. Report from committee on Interior and Insular Affairs to accompany H.R. 2012. June 9, 1970. 4 p.

Senate reports on public bills, 91st Congress. † Senate Document Room, Capitol. ● Item 1008-A

- 11070 754. Increase in veterans' disability compensation. Report from Committee on Finance to accompany S. 3348. Apr. 23, 1970. 15 p.

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

Senate reports on public bills, 91st Congress—Continued

- 11071 791. Authorizing printing of additional copies of 1969 report of Special Committee on Aging. Report from Committee on Rules and Administration to accompany S. Res. 359. Apr. 23, 1970. 2 p.
- 11072 793. Further extending period of restrictions on lands of Quapaw Indians, Oklahoma, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany S. 887. Apr. 23, 1970. 5 p.
- 11073 852. Authorizing appropriations for Atomic Energy Commission, fiscal year 1971. Report by Joint Committee on Atomic Energy to accompany S. 3318. May 11, 1970. 11+66 p.
- 11074 856. Authorizing construction, operation, and maintenance of Merlin division, Rogue River basin project, Oreg. Report from Committee on Interior and Insular Affairs to accompany H.R. 780. May 12, 1970. 9 p.
- 11075 867. Amending sec. 2 of act of June 30, 1954, as amended, providing for continuance of civil government for Trust Territory of Pacific Islands. Report from Committee on Interior and Insular Affairs to accompany S. 3479. May 14, 1970. 9 p.
- 11076 872. Termination of southeast Asia resolution. Report from Committee on Foreign Relations to accompany S. Con. Res. 64. May 15, 1970. 24 p. L.C. card 72-607591
- 11077 887. Central and western Pacific tuna fishery development act. Report from Committee on Commerce to accompany S. 3176. May 20, 1970. 6 p.
- 11078 893. Allowing purchase of additional systems and equipment for passenger motor vehicles over and above statutory price limitation. Report from Committee on Government Operations to accompany S. 2763. May 22, 1970. 14 p.
- 11079 894. Amending National sea grant college and program act of 1966. Report from Committee on Labor and Public Welfare to accompany S. 2293. May 25, 1970. 8 p.
- 11080 895. River basin monetary authorizations and miscellaneous civil works amendments. Report from Committee on Public Works to accompany H.R. 15166. May 26, 1970. 33 p.
- 11081 896. Transferring from Architect of Capitol to Librarian of Congress authority to purchase office equipment and furniture for Library of Congress. Report from Committee on Rules and Administration to accompany H.R. 11828. May 27, 1970. 5 p.
- 11082 911. Report of Select Committee on Standards and Conduct on investigation of introduction of private immigration bills in Senate for Chinese crewmen, 90th and 91st Congress, under authority of S. Res. 338 (88th Congress, 2d session); May 28, 1970. 1970. ii+3 p.
- 11083 912. Postal reorganization. Report together with individual and supplemental views from Committee on Post Office and Civil Service to accompany S. 3842. June 3, 1970. 25 p.
- 11084 913. Lease and transfer of tobacco allotments. Report from Committee on Agriculture and Forestry to accompany H.R. 14306. June 3, 1970. 5 p.
- 11085 914. Disposition of executive records. Report from Committee on Post Office and Civil Service to accompany H.R. 14300. June 3, 1970. 8 p.
- 11086 915. Custom slaughtering. Report from Committee on Agriculture and Forestry to accompany S. 3592. June 4, 1970. 8 p.
- 11087 916. Providing for disposition of judgment funds of Sioux Tribe of Fort Peck Indian Reservation, Mont. Report from Committee on Interior and Insular Affairs to accompany H.R. 10184. June 4, 1970. 18 p.
- 11088 917. 2d supplemental appropriation bill, 1970. Report from Committee on Appropriations to accompany H.R. 17399. June 8, 1970. 88 p.
- 11089 918. Purchase of U.S. obligations by Federal reserve banks. Report from Committee on Banking and Currency to accompany S. 3889. June 9, 1970. 4 p.
- 11090 920. Authorizing construction of East Greenacres unit, Rathdrum Prairie project, Idaho. Report from Committee on Interior and Insular Affairs to accompany H.R. 9854. June 9, 1970. 5 p.
- 11091 921. Establishing Ford's Theatre National Historical Site and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 12860. June 10, 1970. 4 p.
- 11092 924. Establishing Glen Canyon National Recreation Area in Arizona and Utah. Report from Committee on Interior and Insular Affairs to accompany S. 27. June 11, 1970. 10 p.
- 11093 926. Extending civil defense emergency authorities. Report from Committee on Armed Services to accompany S. 3949. June 11, 1970. 8 p.
- 11094 928. Craters of Moon National Monument, Idaho. Report from Committee on Interior and Insular Affairs to accompany S. 1732. June 11, 1970. 3 p.
- 11095 929. Adjustment of outstanding currency. Report from Committee on Banking and Currency to accompany S. 3825. June 12, 1970. 3 p.
- 11096 930. Retirement age for career ministers. Report from Committee on Foreign Relations to accompany S. 3691. June 16, 1970. 8 p.
- 11097 932. Suspension of duties on certain forms of copper. Report from Committee on Finance to accompany H.R. 17241. June 16, 1970. 4 p.
- 11098 933. Suspension of duties on manganese ore. Report from Committee on Finance to accompany H.R. 14720. June 16, 1970. 6 p.
- 11099 934. Veterans' Administration regional office in Philippines. Report from Committee on Finance to accompany H.R. 16739. June 16, 1970. 10 p.
- 11100 935. Deferral of wheat referendum. Report from Committee on Agriculture and Forestry to accompany S. 3978. June 17, 1970. 3 p.

\*For Sale by Superintendent of Documents  
 †Distribution Made by Issuing Office  
 ‡Official Use. Not Available

## AUGUST 1970

- 11101 939. District of Columbia appropriations bill, 1971. Report from Committee on Appropriations to accompany H.R. 17868. June 18, 1970. [1]+53 p. il.  
11102 1012. Air traffic controllers. Report from Committee on Post Office and Civil Service to accompany S. 3959. July 9, 1970. 166 p. il.  
L.C. card 74-808133

### *Agriculture and Forestry Committee, Senate* Washington, DC 20510

- 11103 Plant variety protection act, hearing before Subcommittee on Agricultural Research and General Legislation, 91st Congress, 2d session, on S. 3070, June 11, 1970. 1970. iii+91 p. † ● Item 1032  
L.C. card 70-607825 Y 4.Ag 8/2: P 69/2

### *Appropriations Committee, Senate* Washington, DC 20510

- 11104 Department of Agriculture and related agencies appropriations for fiscal year 1971, hearings before subcommittee, 91st Congress, 2d session, on H.R. 17923. † ● Item 1033  
L.C. card 70-607947 Y 4.Ap 6/2: Ag 8/971/pt. (nos.)  
pt. 1. Agencies of the Department, Farm Credit Administration. 1970. ii+1-1226+xxii p. il.  
pt. 2. Testimony of Members of Congress, organizations and individuals, departmental appeal from House action appears on p. 2135. 1970. ii+1227-2212+xxii p. il.  
pt. 3. Program payments made to producers during calendar year 1961, subsidy payments for agricultural exports. 1970. vi+2014 p.  
11105 Independent offices and Department of Housing and Urban Development appropriations for fiscal year 1971, hearings before subcommittee, 91st Congress, 2d session, on H.R. 17548. 1970. ii+1673+xxiv p. il. † ● Item 1033  
L.C. card 73-607807 Y 4.Ap 6/2: In 2/971  
11106 Public works for water, pollution control, and power development and Atomic Energy Commission appropriations for fiscal year 1971, hearings before subcommittee, 91st Congress, on H.R. 18127. † ● Item 1033  
L.C. card 73-608035 Y 4.Ap 6/2: P 96/3/971/pt. (nos.)  
pt. 1, v. 1. Civil functions, Department of Army. 1970. ii+1257+xxxviii p. [pt. 3, v. 2.] [Atomic Energy Commission]. 1970. ii+865-1762+xxii p. il.

### *Armed Services Committee, Senate* Washington, DC 20510

- 11107 Authorization for military procurement, research and development, fiscal year 1971, and Reserve strength, hearings, 91st Congress, 2d session, on S. 3367 and H.R. 17123. ● Item 1034  
L.C. card 72-607942 Y 4.Ar 5/3: P 94/6/971/pt. (nos.)  
pt. 1. Feb. 20-Mar. 5, 1970. 1970. ii+1-824+xxiv p. il. \* Paper, \$3.50.  
pt. 2. Mar. 10-20, 1970. 1970. ii+825-1634+xxv p. il. \* Paper, \$3.50.  
pt. 3. Mar. 2-June 11, 1970. 1970. ii+1635-2492+xi p. \* Paper, \$3.50.  
Appendix. 1970. ii+2493-2715 p. \* Paper, \$1.00.  
11108 Limitation of strategic arms, hearings before Subcommittee on Strategic Arms Limitation Talks, 91st Congress, 2d session.  
pt. 2. Testimony of Robert W. Campbell, Thomas W. Wolfe, May 20, 1970. 1970. iii+51-117 p. \* Paper, 35c. ● Item 1034  
L.C. card 70-608706 Y 4.Ar 5/3: Ar 5/11/pt.2  
11109 Nomination of Thomas H. Moorer, USN, to be Chairman, Joint Chiefs of Staff, 91st Congress, 2d session, June 4 and 5, 1970. 1970. ii+37 p. † ● Item 1034  
L.C. card 71-607958 Y 4.Ar 5/3: M 78

### *Banking and Currency Committee, Senate* Washington, DC 20510

- 11110 Foreign trade zone application of Maine, hearings before Subcommittee on Small Business, 90th Congress, 2d session, and 91st Congress, 1st session, on establishment of foreign trade zone at Portland, Maine, and subzone at Machiasport, Maine, Dec. 19, 1968-Mar. 14, 1969. 1970. v+282 p. il. † ● Item 1035  
L.C. card 70-607822 Y 4.B 22/3: M 28/2

GOVERNMENT PUBLICATIONS

- 11111 One-bank holding company legislation of 1970, hearings, 91st Congress, 2d session, on S. 1052, S1211, S. 1664, S. 3823, and H.R. 6778. ● Item 1035  
L.C. card 75-607790 Y 4.B 22/3: B 22/18/pt. (nos.)  
pt. 1. May 12-22, 1970. 1970. xvii+678 p. il. \* Paper, \$3.00.  
pt. 2. May 25-28, 1970, and appendix. 1970. xviii+679-1416 p. \* Paper, \$3.25.
- 11112 Problems of small domestic shoe manufacturers, hearings before Subcommittee on Small Business, 91st Congress, 1st session, Sept. 16-Oct. 3, 1969. 1970. viii+535 p. il. 1 tab. [Hearing held in Washington, D.C., Manchester, N.H., and Boston, Mass.] † ● Item 1035  
L.C. card 79-607941 Y 4.B 22/3: Sh 7

*Commerce Committee, Senate*  
Washington, DC 20510

- 11113 Air pollution, 1970, joint hearings. See Public Works Committee, Senate.  
[Committee hearings] serial, 91st Congress. † ● Item 1041  
Y 4.C 73/2: 91-(nos.)
- 11114 58. Federal Power Commission oversight, hearing before Subcommittee on Energy, Natural Resources, and Environment, 91st Congress, 2d session, on report covering principal policy questions now facing Federal Power Commission, Jan. 30, 1970. 1970. iii+774 p. il.  
L.C. card 77-608028
- 11115 59. Federal oceanic and atmospheric organization, hearings before Subcommittee on Oceanography, 91st Congress, 1st and 2d sessions, Dec. 17, 1969-Feb. 26, 1970. 1970. pt. 1, iv+771 p. il.  
L.C. card 77-607824

*District of Columbia Committee, Senate*  
Washington, DC 20510

- 11116 Water pollution in National Capital region, hearings, 91st Congress, 2d session.  
pt. 1. Mar. 25-Apr. 8, 1970. 1970. v+1-428 p. il. † ● Item 1036  
L.C. card 71-607773 Y 4.D 63/2: W 29/6/pt.1

*Finance Committee, Senate*  
Washington, DC 20510

- 11117 H.R. 16311, act to authorize family assistance plan providing basic benefits to low-income families with children, to provide incentives for employment and training to improve capacity for employment of members of such families, to achieve greater uniformity of treatment of recipients under Federal-State public assistance programs and to otherwise improve such programs, and for other purposes. June 23, 1970. 164+[1] p. large 8" (Committee print, 91st Congress, 2d session.) [Bill form.] \* Paper, \$1.25.  
L.C. card 77-608079 Y 4.F 49: F 21/3
- 11118 H.R. 16311, Family assistance act of 1970, revised and resubmitted by Administration; June 20, 1970. 1970. vi+308 p. (Committee print, 91st Congress, 2d session.) \* Paper, \$1.25.  
L.C. card 70-608105 Y 4.F 49: F 21/2
- 11119 Nomination, hearings, 91st Congress, 2d session on nomination of Elliot L. Richardson, of Massachusetts, to be Secretary of Health, Education, and Welfare, June 11 and 12, 1970. 1970. iii+43 p. il. † ● Item 1038  
Y 4.F 49: N 72/3/970
- 11120 Nominations, hearing, 91st Congress, 2d session, on Samuel R. Pierce, jr., of New York, to be General Counsel, Department of Treasury, and Edward F. Zigler, of Connecticut, to be Chief of Children's Bureau, Department of Health, Education, and Welfare, June 12, 1970. 1970. iii+42 p. † ● Item 1038  
L.C. card 77-607796 Y 4.F 49: N 72/3/970-1
- 11121 \$395 billion debt limit, hearing, 91st Congress, 2d session, on H.R. 17802, June 18, 1970. 1970. iv+67 p. † ● Item 1038  
L.C. card 70-607797 Y 4.F 49: D 35/5/970

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

*Foreign Relations Committee, Senate*  
Washington, DC 20510

- 11122 ABM, MIRV, SALT, and nuclear arms race, hearings before Subcommittee on Arms Control, International Law and Organization, 91st Congress, 2d session, Mar. 16-June 29, 1970. v+624 p. il. \* Paper, \$2.75.  
● Item 1039  
L.C. card 72-608111 Y 4.F 76/2: An 8/3
- 11123 Genocide convention, hearings before subcommittee, 91st Congress, 2d session, on Executive O., 81st Congress, 1st session, Apr. 24-May 22, 1970. v+261 p. † ● Item 1039  
L.C. card 71-608056 Y 4.F 76/2: G 28/970
- 11124 Moral and military aspects of war in southeast Asia, hearings, 91st Congress, 2d session, May 7 and 12, 1970. 1970. iii+108 p. \* Paper, 45c.  
● Item 1039  
L.C. card 74-607798 Y 4.F 76/2: As 4/12
- 11125 United States security agreements and commitments abroad, hearings before Subcommittee on United States Security Agreements and Commitments Abroad, 91st Congress, 2d session.  
pt. 4. Republic of China, Nov. 24, 1969-May 8, 1970. v+919-1146 p. †  
● Item 1039  
L.C. card 70-604496 Y 4.F 76/2: Se 2/pt.4

*Government Operations Committee, Senate*  
Washington, DC 20510

- 11126 International negotiation, when academic door to Peking opens [by Robert F. Byrnes], memorandum prepared at request of Subcommittee on National Security and International Operations (pursuant to S. Res. 311, 91st Cong.). 1970. v+30 p. (Committee print, 91st Congress, 2d session.) †  
L.C. card 79-607862 Y 4.G 74/6: P 36/2
- 11127 Reorganization plan no. 2 of 1970, hearing before Subcommittee on Executive Reorganization and Government Research, 91st Congress, 2d session, May 8, 1970. 1970. iii+100 p. † ● Item 1037  
L.C. card 78-607799 Y 4.G 74/6: R 29/970/no.2

*Interior and Insular Affairs Committee, Senate*  
Washington, DC 20510

- 11128 Canyonlands National Park and Glen Canyon national recreation area, hearing before Subcommittee on Parks and Recreation, 91st Congress, 2d session, on S. 26 [and] S. 27, May 5, 1970. 1970. iv+115 p. il. †  
● Item 1040  
L.C. card 78-608055 Y 4.In 8/13: C 16/3
- 11129 Interior nominations, hearings, 91st Congress, 2d session, on nominations of Russell R. Train, Chairman, Robert Cahn, and Gordon James Fraser MacDonald to Council on Environmental Quality, Feb. 5, 1970. 1970. iii+43 p. † ● Item 1040  
L.C. card 72-607583 Y 4.In 8/13: N 72/970-3
- 11130 Oversight of electric power contract, Montana, hearing before Special Subcommittee on Legislative Oversight, 91st Congress, 2d session, on proposed Bureau of Reclamation contract for transmission of electric power between Great Falls and Browning, Mont., Apr. 23, 1970. 1970. iv+69 p. il. map. † ● Item 1040  
L.C. card 79-607775 Y 4.In 8/13: El 2
- 11131 Santa Barbara oil pollution, hearings before Subcommittee on Minerals, Materials, Fuels, 91st Congress, 2d session, on S. 1219, S. 2516, S. 3351, and S. 3516, and S. 3093, Mar. 13 and 14, 1970. 1970. v+185 p. il. [Hearings held in Santa Barbara, Calif.] † ● Item 1040  
L.C. card 79-608153 Y 4.In 8/13: Sa 5b/2

♣For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

*Judiciary Committee, Senate*  
Washington, DC 20510

- 11132 Federal Trade Commission procedures, hearings before Subcommittee on Administrative Practices and Procedures, 91st Congress, 1st session, on Agency responsiveness to public needs, Federal Trade Commission. pt. 1. Sept. 12 and 16, 1969. 1970. iii+244 p. † ● Item 1042  
L.C. card 77-607946 Y 4.J 89/2: F 31/12/pt.1
- 11133 Increasing Sherman act criminal penalties, hearings before Subcommittee on Antitrust and Monopoly, 91st Congress, 2d session, on S. 3036, Mar. 4 and 5, 1970. 1970. iii+57 p. il. † ● Item 1042  
L.C. card 70-608053 Y 4.J 89/2: Sh 5/3
- 11134 Threat of U.S. security posed by stepped-up Sino-Soviet hostilities (testimony of Stefan T. Possony), hearing before Subcommittee to Investigate Administration of Internal Security Act and Other Internal Security Laws, 91st Congress, 2d session, Mar. 17, 1970. 1970. ii+140+vii p. il. 2 maps. \* Paper, \$1.00. ● Item 1042  
L.C. card 74-608046 Y 4.J 89/2: Si 6

*Labor and Public Welfare Committee, Senate*  
Washington, DC 20510

- 11135 Alcoholism and narcotics, hearings before Special Subcommittee on Alcoholism and Narcotics, 91st Congress, 2d session, on inquiry into problem of alcoholism and narcotics. pt. 5. Des Moines, Iowa, Feb. 14, 1970. 1970. iv+895-1014 p. † ● Item 1043  
L.C. card 77-606161 Y 4.L 11/2: A1 1/4/pt.5
- 11136 American folklife foundation act, hearing before Subcommittee on Education, 91st Congress, 2d session, on S. 1591, May 18, 1970. 1970. iv+96 p. il. † ● Item 1043  
L.C. card 74-608054 Y 4.L 11/2: Am 3/2
- 11137 Federal drug abuse and drug dependence prevention, treatment, and rehabilitation act of 1970, hearings before Special Subcommittee on Alcoholism and Narcotics, 91st Congress, 2d session. † ● Item 1043  
L.C. card 70-607770 Y 4.L 11/2: D 84/2/pt. (nos.)  
pt. 1. Mar. 1625, 1970. 1970. v+1-305 p.  
pt. 2. Mar. 26-Apr. 15, 1970. 1970. v+397-666 p. il.  
pt. 3. Apr 10-11, 1970. 1970. iv+667-817 p. il. [Hearings held in Winchester and Lynn, Mass.]
- 11138 Manpower development and training legislation, 1970, hearings before Subcommittee on Employment, Manpower, and Poverty, 91st Congress, 1st and 2d sessions, on S. 3867, S. 2838, [and] S. 3878. pt. 2. Feb. 20-Mar. 18, 1970. 1970. vi+743-1091 p. il. [Hearings held in Cleveland, Ohio, and Washington, D.C.] † ● Item 1043  
L.C. card 71-606926 Y 4.L 11/2: M 31/7/970/pt.2
- 11139 Migrant and seasonal farmworker powerlessness, hearings before Subcommittee on Migratory Labor, 91st Congress, 1st and 2d sessions. † ● Item 1043  
L.C. card 77-607666 Y 4.L 11/2: M 58/8/pt. (nos.)  
pt. 2. Migrant subculture, July 28, 1970. 1970. v+333-548 p. il.  
pt. 3-A. Efforts to organize, July 15, 1970. 1970. vi+549-870 p.
- 11140 Occupational safety and health act, 1970, hearings before Subcommittee on Labor, 91st Congress, 1st and 2d sessions, on S. 2193 and S. 2788. † ● Item 1043  
L.C. card 71-608099 Y 4.L 11/2: Sa 1/3/970/pt. (nos.)  
pt. 1. Sept. 30, 1969-Apr. 28, 1970. 1970. xi+1-1006 p. il.  
pt. 2. May 5, 1970. vi+1007-1790 p. il.
- 11141 Prescription drug legislation, hearings before Subcommittee on Health, 91st Congress, 2d session, on S. 3096, S. 3651, S. 3652, S. 3297, and related bills. Apr. 28 and 29, 1970. 1970. v+258 p. † ● Item 1043  
L.C. card 73-607823 Y 4.L 11/2: D 84/3

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available



*Post Office and Civil Service Committee, Senate*  
Washington, DC 20510

- 11142 Retirement credit for certain Federal-State employees, hearing before Subcommittee on Retirement, 91st Congress, 2d session, on S. 438 and S. 1610, May 25, 1970. 1970. iii+36 p. † ● Item 1044  
L.C. card 70-607892 Y 4.P 84/11: R 31/10/970

*Public Works Committee, Senate*  
Washington, DC 20510

- 11143 Air pollution, 1970, hearings before Subcommittee on Air and Water Pollution, 91st Congress, 2d session, on S. 3229, S. 3466, S. 3546. ● Item 1045  
L.C. card 76-607-821 Y 4.P 96/10: A1 7/970/pt. (nos.)  
pt. 1. Mar. 16-18, 1970. 1970. v+1-446 p. il. \* Paper, \$1.75.  
pt. 2. Mar. 19-23, 1970. 1970. iv+447-861 p. il. \* Paper, \$1.50.  
pt. 3. Mar. 24 and 25, 1970. 1970 v+863-1117 p il. \* Paper, \$1.25.
- 11144 Report on status of Federal-aid highway program, hearing before Subcommittee on Roads, 91st Congress, 2d session. Apr. 15, 1970. 1970. iv +192 p. il. 2 maps. † ● Item 1045  
L.C. card 75-607810 Y 4.P 96/10: H 53/27
- 11145 Resource recovery act of 1969, hearings before Subcommittee on Air and Water Pollution, 91st Congress, 2d session, on S. 2005. ● Item 1045  
L.C. card 77-604498 Y 4.P 96/10: 91-13/pt. (nos.)  
pt. 3. Feb. 20-25, 1970. 1970. iv+1419-1866 p. il. \* Paper, \$1.75.  
pt. 4. Feb. 26-Mar. 3, 1970. 1970. iv+1867-2178 p. il. \* Paper, \$1.25.  
pt. 5. Mar. 4-31, 1970. 1970. v+2179-2644 p. il. [Hearings held in Washington, D.C., and San Francisco, Calif.] \* Paper, \$1.75.
- 11146 Special bridge replacement program, hearing before Subcommittee on Roads, 91st Congress, 2d session, on S. 3242, May 18, 1970. 1970. iii+23 p. il. map † ● Item 1045  
L.C. card 70-607794 Y 4.P 96/10: B 76/8

*Rules and Administration Committee, Senate*  
Washington, DC 20510

- 11147 National Museum act amendment and Smithsonian Institution amendments, joint hearing before Subcommittee on Smithsonian Institution of Committee on Rules and Administration, Senate, and Subcommittee on Library and Memorials of Committee on House Administration, House, 91st Congress, 1st session, on S. 209, S. 706, S. 704, and H.R. 13791, Sept. 23, 1969. 1970. iii+57 p. † ● Item 1046 & 1018  
L.C. card 75-607774 Y 4.R 86/2: N 21 m

*Small Business, Select Committee on, Senate*  
Washington, DC 20510

- Competitive problems in drug industry, hearings before Subcommittee on Monopoly, 91st Congress, 2d session, on present status of competition in pharmaceutical industry.
- 11148 pt. 15. Oral contraceptives (v. 1), Jan. 14-23, 1970. 1970. vi+5921-6445 p. il. \* Paper, \$2.25. ● Item 1049  
L.C. card 67-62381 Y 4.Sm 1/2: D 84/pt 15
- Impact of franchising on small business, hearings before Subcommittee on Urban and Rural Economic Development, 91st Congress, 2d session.
- 11149 pt. 2. Mar. 30 [and] Apr. 24, 1970. 1970. vi+505-882 p. [Hearings held in New York, N.Y., and Washington, D.C.] \* Paper, \$1.50. ● Item 1049  
L.C. card 76-606299 Y 4.Sm 1/2: F 84/pt.2
- 11150 [This entry number not used.]

GOVERNMENT PUBLICATIONS

CONSUMER AND MARKETING SERVICE, Agriculture Dept.  
Washington, DC 20250

- C&MS (series). † A 88.40/2:(nos.)
- 11151 13. Fresh fruit and vegetable shipments by States, commodities, countries, stations, calendar year 1969. June 1970. 75 p. 4° (Fruit and Vegetable Division, Market News Branch.) ● Item 19-A  
L.C. card 74-803512
- 11152 14. Fresh fruit and vegetable shipments, by commodities, States, months, calendar year 1969. June 1970. 20 p. 4° (Fruit and Vegetable Division, Market News Branch.) ● Item 19-A  
L.C. card 57-60682
- 11153 82. Cotton testing service, tests available, equipment and techniques, and basis for interpreting results. May 1970. [2]+51 p. il. 4° ([Standards and Testing Branch], Cotton Division.) [Revision of AMS-16, Dec. 1963.]
- 11154 List of chemical compounds authorized for use under USDA poultry, meat, rabbit and egg products inspection programs. Revised Apr. 1970. [1970.] 165+A9 p. 4° (Consumer Protection Programs, Technical Services Division.) [List complete as of Apr. 1, 1970.] \* Paper, \$1.25. ● Item 107-B A 88.6: C 42/970
- 11155 Summary of major provisions in Federal milk marketing orders. Jan. 1, 1970. 68 p. il. 4° (Dairy Division.) †  
L.C. card 72-601922 A 88.2: M 59/29/970

COPYRIGHT OFFICE, Library of Congress  
Washington, DC 20540

- Catalog of copyright entries, 3d series, v. 22. \* Paper, \$50.00 a yr. (including issues of pts. 1-13); \$12.50 additional for foreign mailing.
- 11156 pt. 12-13. Motion pictures and filmstrips, no. 2; July-Dec. 1968. 1969. ix+65-125 p. 4° ● Item 800  
L.C. card 6-35347
- NOTE.—Parts 12-13 also sold separately on subscription. \* Paper, \$5.00 a yr., \$1.25 additional for foreign mailing; single copy \$2.50. LC 3.6/5: v.22 pt.12-13/no.2

CUSTOMS BUREAU, Treasury Dept.  
Washington, DC 20226

- 11157 124th set revised pages to customs regulations through Apr. 1970. 1970. [40] p. 4° [Includes amendments made by Treasury decisions 70-67 through 70-100; and correction on page CR-170. Issued in looseleaf form.] \* Paper, \$9.00 (including basic book and revised pages for an indefinite period); \$3.00 additional for foreign mailing. ● Item 948-A  
T 17.9: 969/rev.pages 124

DEFENSE DEPARTMENT  
Washington, DC 20301

- [Armed Forces Institute manual.]
- 11158 AO13. Go! developmental reading (C); by Josephine Bauer. 1968. [4]+vii+276 +[2] p. il. 4° [Artwork by Earl V. Fatterer, layout designer Arthur L. Grover, illustrator.] \* Paper \$2.50. D 1.10: AO 13
- Defense Supply Agency handbook DSAH (series). ● Item 314-A  
D 7.6/7:(nos.)
- 11159 4215.46. Industrial plant equipment handbook: FSC 3411, 3412, 3414, Boring machines, broaching machines, gear cutting and finishing machines. June 1970. cover title. v+331 p. 4° (SB 708-3400-7; [Navy Dept.] NAVSUP Pub 5549; [Air Force Dept.] AFM 78-51; [Marine Corps] MCO P4870.53) [Issued with perforations. Supersedes Federal supply classes 3411, 3412, and 3414 in DSAH 4215.3.] \* Paper, \$2.50.
- 11160 4215.47. Industrial plant equipment handbook: FSC 4910, Motor vehicle maintenance and repair shop specialized equipment. June 1970. cover title, v+41 p. 4° (SB 708-4910-1; [Navy Dept.] NAVSUP Pub. 5550; [Air Force Dept.] AFM 78-52; [Marine Corps] MCO P4870.54) [Issued with perforations.] \* Paper, 60c.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Defense Supply Agency manual DSAM (series). ● Item 314-A

- D 7.6/8: (nos.)
- 11161 4005.1. Industrial mobilization production planning manual. May 1970. cover title xvii+144 p. 4° [Issued with perforations. Supersedes DSAM 4005.1. Apr. 1963, and changes 1-7, DSAR 4005.1, Sept. 8, 1967, and change 1; DSAR 4005.2, June 28, 1968; and DSAR 4005.3, Mar. 19, 1969.] \* Paper, \$1.50.
- 11162 4130.2. Federal item identification guides (FIIG) improvement program procedures manual. Change 2. May 14, 1970. [56] p. 4° ([Army Dept.] AR 708-9, CH 2; [Navy Dept.] NAVSUP PUB 5001, CH 2; [Air Force Dept.] AFM 72-3, CH 2; [Marine Corps] MCO P4410.6B, CH 2.) [Issued in looseleaf form.] \* Paper, 55c.
- 11163 4215.1. Defense industrial plant equipment center operations. Change 5. May 25, 1970. [5] p. 4° ([Army Dept.] AR 700-43, CH 5; [Navy Dept.] NAVSUP PUB 5009, CH 5; [Air Force Dept.] AFM 78-1, CH 5; DSAH-SIB.) [Issued in looseleaf form.] \* Paper, 10c.
- DSA-DLSC handbook. (Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.)
- 11164 4160.1. Defense utilization and marketing handbook; supp. 19. May 1970. [9] p. 4° [Issued in looseleaf form.] † ● Item 314-A  
D 7.6/10: 4160.1/supp.19
- 11165 Federal item identification guides: Anodes. June 5, 1970. cover title, [66] p. il. 4° (FIIG A252; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 70c.  
● Item 314-A  
D 7.6/4: An 7
- 11166 — Antenna parts. June 26, 1970. cover title, [58] p. il. 4° (FIIG A120; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 70c. ● Item 314-A  
D 7.6/4: An 8/2
- 11167 — Ballasts and starters. July 10, 1970. cover title, [83] p. il. 4° (INTERIM FIIG T316; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, \$1.00. ● Item 314-A  
D 7.6/4: B 21
- 11168 — Brackets, Sept. 19, 1969. Change 2. June 5, 1970. [3] leaves, 4° (FIIG A042; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 10c. ● Item 314-A  
D 7.6/4: B 72/ch.2
- 11169 — Clothing and textile repair shop, mobile. May 29, 1970. cover title, [17] p. 4° (INTERIM FIIG T189; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 30c. ● Item 314-A  
D 7.6/4: C 62/2
- 11170 — Couplings. June 5, 1970. cover title, [58] p. il. 4° (FIIG A254; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 60c. ● Item 314-A  
D 7.6/4: C 83/2
- 11171 — Footwear. July 3, 1970. cover title, [56] p. il. 4° (INTERIM FIIG T175; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 65c. ● Item 314-A  
D 7.6/4: F 73
- 11172 — Lining and shoe, friction. July 3, 1970. cover title, [40] p. il. 4° (FIIG A230; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 50c. ● Item 314-A  
D 7.6/4: F 91
- 11173 — Strainer elements. June 5, 1970. cover title, [79] p. il. 4° (FIIG A098; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 70c. ● Item 314-A  
D 7.6/4: St 8/2
- 11174 — Stuffing materials and leather, Feb. 27, 1970. Change 1. May 29, 1970. [2] leaves 4° (FIIG T141; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 10c. ● Item 314-A  
D 7.6/4: St 9/2/ch.1

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 11175 Federal item identification guides: Surgical dressings. June 12, 1970. cover title, [51] p. 4° (FIIG T006; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 50c. ● Item 314-A D 7.6/4: Su 7/4
- 11176 — Surgical sutures. June 5, 1970. cover title, [45] p. il. 4° (FIIG A219; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 55c. ● Item 314-A D 7.6/4: Su 7/3
- 11177 — Taps, dies, and chasers; hand and machine. July 10, 1970. cover title, [79] p. il. 4° (FIIG A136; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, \$1.00. ● Item 314-A D 7.6/4: T 16
- 11178 — Trousers and shirts. July 10, 1970. cover title, [114] p. 4° (INTERIM FIIG T005; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, \$1.25. ● Item 314-A D 7.6/4: T 75
- Military handbook MIL-HDBK (series).
- 11179 5A. Metallic materials and elements for aerospace vehicle structures, Change notice 3. Dec. 1, 1968. [183] p. il. 4° (FSC 1500.) [Issued with perforations.] \* Paper, \$1.50. D 7.6/2: 5 A/ch.3
- Military standard MIL-STD (series). [Issued with perforations.]
- 11180 275-C. Printed wiring for electronic equipment. Jan. 9, 1970. iii+14 p. il. 4° (FSC 5999.) [Superseding MIL-STD 275B, Dec. 18, 1964.] † ● Item 314-J D 7.10: 275 C
- 11181 MILSTRIP, supp. 1, Routing identifier codes; June 1970. [1970.] [121] p. 4° (DOD 4140.17-M; Office of Assistant Secretary of Defense (Installations and Logistics).) [Issued in looseleaf form. Supersedes DoD 4140.17-M, supp. 1, May 15, 1966, and changes 1-2.] \* Paper, \$1.25. ● Item 314-A D 7.6/4: M 59/supp.1/rev.
- 11182 MILSTRIP, supp. 2, Military assistance program address directory, Oct. 1, 1969; Change 8. June 1, 1970. [80] p. 4° (DOD 4140.17-M; Defense Supply Agency.) [Issued in looseleaf form.] \* Paper, 70c. ● Item 314-A D 7.6/4: M 59/supp.2/rev.-3/ch.8
- 11183 — Change 9. July 1, 1970. [46] p. 4° (DoD 4140.17-M; Defense Supply Agency.) [Issued in looseleaf form.] \* Paper, 45c. ● Item 314-A D 7.6/4: M 59/supp.2/rev.-3/ch.9
- 11184 — Change 10. July 15, 1970. [83] p. 4° (DoD 4140.17-M; Defense Supply Agency.) [Issued in looseleaf form.] \* Paper, 75c. ● Item 314-A D 7.6/4: M 59/supp.2/rev.-3/ch.10
- Quality and reliability assurance handbook (H series).
- 11185 57. Procurement quality assurance for medical materiel, supp. B. Apr. 1970. cover title, vii+82 p. 4° (Office of Assistant Secretary of Defense (Installations and Logistics).) [Issued with perforations.] \* Paper, \$1.00. ● Item 314-A D 7.6/2: 57/supp.B

ECONOMIC DEVELOPMENT ADMINISTRATION, Commerce Dept.  
Washington, DC 20230

- 11186 Address by Joseph G. Hamrick, Deputy Assistant Secretary of Commerce for Economic Development Planning, scheduled for delivery at annual meeting of Coastal Area Planning and Development Commission, Brunswick, Ga., June 26, 1970. [1970.] 5 p. 4° † C 46.11: H 18/3
- 11187 Address by Joseph G. Hamrick, Deputy Assistant Secretary of Commerce for Economic Development Planning, scheduled for delivery at luncheon of Turnpike District Planning and Development Commission, June 24, 1970, Somerset, Pa. [1970.] 7 p. 4° † C 46.11: H 18
- 11188 How to improve your community by attracting new industry. Mar. 1970. 44 p. il. \* Paper, 35c. ● Item 130-C C 46.8: In 2/2

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

AUGUST 1970

- 11189 Remarks by Josph G. Hamrick, Deputy Assistant Secretary of Commerce for Economic Development Planning, scheduled for delivery at annual membership meeting of Somerset County Development Council, June 24 [1970], Silver Springs Mountain Resort, Somerset County, Pa. [1970.] 12 p. 4° † C 46.11 : H 18/2

ECONOMIC RESEARCH SERVICE, Agriculture Dept.  
Washington, DC 20250

- Agricultural economic reports. ● Item 42-C A 93.28 : (nos.)
- 11190 181. Economic analysis of Iowa rural renewal area; [by Area Analysis Branch, Economic Development Division]. [June 1970.] cover title, vi+54 p. il. 4° [Text on p. 2 of cover.] \* Paper, 65c.
- 11191 183. Focus for area development analysis, urban orientation of counties, May 1970, errata, June 1970. 1 p. 4° †
- 11192 185. Propensity for change among rural poor in Mississippi Delta, study of roots of social mobility [with list of literature cited; by C. Hobson Bryan and Alvin L. Bertrand]. [1970.] iv+22 p. 4° [Prepared in cooperation with Louisiana State Agricultural Experiment Station, Louisiana State University.] \* Paper, 80c.
- 11193 187. Alternative government rice programs, economic evaluation [with list of references; by Warren R. Grant and D. S. Moore]. [June 1970.] cover title, iv+55 p. il. 4° \* Paper, 60c. L.C. card 72-608209
- 11194 188. Economic aspects of dairying in Northeast; [by Floyd A. Lasley and Charles N. Shaw]. [July 1970.] cover title, ii+55 p. il. 4° [Text on p. 2 of cover.] \* Paper, 60c. L.C. card 74-608176
- 11195 Agricultural finance review, v. 31, June 1970. [1970.] ii+64 p. il. 4° (Farm Production Economics Division.) † ● Item 18-A A 93.9/10 : 31  
L.C. card 46-34980
- ERS (series).
- 11196 449. Marketing margins for selected dairy products and their substitutes; [by Herbert H. Moede]. [1970.] [1]+19-23 p. 4° (Marketing Economics Division.) [Reprinted from Marketing and Transportation Situation, May 1970.] † A 93.21 : 449  
L.C. card 71-608080
- Foreign agricultural economic report.
- 11197 62. World demand prospects for wheat in 1980, with emphasis on trade by less developed countries [with list of literature cited; by John E. Hutchison, James J. Naive, and Sheldon K. Tsu]. [July 1970.] cover title, vi+170 p. il. 4° [Text on p. 2 of cover.] \* Paper, \$1.50. ● Item 42-B A 93.27 : 62  
L.C. card 71-608119
- 11198 U.S. foreign agricultural trade by countries, calendar year 1969. May 1970. cover title, [4]+311 p. 4° ([Trade Statistics and Analysis Branch, Foreign Development and Trade Division.]) [Supplement to monthly Foreign agricultural trade of United States. Contents on p. 2 of cover.] † ● Item 42-E A 93.17/4 : 960-2

EDUCATION OFFICE, Health, Education, and Welfare Dept.  
Washington, DC 20202

- 11199 Adult basic education program statistics, students and staff data. July 1, 1968-June 30, 1969. [1970.] vi+37 p. 4° (OE-13037; National Center for Educational Statistics.) [Text on p. 2 of cover. At head of title on cover: Adult education.] \* Paper, 50c. ● Item 460-A-13 HE 5.213 : 13037  
L.C. card 74-602759
- 11200 Afro-Americans in Far West, handbook for educators; by Jack D. Forbes. [1970.] [5]+106 p. ([Far West Laboratory for Educational Research and Development.]) [Includes guide to resources and further reading. Text on p. 2 of cover.] \* Paper, 60c. ● Item 461-A (Rev. 1965) HE 5.6/2 : Af 8
- 11201 Announcement of \$600,000 environmental grant, Corporation for Public Broadcasting, remarks [by] James E. Allen, jr., Assistant Secretary for Education and Commissioner of Education, Washington, D.C., May 25, 1970. [1970.] 6 p. 4° † HE 5.8 : A1 53/27

ΦFor Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 11202 Child care and guidance, suggested post high school curriculum [with bibliographies; edited by Marion K. Stocker]. [1967, revised June 1970.] [1970.] vi+50 p. il. 4° (OE-87021-A). [Prepared under contractual arrangement with Pennsylvania State University.] \*Paper, 55c.  
● Item 460-A-87  
L.C. card 71-608135 HE 5.287 : 87021-A
- 11203 Directory of graduate deans at United States universities, 1872-1970; by John L. Chase. June 1970. [1]+47 p. 4° † ● Item 461 (Rev. 1965)  
L.C. card HEW 66-140 HE 5.2:D 34/872-970
- 11204 Directory, public elementary and secondary day schools 1968-69; v. 1, North Atlantic region; by Diane B. Gertler. [1970.] v+232 p. 4° (OE-20126, v. 1; National Center for Educational Statistics.) [At head of title on cover: Elementary and secondary education.] \*Paper, \$2.00. ● Item 460-A-20  
L.C. card 70-607482 HE 5.220 : 20126/v.1
- 11205 — v. 4, West and Southwest region and outlying areas; by Diane B. Gertler. [1970.] vi+316 p. 4° (OE-20126, v. 4; National Center for Educational Statistics.) [At head of title on cover: Elementary and secondary education.] \*Paper, \$2.50. ● Item 460-A-20  
L.C. card 70-607482 HE 5.220 : 20126/v.4
- 11206 Distribution of physical facilities among institutions of higher education grouped by level, control, and enrollment size, fall 1968; by Harold L. Dahnke and Paul F. Mertins. [1970.] iv+35 p. 4° (OE-51018; National Center for Educational Statistics.) [At head of title on cover: Higher education.] \*Paper, 45c. ● Item 460-A-51  
L.C. card 73-608086 HE 5.251 : 51018
- 11207 Do teachers make a difference? report on recent research on pupil achievement [papers, with lists of references]. [1970.] v+181 p. il. (OE-58042; Bureau of Educational Personnel Development.) \*Paper, 75c. ● Item 460-A-58  
L.C. card 72-608040 HE 5.258 : 58042
- 11208 Does anybody hear? address by James E. Allen, jr., Assistant Secretary for Education and U.S. Commissioner of Education, before annual commencement exercises at University of Notre Dame, Ind., June 7, 1970. [1970.] 19 leaves, 4° † HE 5.8 : A1 53/25
- 11209 Education 1970, new chance to reform, address by Terrel H. Bell, Acting U.S. Commissioner of Education, Department of Health, Education, and Welfare, before annual banquet of Education Commission of the States, Denver, Colo., July 10, 1970. [1970.] 12 leaves, 4° † HE 5.8 : B 41
- 11210 Education professions development act, facts about programs for 1971-72, EPDA pts. B, C, D, and F. June 1970. iii+44 p. 4° ([OE-58030-72]; Bureau of Educational Personnel Development.) † ● Item 460-A-58  
HE 5.258 : 58030-72
- 11211 Educational system of Yugoslavia [with selected reading list; compiled by Nellie Apanasewicz in collaboration with Seymour M. Rosen]. [1970.] 10 p. il. 4° ([OE-14147]; Education around the world; Institute of International Studies.) \*Paper, 15c. ● Item 460-A-14  
L.C. card 72-608103 HE 5.214 : 14117
- 11212 El progreso de la instrucción publica en los Estados Unidos de America, 1968-69, informe para 32d Conference Internacional sobre Educación Pública, patrocinada por la Organización de las Naciones Unidas para la Educación, la Ciencia y la Cultura, Oficina Internacional de Educación. [1970.] [4]+54 p. il. 4° ([OE-10005-69D]; Instituto de Estudios Internacionales.) \*Paper, 60c. HE 5.210 : 10005-69D
- 11213 Elementary program in compensatory education 2: After school study centers, New York City. [Revised June 1970.] [1970.] [5]+12 p. il. 4° ([OE-37036-A; It works.]) [Includes list of quoted sources.] \*Paper, 25c. ● Item 460-A-37  
L.C. card 70-601321 HE 5.237 : 37036-A

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

AUGUST 1970

- 11214 — Elementary reading centers, Milwaukee, Wis. [Feb. 1969, revised June 1970.] [1970.] [5]+7 p. 4° ([OE-37031-A]; It works.) [Includes quoted sources.] \* Paper, 15c. ● Item 460-A-37  
L.C. card 70-601321 HE 5.237: 37031-A
- 11215 — Intensive reading instructional teams, Hartford, Conn. [Feb. 1969; revised June 1970.] [1970.] [5]+12 p. il. 4° ([OE-37038-A]; It works.) [Includes list of quoted and unquoted sources.] \* Paper, 25c. ● Item 460-A-37  
L.C. card 70-601321 HE 5.237: 37038-A
- 11216 — More effective schools, New York City. [Feb. 1969, revised June 1970.] [1970.] [5]+34 p. 4° ([OE-37042-A]; It works.) [Includes list of quoted and unquoted sources.] \* Paper, 35c. ● Item 460-A-37  
L.C. card 70-601321 HE 5.237: 37042-A
- 11217 — Project Concern, Hartford, Conn. [Feb. 1969, revised June 1970.] [1970.] [5]+14 p. 4° ([OE-37030-A]; It works.) [Includes list of quoted sources.] \* Paper, 20c. ● Item 460-A-37  
L.C. card 70-601321 HE 5.237: 37030-A
- 11218 — School and home program, Flint, Mich. [1970.] [5]+12 p. 4° ([OE-37023-A]; It works.) [Includes list of quoted and unquoted sources.] \* Paper, 20c. ● Item 460-A-37  
L.C. card 70-601321 HE 5.237: 37023-A
- 11219 — Speech and language development program, Milwaukee, Wis. [Feb. 1969, revised June 1970.] [1970.] [5]+16 p. 4° ([OE-37028-A]; It works.) [Includes list of quoted sources.] \* Paper, 20c. ● Item 460-A-37  
L.C. card 70-601321 HE 5.237: 37028-A
- 11220 Elementary-secondary program in compensatory education 3: Communication Skills Center Project, Detroit, Mich. [Feb. 1969, revised June 1970.] [1970.] [5]+11 p. 4° ([OE-37039-A]; It works.) [Includes one quoted source.] \* Paper, 25c. ● Item 460-A-37  
L.C. card 73-601322 HE 5.327: 37039-A
- 11221 [Elementary teacher education program] feasibility study: Behavioral science teacher education program. [Jan. 1970.] x+417 p. (Bureau of Research.) [Final report, project 320424, contract OEC-0-9-320424-4042 (010) with Michigan State University, East Lansing, Mich.] \* Paper, \$5.25. ● Item 461 (Rev. 1965)  
HE 5.87: B 39
- 11222 — Feasibility of educational specifications for Ohio comprehensive elementary teacher education program, phase 2 [with bibliography]. [Jan. 1970.] xx+883 p. 4° [Final report project OE-90415, contract number OEC-0-9-45-415-4045 (010) with University of Toledo.] \* Paper, \$6.25. ● Item 461 (Rev. 1965)  
HE 5.87: Oh 3
- 11223 — Feasibility of Georgia educational model for teacher preparation, elementary; editors, Charles E. Johnson, Gilbert E. Shearron. Jan. 1970. (National Center for Educational Research and Development.) [Final report, project 9-0477, contract OEC-0-9-200477-4043, with University of Georgia, Athens, Ga.] ● Item 461 (Rev. 1965)  
HE 5.87: G 29/v. (nos.)  
v. 1. Basic report [with lists of references]. xxv+323 p. il. 4° \* Paper, \$2.75.  
v. 3. Job descriptions [with list of references]. iv+199 p. 4° \* Paper, \$1.75.
- 11224 — Florida State University model for preparation of elementary school teachers [with list of references; by] Norman R. Dodl. [Jan. 1970.] xi+203 p. 4° (National Center for Educational Research and Development.) [Final report contract OEC-0-9-190504-4404 (010) with Florida State University, Tallahassee, Fla.] \* Paper, \$2.00. ● Item 461 (Rev. 1965)  
HE 5.87: F 66

GOVERNMENT PUBLICATIONS

- 11225 — Model elementary teacher education program, phase 2 [with bibliographies]. Jan. 1, 1970. xii+[1]+620 p. 4° (National Center for Educational Research and Development.) [Final report contract OEC-0-9-310417-4040 (010) with University of Massachusetts, Amherst, Mass.] \* Paper, \$4.50. ● Item 461 (Rev. 1965)  
HE 5.87 : M 72/2
- 11226 — Plan for managing development, implementation and operation of model elementary teacher education program; edited by H. Del Schalock, Bert Y. Kersh, Larry L. Horyna. Feb. 1970. (National Center for Educational Research and Development.) [Final report, project 9-0506, contract OEC-0-9-470506-4039 (010) with Oregon College of Education, Monmouth, Oreg.] ● Item 461 (Rev. 1965)  
HE 5.87 : M 72/v.1,2  
v. 1. Report of the project. [1]+xxv+248+[16] p. il. 4° \* Paper, \$2.50.  
v. 2. Appendices [with bibliographies]. [4]+239+[16] p. il. 4° \* Paper, \$2.25.
- 11227 — Study of feasibility of refined Syracuse University specifications for comprehensive undergraduate and inservice teacher education program for elementary teachers. Jan. 1970. cover title, xvii+349 p. il. 4° (National Center for Educational Research and Development.) [Final report, project 9-0422, contract OEC-0-9-420422-4041 (010), with Syracuse University Protooperative, Syracuse, N.Y.] \* Paper, \$3.00. ● Item 461 (Rev. 1965)  
HE 5.87 : Sy 8
- 11228 — Wisconsin elementary teacher project. Jan. 1970. (National Center for Educational Research and Development.) [Final report, project 9-0421, contract OEC-0-9-590421-4046, with University of Wisconsin, Madison, Wis.] ● Item 461 (Rev. 1965)  
L.C. card 79-607838  
HE 5.87 : W 75/v.5,6  
v. 5. Program and support systems [with list of references]. cover title, xxi+417 p. il. 4° \* Paper, \$3.50.  
v. 6. Pricing and economic analysis. xv+194 p. 4° \* Paper, \$2.00.
- 11229 Graduate teaching assistants in American universities, review of recent trends and recommendations; by John L. Chase. [May 1970.] iii+[1]+70 p. (OE-58039.) \* Paper, 40c. ● Item 460-A-58  
L.C. card 75-608101  
HE 5.258 : 58039
- 11230 Higher education, basic student charges, 1968-69. [1970.] 8 p. 4° ([OE-52005-69]; National Center for Educational Statistics.) \* Paper, 10c. ● Item 460-A-52  
HE 5.252 : 52005-69
- 11231 Higher education reports for information of participants in Bureau of Higher Education programs. June 1, 1970. 8 p. 4° (Bureau of Higher Education.) † ● Item 462-A  
HE 5.81 : 970
- 11232 How Office of Education assists college student and colleges; compiled by Bureau of Higher Education. [1966, revised 1970.] [1970.] viii+67 p. 4° ([EO-55051-70.]) [Includes list of OE publications on higher education and sources of information on guaranteed student loans.] \* Paper, 70c. ● Item 460-A-55  
L.C. card 76-605354  
HE 5.255 : 55051-70
- 11233 Idea, June 1970. [1970.] cover title, 20 p. il. 4° ([OE-50059: Bureau of Higher Education, Division of Student Special Services.]) [Published for information of participants in Upward Bound Talent Search, and Student Special Services programs of Division of Student Special Services. Text and other illustrations on p. 1-4 of cover.] † ● Item 460-A-50  
HE 5.250 : 50059/970
- 11234 Inventory of vocational education statistics available in Federal agencies; by Evelyn R. Kay. [May 1970.] vii+59 p. 4° (OE-80069; National Center for Educational Statistics.) [At head of title on cover: Vocational education.] \* Paper, 65c. ● Item 460-A-80  
L.C. card 71-608143  
HE 5.280 : 80069

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available



## AUGUST 1970

- 11235 Les progres de l'instruction publique aux Etats-Unis d'Amerique 1968-69, rapport à la 32d Conference Internationale de l'Instruction publique, sous les auspices de l'Organisation des Nations Unies pour l'Education, la Science et la Culture, et du Bureau international de l'Education. [1970.] vi+50 p. il. 4° \* Paper, 55c. (incorrectly given in publication as 35c.)  
HE 5.210 : 10005-69 B
- 11236 Muses revisited, address by James E. Allen, jr., Assistant Secretary for Education and U.S. Commissioner of Education, before National Conference of Associated Councils of Arts, St. Louis, Mo., May 22, 1970. [1970.] 18 leaves, 4° †  
HE 5.8 : A1 53/26
- 11237 Preschool program in compensatory education 1: Perry Preschool Project, Ypsilanti, Mich. Revised June 1970. [1970.] [5]+16 p. 4° ([OE-37035-A; It works.]) [Includes list of quoted sources.] \* Paper, 20c.  
L.C. card 73-601219 HE 5.237 : 37035-A
- 11238 — Preschool program, Fresno, Calif. [Feb. 1969, revised June 1970.] [1970.] [5]+13 p. 4° ([OE-37034-A; It works.]) [Includes list of quoted sources.] \* Paper, 25c. ● Item 460-A-37  
● Item 460-A-37  
L.C. card 73-601219 HE 5.237 : 37034-A
- 11239 Programs in 2-year colleges to up-grade employees of business and industry, [paper] by Grant Venn, Associate Commissioner for Adult, Vocational, and Library Programs, Office of Education, presented at conference on occupational-oriented programs in two-year colleges, jointly sponsored by American Educational Publishers' Institute and American Association of Junior Colleges, Miami, Fla., Dec. 5, 1969. [1970.] [1]+16 p. 4° †  
● Item 455-C HE 5.8 : V 50/2
- 11240 Progress of public education in United States of America, 1968-69, report for 32d International Conference on Public Education, sponsored by United Nations Educational, Scientific and Cultural Organization, International Bureau of Education [Russian edition]. [1970.] [4]+58 p. il. 4° ([OE-10005-69C]; Institute of International Studies.) \* Paper, 60c.  
L.C. card E56-120 HE 5.210 : 10005-69 C
- 11241 Science and mathematics books for elementary and secondary schools, bibliography based on acquisitions of Educational Materials Center, Feb. 1970; [compiled by Lois B. Watt, Delia Goetz, and Eunice von Ende]. [May 1970.] cover title, iv+19 p. 4° ([EO-29071]; National Center for Educational Communication.) [Text on p. 3 of cover.] \* Paper, 30c.  
● Item 460-A-29  
L.C. card 74-608070 HE 5.229 : 29071
- 11242 Secondary program in compensatory education 4: College bound program, New York City. [Revised June 1970.] [1970.] [5]+8 p. 4° ([OE-37032-A; It works.]) [Includes list of quoted sources.] \* Paper, 15c. ● Item 460-A-37  
HE 5.237 : 37032-A
- 11243 — Junior high summer institutes, New York City. [Feb. 1969, revised June 1970.] [1970.] [5]+13 p. 4° ([OE-37026-A; It works.]) [Includes list of quoted sources.] \* Paper, 20c. ● Item 460-A-37  
L.C. card 77-601323 HE 5.237 : 37026-A
- 11244 — Project R-3, San Jose, Calif. [Feb. 1969, revised June 1970.] [1970.] [5]+16 p. 4° ([EO-37040-A; It works.]) [Includes quoted sources.] \* Paper, 20c. ● Item 460-A-37  
L.C. card 77-601323 HE 5.237 : 37040-A
- 11245 Statistics of local public school systems, Fall, 1968, schools, pupils, and staff; by Gerald Kahn and Warren A. Hughes. [Mar. 1970.] vii+146 p. 4° (OE-20112-68; National Center for Educational Statistics.) [At head of title on cover: Elementary and secondary education. Includes list of related NCES publications.] \* Paper, \$1.25. ● Item 460-A-20  
L.C. card 71-603025 HE 5.220 : 20112-68

♠For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 39

## GOVERNMENT PUBLICATIONS

- 11246 3d report, National Advisory Council on Vocational Education, vocational education amendments of 1968, Public law 90-576, July 10, 1970. [1970.] cover title, [3]+9 p. 4° † ● Item 462-B  
L.C. card 68-62722 HE 5.85 : 970
- 11247 Urban universities, rhetoric, reality, and conflict; by Organization for Social and Technical Innovation. [1970.] vi+65 p. 4° (OE-50062; Bureau of Higher Education.) \* Paper, 65c. ● Item 460-A-50  
L.C. card 77-608087 HE 5.250 : 50062

### ENGINEERS CORPS (Army), Defense Dept.

NOTE.—Orders or requests for publications of the Engineers Corps, other than those sold by the Superintendent of Documents or by offices of the Engineers Corps in other cities, should be addressed to Chief of Engineers, U.S. Army, Washington, DC 20310, Attention Publications Office.

- 11248 Blue River vicinity of Kansas City, Mo. and Kans., letter from chief of engineers, Army, submitting report; May 4, 1970. 1970. xxix+183 p. il. 4° [Also issued as H. doc. 332, 91st Cong., 2d sess.] † ● Item 334-A  
D 103.22 : B 62
- Coastal Engineering Research Center : Technical memorandum.
- 11249 31. Measuring directional velocity in water waves with acoustic flowmeter; by R. H. Multer. Apr. 1970. iv+27+[5] p. il. 4° † (limited distribution), U.S. Coastal Engineering Research Center, 5201 Little Falls Road NW, Washington, DC 20016 D 103.42 : 31
- Cold Regions Research and Engineering Laboratory, Hanover, N.H.: Research report. † D 103.33/3 : (nos.)
- 11250 121. Ice fog, low temperature air pollution [with list of literature cited; by] Carl S. Benson. June 1970. v+118 p. il. 4° (Grant DA-ENG-11-190-61-G3, grant DA-ENG-27-021-62-G5, grant DA-AMC-27-021-68-G8.)
- 11251 274. Phase boundary water in frozen soils [with list of literature cited; by] Duwayne M. Anderson. May 1970. iii+20 p. il. 4° (DA task 1T061102B52A02.)
- 11252 287. Shock effects on frozen materials, exploding wire experiments [with list of literature cited; by] James L. Smith. June 1970, iv+13 p. il. 4° (DA task 1T062112A13001.)
- 11253 Mobile Harbor, Ala. (Theodore Ship Channel), letter from chief of engineers, Army, submitting report; May 6, 1970. 1970. xvii+138 p. il. 2 pl. 4° [Also issued as H. doc. 335, 91st Cong. 2d sess.] † ● Item 334-A  
D 103.22 : M 71/2

#### Waterways Experiment Station.

NOTE.—Unless otherwise indicated, publications of Waterways Experiment Station may be ordered from Corps of Engineers, U.S. Army, Waterways Experiment Station, Vicksburg, Miss. (price upon application).

#### Waterways Experiment Station: Instruction report.

- 11254 S-70-2. Criteria for inspection, evaluation, classification, and reuse of used airfield landing mat; by P. J. Vedros, D. N. Brown. Army-MRC Vicksburg, Miss., May 1970. [90] p. il. 4° [Sponsored by Office, Chief of Engineers, Army.] † D 103.24/7 : S-70-2

#### Waterways Experiment Station: Technical reports.

D 103.24/2 : (letters-nos.)

- 11255 C-69-3. Expedient reinforcement for concrete for use in southeast Asia : report 2, Preliminary tests of barbed wire, concertina wire, wire rope, landing mat, and landing mat tie bars [with list of literature cited]; by F. B. Cox, H. G. Geymayer. Army-MRC, Vicksburg, Miss., Mar. 1970. [132] p. il. 4° [Sponsored by Office, Chief of Engineers, Army.] †
- 11256 H-70-5. Wave action and breakwater location, Vermillion Harbor, Ohio, hydraulic model investigation [with list of literature cited]; by C. W. Brasfield. Army-MRC Vicksburg, Miss., May 1970. [52] p. il. 4° [Sponsored by U.S. Army Engineer District, Buffalo.] †
- 11257 H-70-7. Spillway and outlet works, Rowlesburg Dam, Cheat River, W. Va., hydraulic model investigation; by J. H. Ables, jr., M. B. Boyd. Army-MRC Vicksburg, Miss., June 1970. [86] p. il. 4° [Sponsored by U.S. Army Engineer District, Pittsburgh.] †
- 11258 N-70-6. Dynamic response of model buried field shelter, Project LN314, Operation Prairie Flat, Mar. 1970, Errata. June 16, 1970. [3] leaves, 4° †

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

ENVIRONMENTAL CONTROL ADMINISTRATION, Health, Education,  
and Welfare Dept., Rockville, MD 20852

Community environmental management series.

- 11259 Housing code administration and enforcement; [by] Spencer Parratt. 1970. xiv+182 p. 4° ([Public Health Service publication 1999]; Bureau of Community Environmental Management.) \* Paper, \$1.50. ● Item 468-A-7 L.C. card 77-608107 HE 20.1117: H 81/2
- 11260 Incinerator guidelines, 1969 [with list of references; by] Jack DeMarco [and others]. 1969. vii+98 p. il. 4° ([Public Health Service publication 2012]; Bureau of Solid Waste Management.) \* Paper, \$1.00. ● Item 468-A-2 L.C. card 71-607217 HE 20.1108: In 2/969

ENVIRONMENTAL HEALTH SERVICE, Health, Education, and Welfare  
Dept., Washington, DC 20204

- 11261 Air pollution. [May 1, 1970.] 4 p. † ● Item 499-E-2 HE 20.1002: A17 Analytical Reference Service report.
- 11262 38. Water pesticides, no. 3 [with bibliographies; by] Bernard J. Moorman and Earl F. McFarren. 1970. xv+66 p. ([Public Health Service publication 2052]. † ● Item 483-F HE 20.1113: 38
- 11263 Public advisory committees, authority, structure, functions, members. Apr. 1970. vii+75 p. ([Public Health Service publication 2008]; Office of Intergovernmental Affairs, Committee Management Staff.) † ● Item 499-E L.C. card 62-61159 HE 20.1009: 970

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION,  
Commerce Dept., Washington, DC 20235

- Climatology of United States 60-nos. Climates of States. (Environmental Data Service.) ● Item 273-B C 30.71/3: (nos.)
- 11264 31. North Carolina [with bibliographies; by] Albert V. Hardy. Feb. 1960, revised June 1970. [1970.] 21 p. il. 4° \* Paper, 30c.
- 11265 34. Oklahoma [with bibliographies; by] Billy R. Curry. Jan. 1960, revised June 1970. [1970.] 17 p. il. 4° \* Paper, 30c.
- 11266 38. South Carolina [with bibliographies; by] H. Landers. Dec. 1959, revised June 1970. [1970.] 19 p. il. 4° \* Paper, 30c.
- ESSA technical memorandum. (Research Laboratories: National Severe Storms Laboratory, Norman, Okla.)
- 11267 ERLTM-NSSL 45. On relationship between horizontal moisture convergence and convective cloud formation [with list of references; by] Horace R. Hudson. Mar. 1970. x+29 p. il. 4° † Paper, \$3.00 C 52.15/2: ERLTM-NSSL 45
- 11268 ERLTM-NSSL-46. Severe thunderstorm radar echo motion and related weather events hazardous to aviation operations [with list of references; by] Peter A. Barclay [and] Kenneth E. Wilk. June 1970. iii+63 p. il. 4° † Paper, \$3.00. C 52.15/2: ERLTM-NSSL 46
- ESSA technical memorandum. (Weather Bureau, Office of Hydrology, Silver Spring, Md.)
- 11269 WBTM HYDRO 11. Joint probability method of tide frequency analysis applied to Atlantic City and Long Beach Island, N.J. [with list of references; by] Vance A. Myers. Apr. 1970. v+109 p. il. 4° [Part of study by ESSA for Federal Insurance Administration, Department of Housing and Urban Development, under National flood insurance act of 1968.] † Paper, \$3.00. C 52.15/2: WBTM-HYDRO 11
- ESSA technical memorandum. (Weather Bureau: Office of Meteorological Operations, Weather Analysis and Prediction Division, Silver Spring, Md.)
- 11270 WBTM FCST 15. Weather Bureau forecast verification scores 1968-69 and some performance trends since 1966 [with list of references; by] Robert G. Derouin and Geraldine F. Cobb. May 1970. [3] +47 p. il. 4° † Paper, \$3.00. C 52.15/2: WBTM FCST-15

## GOVERNMENT PUBLICATIONS

- ESSA technical memorandum. (Weather Bureau, Space Operations Support Division, Silver Spring, Md.)
- 11271 WBTM SOS 6. Frequency and duration of thunderstorms at Cape Kennedy, pt. 2: Application to forecasting [with list of references; by] Charles J. Neumann. May 1970. iii+63 p. il. 4° [Prepared by Miami section of Space-flight Meteorology Group.] \* Paper, \$3.00. C 52.15/2: WBTM SOS 6
- ESSA technical report. (ESSA Research Laboratories: Atlantic Oceanographic and Meteorological Laboratories, Miami, Fla.)
- 11272 ERL 164-AOML 1. Correlation of movements in western north Atlantic [with list of references; by] Donald V. Hansen, May 1970. [3]+19 p. il. 4° \* Paper, 30c. ● Item 208-B-7 C 52.15: ERL 164-AOML 1
- ESSA technical reports. (Research Laboratories; Institute for Telecommunication Sciences, Boulder, Colo.) ● Item 208-B-7 C 52.15: ERL-ITS (nos.)
- 11273 ERL 161-ITS 103. Analysis of shunt-fed, log-period monopole antenna [with bibliography; by] Pitt Willis Arnold. Mar. 1970. viii+60 p. il. 4° \* Paper, 65c.
- 11274 ERL 163-ITS 105. Ground wave propagation in ionized atmosphere with arbitrary variation of conductivity with altitude [with list of references; by] J. Ralph Jobler. Mar. 1970. iv+24 p. il. 4° \* Paper, 35c.
- ESSA technical report. (ESSA Research Laboratories: Space Disturbances Laboratory, Boulder, Colo.)
- 11275 ERL 153-SDL 12. Observations of ionospheric disturbances in Antarctica during 1968 [with list of references; by] John E. Jones. Feb. 1970. iii+31 p. il. 4° \* Paper, 40c. ● Item 208-B-7 C 52.15: ERL 153-SDL 12
- ESSA technical report. (Weather Bureau.)
- 11276 WB-12. Weekly synoptic analysis, 5-, 2-, and 0.4-millibar surfaces for 1967, based on meteorological rocketsonde and high level rawinsonde observations [with list of references; by] Staff, Upper Air Branch, National Meteorological Center, Hillcrest Heights, Md. Jan. 1970. iii+169 p. il. 4° [Prepared with support of National Aeronautics and Space Administration under contract P-40346 (G).] \* Paper, \$1.50. ● Item 208-B-7 C 52.15: WB-12
- Key to meteorological records documentation.
- 11277 5.320. Catalog of meteorological satellite data, ESSA 7 television cloud photography, Oct. 1-Dec. 31, 1968. [with list of references]. 1970. [21+21 p. il. 186 p. of pl. 4° (Environmental Data Service.) \* Paper, \$2.00. ● Item 275-C C 30.66/2: 5.320
- 11278 The other wire. [1970.] [6] p. il. oblong 16° ([ESSA/PI 700019.]) † ● Item 208-B-1 C 52.2: W 74

### FARM CREDIT ADMINISTRATION Washington, DC 20578

- 11279 Farm and credit outlook for 1970. Mar. 1970. cover title, 11 p. 4° (Economic Research Division.) [Text on p. 1-2 of cover.] † FCA 1.24: 970

### FARMERS HOME ADMINISTRATION, Agriculture Dept. Washington, DC 20250

- 11280 Build our American communities, community development program for high school and young adult groups [with lists of references]. June 1970. cover title, vii+119 p. il. 4° † ● Item 68 A 84.2: C 73/2  
L.C. card 76-608163

### FEDERAL AVIATION ADMINISTRATION, Transportation Dept. Washington, DC 20553

- 11281 Acceptable methods, techniques, and practices: Aircraft alterations, Change 8, 1965, reprinted May 1969. cover title, [20] p. il. 4° (Advisory circular 43.13-2, ch. 8.) [Effective Oct. 29, 1969. Issued in looseleaf form.] \* Paper, \$2.00 (including basic book and supplementary material for an indefinite period); 50c additional for foreign mailing. ● Item 431-F-6 TD 4.28: 969/ch.8

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

AUGUST 1970

- 11282 Air traffic patterns for IFR and VFR aviation, calendar year 1969; [by Theodore Dalbow]. [1970.] cover title, v+151 p. 4° (Office of Management Systems.) † ● Item 431-C-1  
L.C. card 78-601996 TD 4.19/2: 969
- 11283 Airman's information manual: pt. 4, Graphic notices and supplemental data, July-Dec. 1970. [1970.] cover title, [3]+iv+55 p. il. 4° [Semi-annual. Issued with perforations.] \* Paper, \$1.50 a yr., 50c. additional for foreign mailing. ● Item 431-C-5  
L.C. card 78-602583 TD 4.12: pt.4/970-2
- 11284 Federal aviation regulations, v. 3. Dec. 1969 [published 1970]. cover title, [434] p. il. 4° [Issued in looseleaf form.] \* Paper, \$5.50 (including basic volume and supplementary material for an indefinite period); \$1.50 additional for foreign mailing. ● Item 431-C-13  
Includes—Part 23. Airworthiness standards, normal, utility, and acrobatic category airplanes—Part 25. Airworthiness standards, transport category airplanes—Part 36, Noise standards, aircraft type certification TD 4.6/3: v.3  
Handbooks. † ● Item 431-C-4 TD 4.8/2: (nos.)
- 11285 7400.2A. Procedures for handling airspace matters. July 1, 1970. cover title, [128] p. il. 4° [Issued with perforations. Cancels Handbook 7400.2.]
- 11286 8260.3A. United States standard for terminal instrument procedures (TERPS). [2d edition.] Feb. 6, 1970. [167] p. il. 4° (Army Dept. TM 11-2357-26; Navy Dept. OPNAV Inst. 3722.16B; Air Force Dept. AFM 53-9; Coast Guard manual CG 315.) [Issued in looseleaf form. Cancels Handbook 8260.3.] † Manager of Headquarters Operations, Federal Aviation Administration, 800 Independence Avenue, S.W., Washington, DC 20580 (price upon application).
- 11287 8260.19. Flight procedures and airspace. Feb. 16, 1970. cover title, [49] p. il. 4° [Issued in looseleaf form. Cancels order 8260.6A, Standard instrument approach procedure (SIAP) data transmittal system, Nov. 6, 1967.]
- 11288 In these hands, story of Federal air traffic control system, and crews who man this vast network 24 hours a day. [July 1970.] [6] p. il. 4° † ● Item 431-C-8 TD 4.2: H 19
- 11289 Planning airport industrial park [with bibliography of reference material]. [1970.] cover title, [1]+ii+27+30 p. il. 4° ([Advisory circular AC 150/5070-3. effective Sept. 30, 1965.]) [Issued with perforations.] † ● Item 431-C-4 TD 4.8: A1 7/20
- 11290 Summary of airworthiness directives for large aircraft. [Jan. 1, 1970.] cover title, [681] p. il. 4° ([Federal aviation regulations, pt. 39, v. 2.]) [Incorporates all current airworthiness directives through Dec. 1969. Issued in looseleaf form. Some pages issued as leaves.] \* Paper, \$5.50 (including basic manual and quarterly supplements for an indefinite period); \$1.25 additional for foreign mailing. ● Item 431-A-15  
TD 4.10/3: 970
- 11291 Summary of airworthiness directives for small aircraft. Jan. 1, 1970. cover title, [605] p. il. 4° ([Federal aviation regulations, pt. 39, v. 1.]) [Issued in looseleaf form.] \* Paper, \$5.00. ● Item 431-A-15 TD 4.10/2: 970

FEDERAL BUREAU OF INVESTIGATION, Justice Dept.  
Washington, DC 20530

- 11292 Know your FBI. [1970.] [2]+24+[1] p. il. 4° † ● Item 721  
J 1.14/2: F 31/2/970

FEDERAL COMMUNICATIONS COMMISSION  
Washington, DC 20554

- 11293 Address by Dean Burch, Chairman, Federal Communications Commission, before annual convention of National Cable Television Association, Inc., Chicago, Ill., June 10, 1970. [1970.] [1]+5 p. 4° † CC 1.15: B 89/4

ΦFor Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 11294 Federal Communications Commission reports, cumulative index digest of decisions and reports, July 7, 1965-Jan. 17, 1969, v. 1-15, 2d series. 1969 [published 1970]. iii+1663 p. \* Cloth, \$7.50 ● Item 284  
L.C. card 36-26605 CC 1.12/2: 1-15/ind.
- 11295 Federal Communications Commission reports, decisions and reports: v. 13, 2d series, June 14-July 26, 1968. 1970. xxvii+1067 p. il. \* Cloth, \$6.00. ● Item 284  
L.C. card 36-26605 CC 1.12/2: 13
- 11296 — v. 14, 2d series, Aug. 2-Nov. 8, 1968. 1969. xxxii+1168 p. \* Cloth, \$6.25. ● Item 284  
L.C. card 36-26605 CC 1.12/2: 14
- 11297 — v. 15, 2d series, Nov. 15, 1968-Jan. 31, 1969. 1969 [published 1970]. xxvii+1098 p. \* Cloth \$6.00. ● Item 284  
L.C. card 36-26605 CC 1.12/2: 15

FEDERAL COUNCIL FOR SCIENCE AND TECHNOLOGY  
Washington, DC 20506

- 11298 Directory of Federally supported Information Analysis Centers. Jan. 1970, sponsored by Panel 6, Information Analysis and Data Centers. [1]+x+71 p. 4° (COSATI-70-1 PB 189 300; Committee on Scientific and Technical Information.) † Paper, \$3.00.  
L.C. card 73-606266 Y 3.F 31/16: 2 In 3/2

FEDERAL CROP INSURANCE CORPORATION, Agriculture Dept.  
Washington, DC 20250

- 11299 Annual report, Federal Crop Insurance corporation, 1969. [Apr. 1970.] [3]+42 p. il. 4° † ● Item 70 (Rev. 1970)  
L.C. card Agr 40-30 A 62.1: 969

FEDERAL DEPOSIT INSURANCE CORPORATION  
Washington, DC 20429

- 11300 Changes among operating banks and branches, 1969. [1970.] [2]+xxii+132 p. 4° †  
L.C. card 67-62215 Y 3.F 31/8: 2 B 22/6/969
- 11301 Operating banking offices as of Jan. 1, 1970. [1970.] iv+572 p. 4° [Contains listing of all operating banking offices in United States and in Virgin Islands, Puerto Rico, American Samoa, Panama Canal Zone, Guam, and other Pacific Islands.] †  
L.C. card 49-46567 Y 3.F 31/8: 18/970

FEDERAL EXTENSION SERVICE, Agriculture Dept.  
Washington, DC 20250

- 11302 Horse show management guidelines. [Jan. 1970.] cover title, [1]+25 p. il. 4° [Prepared in cooperation with National Horse and Pony Youth Activities Council.] † ● Item 61-B A 43.16/2: H 78

FEDERAL HOME LOAN BANK BOARD  
Washington, DC 20552

- 11303 Annotated manual of statutes and regulations, supp. 8. July 1970. [57] p. 4° [Issued in looseleaf form.] \* Paper, \$9.00 (including basic manual and supplementary material for an indefinite period); \$2.50 additional for foreign mailing. ● Item 597  
L.C. card 70-606344 FHL 1.6/2: St 2/supp.8

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

FEDERAL HOUSING ADMINISTRATION, Housing and Urban  
Development Dept., Washington, DC 20411

- 11304 Area trends, supplement to FHA trends, sec. 203 Home mortgages insured by FHA, 4th quarter, 1969. [Apr. 30, 1970.] 8 p. 4° (RR 250M; Housing Production and Mortgage Credit, Division of Research and Statistics, Statistics Branch.) † HH 2.24/3: 969/2
- 11305 FHA regulations: [Home mortgage regulations, amendments to sec. 203, 234]. [1970.] [10] p. ([FHA 3000.]) [Includes Home regulations transmittal 72, Jan. 19, 1970. Issued in looseleaf form.] † HH 2.6: M 84/7/970/trans.72
- 11306 — [Home mortgage regulations, amendments to sec. 203, 213, 220-222, 234-235, 237, 809]. [1970.] [48] p. ([FHA 3000.]) [Includes Home regulations transmittal 73, Apr. 6, 1970. Issued in looseleaf form.] † HH 2.6: M 84/7/970/trans.73
- 11307 — [Project mortgage insurance, amendments to sec. 207, 213, 220-21, 231-32, 234-36, 241-42, title X, and Group practice facilities.] [1970.] [71] p. [Includes Project transmittal 71, Mar. 4, 1970. Issued in looseleaf form.] † HH 2.6: M 84/6/trans.71
- 11308 State trends, supplement to FHA trends, sec. 203 Home mortgages insured by FHA, 4th quarter 1969. [Apr. 30, 1970.] 8 p. 4° [RR 250S; Housing Production and Mortgage Credit, Division of Research and Statistics, Statistics Branch.] † HH 2.24/2: 969/2

FEDERAL MARITIME COMMISSION  
Washington, DC 20573

- FMC SP (series). † FMC 1.9: 70-(nos.)
- 11309 70-31. Port in our changing times, remarks of Aaron W. Reese, Managing Director, Federal Maritime Commission, at 22nd annual meeting of North Atlantic Ports Association, Providence, R.I., June 11, 1970. [1970.] 7 p. 4°
- 11310 70-32. Remarks of Helen Delitch Bentley, Chairman, Federal Maritime Commission before 41st annual meeting of Association of Interstate Commerce Commission Practitioners, Louisville, Ky., June 19, 1970. 1970. 8 p. 4°
- 11311 Puerto Rican-Virgin Islands trade study, regulatory staff analysis [with bibliography]; prepared by Bureau of Domestic Regulation. Apr. 1970. vii+251 p. il. 4° \* Paper, \$2.00. ● Item 432-L-1  
L.C. card 75-608073 FMC 1.2: P 96

FEDERAL POWER COMMISSION  
Washington, DC 20426

- FPC-S (series).
- 11312 203. Sales of firm electric power for resale, 1965-68, by private electric utilities, by Federal projects; [prepared by Office of Accounting and Finance]. Mar. 1970. [3]+40 p. il. 4° \* Paper, 50c. ● Item 440  
L.C. card 70-601639 FP 1.21: 203
- National electric rate book, rate schedules for electric service in communities of 2,500 population or more, residential, commercial, and industrial services. [Issued with perforations.]
- NOTE.—The complete rate book is made up of separate publications, each representing a State. They are sold on subscription basis by the Superintendent of Documents, \$12.50 a year, \$4.25 additional for foreign mailing; single copy, 25c.
- 11313 Illinois. May 1970. [2]+31 p. 4° [Supersedes issue of Apr. 1969.] ● Item 437-A-11  
L.C. card 73-603343 FP 1.18: II 6/970
- 11314 Louisiana. [May 1970.] [2]+21 p. 4° [Supersedes issue of May 1969.] ● Item 437-A-16  
L.C. card 73 603343 FP 1.18: L 93/970

☛For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

- 11315 Uniform system of accounts prescribed for public utilities and licenses (class A and B,C, and D) subject to provisions of Federal power act in effect on Jan. 1, 1970. 1970. [245] p. (FPC A-106.) [Issued in looseleaf form, with marginal pagination tabs on blank cardboard showing paging in units of 100s.] \* Paper, \$2.75 (including basic volume and supplementary material for an indefinite period); 75c additional for foreign mailing. ● Item 439  
L.C. card 36-26808 FP 1.7/3: 970

FEDERAL RAILROAD ADMINISTRATION, Transportation Dept.  
Washington, DC 20591

- Railroad accident investigation reports. † TD 3.10:(nos.)  
11316 4150. Long Island Rail Road Company, Penn Central Company, Jan. 25, May 27, June 23, Aug. 13, 1969. [1970.] [2]+21+[1] p. il.  
11317 4151. Bessemer and Lake Erie Railroad Company, Conneautville, Pa., Oct. 12, 1969. [1970.] 6 p.+2 leaves il.

FEDERAL REGISTER OFFICE, General Services Administration  
Washington, DC 20408

Code of Federal regulations and Cumulative pocket supplements.

NOTE.—For the convenience of those who maintain complete sets of the Code of Federal regulations, arrangements have been made to supply pocket supplements as of Jan. 1, 1970 and any completely revised volumes issued in 1970 on a subscription basis at \$175.00 a year, \$50.00 additional for foreign mailing. The revised volumes and supplements will be mailed as printed and all subscribers will receive expiration notices in ample time to renew their subscriptions, thus avoiding loss of continuity. The Superintendent of Documents will continue to make available the revised volumes and individual supplements for those who do not maintain complete sets.

- 11318 Code of Federal regulations: General index revised as of Jan. 1, 1970. [1970.] xxv+335 p. \* Paper, \$1.50. ● Item 572  
L.C. card 49-46198 GS 4.108: ind/970  
11319 — Title 2 [Congress], title 3 [the President], revised as of Jan. 1, 1970. [1970.] vi+497 p. [Contains codification of documents of general applicability and future effect as of Jan. 1, 1970, with ancillaries.] \* Paper, \$1.75. ● Item 572  
L.C. card 49-46198 GS 4.108: 2-3/970

FEDERAL RESERVE SYSTEM BOARD OF GOVERNORS  
Washington, DC 20551

- 11320 Bank debits and demand deposits, 1969, seasonally adjusted summary figures, by districts, by months, individual centers by months. May 5, 1970. [29] p. oblong 8° (Division of Data Processing.) † FR 1.17/2: 969  
11321 Changes in bank lending practices, 1969. [1970.] p. [425]-429 4° [Reprinted from Federal reserve bulletin, May 1970.] † FR 1.3/a: L 546/5/969-2  
11322 Dedication and hope, Commencement address by Arthur F. Burns, Chairman, Board of Governors of Federal Reserve System at Hebrew University, Jerusalem, July 6, 1970. 1970. [1]+6 leaves 4° † FR 1.23: B 93/4  
11323 Economic contest between freedom and authoritarianism, address by Arthur F. Burns, Chairman, Board of Governors of Federal Reserve System, Chungang Universities, Seoul, Korea, June 26, 1970. 1970. [1]+17 leaves, 4° † FR 1.23: B 93/5  
11324 Economic policy and restoration of price stability in United States, remarks by Andrew F. Brimmer, member, Board of Governors of Federal Reserve System, before annual convention of Vermont Bankers Association, Manchester, Vt., June 20, 1970. 1970. [1]+26 p. 4° † FR 1.23: B 77/56

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available



AUGUST 1970

- 11325 Flow of funds accounts, 1945-68, annual total flows & year-end assets and liabilities [with bibliography]. Mar. 1970. 47+90 p. il. 4° † Paper, \$1.00; 10 or more copies, 85¢ each, Publications Services, Division of Administrative Services, Board of Governors of Federal Reserve System, Washington, DC 20551  
L.C. card 68-61946 FR 1.2: F 96/7/945-68
- 11326 Intent and letter of bank regulation, remarks of George W. Mitchell, Member, Board of Governors of Federal Reserve System at annual legal seminar of California Bankers Association, Santa Barbara, Calif., Apr. 10, 1970. 1970. [1]+16 p. 4° †  
Regulation (series). FR 1.23: M 69/58
- 11327 Q. [Interest on deposits], supplement, effective June 24, 1970. [1970.] 1 p. 4° †  
FR 1.6: Q/970/supp.-3
- 11328 Rules regarding delegation of authority, amendment, effective May 14, 1970. [1970.] 1 p. 4° †  
FR 1.8/2: Au 8/970/amdt.
- 11329 SDR's in Federal reserve operations and statistics. [1970.] p. [421]-424 4°  
[Reprinted from Federal reserve bulletin, May 1970.] †  
FR 1.3/a: Sp 3
- 11330 [Time for reform], remarks of J. L. Robertson, Vice Chairman of Board of Governors of Federal Reserve System before Savings Banks Association of Massachusetts, Boston, Mass., June 16, 1970. 1970. [1]+11 p. 4° †  
FR 1.23: R 54/40
- 11331 Triumph of free enterprise, address by Arthur F. Burns, Chairman, Board of Governors of Federal Reserve System, Tokyo, Japan, July 2, 1970. 1970. [1]+20 leaves 4° †  
FR 1.23: B 93/3

FEDERAL SUPPLY SERVICE, General Services Administration  
Washington, DC 20405

- 11332 Federal specifications. ● Item 563 GS 2.8:  
NOTE.—These specifications are completely covered by the index of Federal specifications and standards. Individual specifications are not listed in the Monthly Catalog.  
Index of Federal specifications and standards January 1, 1970, with cumulative supplements as issued (GS 2.8/2: 1970) is sold by the Superintendent of Documents on a subscription basis at \$3.50 a yr., \$1.00 additional for foreign mailing.

FEDERAL WATER QUALITY ADMINISTRATION, Interior Dept.  
Washington, DC 20242

NOTE.—The name of the Federal Water Pollution Control Administration has been changed to Federal Water Quality Administration.

- 11333 Clean water for 1970's, status report. June 1970. viii+80 p. il. 4° †  
● Item 473-A-1  
L.C. card 71-607974 I 67.2: C 58/2/970
- 11334 Practical guide to water quality studies of streams [with list of references]; by F. W. Kittrell. 1969 [published 1970]. xi+135 p. il. (CWR-5.)  
\* Paper, 70¢. ● Item 607-C  
L.C. card 72-608162 I 67.8: St 8
- Water pollution control research series. ● Item 437-A-1  
I 67.13/4: (nos.)
- 11335 11024. Combined sewer overflow abatement technology, compilation of papers presented at Federal Water Quality Administration Symposium on storm and combined sewer overflows, June 22-23, 1970, Chicago, Ill. [with bibliographies]. June 1970. [7]+336 p. il. 4° \* Paper, \$2.50.  
L.C. card 72-608059
- 11336 14010. Sulfide to sulfate reaction mechanism as it relates to formation of acid mine water [with list of references]; by Ohio State University, Research Foundation. Feb. 1970. x+115+[2] p. il. 4° (FWPCA grant 14010 FPS.) \* Paper, \$1.50.  
L.C. card 77-608060

✦For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 47

GOVERNMENT PUBLICATIONS

FOOD AND DRUG ADMINISTRATION, Health, Education, and Welfare  
Dept., Washington, DC 20201

- 11337 FDA current drug information, news and reports of interest to practicing physicians: Lithium carbonate. [Apr. 6, 1970.] [2] p. narrow f° folded into oblong 48° size. † ● Item 474-A HE 20.4013: 970

FDA publication.

- 11338 34. Federal hazardous substances act, a poison prevention law. [Jan. 1970.] [6] p. il. narrow 12° † ● Item 475-A HE 20.4015: 34

FOOD AND NUTRITION SERVICE, Agriculture Dept.  
Washington, DC 20250

FNS-(series).

- 11339 13. Daily food guide, some choices for thrifty families [colored poster]. July 1966 [published 1970.] 23 x 22 in. [Prepared in cooperation with Agricultural Research Service. Formerly C&MS 23. Contains on reverse: Follow the food guide every day.] \* Paper, \$11.25 per 100; \$1.50 per 10; single copy 15c. A 98.9: 13

FOREIGN AGRICULTURAL SERVICE, Agriculture Dept.  
Washington, DC 20250

[Foreign Agricultural Service, miscellaneous] FAS-M (series). †  
A 67.26: (nos.)

- 11340 217. Tobacco production and trade in Republic of Korea; [by Albert B. Davis.] May 1970. cover title, [2]+6 p. il. 4° ([Tobacco Division.]) [Illustrations on p. 2 of cover.] L.C. card 72-607926
- 11341 218. Grain in European Community, rising protection and falling imports. June 1970. cover title, il+58 p. il. 4° ● Item 76-G
- 11342 219. Cotton in Tanzania; [by Horace G. Porter]. June 1970. cover title, il+18 p. il. 4° L.C. card 71-607907

FOREST SERVICE, Agriculture Dept.  
Washington, DC 20250

- 11343 How tree grows. [May 1970.] 8 p. il. 4° ([FS-32]; Conservation teaching aid.) [Prepared in cooperation with Soil Conservation Service. Combines and supersedes D-4, How tree grows, and D-8, Tree and Soil.] \* Paper, 10c. ● Item 81-A A 13.72: T 71
- 11344 List of publications by subject. 1970. iv+85+[1] p. il. (FS-50.) † ● Item 85-A L.C. card 79-608188 A 13.11/2: P 96/970
- 11345 Publications, Apr. 1, 1969-Mar. 31, 1970, Intermountain Forest and Range Experiment Station, Ogden, Utah. [1970.] [1]+20 p. il. 4° † A 13.65/14: 969-970
- 11346 1969 report, forest and windbarrier planting and seeding in United States. [1969.] [2]+6 p. 8 tab. 4. † L.C. card 59-64225 A 13.51/2: 969
- Research note NE-(series). (Northeastern Forest Experiment Station, Upper Darby, Pa.)
- 11347 NE-107. Bark thickness related to tree diameter in sugar maple (*Acer saccharum* Marsh); [with list of literature cited; by H. Clay Smith]. 1969. 4 p. il. † A 13.79: NE-107
- Research note RM-(series). (Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colo.) † A 13.79: RM-(nos.)
- 11348 RM-158. Foliar moisture content for chaparral in Arizona, accounting for its variation and relating it to prescribed fires; [by] A. W. Lindenmuth, Jr., and James R. Davis. 1970. 8 p. il. 4°
- 11349 RM-159. Fire stimulated aspen sprouting in spruce-fir forest in New Mexico; [by] David R. Patton and Herman D. Avant. [1970.] 3 p. il. 4°
- 11350 RM-160. Storage does not affect crude protein content of forage samples; [by] Floyd W. Pond and Henry A. Pearson. 1970. 1 p. 4°

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

August 1970

- 11351 RM-161. Cacodylic acid field tested for control of mountain pine beetles in ponderosa pine: by John F. Chansler, Donn B. Cahill, and Robert E. Stevens. [1970.] 3 p. 4°
- 11352 RM-162. Emergence and survival of winterfat seedlings from 4 planting depths [with list of literature cited; by] H. W. Springfield. 1970. 4 p. il. 4°
- 11353 RM-163. Shading and other factors affect survival of planted Engelmann spruce seedlings in central Rocky Mountains; [by] Frank Ronco. 1970. 7 p. il. 4°
- 11354 RM-164. Preemergent herbicides for preparing ponderosa pine planting sites in Southwest; by L. J. Heidmann. [1970.] 4 p. il. 4°
- 11355 RM-165. Fourwing saltbush survival after inundation; [by] Earl F. Aldon. [1970.] 2 p. il. 4°
- 11356 RM-166. Growing fourwing saltbush transplants for field planting; [by] Earl F. Aldon. [1970.] 3 p. il. 4°

Research note SO-(series). (Southern Forest Experiment Station, New Orleans, La.) † A 13.79: SO-(nos.)

- 11357 SO-97. Forest fire occurrence in South, 1956-1965; [by] M. L. Doolittle. 1969. 16 p. il. 4° [Illustration is colored.]
- 11358 SO-98. Tree-character relations in southern hardwood stands; [by] W. M. Broadfoot. 1970. 7 p. il. 4°
- 11359 SO-99. Growth and yield of mixed loblollyslash pine plantation [with list of literature cited; by] Eugene Shoulders. 1970. 4 p. 4°
- 11360 SO-100. Growth components of Mississippi forests; [by] Joe F. Christopher. 1970. 4 p. il. 4°
- 11361 SO-101. Field germination of Nuttall oak acorns; [by] R. L. Johnson. 1970. 4 p. il. 4°

Research paper NE-(series). (Northeastern Forest Experiment Station, Upper Darby, Pa.)

- 11362 NE-151. Opportunities for pulpwood growing investment [with list of literature cited]; by David A. Gansner and Edgar T. Shaudys. 1969. cover title, [1]+22 p. il. [Abstract cards inserted.] † A 13.78: NE-151

Research paper RM-(series). (Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colo.)

- 11363 RM-55. Germination and establishment of fourwing saltbush in Southwest [with list of literature cited]; by H. W. Springfield. 1970. [2]+48+[1] p. il. 4° † A 13.78: RM-55

Research paper SO-(series). (Southern Forest Experiment Stations, New Orleans, La.) † A 13.78: SO-(nos.)

- 11364 SO-52. Tool forces and chip formation in orthogonal cutting of loblolly pine [with list of literature cited; by] George E. Woodson and Peter Koch. 1970. [2]+25 p. il. 4° [Abstract cards inserted.]
- 11365 SO-53. Morphology and length correlated in terminal flushes of longleaf pine saplings [with list of literature cited; by] R. M. Allen and N. M. Scarbrough. 1970. [1]+15 p. il. [Abstract cards inserted.]
- 11366 SO-54. Hydrologic effects of prescribed burning and deadening upland hardwoods in northern Mississippi [with list of literature cited; by] S. J. Ursic. 1970. [2]+15 p. il. 4° [Abstract cards inserted.]

Resource bulletin NE-(series). (Northeastern Forest Experiment Station, Upper Darby, Pa.)

- 11367 NE-16. Black walnut on nonforest land in Kentucky; [by] Ronald D. Lindmark and Paul S. DeBald. 1969. cover title, [1]+13 p. il. [Text on p. 2 of cover. Abstract cards inserted.] † A 13.80: NE-16

Resource bulletin SO-(series). (Southern Forest Experiment Station, New Orleans, La.)

- 11368 SO-21. Arkansas forest industries; [by] Roy C. Beltz. [1970.] li+28 p. il. 4° [Prepared in cooperation with Arkansas State Forestry Commission and University of Arkansas Agricultural Extension Service. Abstract cards inserted.] † A 13.80: SO-21

- 11369 Rocky Mountain Forest and Range Experiment Station, publications for 1969. [1970.] 11 p. 4° † A 13.69/10-2: 969

- 11370 State and privately-owned land protection within national forest protection areas; Feb. 1970. [1970.] 1 p. 4° (1380 (3100) reports, Protection of S&P lands inside national forest areas; Division of Forest Fire Control, Wash., D.C.) † A 13.2: L 22/970

‡For Sale by Clearinghouse, U.S. Department of Commerce, Springfield, Va. 22151

•Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

GENERAL ACCOUNTING OFFICE  
Washington, DC 20548

- 11371 Report to Congress: Costs of operating nuclear merchant ship Savannah, Maritime Administration, Department of Commerce; by Comptroller General of United States. June 26, 1970. cover title, [8]+35 p. il. 4° (B-136209.) † Paper, \$1.00.  
L.C. card 70-607952 GA 1.13: Sa 9/6
- 11372 — Feasibility of using should cost concepts in Government procurement and auditing; by Comptroller General of United States. May 20, 1970. cover title, [1]+3+[2]+33 p. 4° (B-159896.) † Paper, \$1.00.  
L.C. card 74-607948 GA 1.13: C 82/12
- 11373 — Improved guidance needed for relocating railroad facilities at water resources projects, Corps of Engineers (civil functions), Army Dept.; by Comptroller General of United States. June 12, 1970. cover title, [8]+69 p. il. 4° (B-114885.) † Paper, \$1.00.  
L.C. card 75-607896 GA 1.13: R 13/8
- 11374 — Improvement needed in financial management activities of Smithsonian Institution, Washington, DC; by Comptroller General of United States. July 1, 1970. cover title, [1]+4+[2]+37 p. 4° (B-133332.) † Paper, \$1.00.  
L.C. card 70-608093 GA 1.13: F 49/7
- 11375 — Improvement needed in reliability of Navy manpower and personnel management information system; by Comptroller General of United States. June 23, 1970. cover title, [8]+39 p. 4° (B-160931.) † Paper, \$1.00.  
L.C. card 71-607895 GA 1.13: N 22/13
- 11376 — Inappropriate source of power used as basis for allocating costs of water resources projects. Corps of Engineers (civil functions), Department of Army, Department of Interior, Water Resources Council; by Comptroller General of United States. May 25, 1970. cover title, [1]+4+[2]+54 p. 4° (B-168798.) † Paper, \$1.00.  
L.C. card 78-607949 GA 1.13: P 87/5
- 11377 — Need to reassess food inspection roles of Federal organizations, Department of Agriculture, Department of Defense, Department of Health, Education, and Welfare, Department of Interior; by Comptroller General of United States. June 30, 1970. cover title, [1]+3+[2]+54 p. 4° (B-168966.) † Paper, \$1.00.  
L.C. card 74-607956 GA 1.13: F 73/9
- 11378 — Opportunity for savings by improved selection of air carriers for transporting military cargo, Department of Defense; by Comptroller General of United States. June 15, 1970. cover title, [1]+92 p. 4° (B-162840.) † Paper, \$1.00.  
L.C. card 77-607911 GA 1.13: Sa 9/5
- 11379 — Potential for reducing inventory investments in Defense Supply Agency through improved computation of stock needs, Department of Defense; by Comptroller General of United States. May 28, 1970. cover title, [6]+33 p. 4° (B-146828.) † Paper, \$1.00.  
L.C. card 76-607470 GA 1.13: In 8/11
- 11380 — Potential for savings in aircraft maintenance, Departments of Navy and Air Force; by Comptroller General of United States. May 7, 1970. cover title, [8]+32 p. il. 4° (B-152600.) † Paper, \$1.00.  
L.C. card 76-607359 GA 1.13: M 28/8
- 11381 — Problems resulting from deterioration of pavement on Interstate highway system, Federal Highway Administration, Transportation Department; by Comptroller General of United States. June 30, 1970. cover title, [1]+4+[3]+88 p. 4° (B-164497.) † Paper, \$1.00.  
L.C. card 76-608092 GA 1.13: P 28/2

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

- 11382 — Savings available to Government by timing advances of loan and grant funds with actual cash requirements, Farmers Home Administration, Agriculture Department; by Comptroller General of United States. July 6, 1970. cover title, [1]+3+[1]+22 p. 4° (B-114873.) † Paper, \$1.00.  
L.C. card 73-608094 GA 1.13 : L 78/13
- 11383 — Weak enforcement of Federal sanitation standards at meat plants by Consumer and Marketing Service, Department of Agriculture; by Comptroller General of United States. June 24, 1970. cover title, [8]+65 p. il. 4° (B-163450.) † Paper, \$1.00.  
L.C. card 72-607950 GA 1.13: Sa 5/2

GENERAL SERVICES ADMINISTRATION  
Washington, DC 20405

Counseling guide.

- 11384 6. Federal buying directory. May 1970. [2]+15 p. narrow 8° (Business Service Center.) † ● Item 558-A-1 GS 1.6/6-2: 6
- 11385 Partners in progress, GSA and the minority businessman. [1970.] [15] p. il. oblong 12° † ● Item 559 GS 1.2: P 25

GEOLOGICAL SURVEY, Interior Dept.  
Washington, DC 20242

Bulletins. ● Item 620

I 19.3: (nos.)

- 11386 1272-E. Stratigraphy of Morrison formation and structure of Ambrosia Lake district, N. Mex. [with list of references]; by Elmer S. Santos. 1970. iii+30 p. il. 1 pl. in pocket [Ore-bearing strata and tectonic features in major uranium-mining district in northwestern New Mexico. Contributions to economic geology.] \* Paper, 75c.  
L.C. card 71-608021
- 11387 1284. Paleozoic stratigraphy in northwest coastal area of Prince of Wales Island, southeastern Alaska [with list of references]; by G. Donald Eberlein and Michael Churkin, jr. 1970. iv+66 p. il. 2 pl. in pocket. [Paleozoic rocks are divided in 10 newly named formations and are briefly described. One plate is colored.] \* Paper, 65c.  
L.C. card 70-603255
- 11388 1312-N. Some rare-element mineral deposits in mainland China [with list of references cited]; by K. Y. Lee. 1970. iv+34 p. il. [Digest of published literature, including interpretations of geologically similar environments in mainland China. Contributions to economic geology.] \* Paper, 25c.  
L.C. card 74-607065

Circulars. † ● Item 620-A

I 19.4/2: (nos.)

- 11389 601-D. Water as urban resource and nuisance [with list of references]; by Harold E. Thomas and William J. Schneider. 1970. v+9 p. 4° [Water in urban environment.]
- 11390 618. Reports and maps of Geological Survey released only in open files, 1969; by Betsy A. Weid, Margaret S. Griffin, and George W. Brett. 1970. [2]+23 p. 4°.  
L.C. card GS 52-152
- 11391 626. Reconnaissance of water resources in Haines-Port Chilkoot area, Alaska [with list of references cited]; by James A. McConaghy. 1970. iv+16 p. il. 4° [Prepared in cooperation with city of Haines and city of Port Chilkoot.]  
L.C. card 70-608108
- 11392 628. Elemental sulfur in Eddy County, N. Mex. [with list of references cited]; by Jim S. Hinds and Richard R. Cunningham. 1970. [3]+13 p. il. 4° [Compilation of sulfur occurrences reported from wells and outcrops in Eddy County, N. Mex. with observations on their geologic setting.]
- 11393 637-A, B. Preliminary study of effects of water circulation in San Francisco Bay estuary, some effects of freshwater inflow on flushing of south San Francisco Bay; by D. S. McCulloch [and others]: Movement of seabed drifters in San Francisco Bay estuary and adjacent Pacific Ocean; by T. J. Conomos [and others]. 1970. vii+27+iii+8 p. il. 4° [Prepared in cooperation with U.S. Dept. of Housing and Urban Development.]  
L.C. card 79-608102

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 51

GOVERNMENT PUBLICATIONS

- Professional papers. ● Item 624 I 19.16: (nos.)
- 11394 545-D. Effects of earthquake of Mar. 27, 1964, on Alaska Railroad [with list of references cited]; by David S. McCulloch and Manuel G. Bonilla. [1970.] viii+161 p. il. 4 pl. in pocket 4° [Description and analysis of geologic controls of earthquake damage to Alaska Railroad, with emphasis on damage caused by mobilization of unconsolidated sediments. Includes title page and table of contents to Professional paper 545.] \* Paper, \$3.50.
- 11395 576-C. Structure of Slick Rock district and vicinity, San Miguel and Dolores Counties, Colo. [with list of references cited]; by Daniel R. Shawa. 1970. iii+18 p. il. 4° [Prepared on behalf of U.S. Atomic Energy Commission. Folding and fracturing of Paleozoic and Mesozoic sedimentary strata were sporadic, but interrelated and occurred during and after deposition of rocks. Interpretation of influence of folds and fractures upon epigenetic alteration clarifies time and manner of formation of uranium-vanadium deposits. Geologic investigations in Slick Rock district, San Miguel and Dolores Counties, Colo.] \* Paper, 35c.  
L.C. card 70-606923
- 11396 599-E. Photoelectric-photographic, study of normal albedo of moon [with list of references], by Howard A. Pohn and Robert L. Wildy; Accompanied by Albedo map of moon, by Howard A. Pohn [and others]. 1970. iii+20 p. il. 1 pl. in pocket, 4° [Prepared on behalf of National Aeronautics and Space Administration. Contributions to astrogeology. Plate is colored.] \* Paper, \$1.00.
- 11397 635. Uppermost Cretaceous and Tertiary stratigraphy of Fossil basin southwestern Wyoming [with list of references cited]; by Steven S. Oriol and Joshua I. Tracey, jr. 1970. vi+53 p. il. 4° [New subdivisions of 7,000-foot-thick continental Evanston, Wasatch, Green River, and Powkes Formations facilitate understanding of sediment genesis and Wyoming thrust-belt tectonic events.] \* Paper, 65c.  
L.C. card 70-604646
- 11398 644-B. Hydrocarbons in thermal areas, northwestern Wyoming [with list of references cited]; by J. D. Love and John M. Good. 1970. iii+23 p. il. 4° [Prepared in cooperation with National Park Service, Geological Survey of Wyoming, and Department of Geology of University of Wyoming. Shorter contributions to general geology.] \* Paper, 40c.
- 11399 696. Ground water in permafrost regions of Alaska [with list of references]; by John R. Williams. 1970. iv+83 p. il. 4° [Ground water in permafrost regions in Alaska occurs according to same geologic and hydrologic principles prevailing in temperate regions.] \* Paper, \$1.00.  
L.C. card 70-608010

Techniques of water-resources investigation: Book 3, Applications of hydraulics.

- 11400 chap. C 2. Field methods for measurement of fluvial sediment [with list of references]; by Harold P. Guy and Vernon W. Norman. [1970.] vi+59 p. il. 4° [Issued with perforations.] \* Paper, 70c. ● Item 624-A I 19.15/5: bk.3/chap.C 2

Water-supply papers. ● Item 625 I 19.13: (nos.)

- 11401 1902. Surface water supply of United States, 1961-65: pt. 1, North Atlantic slope basins, v. 2 Basins from New York to Delaware; [prepared by personnel of Water Resources Division]. 1970. x+924 p. il. map in pocket. [Prepared in cooperation with Delaware, Massachusetts, New Jersey, New York, Pennsylvania, and Vermont, and with other agencies.] \* Paper, \$4.25.  
L.C. card GS 46-40712
- 11402 2002. Water in urban planning, Salt Creek basin, Ill., water management as related to alternative land-use practices [with list of selective references]; by Andrew M. Speker. [1970.] ix+147 p. il. [Prepared in cooperation with Northeastern Illinois Planning Commission.] \* Paper, \$1.00.  
L.C. card 79-605466

GOVERNMENT PRINTING OFFICE  
Washington, DC 20401

- 11403 Layouts for flat-bed, rotary, and web press imposition. [3d edition Nov. 1968.] 1968. xxii+222 p. il. 4° [Issued in looseleaf form. Includes dividers.] \* Paper, \$2.75 (without binders).  
L.C. card 72-608083 GP 1.2: L 45/2/968

HEALTH, EDUCATION, AND WELFARE DEPARTMENT  
Washington, DC 20201

- 11404 Mental retardation publications of Department of Health, Education, and Welfare. May 1970. [2]+45 p. 4° (Secretary's Committee on Mental Retardation.) † ● Item 444-B.  
L.C. card HEW 67-35 HE 1.18: M 52/970

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

- 11405 State salary ranges, selected classes [of positions] in employment security, public welfare, public health, mental health, vocational rehabilitation, civil defense, Jan. 1, 1970. [1970.] cover title, [1]+vi+44 p. 4° (Office of State Merit Systems.) †  
L.C. card 72-601468 HE 1.22: 970

**HEALTH FACILITIES PLANNING AND CONSTRUCTION SERVICE,  
Health, Education, and Welfare Dept., Silver Spring, MD 20910**

Health facilities series (under Hill Burton program) : [Category] F. (Program Planning and Analysis Branch.)

- 11406 F-2. Hill-Burton State plan data, national summary as of Jan. 1, 1968 [with list of references; prepared by Anna Mae Baney and Katherine L. Manus]. [Revised 1969.] [1970.] ix+104 p. il. 4° ([Public Health Service publication 930-F-2.]) \* Paper, \$1.00. ● Item 486-D HE 20.2511 : F-2
- 11407 Selected studies in building research, applicable to design and construction of health facilities. [May 1970.] v+63 p. 4° ([Public Health Service publication 930-D-26.]) \* Paper, 65c. ● Item 486-D  
L.C. card 70-608018 HE 20.2511 : D-26

**HEALTH PROFESSIONS EDUCATION AND MANPOWER TRAINING  
BUREAU, Health, Education, and Welfare Dept.  
Bethesda, MD 20014**

- 11408 Better water is in the works. [1970.] [4] p. il. narrow 8° ([Division of Dental Health.]) \* Paper, \$2.25 per 100; single copy 5c. ● Item 507-D-1 HE 20.3102 : W 29
- 11409 Compilation, State dentist manpower reports, 1965-67; by Donald W. Johnson and Mary B. Thompson. 1970. ix+619 p. il. 4° (Division of Dental Health, Resource Analysis Branch.) \* Paper, \$5.25. ● Item 507-D-1  
L.C. card 74-607980 HE 20.3102 : D 43/4/965-67
- 11410 Continuing education program of Division of Physician Manpower. June 1970. [2] leaves 10+[1] p. il. (Division of Physician Manpower.) †  
● Item 507-D-1 HE 20.3102 : P 56/2
- 11411 Current research project grants. [Revised Jan. 1970.] [1970.] 13 p. 4° ([Public Health Service publication 1762]; Division of Nursing.) †  
● Item 507-D-4 HE 20.3111 : 970
- 11412 Handbook for loan cancellation benefit, list of hospitals, title 2, Health manpower act of 1968. Oct. 1969 (published 1970.) [3]+71 p. 4° (Division of Nursing.) † ● Item 507-D-3 HE 20.3108 : L 78
- 11413 Research in nursing 1955-68, research grants, projects supported with funds administered by Division of Nursing. [Revised 1969.] [1970.] v+91 p. ([Public Health Service publication 1356]; Division of Nursing.) \* Paper, 50c. ● Item 507-D-1  
L.C. card 72-608189 HE 20.3102 : N 93/7/955-68
- 11414 Selected training programs for physician support personnel; compiled by Professional Activities Branch, Division of Physician Manpower. June 1970. vi+65 p. 4° † ● Item 507-D-1  
L.C. card 70-608085 HE 20.3102 : P 56
- 11415 Short-term training courses under Professional nurse training program, supplement B. Revised May 1970. [1970.] [2]+7 p. ([Public Health Service publication 1154-1; Division of Nursing.]) † ● Item 507-D-1  
HE 20.3102 : N 93/3/supp.B/970

**HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION,  
Health, Education, and Welfare Dept., Bethesda, MD 20014**

- 11416 Directory of local health and mental health units, 1969. [1969 revision.] [1970.] vi+118 p. ([Public Health Service publication 118]; Office of Grants Management.) \* Paper, 55c. ● Item 483-C  
L.C. card Med 46-108 HE 20.2015 : 969

GOVERNMENT PUBLICATIONS

HOUSING AND URBAN DEVELOPMENT DEPARTMENT  
Washington, DC 20410

- 11417 Bibliography on housing, building and planning, for use of overseas missions of Agency for International Development; prepared by Library. Revised May 1969. [1970.] iii+43 p. 4° (Office of International Affairs.)  
\* Paper, 50c. ● Item 581-D  
L.C. card 74-604406 HH 1.23 : H 81/2/969

HUD Clearinghouse Service HCS-(series).

- 11418 EX/1. State urban information and technical assistance services, 1st 6 months, report on State activities assisted under title 9 of Demonstration cities and metropolitan development act of 1966, based on information provided by administering State agencies; [prepared by Program Development Branch, Division of State and Local Relations, May 1969. [1] +ii+34 p. 4° (Division of State and Local Relations, Urban Management Assistance Administration, Metropolitan Development.)] [Includes list of publications of State title 9 agencies.] † ● Item 582-J  
HH 1.35 : EX/1

HUD guide.

- 11419 FHA G 4015.9. Mortgagees guide: Administration of insured mortgages. Apr. 1970. cover title, [131] p. 4. [Issued with perforations. Supersedes Mortgagees' handbook, v. 10 of FHA manual.]  
\* Paper, \$1.25. ● Item 582-E HH 1.6/7 : FHA G 4015.9

HUD handbooks.

HH 1.6/6 : (letters-nos.)

- 11420 FHA 7240.1. [Low-rent housing turnkey handbook transmittal.] June 5, 1970. [4] p. 4° [Issued with perforations. Includes transmittal notice.] †
- 11421 FHA 7410.1. Low-rent housing preconstruction handbook transmittal. June 11, 1970. 4 p. 4° [Issued with perforations. Includes transmittal notice.] †
- 11422 FHA 7420.1. Low-rent housing turnkey handbook transmittal. July 6, 1970. [2] leaves, 4° [Issued with perforations. Includes transmittal notice.] †
- 11423 RHA 7415.1. Low-rent housing construction handbook transmittal. [Aug. 5, 1969.] [4] p. 4° [Issued with perforations. Includes transmittal notice 3.] †
- 11424 RHM 7200.1, 7207.1, 7208.1, 7209.1, 7214.1. Urban renewal handbook transmittal. [June 3, 1970.] [41] p. 4° (Renewal and Housing Management.) [Issued with perforations. Includes transmittal notice 62.] \* Paper, \$14.00 (including basic manual and supplementary material for an indefinite period); \$4.00 additional for foreign mailing. ● 582-E
- 11425 RHM 7202.1. Urban renewal handbook transmittal. [June 4, 1970.] [4] p. 4° (Renewal and Housing Management.) [Issued with perforations. Includes transmittal notice 63.] \* Paper, \$14.00 (including basic manual and supplementary material for indefinite period); \$4.00 additional for foreign mailing. ● Item 582-E
- 11426 RHM 7207.1. Urban renewal handbook transmittal. [May 26, 1970.] [3] p. 4° [Issued with perforations. Includes transmittal notice 59.] \* Paper, \$14.00 (including basic manual and supplementary material for an indefinite period); \$4.00 additional for foreign mailing. ● Item 582-E

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available



AUGUST 1970

- 11427 RHM 7207.1. Urban renewal handbook transmittal. [June 3, 1970.] [5] p. 4° (Renewal and Housing Management.) [Issued with perforations. Includes transmittal notice 61.] \* Paper, \$14.00 (including basic manual and supplementary material for an indefinite period); \$4.00 additional for foreign mailing.
- 11428 RHM 7465.1. [Low-rent housing, income limits, rents, and occupancy handbook transmittal.] [June 24, 1960.] [2] leaves, 4° (Renewal and Housing Management.) [Issued with perforations. Includes transmittal notice 4.] †
- 11429 RIIM 7465.1. [Low-rent housing, limits, rents, and occupancy handbook transmittal.] [June 24, 1970.] [4] p. 4° (Renewal and Housing Management.) [Issued with perforations. Includes transmittal notice 5.] †
- 11430 RHM 7475.1. [Low-rent housing, financial management handbook.] transmittal. [Mar. 25, 1970.] [1]+2 p. 4° [Issued with perforations. Includes transmittal notice 3.] †
- 11431 RHM 7560.1. [Low-rent housing financing handbook]; supp. 2, [Interest rate on housing assistance loans]. July 1, 1970 through Dec. 31, 1970. [June 26, 1970.] [2] leaves, 4° (Renewal and Housing Management.) [Issued with perforations. Includes transmittal notice 2.] †
- 11432 RHM 7690.1. Alaska remote housing handbook, June 1970. [35] p. 4° [Issued with perforations. Includes transmittal notice 1, June 11, 1970.] †
- 11433 Making your property eligible for standard fire and extended insurance coverage, rehabilitation grants and loans to meet insurability requirements in FAIR plan areas. [1970.] 2 p. il. narrow f°, folded into narrow 8° size. ([HUD-23-R.]) † ● Item 582 HH 1.2: P 94/13
- 11434 Neighborhood conservation and rehabilitation in urban renewal areas. [Mar. 1970.] [8] p. il. narrow 8° ([HUD-57-R.]) † ● Item 582 HH 1.2: N 31/2
- 11435 Operation Breakthrough, questions and answers, June 1970. [1]+14 p. 4° † ● Item 582 HH 1.2: B 74/3

IMMIGRATION AND NATURALIZATION SERVICE, Justice Dept.  
Washington, DC 20536

- 11436 Passenger travel between United States and foreign countries, calendar year, 1969. [1970.] [2] p.+[15] leaves il. 4° † Paper, \$2.00. per set (annual and semiannual report). J 21.13: 969

INFORMATION FOR ARMED FORCES, OFFICE OF, Defense Dept.  
Washington, DC 20301

NOTE.—The name of the Armed Forces Information Service was changed to Information for Armed Forces, Office of.

DoD pamphlet.

- 11437 PG-8A. See, below, Pocket guide to Korea.
- 11438 Pocket guide to Korea [with list of suggested reading]. [1970.] iv+106 p. il. 24° ([Information for Armed Forces, Office of, DoD PG-8A; Army Dept. DA pam. 360-414; Navy Dept., NAVPERS 92960A; Air Force Dept., AFP 216-24; Marine Corps, NAVMC 2579.]) [Supersedes DoD PG-8/DA Pam 20-180/NAVPERS 92960/AFP 34-3-14/NAVMC 2579, Jan. 12, 1962. Illustrations on p. 1-4 of cover. Some illustrations are colored.] \* Paper, \$1.00. ● Item 314 & 312-A D 2.8: K 84/970

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

INTERIOR DEPARTMENT  
Washington, DC 20240

NOTE.—Requests to the Interior Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers, which should be used only when ordering from the Superintendent of Documents.

- 11439 1969 annual report, American Samoa, to Secretary of Interior, fiscal year [1969]. [1970.] ii+46 p. il. \* Paper, 30c. ● Item 668-A  
L.C. card 53-60796 I 35.17/1: 969
- 11440 Saline water conversion report for 1969-70. [1970.] xli+644 p. il. 4° (Office of Saline Water.) [Includes lists of Division and DF&ES publications.] \* Paper, \$5.75. ● Item 604-A  
L.C. card 61-61386 I 1.1/3: 969-70  
[Saline water] research and development progress reports. (Office of Saline Water.) ● Item 604-A-1 I 1.88: (nos.)
- 11441 535. Continuation of materials evaluation program [with list of references]; by Henry C. Bramer [and others], Cyrus Wm. Rice & Company, Water Management Consultants, Pittsburgh, Pa. Mar. 1970. xli+272 p. il. 4° (Contract 14-01-0001-1657.) \* Paper, \$2.00.
- 11442 538. Distillation digest, v. 1 and 2. Mar. 1970. iv+353 p. il. 4° \* Paper, \$2.50.
- 11443 542. Hydrocasting reverse osmosis membranes [with lists of references]; by R. Matz [and others], Hydronautics Incorporated, Laurel, Md. June 1970. iv+138 p. il. 4° (Contract 14-01-0001-1727.) \* Paper, \$1.25.
- 11444 543. Hydrodynamic aspects of desalination by reverse osmosis [with lists of references]; by R. Matz and C. Elata, Hydronautics, Incorporated, Laurel, Md. June 1970. xlii+157 p. il. 4° (Contract 14-01-0001-1305.) \* Paper, \$1.50.
- 11445 547. Disposal of brine by solar evaporation, data [with list of references]; by C. G. Keyes, jr. [and others]. Apr. 1970. ix+154 p. il. 4° (Contract 14-01-001-969.) \* Paper, \$1.25.
- 11446 548. Disposal of brine by solar evaporation, laboratory experiments [with list of references]; by C. G. Keyes [and others], New Mexico State University, Engineering Experiment Station, Las Cruces, N. Mex. Apr. 1970. xii+152 p. il. 4° (Contract 14-01-0001-969.) \* Paper, \$1.25.
- 11447 549. Development of hollow filament technology for reverse osmosis desalination systems [with bibliography]; by T. A. Orofino, Monsanto Research Corporation, Durham, N.C. May 1970. xli+178 p. il. 4° (Contract 14-01-0001-1720.) \* Paper, \$1.50.
- 11448 551. Development of sulfonated polyphenylene oxide membranes for reverse osmosis; by C. W. Plummer, Gene Kimura, and A. B. La Conti, General Electric Company, Lynn, Mass. May 1970. iv+73 p. il. 4° (Contract 14-01-0001-2114.) \* Paper, 70c.
- 11449 552. Bibliography of desalting literature 1969; by Columbia Software, Inc., Fairfax, Va. July 1970. iv+465 p. 4° (Contract 14-01-0001-2152.) \* Paper, \$3.25.
- 11450 553. Study of seawater desalting as emergency water supply for New York City [with bibliography]; by Parsons-Jurden Corporation, New York, N.Y. Jan. 1970. [381] p. il. 4° (Contract 14-01-0001-1712.) \* Paper, \$2.50.
- 11451 554. Supervision, construction, and evaluation of sea water desulfating process pilot plant [with bibliography]; by C. E. Ennis and Gideon Gelblum, Catalytic Incorporated, Philadelphia, Pa. Mar. 1970. v+40 p. il. 4° (Contract 14-01-0001-2123.) \* Paper, 50c.
- 11452 So you want to get involved ... [1970.] [6] p. il. 4° † ● Item 603  
I 1.2: Y 8/3
- 11453 Telephone directory, Department of Interior, spring 1970. [1970.] cover title, ii+98 p. 4° [Text on p. 2 and 4 of cover.] \* Paper, \$1.00.  
I 1.86: 970

INTERNAL REVENUE SERVICE, Treasury Dept.  
Washington, DC 20224

- 11454 Excise tax information on imported foreign-made automobiles. [May 1970.] [6] p. il. narrow 8° (Publication 707 (5-70).) \* Paper, \$5.00 per 100; single copy, 10c. ● Item 956 T 22.2: Au 8
- 11455 Looseleaf regulations system: Service 4, Excise taxes, transmittal 62. May 15, 1970. [6] p. 4° ● Item 961 T 22.19/3: 4/rep.969/trans.62

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

## AUGUST 1970

- 11456 — Service 4, Excise taxes, transmittal 63. June 1, 1970. [16] p. 4°  
 ● Item 961 T 22.19/3: 4/rep.969/trans.63  
 NOTE.—Service 4 consists of pts. 40-42, 44-50, and 146-150, 152, of title 26 of Code of Federal regulations. It is sold on a subscription basis by the Superintendent of Documents, \$8.00 (including basic material and supplements issued irregularly for approximately 3 years); \$3.00 additional for foreign mailing.
- 11457 Pension trust procedures and guides for qualification under sections 401 (a) and 405(a) of Internal revenue code of 1954. [1969.] cover title, iii +113 p. (Publication 377 (Rev. 4-70).) \* Paper, 35c. ● Item 961  
 T 22.19: P 38/2/969  
 Title 26 (1954), Code of Federal regulations, pt.
- 11458 180. Importation of arms, ammunition, and implements of war. [1970.] 10 p. (Publication 708 (5-70), Alcohol, Tobacco, and Firearms Division.) [Supersedes import provisions formerly contained in Title 22, Chapter I, Subchapter M, Code of Federal regulations, and Interim Firearms and ammunition importation procedures (33 F.R. 15732) approved Oct. 22, 1968.] \* Paper, 15c. ● Item 961  
 T 22.17/3: 180
- 11459 Tobacco tax guide, transmittal 4; June 15, 1970. [1970.] [15] p. 4° (Publication 464.) [Issued in looseleaf form.] \* Paper, \$10.00 (including basic guide and supplementary material for an indefinite period); \$2.50 additional for foreign mailing. ● Item 956-A T 22.19/5: 969/trans.4

### INTERNATIONAL COMMERCE BUREAU, Commerce Dept. Washington, DC 20230

- 11460 Address by E. E. Schnellbacher, Assistant Director, Bureau of International Commerce, Department of Commerce, prepared for delivery to Richmond Export-Import Club, Richmond, Va., May 27, 1970. [1970.] 5 p. 4° †  
 C 42.18: Sch 5/36
- 11461 Export challenge of the 70's, address by E. E. Schnellbacher, Assistant Director, Bureau of International Commerce, Department of Commerce, prepared for delivery to Seattle World Trade Club, Seattle, Wash., June 18, 1970. 1970. 6 p. 4° †  
 C 42.18: Sch 5/35
- Foreign economic trends and their implications for United States, ET (series). \* Paper, \$15.00 a yr., \$6.00 additional for foreign mailing.  
 ● Item 231-1 C 42.30: (nos.)
- 11462 70-25. Kuwait. Feb. 14, 1970. 15 p. il. 4° [Annual.]  
 11463 70-34. Yugoslavia. Mar. 15, 1970. 10 p. il. 4° [Semiannual.]  
 11464 70-36. Colombia. Mar. 23, 1970. 8 p. 4° (American Embassy, Bogota.) [Semiannual.]  
 11465 70-38. Peru. Mar. 25, 1970. 10 p. map, 4 (American Embassy, Lima.) [Semiannual.]  
 11466 70-44. Mexico. Apr. 1970. 12 p. 4° (American Embassy, Mexico City.) [Semiannual.]  
 11467 70-45. Panama. Apr. 1, 1970. 12 p. il. 4° [Semiannual.]  
 11468 70-46. Saudi Arabia. Apr. 15, 1970. 11 p. il. 4° (American Embassy, Jidda.) [Semiannual.]  
 11469 70-47. Rwanda. Apr. 22, 1970. 6 p. il. 4° (American Embassy, Kigali.) [Annual.]  
 11470 70-49. Greece. Apr. 21, 1970. 10 p. il. 4° (American Embassy, Athens.) [Semiannual.]  
 11471 70-50. Tanzania. Apr. 20, 1970. 12 p. il. 4° (American Embassy, Dar es Salaam.) [Annual.]  
 11472 70-51. India. Apr. 15, 1970. 10+[1] p. il. 4° (American Embassy, New Delhi.) [Semiannual.]  
 11473 70-52. Martinique, Guadeloupe, and French Guiana. Apr. 24, 1970. 14 p. 4° [Annual.]  
 11474 70-53. Switzerland. Apr. 29, 1970. 10+[1] p. il. 4° [Semiannual.]  
 11475 70-54. Burundi. Apr. 11, 1970. 9 p. 4° (American Embassy, Bujumbura.) [Annual.]  
 11476 70-55. Barbados. May 1, 1970. 8 p. 4° (American Embassy, Bridgetown.) [Annual.]  
 11477 70-56. Singapore. Apr. 23, 1970. 11 p. 4° (American Embassy, Singapore.) [Semiannual.]  
 11478 70-59. Portugal. May 1, 1970. 15 p. il. 4° [Semiannual.]  
 11479 70-60. Japan. May 18, 1970. 11 p. 4° [Semiannual.]  
 11480 70-61. Finland. May 15, 1970. 11 p. 4° [Semiannual.]  
 11481 70-62. Iran. May 23, 1970. 10 p. il. 4° [Semiannual.]

GOVERNMENT PUBLICATIONS

INTERSTATE COMMERCE COMMISSION  
Washington, DC 20423

- 11482 Cost of transporting freight by class 1 and class 2 motor common carriers of general commodities: Central region, 1968. May 1970. cover title, ii +67 p. 4° (Statement 2C9-68; Bureau of Accounts.) [This study, issued as information, has not been adopted by Interstate Commerce Commission.] \* Paper, 65c. ● Item 682-A  
L.C. card 72-608091 IC 1 acco.2: F 88/13/968
- 11483 — Eastern-central territory, 1968. May 1970. cover title, [1]+ii+65 p. 4° (Statement 2C8-68; Bureau of Accounts.) [This study, issued as information, has not been adopted by Interstate Commerce Commission.] \* Paper, 65c. ● Item 682-A  
L.C. card A63-7186 IC 1 acco.2: F 88/8/968
- 11484 Decisions of Interstate Commerce Commission (finance reports), May-Aug. 1967 (number of older cases included). 1970. xii+936 p. (Interstate Commerce Commission reports, v. 330.) \* Cloth, \$5.75. ● Item 677  
L.C. card 8-30656 IC 1.6: 330
- 11485 Railroad planning for national defense emergencies [with list of references]; prepared by Interstate Commerce Commission, Association of American Railroads and Department of Defense, Office of Civil Defense. [1970.] [2]+22 p. il. 4° ([FG-F-3.53.]) † ● Item 678 & 320-B-3  
L.C. card 70-608045 IC 1.12/3: R 13

JOINT CHIEFS OF STAFF, Defense Dept.  
Washington, DC 20301

- 11486 Information guide for conduct of National Security Seminars. Revised edition, June 1970. [1970.] iv+115 p. 4° (Industrial College of Armed Forces.) [Issued with perforations.] † ● Item 315-A  
D 5.13: N 21s/970
- 11487 National security seminar: Background readings, 1970-71. July 1970. xi +211 p. 4° (Industrial College of Armed Forces.) † ● Item 315-A  
L.C. card 78-608134 D 5.13: N 21s/5/970-71

JOINT PUBLICATIONS RESEARCH SERVICE  
1000 N. Glebe Rd., Arlington, VA 22201

NOTE.—Titles of JPRS serial reports listed below were issued during the month, but were not cataloged separately. † (Price upon application).

- 11488-1 Communist Chinese scientific abstracts, nos. 43-45; JPRS 50634, 50712, 50735.  
11488-2 East European scientific abstracts: Bio-medical science, nos. 183-185; JPRS 50694, 50822, 50833.  
11488-3 East European scientific abstracts: Chemistry, no. 120; JPRS 50777.  
11488-4 East European scientific abstracts: Cybernetics, computers, and automation technology, no. 57; JPRS 50780.  
11488-5 East European scientific abstracts: Earth sciences, no. 85; JPRS 50820.  
11488-6 East European scientific abstracts: Electronics and electrical engineering, no. 65; JPRS 50821.  
11488-7 East European scientific abstracts: Engineering and equipment, no. 64; JPRS 50819.  
11488-8 East European scientific abstracts: Materials science and metallurgy, no. 44; JPRS 50779.  
11488-9 East European scientific abstracts: Physics and mathematics, no. 110; JPRS 50778.  
11488-10 Epidemiology reports from the world press, no. 31; JPRS 50733.  
11488-11 Herald of communications, v. 30, nos. 3-4, 1970; JPRS 50716, 50797.  
11488-12 Index of Le Monde, no. 114; JPRS 50827.  
11488-13 Meteorology and hydrology, USSR, no. 4, 1970; JPRS 50886.  
11488-14 Translations from Kommunist, nos. 6-7, 1970; JPRS 50653, 50796.  
11488-15 Translations on Africa, nos. 904-913; JPRS 50633, 50856, 50679, 50711, 50729, 50749, 50757, 50788, 50813, 50831.  
11488-16 Translations on Communist China, nos. 107-110; JPRS 50675, 50719, 50792, 50824.  
11488-17 Translations on Eastern Europe: Economic and industrial affairs, nos. 295-308; JPRS 50640, 50851, 50667, 50682, 50696, 50728, 50730, 50738, 50751, 50752, 50784, 50804, 50817, 50830.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 11488-18 Translations on Eastern Europe: Political, sociological, and military affairs, nos. 220-229; JPRS 50627, 50631, 50649, 50674, 50687, 50697, 50721, 50731, 50783, 50798.
- 11488-19 Translations on Eastern Europe: Scientific affairs, nos. 116-120; JPRS 50630, 50643, 50688, 50782, 50818.
- 11488-20 Translations on Latin America, nos. 340-351; JPRS 50646, 50669, 50684, 50714, 50715, 50724, 50742, 50747, 50753, 50775, 50794, 50811.
- 11488-21 Translations on Mongolia, no. 222; JPRS 50672.
- 11488-22 Translations on Near East, nos. 470-481; JPRS 50641, 50660, 50668, 50677, 50685, 50707, 50720, 50748, 50768, 50793, 50802, 50825.
- 11488-23 Translations on North Korea, nos. 163-167; JPRS 50638, 50743, 50773, 50829, 50835.
- 11488-24 Translations on North Vietnam, nos. 731-744; JPRS 50630, 50648, 50663, 50670, 50693, 50702, 50723, 50741, 50750, 50755, 50785, 50786, 50807, 50826.
- 11488-25 Translations on south and east Asia, nos. 258-259; JPRS 50645, 50760.
- 11488-26 Translations on USSR agriculture, nos. 339-394; JPRS 50657, 50678, 50737, 50781, 50789, 50815.
- 11488-27 Translations on USSR economic affairs, nos. 129-137; JPRS 50628, 50632, 50662, 50673, 50688, 50732, 50758, 50763, 50828.
- 11488-28 Translations on USSR industrial affairs, nos. 60-64; JPRS 50671, 50706, 50739, 50774, 50799.
- 11488-29 Translations on USSR military affairs, nos. 615-622; JPRS 50635, 50661, 50689, 50708, 50759, 50762, 50801, 50818.
- 11488-30 Translations on USSR political and sociological affairs, nos. 81-84; JPRS 50635, 50710, 50765, 50812.
- 11488-31 Translations on USSR resources, nos. 100-107; JPRS 50664, 50695, 50699, 50722, 50740, 50766, 50800, 50810.
- 11488-32 Translations on USSR trade and services, nos. 126-137; JPRS 50629, 50636, 50666, 50692, 50700, 50727, 50746, 50756, 50772, 50795, 50808, 50832.
- 11488-33 Translations on Western Europe, nos. 132-136; JPRS 50644, 50703, 50744, 50771, 50809.
- 11488-34 USA: Economics, politics, ideology, v. 1; no. 4; JPRS 50637.
- 11488-35 USSR Scientific abstracts: Bio-medical science, no. 84; JPRS 50676.
- 11488-36 USSR scientific abstracts: Electronics and electrical engineering, nos. 118-119; JPRS 50704, 50705.
- 11488-37 USSR scientific abstracts: Materials science and metallurgy, no. 73; JPRS 50690.
- 11488-38 USSR scientific abstracts: Physics and mathematics, no. 208; JPRS 50823.
- 11488-39 Vestnik of the USSR Academy of Medical Sciences, v. 25, no. 4; JPRS 50790.
- 11488-40 Vestnik of USSR Academy of Sciences, v. 40, no. 4; JPRS 50709.

## JPRS (series).

Y 3 J 66: 13/(nos.)

- 11489 50642. Research in nonferrous metallurgy, USSR [articles with bibliographies]. June 2, 1970. cover title, a+10 p. ll. 4° [From Izvestiya VUZ, tsvetnaya metallurgiya, v. 13, no. 1, 1970.] ♣ Paper, \$3.00.
- 11490 50647. 1968 yearbook of office mechanization and computer technology, Hungary. June 3, 1970. cover title, a-b+143 p. ll. 4° [Budapest, 1968.] ♣ Paper, \$3.00.
- 11491 50650. General meeting of USSR Academy of Sciences [articles]. June 3, 1970. cover title, a-b+47 p. 4° ♣ Paper, \$3.00.
- 11492 50652. Effectiveness analysis of moving target selection system by computer modeling, USSR; by V. A. Likharev, et al. June 3, 1970. cover title, 4 leaves, ll. 4° [From Radiotekhnika, no. 4, 1970.] ♣ Paper, \$3.00.
- 11493 50654. Calculating parameters of memory subsystem with MOS transistor of single type, USSR [with bibliography]; by S. C. Basladze. June 3, 1970. cover title, 15 p. ll. 4° [from Izvestiya vuzov SSR radioelektronika, v. 13, no. 1, 1970.] ♣ Paper, \$3.00.
- 11494 50658. Three welding methods tested in space, USSR; by V. B. Dmitriyev. June 4, 1970. cover title, 7 p. ll. 4° [From Khimiya i zhizn, no. 2, 1970.] ♣ Paper, \$3.00.
- 11495 50659. Interkosmos-1 satellite in orbit, USSR; by I. P. Tindo, et al. June 4, 1970. cover title, 20 p. ll. 4° [From Priroda, no. 4, 1970.] ♣ Paper, \$3.00.
- 11496 50665. Echo location process in oxygnathous bats in free flight, USSR; by G. N. Simkin. June 4, 1970. cover title, 14 p. 4° [From Biologicheskkiye nauki, no. 3 (75), 1970.] ♣ Paper, \$3.00.
- 11497 50681. Certain problems in studying orientation of birds, USSR [with bibliography]; by V. D. Il'ichev. June 8, 1970. cover title, 11 p. 4° [From Biologicheskkiye nauki, no. 4, 1970.] ♣ Paper, \$3.00.
- 11498 50683. Story of USSR Cosmonaut Training Center related; by I. Kamanin. June 8, 1970. cover title, 7 p. 4° [From Komsomol'skoye znaniya, Apr. 25, 1970.] ♣ Paper, \$3.00.
- 11499 50690. Stub and frame antennas for flight vehicles, USSR; by G. B. Reznikov. June 9, 1970. cover title, 23 p. ll. 4° [From Antenny letatel'nykh apparatov, 1967, ch. 7.] ♣ Paper, \$3.00.
- 11500 50691. Characteristics of biological noise propagation in shallow water regions of Black Sea, USSR; by Ye. V. Shishkova. June 9, 1970. cover title, 8 p. ll. 4° [From Rybnoye khozyaystvo, 1969, nos. 9-10.] ♣ Paper, \$3.00.
- 11501 50701. Behavior of dolphins in captivity, USSR; by V. M. Bel'kovich. June 10, 1970. cover title, 22 p. ll. 4° [From Priroda, Nov. 1969.] ♣ Paper, \$3.00.

♣For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

•Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

JPRS (series)—Continued

- 11502 50713. Soviet research in sanitation and noise measurement [selections]. June 11, 1970. cover title, a+17 p. 4° [From Gigiyena i sanitariya, no. 4, 1970.]  $\Phi$  Paper, \$3.00.
- 11503 50717. Management systems need to be improved, USSR; by A. Tokarev. June 11, 1970. cover title, 13 p. ll. 4° [From Na stroykakh rossii, no. 4, Apr. 1970.]  $\Phi$  Paper, \$3.00.
- 11504 50718. Information systems, USSR [with bibliography]. June 1, 1970. cover title, a+25 p. 4° [From Nauchno-tekhnicheskaya informatsiya, seriya 1, no. 1, 1970 and seriya 2, no. 1, 1970.]  $\Phi$  Paper, \$3.00.
- 11505 50725. Leninist principles of management in age of scientific and technical revolution, USSR [with bibliography]; by G. S. Pospelov. June 2, 1970. cover title, 10 p. 4° [From Izvestiya Akademii Nauk SSSR, Tekhnicheskaya kibernetika, no. 2, 1970.]  $\Phi$  Paper, \$3.00.
- 11506 50726. Planning in chemical industry, USSR [articles]. June 12, 1970. cover title, a+23 p. ll. 4° [From Promyshlennoye stroitel'stvo, no. 12, 1969.]  $\Phi$  Paper, \$3.00.
- 11507 50734. Mercury-transformer and semiconductor substations, USSR [excerpts]; by Aleksey Matveyevich Semchinov. June 15, 1970. cover title, 37 p. ll. 4° [From Rtutno-preobrazovatel'nyye i poluprovodnikovyye podstantsii, Energiya, 1968.]  $\Phi$  Paper, \$3.00.
- 11508 50746. Development of USSR television broadcasting outlined, USSR; by G. M. Sorokin. June 16, 1970. cover title, 9 p. 4° [From Tekhnika kino i televideniya, no. 4, 1970.]  $\Phi$  Paper, \$3.00.
- 11509 50754. Rate of enterotoxin production by staphylococci in food products, USSR [with list of references]; by A. A. Artemov. June 17, 1970. cover title, 7 p. 4° [From Voprosy pitaniya, no. 2, 1970.]  $\Phi$  Paper, \$3.00.
- 11510 50761. Reducing incidence of infectious diseases, USSR; by A. A. Sumarokov, et al. June 17, 1970. cover title, 7 p. 4° [From Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 3, 1970.]  $\Phi$  Paper, \$3.00.
- 11511 50764. Management and scientific and technical revolution, USSR; by I. G. Kurakov. June 18, 1970. cover title, 15 p. ll. 4° [From Voprosy filosofii, no. 3, 1970.]  $\Phi$  Paper, \$3.00.
- 11512 50767. Orientation of birds, USSR [with list of recommended reading]; by A. B. Klitkovskiy. June 18, 1970. cover title, 9 p. ll. 4° [From Priroda, no. 1, Jan. 1970.]  $\Phi$  Paper, \$3.00.
- 11513 50769. Thermal stability of modified water, USSR [with bibliography]; by B. V. Deryagin, et al. June 8, 1970. cover title, 6 p. ll. 4° [From Doklady Akademii Nauk SSSR, v. 191, no. 4, 1970.]  $\Phi$  Paper, \$3.00.
- 11514 50770. Mathematical model of simplest hydroecological system, USSR [with bibliography]; by V. V. Menshutkin, et al. June 18, 1970. cover title, 10 p. ll. 4° [From Gidrobiologicheskii zhurnal, no. 2, 1970.]  $\Phi$  Paper, \$3.00.
- 11515 50776. Rotary inductosyn tests, USSR; by D. A. Bychatin, et al. June 19, 1970. cover title, 11 p. ll. 4° [From Porotozhnyy induktosin, biblioteka po avtomatika, no. 351, Energiya Press, 1969.]  $\Phi$  Paper, \$3.00.
- 11516 50787. Preliminary results of study of errors in measuring liquid precipitation at Voyerkovo, USSR [with bibliography]; by I. G. Gorbunova. June 19, 1970. cover title, 12 p. ll. 4° [From Trudy glavnoy geofizicheskoy observatorii, no. 175, 1965.]  $\Phi$  Paper, \$3.00.
- 11517 50791. Conquest of the depths, USSR [excerpts, with bibliography]; by M. N. Dlomidov, et al. June 22, 1970. cover title, 67 p. ll. 4° [From Pokereniye glubin, Shipbuilding Publishing House, 1969.]  $\Phi$  Paper, \$3.00.
- 11518 50803. Semiconductor electronics, yesterday, today, and tomorrow, USSR; by Ya. A. Fedotov. June 23, 1970. cover title, 19 p. 4° [From Radiotekhnika, no. 4, 1970.]  $\Phi$  Paper, \$3.00.
- 11519 50805. 1970 Lenin prize competition in science and technology, USSR [articles]. June 24, 1970. cover title, a-b+47 p. 4°  $\Phi$  Paper, \$3.00.
- 11520 50806. Modification of clouds in central Asia USSR [with bibliographies]; by B. A. Ayzenshtat, et al. June 24, 1970. cover title, a+41 p. ll. 4° [Hydrometeorology Publishing House, Leningrad, 1969.]  $\Phi$  Paper, \$3.00.
- 11521 50814. Meteorology from space altitudes, USSR; by K. Kondrat'yev. June 25, 1970. cover title, 15 p. ll. 4° [From Nauka i zhizn, no. 4, 1970.]  $\Phi$  Paper, \$3.00.

JUDGE ADVOCATE GENERAL (Air Force), Defense Dept.  
Washington, DC 20330

- 11522 All States income tax guide information for service personnel, 1970 edition for 1969 returns. [1970.] [1]+107 p. 4° \* Paper, \$1.25

D 302.6: In 2/970

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

AUGUST 1970

JUSTICE DEPARTMENT  
Washington, DC 20530

- 11523 Selected presentations from 1970 National Conference on Law Enforcement Education, Feb. 1-3, 1970, Jacksonville, Fla., sponsored by Office of Academic Assistance, Law Enforcement Assistance Administration, Department of Justice. [1970.] cover title, [1]+iii+54 p. 4° † ● Item 717  
J 1.2: L 41/9

LABOR DEPARTMENT  
Washington, DC 20210

Manpower research monograph.

- 11524 18. Hiring standards and job performance; [by Daniel E. Diamond and Hrach Bedrosian]. 1970. v+35+[1] p. il. 4° (Manpower Administration.) [Monograph based on authors' research study, Industry hiring requirements and employment of disadvantaged groups.] \* Paper, 50c.  
● Item 746-H L 1.39/3: 18
- 11525 Manpower services to minority groups, desk reference for ES personnel. [1970.] [2]+ii+94 p. 4° † ● Item 745 L 1.2: M 66
- 11526 Qualifications for union office, issue of reasonableness in court cases under Labor-management reporting and disclosure act. [1970.] [5]+72+a-d+[56] p. 4° (Labor-Management Services Administration, Office of Labor-Management Policy Development.) † ● Item 745 L 1.2: Un 3/9  
L.C. card 70-608140

LABOR STANDARDS BUREAU, Labor Dept.  
Washington, DC 20210

Bulletin.

- 11527 327. Labor laws and their administration, proceedings, 52d convention of International Association of Governmental Labor Officials, Banff, Alberta, Canada, July 7-11, 1969. 1970. vi+296 p. \* Paper, \$1.25. ● Item 763  
L.C. card 15-27231 L 16.3: 327
- Occupational safety aid, Department of Labor safety training programs OSA-LS (series).
- 11528 174. Recording employee injuries. [May 1970.] 8 p. il. 4° \* Paper, 10c. ● Item 765-G L 16.49: 174/3

LABOR STATISTICS BUREAU, Labor Dept.  
Washington, DC 20210

Bulletins. ● Item 768

L 2.3: (nos.)

- 11529 1425-12. Major collective bargaining agreements: Administration of negotiated pension, health, and insurance plans; [prepared by Dorothy R. Kittner, Harry E. Davis, and Majella A. Leary]. May 1970. vi+52+[1] p. 4° ([Office of Wages and Industrial Relations.]) [Includes list of available Bulletins of 1425 series on major collective bargaining agreements.] \* Paper, 60c.  
L.C. card 78-608313
- 11530 1650. Occupational outlook handbook; [prepared in Division of Manpower and Occupational Outlook]. 1970-71 edition. [1970.] xiv+859 p. il. 4° [Text on p. 2 of cover. Revision of Bulletin 1550.] \* Paper, \$6.25.  
L.C. card L 49-8
- 11531 1651. Industry wage survey; Wood household furniture, except upholstered, Oct. 1968; [prepared by Michael Tighe]. 1970. vi+52+[2] p. 4° \* Paper, 60c.  
L.C. card L 55-211
- 11532 1660-47. Area wage survey; Newark and Jersey City, N.J., metropolitan area, Jan. 1970. June 1970. iv+42 p. oblong 8° \* Paper, 50c.  
L.C. card L 66-94
- 11533 1660-49. Area wage survey; Cincinnati, Ohio-Ky.-Ind. metropolitan area, Feb. 1970. June 1970. iv+24 p. oblong 8° \* Paper, 35c.  
L.C. card L 66-114
- 11534 1660-52. Area wage survey; Seattle-Everett, Wash., metropolitan area, Jan. 1970. May 1970. iii+16 p. oblong 8° \* Paper, 30c.  
L.C. card L 66-29
- 11535 1660-53. Area wage survey; Burlington, Vt. area, Mar. 1970. June 1970. iii+11 p. oblong 8° \* Paper, 25c.  
L.C. card L 66-103

ΦFor Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 61

GOVERNMENT PUBLICATIONS

Bulletins—Continued

- 11536 1660-54. Area wage survey: Waterbury, Conn., metropolitan area, Mar. 1970. June 1970. iii+26 p. oblong 8° \* Paper, 35c.  
L.C. card L 66-100
- 11537 1660-55. Area wage survey: Albuquerque, N. Mex., metropolitan area, Mar. 1970. June 1970. iii+27 p. oblong 8° \* Paper, 35c.
- 11538 1660-56. Area wage survey: Toledo, Ohio-Mich., metropolitan area, Feb. 1970. June 1970. iii+16 p. oblong 8° \* Paper, 30c.  
L.C. card L 66-105
- 11539 1660-57. Area wage survey: Birmingham, Ala., metropolitan area, Mar. 1970. June 1970. iii+17 p. oblong 8° \* Paper, 30c.  
L.C. card L 66-130
- 11540 1660-58. Area wage survey: Detroit, Mich., metropolitan area, Feb. 1970. June 1970. iv+28 p. \* Paper, 35c.  
L.C. card L 66-87
- 11541 1660-59. Area wage survey: Norfolk-Portsmouth and Newport News-Hampton, Va., metropolitan areas, Jan. 1970. June 1970. iii+28 p. oblong 8° \* Paper, 35c.  
L.C. card L 66-160
- 11542 1660-60. Area wage survey: Pittsburgh, Pa., metropolitan area, Jan. 1970. July 1970. iv+40 p. oblong 8° \* Paper, 50c.
- 11543 1660-61. Area wage survey: Charlotte, N.C., metropolitan area, Mar. 1970. June 1970. iii+30 p. oblong 8° \* Paper, 40c.  
L.C. card L 66-142
- 11544 1660-62. Area wage survey: South Bend, Ind., metropolitan area, Mar. 1970. June 1970. iii+27 p. oblong 8° \* Paper, 35c.
- 11545 1660-63. Area wage survey: York, Pa., metropolitan area, Feb. 1970. June 1970. iii+28 p. oblong 8° \* Paper, 35c.  
L.C. card 66-90
- 11546 1662. Industry wage survey: Communications, 1968, [prepared by Michael J. Tighe]. [1970.] iv+14+[2] p. il. 4° \* Paper, 30c.  
L.C. card L 54-100
- 11547 1671. Industry wage survey: Educational institutions, nonteaching employees Oct. 1968 and Mar. 1969. 1970. iv+42+[1] p. 4° \* Paper, 50c.  
L.C. card 71-608186
- 11548 Construction, new statistics for an old industry, address by Geoffrey M. Moore, Commissioner of Labor Statistics, Department of Labor before 2d annual Collective Bargaining Forum, New York, N.Y., May 19, 1970. [1970.] 17 p. 4° †  
L 2.26: M 78
- 11549 Wage developments in manufacturing, 1st 6 months, 1969, advance summary. Dec. 1969. 6 p. 4° †  
L 2.44/2: 969/1
- 11550 Work stoppages in 1969 (selected final tabulations), summary report. June 1970. 9 p. 4° †  
L.C. card 78-607283  
L 2.62/3: 969

LEWIS AND CLARK TRAIL COMMISSION, Room 4100, Department of the Interior Building, Washington, DC 20240

- 11551 Lewis and Clark Trail, final report to the President and to Congress. Oct. 1969 [published 1970.] v+31 p. il. oblong 8° [Text and map on p. 2 and 3 of cover.] † ● Item 1067-J  
L.C. card 73-608106  
Y 3.L 58: 1/969

LIBRARY OF CONGRESS  
Washington, DC 20540

- 11552 Antarctic bibliography, 1951-61; [compiled by H. Thomas Bowker and others]. 1970. vii+[1]+349 p. 4° [Sponsored by Office of Polar Programs, National Science Foundation.] \* Cloth, \$4.75. ● Item 818-A  
L.C. card 65-61825  
LC 33.9: 951-61
- 11553 Library of Congress publications in print, Mar. 1970; [prepared by Edwin R. Turnley.] 1970. vi+38 p. [Supersedes Mar. 1969 list.] † ● Item 785-A  
L.C. card 6-35005  
LC 1.12/2: P 96/970
- 11554 Newspapers currently received and permanently retained in Library of Congress; compiled by Serial Division, Reference Department. Revised edition. 1970. [8]+20 p. 4° \* Paper, 35c. ● Item 818-F  
L.C. card 68-61877  
LC 6.7: 970

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available



## AUGUST 1970

### Presidents' papers index series.

- 11555 Index to Theodore Roosevelt papers, 1960 [published 1970]. (Manuscript Division, Reference Department.) \* Paper, \$12.75 per set (3 vols.). ● Item 811-B  
 L.C. card 68-60026  
 v. 1. A-G, xxvi+[1]+1-449 p. 4°  
 v. 2. H-Q, xvi+[1]+451-936 p. 4°  
 v. 3. R-Z, xvi+[1]+937-1322 p. 4°  
LC 4.7: R 67/v.1-3
- 11556 Serials, MARC format: [prepared by Elaine W. Woods and others]. Preliminary edition. 1970. [5]+72 p. 4° (Information Systems Office.)  
 \* Paper, 70c. ● Item 786  
 L.C. card 73-606842 LC 1.2: M 18/7
- 11557 Talking book machines. [1970.] [19] p. il. oblong 32° † ● Item 806  
 L.C. card 72-607804 LC 19.2: T 14/9

### MARINE CORPS (Navy), Defense Dept. Washington, DC 20350

#### Fleet Marine Force manual FMFM (series). ● Item 384

D 214.9/4:(nos.)

- 11558 5-1. Marine aircraft wing [with list of references]. [1970.] [8]+vi+117 p. il. 4° [Issued with perforations.] \* Paper, \$1.50.
- 11559 7-4. Field artillery support [with list of references]. [1970.] cover title, [4]+x+340 p. il. 4° [Issued in looseleaf form. Supersedes Mar. 6, 1964 edition.] \* Paper, \$3 00.

### MARITIME ADMINISTRATION, Commerce Dept. Washington, DC 20548

#### MA SP (series). †

C 39.210/2: 70-(nos.)

- 11560 70-15. Remarks of A. E. Gibson, Maritime Administrator, Department of Commerce, before Propeller Club of Seattle, Seattle, Wash., June 24, 1970. 1970. 6 p. 4°
- 11561 70-16. Remarks by A. E. Gibson, Maritime Administrator, Department of Commerce, before Propeller Club, Port of San Francisco, San Francisco, Calif., June 25, 1970. [1970.] 7 p. 4° ([US-COMM-DC 44007.])
- 11562 70-17. Remarks by A. E. Gibson, Maritime Administrator, Department of Commerce, before graduating class of Massachusetts Maritime Academy, Buzzards Bay, Mass., June 27, 1970. [1970.] 4 p. 4°
- 11563 70-19. Remarks by A. E. Gibson, Maritime Administrator, Commerce Department, before luncheon sponsored by American Shipbuilding Company, Cleveland, Ohio, July 15, 1970. [1970.] 6 p. 4° ([US COMM DE 60057.])

### MATERNAL AND CHILD HEALTH SERVICE, Health, Education, and Welfare Dept., Bethesda, MD 20014

- 11564 Annotated bibliography on maternal nutrition. 1970. [4]+199 p. 4° ([Public Health Service publication 2055.]) [Supplement to Maternal nutrition and course of pregnancy, NAS-NRC publication 1761. Work of Maternal Nutrition Committee, of Food and Nutrition Board, National Research Council, National Academy of Sciences, supported by contract WA-CB-67-03.] \* Paper, \$1.50. ● Item 483-V-2  
 L.C. card 70-608164 HE 20.2759: M 41
- 11565 Neonatal narcotic addiction [with list of references; by Jane S. Lin-Fu]. [1969.] [1]+11 p. 4° ([OM-2145.] † ● Item 483-V-1  
 L.C. card HEW 68-42 HE 20.2752: N 16

### MEDICAL SERVICES ADMINISTRATION, Health, Education, and Welfare Dept., Washington, DC 20201

- 11566 Medicaid, medicare, which is which? July 1970. [2]+28+[2] p. 48° ([MSA 901-70.]) \* Paper, \$15 per 100; single copy, 25c. ● Item 512-C  
HE 17.502: M 46/4/970

♣For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 63

GOVERNMENT PUBLICATIONS

MEDICINE AND SURGERY BUREAU (Navy), Defense Dept.  
Washington, DC 20350

U.S. Naval Submarine Medical Center, Submarine Base, Groton, Conn.:  
Reports. † D 206.10:(nos.)

- 11567 598. Displacement of oxygen dissociation curves and red cell cation exchange in chronic hypercapnia [with list of references]; by Karl E. Schaefer, Arthur A. Messier, [and] Carolyn C. Morgan. Oct. 15, 1969. cover title, iii+9+2 p. il. 4° (Research work unit MF 12.524.0006-9028.03.)
- 11568 613. Decrease in perceived distortion with repeated exposure: Application for naval diver training [with list of references]; by Christine L. McKay. Feb. 16, 1970. cover title, iii+5+ [2] p. il. 4° (Research work unit MF 12.524.004-9014D.05.)
- 11569 616. Characteristics of submarine line officer: I. Factor analytical study of officer candidate for submarine service [with list of references]; by Benjamin B. Weybrew. Mar. 12, 1970. cover title, iv+10+ [2] p. 4° (Research Work Unit MF 12.524.002-9004.05.)
- 11570 618. Effect of intermittent exposure to 3% CO<sub>2</sub> on respiration [with list of references]; by K. E. Schaefer, C. R. Carey, and J. H. Dougherty, jr. Mar. 20, 1970. cover title, iii+7+2 p. il. 4° (Research work unit M4306.02-7050B.01.)
- 11571 619. Measurement of blood vessels in retinal photographs of submariners [with list of references]; by Jo Ann S. Kinney, Christine L. McKay, and Alma P. Ryan. Mar. 23, 1970. cover title, iii+8+2 p. il. 4° ([Research work unit M4306.01-4020B.02.]

MILITARY HISTORY, OFFICE OF CHIEF OF (Army), Defense Dept.  
Washington, DC 20315

- 11572 Seven firefights in Vietnam; by John Albright, John A. Cash, and Alan W. Sandstrum. 1970. viii+159 p. il. \* Paper, \$1.00. ● Item 344  
L.C. card 71-605212 D 114.2: V 67

MINES BUREAU, Interior Dept.  
Washington, DC 20240

- 11573 Controlling employee exposure to alpha radiation in underground uranium mines, v. 1 [with list of references]; by R. L. Rock and D. K. Walker. 1970. v+72 p. il. \* Paper, 40c. ● Item 637-B  
L.C. card 72-608067 I 28.16/2: Ex 7/v.1

Information circulars. I 28.27:(nos.)

- 11574 8447. Secondary gold in United States, errata. [1970.] 1 p. 4° †
- 11575 8461. Transportation of iron ore, limestone, and bituminous coal on Great Lakes waterway system, with projections to 1995 [with list of references]; by James H. Aase. \* Paper, \$1.00 ● Item 637-A
- 11576 8464. Silver potential and economic aspects of Leadville district, Lake County, Colo. [with bibliography]; by Henry C. Meeves and Richard P. Darnell. [1970.] [2]+iv+105 p. il. 4° \* Paper, \$1.00. ● Item 637-A
- 11577 8467. Helium, bibliography of technical and scientific literature, 1963, including papers on alpha-particles; by Philip C. Tully, Billy Joe King, and Emily Dowdy. [1970.] [2]+xxxvi+831 p. 4° \* Paper, \$7.00. ● Item 637-A  
L.C. card 70-601446
- 11578 8468. Methods for studying, improving, and optimizing electric-furnace smelting processes; by Victor R. Spironello. [1970.] [2]+ii+27 p. il. 4° \* Paper, 35c. ● Item 637-A  
L.C. card 77-608115
- 11579 8469. Availability of U.S. primary nickel resources [with list of references]; by Gary A. Kingston [and others]. [1970.] [4]+57 p. il. 4° \* Paper, 60c. ● Item 637-A
- 11580 8472. Changing investment patterns of U.S. petroleum industry, 1950-68 [with list of references]; by Harry R. Johnson. [1970.] [1970.] [5]+23 p. il. 4° \* Paper, 35c. ● Item 637-A
- 11581 8473. Lithologic descriptions of Appalachian area oil-producing formations [with list of references]; by R. L. Rough and W. K. Overbey, jr. [June 1970.] [2]+iv+133 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213 ● Item 637-A  
L.C. card 74-608117
- 11582 8479. Review of Bureau of Mines coal program, 1969; by John D. Spencer. [July 1970.] [2]+v+106 p. il. 4° [Includes list of other publications.] † Mines Bureau, Pittsburgh, PA 15213. ● Item 637-A  
L.C. card 68-62850

Report of investigations. ● Item 637-A I 28.23:(nos.)

- 11583 7357. Green River formation lithology and oil shale correlations in Piceance Creek basin, Colo. [with list of references]; by Laurence G. Trudell, Thomas N. Beard, and John Ward Smith. [1970.] iii+14+212 p. il. 12 pl. in pocket. \* Paper, \$6.50.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 11584 7397. Evaluation of oil-shale fracturing tests near Rock Springs, Wyo. [with list of references] by G. G. Campbell, W. G. Scott, and J. S. Miller. [June 1970.] [3]+21 p. il. 4° [Report based on work done in co-operation with U.S. Navy and University of Wyoming.] † Mines Bureau, Pittsburgh, PA 15213
- 11585 7398. Electrowinning misch metal from treated bastnaesite concentrate [with list of references] by E. S. Shedd, J. D. Marchant, and M. M. Wong. [June 1970.] [3]+11 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213
- 11586 7399. Prediction of coke strength and carbonization product yields from exploration data [with list of references]; by Manuel Gomez and Kathleen Hazen. [July 1970.] [3]+37 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213
- 11587 7402. Electrochemical recovery of high-purity nickel and cobalt from crude nickel and ferronickel: by F. T. Brooks and G. M. Potter. June 1970. [2]+11+25 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213
- 11588 7403. Respirator filter penetration using sodium chloride aerosol: by B. I. Ferber, F. J. Brenenborg, and A. Rhode. [June 1970.] [3]+10 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213
- 11589 7404. Factors related to mineral separation in vacuum [with list of references]; by Foster Fraas. [June 1970.] [3]+13 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213
- 11590 7405. Viscosity of helium-nitrogen system from 133° to 740° K for pressures between 1 and 240 atmospheres [with list of references]; by Robert E. Wood and W. J. Boone, jr. [July 1970.] [2]+11+180 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213
- 11591 7406. In situ tests of bearing capacity of roof and floor in selected bituminous coal mines, progress report, longwall mining [with list of references]; by A. J. Barry and Oscar B. Nair. June 1970. [3]+20 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213
- 11592 7407. Effects of explosive properties on free-surface displacement pulses and crater dimensions [with list of references]; by Richard L. Fischer, Dennis V. D'Andrea, and David E. Fogelson. [July 1970.] [3]+32 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213
- 11593 7408. Slagging fixed-bed gasification of North Dakota lignite at pressures to 400 psig [with list of references]; by G. H. Gronhovd, [and others]. [July 1970.] [2]+11+40 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213
- 11594 7409. Crater scaling in granite for small charges [with list of references]; by Dennis V. D'Andrea, Richard L. Fischer, and Arlo D. Hendrickson. [July 1970.] [2]+11+28 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213
- 11595 7411. Magnetic roasting and leaching for upgrading Minnesota manganese iron ores; by H. D. Jacobs. [July 1970.] [3]+13 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213
- 11596 7417. Geochemical investigations for gold, antimony, and silver at Scribner, Idaho; by D'Arcy J. Banister. [July 1970.] [3]+7 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213

MISSOURI BASIN INTER-AGENCY COMMITTEE

NOTE.—The chairman of the Missouri Basin Inter-Agency Committee for fiscal year 1970 is Brig. Gen. C. Craig Cannon, Division Engineer, U.S. Army Corps of Engineers, P.O. Box 103, Omaha, NB 68101.

- 11597 Annual progress report, fiscal year 1969. [1970.] [4]+30+[1] p. 4° †  
L.C. card 61-60376 Y 3 M 69: 1/969
- 11598 Minutes of 158th meeting, Pierre, S.D., Sept. 23-24, 1969; [prepared by Robert D. Burns]. cover title, [137] p. 4° †  
L.C. card 57-33283 Y 3 M 69: 2 M 66/969-3
- 11599 Minutes of 159th meeting, Sioux City, Iowa, Dec. 3-4, 1969; [prepared by Robert D. Burns]. [1970.] cover title, [94] p. 4° †  
L.C. card 57-33283 Y 3 M 69: 2 M 66/969-4

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
Washington, DC 20546

- 11600 ITOS, night-day meteorological satellite; [prepared by TOS Project, Goddard Space Flight Center]. [1970.] cover title, 28 p. il. oblong 8° [Text on p. 2-3 of cover.] \* Paper, 40c. ● Item 830-C  
L.C. card 74-608141 NAS 1.2: M 56/2
- NASA contractor report CR (series). NAS 1.26:(nos.)
- 11601 1451. Alternator and voltage regulator-exciter for a Brayton cycle space power system: 1, Design and development [with list of references]; by A. M. Dryer [and others]. May 1970. cover title, v+264 p. il. 4° [Prepared under contract NAS 3-6013 by General Electric Company, Erie, Pa. Issued by originator as report A69-003, v. 1.] † Paper, \$3.00.

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 65

GOVERNMENT PUBLICATIONS

NASA contractor report CR (series)—Continued

- 11602 1509. Cb-1Zr Rankine system corrosion test loop [with list of references]; by E. E. Hoffman and J. Holowach. June 1970. cover title, xxv+440 p. il. 4° [Prepared under contract NAS 3-2547 by General Electric Company, Cincinnati, Ohio.]  $\Phi$  Paper, \$3.00.
- 11603 1523. Evaluation of gust-alleviation characteristics and handling qualities of free-wing aircraft [with lists of references]; by Richard F. Porter and Joe H. Brown, Jr. Apr. 1970. cover title, [41+151 p. il. 4° [Prepared under contract NAS 2-5116 by Battelle Memorial Institute, Columbus Laboratories, Columbus, Ohio.]  $\Phi$  Paper, \$3.00.
- 11604 1529, pt. 1. Study of 30 KM to 200 KM meteorological rocket sounding systems: v. 1, Literature and data review; by Bruce Bollermann. May 1970. cover title, xvii+426 p. il. 4° [Prepared under contract NAS 8-20797 by Space Data Corporation, Phoenix, Ariz.]  $\Phi$  Paper, \$3.00.  
L.C. card 79-607487
- 11605 1533. High velocity explosively driven guns [with list of references]; by J. D. Watson. June 1970. cover title, ix+102 p. il. 4° [Prepared under contract NAS 2-4903 by Physics International Company, San Leandro, Calif. Issued by originator as report PIFR-113.]  $\Phi$  Paper, \$3.00.
- 11600 1536. Investigation of effects of surrounding structure on sonic fatigue [with list of references]; by Thomas F. Nelson. May 1970. cover title, [11+76 p. il. 4° [Prepared under contract NAS 1-8120 by Lockheed-Georgia Company, Marietta, Ga.]  $\Phi$  Paper, \$3.00.
- 11607 1537. Contamination of refractory metals by oxygen, water vapor, and carbon monoxide [with list of references]; by M. D. Ketchum and C. A. Barrett. May 1970. cover title, x+120 p. il. 4° [Prepared under contract NAS 3-8518 by General Electric Company, Schenectady, N.Y. Issued by originator as report S-69-1114.]  $\Phi$  Paper, \$3.00.  
L.C. card 75-607924
- 11608 1539. Advancements in structural dynamic technology resulting from Saturn V programs: v. 1 [with list of references]; by P. J. Grimes [and others]. June 1970. cover title, xi+44 p. il. 4° [Prepared under contract NAS 1-8531 by Boeing Company, Huntsville, Ala.]  $\Phi$  Paper, \$3.00.
- 11609 1540. Advancements in structural dynamic technology resulting from Saturn V programs: v. 2 [with list of references]; by P. J. Grimes [and others]. June 1970. cover title, xiii+151 p. il. 4° [Prepared under contract NAS 1-8531 by Boeing Company, Huntsville, Ala.]  $\Phi$  Paper, \$3.00.
- 11610 1548. Stagnation point analysis of coupled viscous-radiating flow with massive blowing [with list of references]; by K. H. Wilson. June 1970. cover title, ix+[1]+92 p. il. 4° [Prepared under contract NAS 7-632 by Lockheed Aircraft Corporation, Palo Alto, Calif.]  $\Phi$  Paper, \$3.00.
- 11611 1558. Analysis of flight test data on C-141A aircraft [with list of references]; by J. H. Paterson [and others]. June 1970. cover title, iv+166 p. il. 4° [Prepared under contract NAS 1-8366 by Lockheed-Georgia Company, Marietta, Ga. Issued by originator as Lockheed-Georgia Co. report ER-10153.]  $\Phi$  Paper, \$3.00.
- 11612 1571. Primary loop electromagnetic pump design [with list of references]; by J. W. Gahan, P. T. Pileggi, and A. H. Powell. June 1970. cover title, x+113 p. il. 4° [Prepared under contract NAS 3-10604 by General Electric Co., Cincinnati, Ohio. Issued by originator as report GESP-337.]  $\Phi$  Paper, \$3.00.
- 11613 1573. Experimental study of rotor blade-vortex interaction [with list of references]; by Makam Surendralah. May 1970. cover title, xiv+60 p. il. 4° [Prepared under grant NGR 39-009-111 by Pennsylvania State University, University Park, Pa.]  $\Phi$  Paper, \$3.00.
- 11614 1574. Supersonic flutter of thermally stressed flat plate with edge stiffeners [with list of references]; by Harmohan Singh Sikand and Charles Libove. May 1970. cover title, viii+64 p. il. 4° [Prepared under grant NSG-385 by Syracuse University, Syracuse, N.Y. Issued by originator as report ME 1065-699.]  $\Phi$  Paper, \$3.00.
- 11615 1577. Method for determining characteristic functions associated with aeroelastic instabilities of helicopter rotors in forward flight [with list of references]; by Vincent J. Piarulli and Richard P. White, Jr. June 1970. cover title, iii+73 p. il. 4° [Prepared under contract NAS 1-9261 by Rochester Applied Science Associates, Inc. Issued by originator as report 69-10.]  $\Phi$  Paper, \$3.00.
- 11616 1585. Measurement of non-continuum and turbulence effects on subsonic sphere drag [with list of references]; by Neil A. Zarin. June 1970. cover title, xiv+125 p. il. 4° [Prepared under grant NGR 23-005-003 by University of Michigan, Ann Arbor, Mich.]  $\Phi$  Paper, \$3.00.
- 11617 1601. Motion drive signals for piloted flight simulators [with list of references]; by Stanley F. Schmidt and Bjorn Conrad. May 1970. cover title, [1]+viii+75 p. il. 4° [Prepared under contract NAS 2-4869 by Analytical Mechanics Associates, Inc., Palo Alto, Calif.]  $\Phi$  Paper, \$3.00.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

# AUGUST 1970

- 11618 1606. Study to develop neutron activation for measuring bone calcium content [with list of references]; by H. R. Lukens, jr., D. M. Fleishman, and J. K. Mac Kenzie, June 1970. cover title, [4]+80 p. il. 4° [Prepared under contract NAS 2-5178 by Gulf General Atomic Incorporated, San Diego, Calif.]  $\Phi$  Paper, \$3.00.  
L.C. card 74-608125
- 11619 1612. Linear time optimal control problem from a calculus of variations point of view [with list of references]; by Lawrence M. Hanafy, June 1970. cover title, [1]+20 p. 4° [Prepared under grant NGL-34-002-032 by North Carolina State University, Raleigh, N.C.]  $\Phi$  Paper, \$3.00.
- 11620 1615. Turbulent mixing in initial region of heterogeneous axisymmetric coaxial confined jets [with list of references]; by Kirti N. Ghia, T. Paul Torda, and Zalman Lavan, May 1970. x+80 p. il. 4° [Prepared under grant NGR-14-004-008 by Illinois Institute of Technology, Chicago, Ill.]  $\Phi$  Paper, \$3.00.
- 11621 1616. Experimental investigation of advanced concepts to increase turbine blade loading: vi, Performance evaluation of modified tandem rotor blade [with list of references]; by H. G. Lueders, June 1970. cover title, v+23 p. il. 4° [Prepared under contract NAS 3-7902 by Allison Division, General Motors, Indianapolis, Ind.]  $\Phi$  Paper, \$3.00.
- 11622 1618. Acoustic tests of flexible spacecraft model [with list of references]; by W. E. Noonan, and J. R. Dalber, June 1970. cover title, v+107 p. il. 4° [Prepared under contract NAS 1-8838 by McDonnell Douglas Astronautics Company.]  $\Phi$  Paper, \$3.00.
- 11623 1619. Lunar escape systems (LESS) feasibility study: v. 1, Summary report; by J. O. Matzenauer, June 1970. cover title, vii+20 p. il. 4° [Prepared under contract NAS 1-8923 by Space Division, North American Rockwell Corporation, Downey, Calif. Issued by originator as report SD 69-598-1.]  $\Phi$  Paper, \$3.00.
- 11624 1629. University role in astronaut life support systems, water recovery systems [with list of references]; by John R. Tole, June 1970. cover title, v+55 p. il. 4° [Prepared under grant NGR-22-009-312 by Center for Space Research, Massachusetts Institute of Technology, Cambridge, Mass.]  $\Phi$  Paper, \$3.00.
- 11625 1631. XB-70 flight test data comparisons with simulation predictions of inlet unstart and buzz [with list of references]; by Arnold W. Martin and Warren D. Beaulieu, June 1970. cover title, v+28 p. il. 4° [Prepared under contract NAS 4-1175 by North American Rockwell Corporation, Los Angeles, Calif.]  $\Phi$  Paper, \$3.00.

## NASA SP (series).

NAS 1.21: (nos.)

- 11626 187. Fourth symposium on role of vestibular organs in space exploration, held under auspices of Committee on Hearings, Bioacoustics, and Biomechanics, National Academy of Sciences, National Research Council and assisted by Office of Advanced Research and Technology, National Aeronautics and Space Administration, Naval Aerospace Medical Institute, Naval Aerospace Medical Center, Pensacola, Fla., Sept. 24-26, 1968, 1970. x+385 p. il. 4° (Scientific and Technical Information Division, Office of Technology Utilization.)  $\Phi$  Paper, \$4.50. ● Item 830-I  
L.C. card 66-60689
- 11627 234. Portable life support systems, conference held at Ames Research Center, Moffett Field, Calif. Apr. 30 May 2, 1969 [papers, with bibliographies]; prepared by Ames Research Center, 1970. vi+389 p. il. 4° (Scientific and Technical Information Division, Office of Technology Utilization.)  $\Phi$  Paper, \$3.00.  
L.C. card 72-607307

## NASA technical note TN (series).

NAS 1.14: D-(nos.)

- 11628 D-5541. Infinite periodic minimal surfaces without self-intersections [with list of references]; by Alan H. Schoen, May 1970. cover title, vii+92 p. il. 4°  $\Phi$  Paper, \$3.00.  
L.C. card 77-607938
- 11629 D-5666. Analysis of hybrid phase-lock loop [with list of references]; by Thomas L. Stewart, June 1970. cover title, [1]+19 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11630 D-5682. Computer solution of unsteady Navier-Stokes equations for infinite hydrodynamic step bearing [with list of references]; by Henry A. Putre, Apr. 1970. cover title, [1]+28+[1] p. il. 4°  $\Phi$  Paper, \$3.00.
- 11631 D-5693. X-ray observations of flow patterns in mercury boiler [with list of references]; by Alex Vary, June 1970. cover title, iii+36 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11632 D-5709. Discussion of Hill's method of secular perturbations and its application to determination of zero-rank effects in non-singular vectorial elements of planetary motion [with list of references]; by Peter Musen, May 1970. cover title, vi+23 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11633 D-5721. Shock wave shapes and surface pressures on hemisphere- and cone cylinders in low-density hypersonic flow including ablation [with list of references]; by Daryl J. Monson and Donald M. Kuehn, Apr. 1970. cover title, iii+13 p. il. 4°  $\Phi$  Paper, \$3.00.

$\Phi$ For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 67

GOVERNMENT PUBLICATIONS

NASA technical note TN (series)—Continued

- 11634 D-5725. Computerized onboard expeditious monitor and maintenance analyst (EMMA) for spacecraft systems [with list of references]; by Willard W. Anderson, Ralph W. Will, and Kenneth L. Jacobs. May 1970. cover title, [1]+38 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11635 D-5727. Induced interference effects on aerodynamic characteristics of 0.16-scale six-jet V/STOL model in transition [with list of references]; by Matthew M. Winston. Mar. 1970. cover title, [1]+73 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11636 D-5729. Exploratory wind-tunnel investigation of wake effect of panel tip-mounted fan-jet engine on lift-induced vortex [with list of references]; by James C. Patterson, jr., and Stuart G. Flechner. May 1970. cover title, [1]+41 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11637 D-5732. Effects of nuclear radiation on high-reliability silicon power diode: 2, Analysis of forward electrical characteristics [with list of references]; by Julian F. Been. Apr. 1970. cover title, [1]+26 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11638 D-5736. Preparation of fibered ceramics by mechanical deformation [with list of references]; by Robert W. Jech, John W. Weeton, and Robert A. Signorelli. Apr. 1970. cover title, [1]+26 p. il. 4°  $\Phi$  Paper, \$3.00. L.C. card 72-606890
- 11639 D-5738. Experimental cavitation and flashing of potassium flowing adiabatically through venturi sized as boiler inlet [with list of references]; by Orlando A. Gutierrez and David B. Fenn. Apr. 1970. cover title, iv+69 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11640 D-5740. Response of several turbojet airplanes to runway roughness [with list of references]; by Garland J. Morris. Mar. 1970. cover title, [1]+64 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11641 D-5751. Study of Brayton-cycle power generation system using SNAP-8 nuclear reactor as energy source [with list of references]; by Donald C. Guentert and Roy L. Johnsen. Apr. 1970. cover title, [1] + 31 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11642 D-5752. Experiments on stability of water-lubricated three-sector hydrodynamic journal bearings at zero load [with list of references]; by Frederick T. Schuller and William J. Anderson. Apr. 1970. cover title, [1]+20 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11643 D-5754. Flow-field investigation for large-angle cones with short spikes at Mach number of 9.6 [with list of references]; by W. Frank Staylor. Apr. 1970. cover title, [1]+37 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11644 D-5755. Sonic-boom characteristics in extreme near field of complex airplane model at Mach numbers of 1.5, 1.8, and 2.5 [with list of references]; by Odell A. Morris, Milton Lamb, and Harry W. Carlson. Apr. 1970. cover title, [1]+27 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11645 D-5761. Effect of Reynolds number on overall performance of 6-inch radial bladed centrifugal compressor [with list of references]; by Laurence J. Heidelberg, Calvin L. Ball, and Carl Weigel. Apr. 1970. cover title, [1]+24 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11646 D-5774. Instability of slender thin-walled booms due to thermally induced bending moments [with list of references]; by Vernon K. Merrick. May 1970. cover title, vii+58 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11647 D-5775. Error control using concatenated code [with list of references]; by Bernhard Dorsch and Warner H. Miller. June 1970. cover title, iii+17 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11648 D-5783. Estimation of gamma phase composition in nickel-base superalloys (based on geometric analysis of four-component phase diagram) [with list of references]; by Robert L. Dreshfield. May 1970. cover title, [1]+20 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11649 D-5785. Gauss quadrature rules involving some nonclassical weight functions [with list of references]; by Paul F. Byrd and David C. Galant. May 1970. cover title, iv+36 p. 4°  $\Phi$  Paper, \$3.00.
- 11650 D-5789. Theory of separation of variables for linear partial differential equations of second order in two independent variables [with list of references]; by Marvin E. Goldstein. May 1970. cover title, iv+133 p. 4°  $\Phi$  Paper, \$3.00. L.C. card 73-607929
- 11651 D-5793. Performance and deployment characteristics of twin-keel parawing with various amounts and permeabilities of porous materials in outer lobes [with list of references]; by Harry L. Morgan, jr. May 1970. cover title, [1]+39 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11652 D-5796. High-altitude flight tests of 40-foot diameter (12.2 meter) ring-sail parachute at deployment Mach number of 2.95 [with list of references]; by Clinton V. Eckstrom. June 1970. cover title, [1]+49 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11653 D-5800. Performance of 75-millimeter-bore bearings to 1.8 million DN with electron-beam-welded hollow balls; by Harold H. Coe, Herbert W. Scibbe, and Richard J. Parker. May 1970. cover title, [1]+21 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11654 D-5801. Stability study and modal analysis of space-station, centrifuge configuration [with list of references]; by Robert K. Sleeper and Harold C. Lester. May 1970. cover title, [1]+75 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11655 D-5803. Evaluation of finite-element analysis for longitudinal vibrations of liquid-propellant launch vehicles [with list of references]; by Larry D. Pinson. June 1970. cover title, [1]+57 p. il. 4°  $\Phi$  Paper, \$3.00.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

- 11656 D-5805. Buffet and static aerodynamic characteristics of a systematic series of wings determined from subsonic wind-tunnel study [with list of references]; by Edward J. Ray and Robert T. Taylor. June 1970. cover title, [1]+265 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11657 D-5808. Nonlinear fluid oscillations in partially filled axisymmetric container of general shape [with list of references]; by John Ray Admire. June 1970. cover title, vi+69 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11658 D-5810. Equations for study of clamshell ejection concepts for spinning rocket vehicles [with bibliography]; by Lawrence F. Hatakeyama. June 1970. cover title, iii+21 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11659 D-5812. Goddard Space Flight Center test philosophy and resultant record [with list of references]; by John H. Boeckel, Albert R. Timmins, and Kenneth R. Mercy. July 1970. cover title, iii+15 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11660 D-5813. Condensers and boilers for steam-powered cars, parametric analysis of their size, weight, and required fan power [with list of references]; by William C. Strack. May 1970. cover title, iii+58 p. il. 4°  $\Phi$  Paper, \$3.00.  
L.C. card 78-607906
- 11661 D-5815. Effect of operating parameters on net power output of 2- to 10-kilowatt Brayton rotating unit [with list of references]; by Robert Y. Wong [and others]. May 1970. cover title, [1]+17 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11662 D-5816. Static aerodynamic characteristics, pressure distributions, and ram-air inflation of attached inflatable decelerator models at Mach 3.0 [with list of references]; by William D. Develkis and James Wayne Sawyer. May 1970. cover title, [1]+59 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11663 D-5817. Evaluation of 2 guidance schemes for manned lunar landing [with list of references]; by George J. Hurt, Jr., Hugh P. Bergeron, and James J. Adams. May 1970. cover title, [1]+44 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11664 D-5819. Theoretical study of conditions limiting V/STOL testing in wind tunnels with solid floor [with list of references]; by Harry H. Heyson. June 1970. cover title, [1]+328 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11665 D-5821. Automatic cell counter; by Leon Bess. June 1970. cover title, [1]+23 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11666 D-5822. Interaction of methane, ethane, ethylene, and acetylene with iron (001) surface and their influence on adhesion studies with LEED and auger [with list of references]; by Donald H. Buckley. May 1970. cover title, [1]+24 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11667 D-5823. Analytic calculation of launch vehicle response to winds and calculation of optimal biased pitch programs [with list of references]; by Janos Borsody. May 1970. cover title, [1]+38 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11668 D-5824. Filamentary crystal growth associated with hypervelocity microparticle impact craters [with list of references]; by Otto E. Berg and J. A. M. McDonnell. June 1970. cover title, iii+6 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11669 D-5826. Dynamic analysis of XE-70-1 inlet pressure fluctuations during takeoff and prior to compressor stall at Mach 2.5 [with list of references]; by Richard A. Martin. June 1970. cover title, [1]+56 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11670 D-5828. Lifting entry ( $L/D \leq C.2$ ) for unmanned Viking class Mars landers [with list of references]; by E. Brian Pritchard and Edwin F. Harrison. June 1970. cover title, [1]+39 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11671 D-5829. Investigation of fine-pointing control system of soft-gimballed orbiting telescope [with list of references]; by Frederick R. Morrell. June 1970. cover title, [1]+37 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11672 D-5831. Application of analysis and models to structural dynamic problems related to Apollo-Saturn V launch vehicle [with lists of references]; coordinator, Sumner A. Leadbetter. June 1970. cover title, iii+103 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11673 D-5835. Improved data agreement using new eddy viscosity equations in coaxial free-jet computer code [with list of references]; by Henry A. Putre. May 1970. cover title, [1]+18 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11674 D-5838. Some turbulent boundary layer measurements obtained from forebody of airplane at Mach numbers up to 1.72 [with list of references]; by Edwin J. Saltzman and David F. Fisher. June 1970. cover title, [1]+45 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11675 D-5839. Visual appearance of polymeric contamination; by Harold Shapiro. June 1970. cover title, iii+12 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11676 D-5841. Leak detector for use in space environment; by K. W. Woodis. June 1970. cover title, iv+26 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11677 D-5843. Experimental investigation of an attitude control system that uses star trackers and inertia wheels [with one reference]; by Robert D. Showman and Bruce H. Dishman. June 1970. cover title, v+36 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11678 D-5846. Charts for estimating boundary-layer transition on flat plates [with list of references]; by Edward J. Hopkins, Don W. Jille and Virginia L. Sorensen. June 1970. cover title, iv+27 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11679 D-5848. Laser breakdown of copper vapor [with list of references]; by Victor E. Scherrer. June 1970. cover title, [1]+8 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11680 D-5853. Guidance and control payload support requirements for planetary cartographic probe [with list of references]; by Saul Moskowitz. June 1970. cover title, [1]+43 p. il. 4°  $\Phi$  Paper, \$3.00.

GOVERNMENT PUBLICATIONS

NASA technical note TN (series)—Continued

- 11681 D-5857. Full-scale wind tunnel investigation of static longitudinal and lateral characteristics of light single engine low-wing airplane [with list of references]; by James Shivers, Marvin P. Fink and George M. Ware. June 1970. cover title, [1]+63 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11682 D-5858. 4 microsecond flashing light synchronized with framing of motion picture cameras and its application in Schlieren photography [with list of references]; by Walter F. Lindsey and Joseph Burlock. June 1970. cover title, [1]+33 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11683 D-5859. Geometric properties of modified whirling-membrane solar-energy concentrator [with list of references]; by John M. Jerke and Atwood R. Heath, jr. June 1970. cover title, [1]+42 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11684 D-5860. Evaluation of VTOL flight-director concept during constant-speed instrument approaches [with list of references]; by James R. Kelly, Frank R. Niessen, and Robert W. Somner. June 1970. cover title, [1]+21 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11685 D-5861. Experimental investigation of multiple-jet liquid injection and hypersonic flow [with list of references]; by William F. Hinson, Paul B. Gooderum, and Dennis M. Bushnell. June 1970. cover title, [1]+40 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11686 D-5862. Simulator study of instrument landing approach of heavy subsonic jet transport with external-flow jet-flap system used for additional lift [with list of references]; by William D. Grantham, Perry L. Deal, and Robert W. Somner. June 1970. cover title, [1]+35 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11687 D-5866. Metallization systems for integrated circuits; by Rosemary P. Beatty. July 1970. cover title, [1]+23 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11688 D-5867. Thermal contraction of Mercury [with list of references]; by Han-Shou Lin. June 1970. cover title, iii+9 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11689 D-5871. Computer and engine performance study of generalized parameter fuel control for jet engines [with list of references]; by Kurt Seldner and Harold Gold. June 1970. cover title, [1]+33 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11690 D-5872. Effects of gravity on laminar gas jet diffusion flames [with list of references]; by Thomas H. Cochran and William J. Masica. June 1970. cover title, [1]+24 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11691 D-5875. Apparent solubilities of commercially pure and oxygen-doped tantalum and niobium in liquid potassium [with list of references]; by Stephan Stecura. July 1970. cover title, [1]+33 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11692 D-5876. Fabrication of uranium mononitride compacts [with list of references]; by Robert K. Metroka. July 1970. cover title, [1]+28 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11693 D-5878. Analytical methods of steady state heat transfer of two-dimensional porous media [with list of references]; by Robert Siegel, and Marvin E. Goldstein. July 1970. cover title, [1]+34 p. il. 4°  $\Phi$  Paper, \$3.00.
- 11694 D-5882. Long-range atomic interaction potentials for nitrogen [with list of references]; by Willard E. Meador. July 1970. cover title, [1]+24 p. 4°  $\Phi$  Paper, \$3.00.
- 11695 D-5885. Aerodynamic characteristics of hypersonic transport configuration at Mach 6.86 [with list of references]; by William J. Small, Frank S. Kirkham, and David E. Fetterman. June 1970. cover title, [1]+24 p. il. 4°  $\Phi$  Paper, \$3.00.

NASA technical report R (series).

- 11696 336. Series capacitor inverter-converter for multikilowatt power conversion [with list of references]; by Francis C. Schwarz. Apr. 1970. cover title, [1]+36 p. il. 4°  $\Phi$  Paper, \$3.00.

NAS 1.12: 336

NASA technical translation TT (series).

NAS 1.13/2: F-(nos.)

- 11697 F-579. Motion of artificial satellite in eccentric gravitation field [with bibliography]; by V. G. Demin. May 1970. cover title, iv+329 p. il. 4° [Nauka Press, Moscow, 1968.]  $\Phi$  Paper, \$3.00.  
L.C. card 78-607851
- 11698 F-587. Problems of atmospheric physics, collection 5 [articles, with lists of references]; edited by K. Ya. Kondrat'yev. June 1970. cover title, vi+264 p. il. 4° [Leningrad State University Press, Leningrad, 1967.]  $\Phi$  Paper, \$3.00.  
L.C. card 70-608203
- 11699 F-588. Elementary particles and cosmic rays [with lists of references]; V. A. Bezu and I. L. Rozenthal, editors. May 1970. cover title, v+144 p. il. 4° [Ames Press, Moscow, 1967.]  $\Phi$  Paper, \$3.00.  
L.C. card 75-607845
- 11700 F-595. Goals and means in conquest of space [with list of references]; by R. G. Perelman. May 1970. cover title, iii+178 p. il. 4° [Nauka Press, Moscow, 1967.]  $\Phi$  Paper, \$3.00.  
L.C. card 73-608114
- 11701 F-596. Titanium alloys for modern technology [with lists of references]; by N. P. Sazhin, et al. Mar. 1970. cover title, vii+333 p. il. 4° [Nauka Press, Moscow, 1968.]  $\Phi$  Paper, \$3.00.  
L.C. card 70-606915

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available



- 11702 F-599. Astrometry and astrophysics: no. 4, Physics of comets [articles with lists of references]; edited by V. P. Konopleva. June 1970. cover title, vi+198 p. il. 4° [Naukova Dumka Press, Kiev, 1969.] ♣ Paper, \$3.00. L.C. card 78-607843
- 11703 F-602. Laminar boundary layer in presence of suction [with list of references]; by L. F. Kozlov. June 1970. cover title, viii+169 p. il. 4° [Institute of Hydromechanics, Academy of Sciences of Ukrainian SSR, Naukova Dumka Press, Kiev, 1968.] ♣ Paper, \$3.00. L.C. card 78-607860
- 11704 F-606. Astrometry and astrophysics: no. 5, Problems of atmospheric optics [with lists of references]; edited by I. G. Kolchinskly. June 1970. cover title, v+106 p. il. 4° [Naukova Dumka Press, Kiev, 1969.] ♣ Paper, \$3.00.
- 11705 F-609. Signal of human operator state [with list of references]; by A. N. Luk'yanov and M. V. Frolov. June 1970. cover title, xiii+260 p. il. 4° [Nauka Press, Moscow, 1969.] ♣ Paper, \$3.00.
- 11706 F-613. Two phase flow in turbines and reaction nozzles [with list of references]; by V. D. Venediktov. June 1970. cover title, xiv+187 p. il. 4° [Mashinostroyeniye Press, Moscow, 1969.] ♣ Paper, \$3.00. L.C. card 70-607833
- 11707 F-615. Development of receptor structures in inner ear of vertebrates [with list of references]; by L. K. Titova. May 1970. cover title, iii+273 p. il. 4° [Nauka Press, Leningrad, 1968.] ♣ Paper, \$3.00. L.C. card 74-607834
- 11708 F-616. Physiology of vestibular analyzer [with lists of references]; edited by V. V. Parin and M. D. Yemel'yanov. June 1970. cover title, ix+243 p. il. 4° [Joint Scientific Council on Human and Animal Physiology, Academy of Sciences USSR, Nauka Press, Moscow, 1968.] ♣ Paper, \$3.00. L.C. card 79-607984
- 11709 Opportunities for participation in space flight investigations; NHB 8030.1A, Memorandum change 27. Mar. 3, 1970. 10 p. 4° [Changes 1 through 26 have been cancelled.] \* Paper, \$1.75, (including basic handbook and supplementary material for one year); 50c additional for foreign mailing. ● Item 830-F NAS 1.18: Sp 1/2/ch.27
- 11710 — NHB 8030.1A, Memorandum change 28. June 2, 1970. 11 p. 4° \* Paper, \$1.75 (including basic handbook and supplementary material for one year); 50c. additional for foreign mailing. ● Item 830-F NAS 1.18: Sp 1/2/ch.28
- 11711 Report of Apollo 13 Review Board [to Administrator, National Aeronautics and Space Administration]. [1970.] cover title, [208] p. il. 4° [Revised p. 4-5 issued also. Some illustrations are colored.] † L.C. card 76-608139 NAS 1.2: Ap 4/3
- NATIONAL AIR POLLUTION CONTROL ADMINISTRATION, Health, Education, and Welfare Dept., Washington, DC 20204**
- 11712 Air pollution report, Federal facilities: Hartford, New Haven, Springfield, interstate air quality control region [with list of references and notes; by Robert S. Russo]. May 1970. [3]+27 p. il. 4° † ● Item 483-E L.C. card 77-607264 HE 20.1310/2: H 25
- 11713 Air quality criteria for carbon monoxide, summary and conclusions. Mar. 1970. [1]+7 p. 4° [Reprinted from National Air Pollution Control Administration publication AP 62.] † HE 20.1309/a: C 17
- 11714 Air quality criteria for hydrocarbons, summary and conclusions. Mar. 1970. [1]+5 p. 4° [Reprinted from National Air Pollution Control Administration publication AP 64.] † HE 20.1309/a: H 99
- 11715 Air quality criteria for photochemical oxidants, summary and conclusions. Mar. 1970. [1]+13 p. 4° [Reprinted from National Air Pollution Control Administration publication AP 63.] † HE 20.1309/a: P 56
- National Air Pollution Control Administration publication RPTD (series).
- 11716 70-3. Interstate effects surveillance network, tabulation of data, Jan.-Dec. 1969. May 1970. 203 p. 4° (Division of Air Quality and Emission Data.) † Office of Technical Information and Publications, 1033 Wade Ave., Raleigh, NC 27605 ● Item 483 HE 20.1309/2: 70-3

## GOVERNMENT PUBLICATIONS

- 11717 National emission standards study, report [with lists of references]; appendix, report to Congress by Secretary of Health, Education, and Welfare, in compliance with Public law 90-148, Clean air act, as amended. Mar. 1970. † ● Item 483-E-1  
 L.C. card 76-608104 HE 20.1302: Em 4/app./v. (nos.)  
 v. 1. App. A-E. [228] p. il. 4° †  
 v. 2. App. F, pt. 1. vi+F-1-F-264 p. il. 4°  
 v. 3. App. F, pt. 2. v+F265-F523 p. il. 4°

### NATIONAL ARCHIVES AND RECORDS SERVICE, General Services Administration, Washington, DC 20408

#### National Archives inventory series.

- 11718 1. Records of Headquarters of Army, National Archives inventory record group 108; compiled by Aloha South. 1970. vii+32 p. 4° (National Archives.) †  
 L.C. card 73-801732 GS 4.10/2:1

#### National Archives microfilm publication: Pamphlet accompanying [Microcopy]. (National Archives.) † GS 4.20:(nos.)

- 11719 277. Passenger lists of vessels arriving at Boston, 1820-91; [prepared by Joyce D. Clarrocchi]. 1970. cover title, 7 p.  
 11720 304. Despatches from United States consuls in Tampico, Mexico, 1824-1906; [prepared by Ralph E. Huss]. 1970. cover title, 4 p.  
 11721 335. Records of Department of State relating to internal affairs of India and Burma, 1910-29; [prepared by Ralph E. Huss]. 1970. cover title, 15 p.  
 11722 341. Records of Department of State relating to political relations between China and other States, 1910-29; [prepared by Ralph E. Huss]. 1970. cover title, 6 p.  
 11723 596. Quarterly abstracts of passenger lists of vessels arriving at Baltimore, 1820-69; [prepared by T. J. Stallans]. 1970. cover title, 4 p.  
 11724 610. Records of Department of State relating to internal affairs of Haiti, 1910-29; [prepared by James E. Primas]. 1970. cover title, 11 p.  
 11725 683,684. Records of Department of State relating to political relations between United States and Netherlands and between Netherlands and other States, 1910-29; [prepared by Frank S. Soriano]. 1970. cover title, [1]+11 p.  
 11726 698. Index to general correspondence of Adjutant General's Office, 1890-1917. 1970. cover title, 31 p.  
 11727 733. Letters sent by Secretary of Treasury relating to public lands ("N" series), 1801-78; [prepared by Judy T. Parker]. 1970. cover title, 4 p.  
 11728 814. Interior Department appointment papers: Territory of Oregon, 1849-1917. 1970. cover title, 19 p.  
 11729 818. Index to compiled service records of Confederate soldiers who served in organizations raised directly by Confederate government and of Confederate general and staff officers and nonregimental enlisted men. 1970. 5 p.

### NATIONAL BUREAU OF STANDARDS, Commerce Dept. Gaithersburg, MD 20760

#### Monographs. ● Item 247-A C 13.44:(nos.)

- 11730 113. Research and development in computer and information sciences: [v.] 3. Overall system design considerations, selective literature review [with bibliography; by] Mary Elizabeth Stevens. June 1970. v+143 p. il. 4° (Center for Computer Sciences and Technology.) \* Paper, \$1.25.  
 L.C. card 70-603263  
 11731 115. Calculation of rotational energy levels and rotational line intensities in diatomic molecules [with list of references; by] Jon T. Hougen. June 1970. iv+49 p. 4° \* Paper, 55c.  
 L.C. card 76-604235

#### National standard reference data, NSRD-NBS.

- 11732 32. Phase behavior in binary and multicomponent systems at elevated pressures, n-pentane and methane-n-pentane [with list of references; by] Virginia M. Berry and B. H. Sage. June 1970. viii+66 p. il. 4° [Copyright 1970 by Secretary of Commerce on behalf of United States Government.] \* Paper, 70c. ● Item 248-B  
 L.C. card 78-603442 C 13.48: 32  
 11733 Order form, publications issued in NSRDS series. [1970.] [8] p. narrow 8°  
 † ● Item 240-A C 13.37/4: N 21/2  
 11734 Publications list of National Standard Reference Data System. [1970.] [10] p. narrow 8° (Office of Standard Reference Data.) † ● Item 240-A  
 C 13.37/4: N 21/970

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

Special publication.

- 11735 236. NBS frequency and time broadcast services, radio stations WWV, WWVH, WWVB, and WWVL; P. P. Vezbeck, Editor. 1970 edition. 1970. ii+14 p. il. 4° (Frequency-Time Standards, Institute for Basic Standards.) [Supersedes NBS special publication 236, 1969 and previous editions.] \* Paper, 25c. ● Item 247  
L.C. card 61-60260 C 13.10: 236/8

Technical notes.

C 13.46: (nos.)

- 11736 520. Methods of measurement for semiconductor materials, process control, and devices, Errata. [June 3, 1970.] 1 p. 4° †
- 11737 531. ARPA-NBS program of research on high temperature materials and laser materials [with list of references]; edited by A. D. Franklin and H. S. Bennett. June 1970. iv+71 p. il. 4° [Supported by Advanced Research Projects Agency, Defense Dept.] \* Paper, 70c. ● Item 249-A  
L.C. card 77-606772
- 11738 532. Pollution analysis: Bibliography of literature of activation analysis; G. J. Lutz, editor. June 1970. vi+12+[21] p. 4° \* Paper, 45c. ● Item 249-A
- 11739 533. 14-MeV neutron generators in activation analysis, bibliography; G. J. Lutz, Editor. June 1970. [98] p. 4° (Analytical Chemistry Division, Institute for Materials Research.) \* Paper, \$1.00. ● Item 249-A  
L.C. card 72-608312
- 11740 534. Oceanography, bibliography of selected activation analysis literature; G. J. Lutz, Editor. June 1970. [43] p. 4° \* Paper, 50c. ● Item 249-A  
L.C. card 78-608118
- 11741 538. Disclosures on: Viscous damped wind vane, nonskid road or runway, regrooved pneumatic tire with removable inserts, device for radially positioning rotating wheel, method for fabricating precision waveguide sections distortion-cancelling loudspeaker system, cryogenic fluid density measurements system, controlled-atmosphere weathering device; editors, David Robbins and Alvin J. Englert. June 1970. iv+21 p. il. 4° \* Paper, 35c. ● Item 249-A

Voluntary product standard PS (series). ([Office of Engineering Standards Service.]) ● Item 243 C 13.20/2: (nos.)

- 11742 1-66. Softwood plywood, construction and industrial, amendments 3-6. [1970.] [4] p. 4° [Effective dates range from Mar. 20-June 8, 1970.] †
- 11743 15-69. Custom contact-molded reinforced-polyester chemical-resistant process equipment. [June 1970.] [2]+18 p. [Effective Nov. 15, 1969.] \* Paper, 20c.
- 11744 17-69. Polyethylene sheeting (construction, industrial, and agricultural applications). [2]+10 p. [1970.] [Effective Dec. 31, 1969. Supersedes commercial standard CS 238-61.] \* Paper, 15c.
- 11745 18-69. Acrylonitrile-butadiene-styrene (ABS) plastic pipe (Schedules 40 and 80). [June 1970.] [2]+13+[2] p. [Effective Dec. 31, 1969. Supersedes Commercial standard CS 218-59.] \* Paper, 15c.
- 11746 19-69. Acrylonitrile-butadiene-styrene (ABS) plastic pipe (standard dimension ratio). [June 1970.] [2]+12 p. [Effective Dec. 31, 1969. Supersedes commercial standard CS 254-63.] \* Paper, 15c.
- 11747 21-70. Poly (vinyl chloride) (PVC) plastic pipe (schedules 40, 80, and 120). [June 1970.] [2]+14 p. [Effective Feb. 15, 1970. Supersedes Commercial standard CS 207-60.] \* Paper, 15c.
- 11748 22-70. Poly (vinyl chloride) (PVC) plastic pipe (standard dimension ratio). [June 1970.] [2]+14+[2] p. [Effective Feb. 15, 1970. Supersedes commercial standard CS 256-63.] \* Paper, 20c.
- 11749 23-70. Horticultural grade perlite. [May 1970.] [2]+6 p. \* Paper, 10c.

NATIONAL CANCER INSTITUTE, Health, Education, and Welfare Dept.  
Bethesda, MD 20014

- 11750 Opportunities for research at National Cancer Institute. xiii+39 p. [Includes list of publications available.] † ● Item 507-G-2  
HE 20.3152: R 31/2
- 11751 Research and related programs of National Cancer Institute including roster of staff, advisory bodies, and consultants; prepared by Research Information Branch. [Revised 1969.] [1969.] vii+60 p. 4° ([Public Health Service publication 458-A.]) \* Paper, 65c. ● Item 507-G-2  
L.C. card 68-62926 HE 20.3152: R 31

NATIONAL CENTER FOR HEALTH SERVICES RESEARCH AND DEVELOPMENT, Health, Education, and Welfare Dept.  
Rockville, MD 20852

NCHS-RD (series).

- 11752 70-8. Drug utilization and drug utilization review and control [with list of references; by] Donald C. Brodle. Apr. 1, 1970. [3]+71 p. il. 4° †  
● Item 491-B-2  
L.C. card 76-607541 HE 20.2110: 70-8

GOVERNMENT PUBLICATIONS

- 11753 New careers in health services research and administration [1970.] 181 p. il. narrow 8° † ● Item 491-B-1 HE 20.2102: C 18

NATIONAL CENTER FOR HEALTH STATISTICS, Health, Education, and Welfare Dept., Washington, DC 20201

- 11754 Annual report of U.S. National Committee on Vital and Health Statistics, fiscal year 1969. [1970.] [2]+20 p. ([Public Health Service publication 1725.]) † ● Item 492-A (Rev. 1968) HE 20.2211: 969  
L.C. card 51-60162

- Vital and health statistics: Series 10, Data from National Health Survey.  
11755 60. Current estimates from health interview survey, United States 1968; [by Mary Lou Bauer]. June 1970. vi+57 p. il. 4° ([Public Health Service publication 1000, series 10, no. 60; Division of Health Interview Statistics.]) [Prepared in cooperation with Bureau of Census.] \* Paper, 60c. ● Item 500-E HE 20.2210: 10/no.60  
L.C. card 65-62623

NATIONAL CENTER FOR SOCIAL STATISTICS, Health, Education, and Welfare Dept., Washington, DC 20201

- 11756 [This entry number not used.]  
11757 OAA recipients in 1965, health conditions and health services, by David B. Eppley. [1970.] [1]+5 p. 4° (NCSS report OAA-5 (65).) [Reprinted from Welfare in review, Nov.-Dec. 1969.] † HE 17.602: H 34/965  
11758 Preliminary report of findings, 1969 AFDC [Aid to Families with Dependent Children] study. Mar. 1969. 46 p. 4° (NCSS report AFDC-1 (69).) [Issued with perforations. Erratum, 1 p., issued also.] † HE 17.639: 969  
11759 Public welfare personnel, annual statistical data, fiscal year 1969. [1970.] [23] p. 4° (NCSS report E-2 (fy 1969).) † HE 17.629: 969  
L.C. card 76-602963  
11760 Reasons for opening and closing public assistance cases, Jan.-June 1969. [1970.] [2] p. 10 tab. 4° (NCSS report A-5 (1-6/69).) [Issued with perforations.] † HE 17.613: 969  
11761 Source of funds expended for public assistance payments and for cost of administration, services, and training, fiscal year 1969. [1970.] [1] p. 10 tab. 4° (NCSS report F-2 (FY69).) [Issued with perforations.] † HE 17.631: 969-2  
11762 Trend report: Graphic presentation of public assistance and related data. 1969. cover title, 59 p. il. oblong 8° (NCSS report A-4 (69).) [Issued with perforations.] [Text on p. 2 of cover.] † ● Item 512-B HE 17.612: 969

NATIONAL CLEARINGHOUSE FOR DRUG ABUSE INFORMATION  
5454 Wisconsin Avenue, Chevy Chase, MD 20015

- 11763 Selected drug abuse education films. [1970.] [2]+10+[3] p. \* Paper, 10c. ● Item 831-C PrEx 13.8: F 48

NATIONAL COLLECTION OF FINE ARTS, Smithsonian Institution  
Washington, DC 20560

- 11764 Explorations: The artists. [1970.] [24] p. il. 4° [Issued in connection with exhibition organized by International Art Program; and planned by Gyorgy Kepes and fellows of Center for Advanced Visual Studies, Massachusetts Institute of Technology, Cambridge, Mass. Insert. 1 p. oblong 12° issued also.] \* Paper, 30c. SI 6.2: Ex 7  
L.C. card 77-602075

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

- 11765 — Exhibition contents. [1970.] [24] p. il. 4° [Issued in connection with exhibition organized by International Art Program; and planned by Gyorgy Kepes and fellows of Center for Advanced Visual Studies, Massachusetts Institute of Technology, Cambridge, Mass.] \* Paper, 30c.  
L.C. card 77-602075 SI 6.2 Ex 7/2
- 11766 — Toward civic art; [by Gyorgy Kepes]. [1970.] [8] p. il. 4° [Issued in connection with exhibition organized by International Art Program; and planned by Gyorgy Kepes and fellows of Center for Advanced Visual Studies, Massachusetts Institute of Technology, Cambridge, Mass.] \* Paper, 20c.  
SI 6.2: Ex 7/3

**NATIONAL COMMISSION ON PRODUCT SAFETY**  
1016 16th Street, N.W., Washington, DC 20036

NOTE.—The National Commission on Product Safety was established by PL 90-146, approved Nov. 20, 1967.

- ✓ 11767 Federal consumer safety legislation, study of scope and adequacy of automobile safety, flammable fabrics and hazardous substances programs. June 1970. cover title, xv+213 p. [Text on p. 2 of cover.] \* Paper, \$1.25. ● Item 1089  
L.C. card 70-606730 Y 3.N 21/25: 2 C 76
- ✓ 11768 National Commission on Product Safety, final report presented to the President and Congress. June 1970. xiv+[1]+167+[5]+32 p. il. 4° [Some pages left blank for notes. Text on p. 3 of cover.] \* Paper, \$1.75.  
● Item 1089  
L.C. card 76-606753 Y 3.N 21/25: 1/970

**NATIONAL ENDOWMENT FOR THE ARTS, National Foundation on the Arts and the Humanities, Washington, DC 20506**

- 11769 Annual report, fiscal year 1969, the arts, National Endowment for the Arts and National Council on the Arts. [1970.] 56 p. il. oblong 8° [Text and other illustrations on p. 1-4 of cover.] † ● Item 831-B-2  
L.C. card 76-601521 NF 2.1: 969

**NATIONAL GUARD BUREAU, Defense Dept.**  
Washington, DC 20310

NGB pamphlet.

- 11770 16-1. [United States property and fiscal officer duties and responsibilities]. Change 1, May 20, 1970. [4] p. 4° (ANG pamphlet 11-02; Departments of Army and Air Force.) [Issued with perforations.] † ● Item 358  
D 12.8: 16-1/2/ch.1

**NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT, Health, Education, and Welfare Dept.**  
Bethesda, MD 20014

- 11771 Selected bibliography on death and dying; [by] Joel J. Vernick. [1970.] v+61 p. 4° ([Information Office.]) \* Paper, 65c. ● Item 506-D-3  
L.C. card 75-607348 HE 20.3361: D 34

**NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES, Health, Education, and Welfare Dept., Bethesda, MD 20014**

- 11772 Biomedical engineering, compendium of research training programs supported by National Institute of General Medical Science. Sept. 1969. [1] +iii+59 p. 4° † ● Item 497-C-1  
L.C. card 70-608042 HE 20.3452: B 52

♠For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

NATIONAL INSTITUTE OF MENTAL HEALTH, Health, Education, and Welfare Dept., Chevy Chase, MD 20015

- 11773 Bulletin of suicidology; editors Edwin S. Shneidman [and] David D. Swenson. [July 1968, reprinted Dec. 1969.] cover title, 68 p. il. 4° (National Clearinghouse for Mental Health Information.) \* Paper, 65c.  
HE 20.2413 : 968
- 11774 Community mental health center, bold new approach. [Revised 1970.] [1970.] [8] p. il. narrow 8° ([Public Health Service publication 1643.]) \* Paper, \$5.00 per 100 copies; single copy 10c. ● Item 507-B-5  
HE 20.2402 : C 73/2
- 11775 Comprehensive community services for alcoholics, Williamsburg papers, presented at workshop on comprehensive community services for problem drinkers and their families, Williamsburg, Va., Feb. 1969, sponsored by National Center for Prevention and Control of Alcoholism. 1970. iv +68 p. 4° ([Public Health Service publication 2060; National Clearinghouse for Mental Health Information.]) \* Paper, 65c. ● Item 507-B-5  
L.C. card 75-608081 HE 20.2402 : A1 1/2
- 11776 Directory of narcotic addiction treatment agencies in United States, 1968-1969; [by] Deena Watson [and] S. B. Sells. June 15, 1970. vi+162 p. 4° ([Public Health Service publication 2095]; Center for Studies of Narcotic and Drug Abuse, Division of Narcotic Addiction and Drug Abuse.) [Report of mental health grant 14230 by Institute of Behavioral Research, Texas Christian University, Fort Worth, Tex.] \* Paper, \$1.25. ● Item 507-B-5  
L.C. card 75-608160 HE 20.2402 : N 16/3/968-69
- 11777 EMHC, comprehensive community mental health center, grants for construction and staffing. [1970.] [2]+12+[1] p. oblong 24° ([National Clearinghouse for Mental Health Information publication 5009.]) † ● Item 507-B-5  
L.C. card 77-608166 HE 20.2402 : C 73
- 11778 Role of Federal agencies in crime and delinquency field, compilation of Federal support programs. Apr. 1970. vi+156 p. 4° ([National Clearinghouse for Mental Health Information publication 5029.]) \* Paper, \$1.25. ● Item 507-B-5  
L.C. card 70-608156 HE 20.2402 : C 86

NATIONAL INSTITUTES OF HEALTH, Health, Education, and Welfare Dept., Bethesda, MD 20014

Computer Research and Technology Division : Technical report.

- 11779 4. Time series analysis theory and practice [with list of references]; by R. Mejia and C. Chang. [June 1970.] [138] p. il. 4° (Laboratory of Applied Studies, Division of Computer Research and Technology.) † ● Item 483-U  
L.C. card 78-608177 HE 20.3011 : 4
- 11780 For medical technologists: Frontier of clinical pathology, 6 interviews conducted at National Institutes of Health. [Apr. 1970.] 16 p. il. 4° † ● Item 507 HE 20.3002 : P 27
- 11781 Index and supplement, IBRO survey of research facilities and manpower in brain sciences in United States; prepared by Committee on Brain Sciences, Division of Medical Sciences, National Research Council, National Academy of Sciences. Dec. 31, 1969 [published 1970.] xxvi+349 p. il. 4° † ● Item 507  
L.C. card 68-62483 HE 20.3002 : B 73
- 11782 Research grants index, fiscal year 1969. [1969 edition.] [1970.] ([Public Health Service publication 925]; Division of Research Grants.) \* Paper, \$14.75 per set of 2 volumes. ● Item 507-D  
L.C. card 61-64708 HE 20.3013/2 : 969/v.1,2  
v. 1. Index section. i-clxxi+1-1071 p. 4°  
v. 2. Grant number and bibliography list, research contracts, alphabetical list of investigators. [1]+clxxli-clxxvi+1073-1905 p. 4°

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

AUGUST 1970

NATIONAL LABOR RELATIONS BOARD  
Washington, DC 20570

- 11783 Decisions and orders of National Labor Relations Board, v. 167, Aug. 10–  
Oct. 30, 1967. 1970. xiii+1122 p. il. 4° \* Cloth, \$10.00. ● Item 826  
L.C. card 37-26136 LR 1.8: 167

NATIONAL MUSEUM, Smithsonian Institution  
Washington, DC 20560

Bulletins. ● Item 919

SI 3.3:(nos.)

- 11784 229. Contributions from Museum of History and Technology, papers 31–33 on  
numismatics [title page and contents]. [1970.] [1]+iii-v+[1] p. 4°  
([Museum of History and Technology.]) †  
11785 288. Frogs of Colombia [with list of references; by] Doris M. Cochran and  
Coleman J. Goin. 1970. xii+655 p. il., 1 por. \* Paper, \$4.00.  
L.C. card 78-608020

NATIONAL PARK SERVICE, Interior Dept.  
Washington, DC 20242

- 11786 Arches National Monument, Utah. [Revised 1970.] [1970.] [2] p. il. oblong  
8° folded into narrow 8° size. \* Paper, 10c. ● Item 650  
I 29.21: Ar 2/2/970  
11787 Camping in National park system. [Revised 1970.] [1970.] [12] p. f°,  
folded into narrow 8° size. \* Paper, 25. ● Item 646-C I 29.71: 970  
11788 Curecanti National Recreation Area, Colo. [Revised 1970.] [1970.] [12]  
p. il. narrow 8° † ● Item 654 I 29.39: C 92/970  
11789 Delaware Water Ga National Recreation Area, Pa., N.J. [Revised 1970.]  
[1970.] [2] p. il. oblong large 8°, folded into 24° † ● Item 654  
I 29.39: D 37/970  
11790 Grand Teton National Park, Wyo. [Revised 1970.] [1970.] 1 sheet (with  
map on verso), il. f° folded into narrow 24° size. † ● Item 651  
I 29.6: G 76/20/970  
11791 National environmental study area, guide. [1970.] cover title, iii+[1]+103  
p. il. oblong 8° [Text on p. 2 of cover.] † ● Item 648-AI 29.9/2: En 8  
11792 National Visitor Center, status 1, Jan. 15, 1970. [1970.] cover title, [8] p. il.  
oblong 8° [Text on p. 2-4 of cover.] † ● Item 648 I 29.2: V 82/2  
11793 Oregon Caves National Monument. [1970.] [6] p. il. narrow 8° † ● Item  
650 I 29.21: Or 3/970  
11794 Saugus Iron Works National Historic Site, Mass. [1970.] [2] p. il. 4°,  
folded into narrow 24° size † ● Item 650 I 29.21: Sa 8  
Visitor services training series.  
11795 Keep it alive! [tips on living history demonstrations; by William Kennon Kay].  
[1970.] cover title, 28 p. il. narrow 8° [Text on p. 2 of cover.] \* Paper, 35c.  
● Item 648-A I 29.9/3-2: L 76  
11796 Welcome to Washington. [Revised Apr. 1970.] [1970.] [12] p. il. narrow 8°  
† ● Item 648 I 29.2: W 27/5/970

NATIONAL SCIENCE FOUNDATION  
Washington, DC 20550

- 11797 Science resources studies highlights: Industrial R & D spending, 1968.  
May 25, 1970. 4 p. il. 4° (NSF 70-12.) † NS 1.31: In 2/968  
11798 — Research and development in State government agencies, fy 1967 and  
1968. June 1, 1970. 4 p. il. 4° (NSF 70-13.) † NS 1.31: R 31/967-68

♠For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 77

GOVERNMENT PUBLICATIONS

NATIONAL TRANSPORTATION SAFETY BOARD, Transportation Dept.  
Washington, DC 20590

- Aircraft accident report. (Bureau of Aviation Safety.)  $\Phi$  Paper, \$12.00 a yr.; \$3.00 additional for foreign mailing; single copy \$3.00.
- 11799 Japan Air Lines, Co., Ltd., DC-8-62, JA 8032, San Francisco Bay, San Francisco, Calif., Nov. 22, 1968; adopted Dec. 31, 1969. [1970.] [3]+29 p. 4 $^{\circ}$  (SA-none); File A-0002; Order no. NTSB-AAR-70-2.) TD 1.112: Sa 5 fr/2
- 11800 Puerto Rico International Airlines, Inc., De Havilland Heron 114-2, N563PR Sierra De Luguillo, San Juan, P.R., Mar. 5, 1969; adopted Apr. 24, 1970. [1970.] [37] p. ll. 4 $^{\circ}$  (SA-none); file 3-2365; Report no. NTSB-AAR-70-9.) TD 1.112: Sa 5j
- 11801 Briefs of accidents by make and model of aircraft, U.S. general aviation, 1967: v. 1, Beech 23 and 35, Piper 13/PA-11, PA-12, PA-16, PA-18, PA-20, PA-22, PA-24, PA-25, PA-28 and PA-32. [1970.] cover title, [734] p. 4 $^{\circ}$  (Bureau of Aviation Safety.)  $\Phi$  Paper, \$10.00. L.C. card 74-607999 TD 1.109/11: 967/v.1
- 11802 — v. 2, CESSNA 120/140, 140A, 150, 170, 172, 175, 180, 182, 185, 190/195, 205/210. [1970.] cover title, [685] p. 4 $^{\circ}$  (Bureau of Aviation Safety.)  $\Phi$  Paper, \$10.00. L.C. card 74-607999 TD 1.109/11: 967/v.2
- 11803 — v. 3, Twin engine aircraft, Aero Commander, Beechcraft, CESSNA 310, Piper PA-23 and PA-30. [1970.] cover title, [245] p. 4 $^{\circ}$  (Bureau of Aviation Safety.)  $\Phi$  Paper, \$3.00. L.C. card 74-607999 TD 1.109/11: 967/v.3
- 11804 — v. 4, Aeronca 7 and 11, Ercoupe, Globe GC-1A, Navion, Luscombe 8, Mooney MK 20/21, Stinson 108, and Talorcraft. [1970.] cover title, [366] p. 4 $^{\circ}$  (Bureau of Aviation Safety.)  $\Phi$  Paper, \$3.00. L.C. card 74-607999 TD 1.109/11: 967/v.4
- 11805 Safety for the seventies, remarks by John H. Reed, Chairman, National Transportation Safety Board, before New Mexico Motor Carriers' Association, annual state convention, Albuquerque, May 2, 1970. [1970.] [1]+10 p. 4 $^{\circ}$  † TD 1.110: R 25/12

NAVAL ACADEMY, Annapolis, Defense Dept.  
Annapolis, MD 21402

- 11806 Annual register of United States Naval Academy, Annapolis, Md., [June 5, 1970], 124th academic year, 1968-69. [1970.] cover title, xi+169 p. (NAVPERS 15,019.) † ● Item 389 D 208.107: 968-69  
L.C. card 7-32067

NAVAL FACILITIES ENGINEERING COMMAND, Defense Dept.  
Washington, DC 20360

- Design manual DM (series). [Issued in looseleaf form.]
- 11807 28. Maintenance facilities, interim Change 3. Nov. 1969 [published 1970]. [3] 4 $^{\circ}$  (NAVFAC DM-28, Int change 3, Oct. 1969.) [Issued with perforations.] \* Paper, 10c. D 209.14/2: 28/2/int.ch.3

NAVAL OBSERVATORY, Defense Dept.  
Washington, DC 20350

- 11808 Astronomical phenomena, [calendar year] 1973; issued by Nautical Almanac Office. 1969 [published 1970]. [79] p. ll. [Preprint from selected pages from American ephemeris and nautical almanac.] \* Paper, 60c. ● Item 396-A D 213.8/3: 973  
L.C. card 51-60475
- Publication of Naval Observatory, 2d series, v. 19.
- 11809 pt. 3. [Washington meridian observation of moon, 6-inch transit circle results, 1925-68; by A. N. Adams, B. L. Klock, and D. K. Scott.] 1969 [published 1970]. [1]+439-498+[3] p. ll. 4. † ● Item 398 D 213.10: 19/pt.3  
L.C. card 79-607976

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available



AUGUST 1970

NAVAL OCEANOGRAPHIC OFFICE, Defense Dept.  
Washington, DC 20390

Special publication.

- 11810 60 (70). Eastern Arctic ice, seasonal outlook 1970. [1970.] 11 p. il. 4° † Paper, 30¢  
L.C. card 77-603510 D 203.22/3: 60(70)

NAVAL PERSONNEL BUREAU, Defense Dept.  
Washington, DC 20390

- 11811 Bureau of Naval Personnel manual, Change 7, July 1970. [170] p. 4° (NAVPERS 15791B.) [Issued in looseleaf form.] \* Paper, \$8.50 (including basic manual and supplementary material for an indefinite period); \$2.00 additional for foreign mailing. ● Item 403-A  
D 208.6/2: 969/ch.7/70
- 11812 Catalog of programmed instructional material. Apr. 1970. cover title, [272] p. 4° (NAVPERS 93826A.) [Issued with perforations.] ‡ ● Item 401-A  
L.C. card 76-608084 D 208.15: P 94/2/970
- 11813 Drafting and editing naval letters; [prepared by] Personnel Management Division, Navy Supply Corps School, Athens, Ga. [Revised Dec. 1969.] Apr. 1970. cover title, iii+139 p. 4° (NAVPERS 93976A; NSCS 47-7.) [Issued with perforations.] ‡ ● Item 104  
L.C. card 70-608088 D 208.11/2: L 56
- 11814 Manual of Navy enlisted classifications. July 1970. [224] p. 4° (NAVPERS 15105-S.) [Issued with perforations. Replaces Manual of Navy enlisted classifications, NAVPERS 15105-R, Jan. 1970, and is effective July 1, 1970.] ‡ ● Item 403-A  
L.C. card 62-62299 D 208.6/3: C 56/970-2
- 11815 Medical Department orientation. [1969.] x+256 p. il. 1 pl. 4° (NAVPERS 10816-C.) [Prepared at Naval Medical School, National Naval Medical Center under auspices of Bureau of Medicine and Surgery.] ‡ ● Item 403-A  
L.C. card 77-608044 D 208.6/3: M 46
- 11816 Register of commissioned and warrant officers of Navy and Marine Corps and reserve officers on active duty. Jan. 1, 1970: pt. 1, Navy and Naval Reserve; pt. 2, Marine Corps and Marine Corps Reserve. [1970.] cover title, [1568] p. 4° (NAVPERS 15,018.) [Also issued as H. doc. 245, 91st Cong., 2d sess.] \* Paper, \$11.25. ● Item 405  
L.C. card 7-32070 D 208.12: 970

NAVAL RESEARCH OFFICE, Defense Dept.  
Washington, DC 20390

- 11817 1969 annual report, Naval Research Laboratory, Washington, D.C., [1970.] cover title, vi+150 p. il. 4° [Includes list of contributions to science and technology.] †  
L.C. card 63-61578 D 210.17/2: 969
- NRL reports. (Naval Research Laboratory.) D 210.8: (nos.)
- 11818 6663. Theoretical VLF multimode propagation predictions: by C. B. Brookes, Jr., J. H. McCabe, and F. J. Rhoads, Dec. 1, 1967, Errata. [1970.] 1 p. oblong 48° †  
D 210.8: 6663/errata
- 11819 7006. Charpy-V notch ductility characteristics neutron-irradiated A537-B and A350-LF2 steel weldments [with list of references; by] Robert A. Gray, jr. Jan. 16, 1970. cover title, ii+14 p. il. 4° ([NRL problem M01-14, AEC-AT (49-5)-2110.]) † Paper, \$3.00 (AD 701322)
- 11820 7030. Atmospheric potential-gradient measurements at sea [with list of references; by] S. G. Gathman and Eva Mae Trent. Feb. 24, 1970. cover title, ii+20 p. il. 4° ([NRL problem A02-15, project RR 004-02-42-5150.]) † Paper, \$3.00 (AD 703212).

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

Page 79

GOVERNMENT PUBLICATIONS

OUTDOOR RECREATION BUREAU, Interior Dept.  
Washington, DC 20240

- 11821 Balance, a discussion of conservation issues. (Mid-Continent Region, Denver, Colo.) [Irregular.] † I 66.19:(date)  
Feb. 1968—
- 11822 Continental Divide Trail study, progress report. (Mid-Continent Region, Denver, Colo.) [Irregular.] † I 66.19/2:(date)  
June 12, 1970—
- 11823 Mid-Continent memo. [Irregular.] † I 66.19/3:(date)  
Mar. 4, 1968—
- 11824 National scenic and recreation trails, authorized by National trail system act, Public Law 90-543, Oct. 2, 1968. [1970.] cover title, [28] p. il. narrow 8° [Text on p. 3 of cover.] \* Paper, 30c. ● Item 657-B-1  
I 66.2: See 6
- 11825 Private assistance in outdoor recreation, directory of organizations providing aid to individuals and public groups. [1970.] cover title, vi+82 p. 16° \* Paper, 45c. ● Item 657-B-1  
L.C. card 79-608082 I 66.2: D 62/2/970

POST OFFICE DEPARTMENT  
Washington, DC 20260

[Commemorative stamp posters.]

NOTE.—Commemorative stamp posters, which will be issued irregularly, are available on a subscription basis from the Superintendent of Documents, \$1.50 a yr.; 50c. additional for foreign mailing.

- 11826 6-cent Maine Statehood commemorative postage stamp will be first placed on sale July 9, 1970 at Portland, Maine. 1970. 10.5 x 8 in. P 1.26/2: M 28
- 11827 6-cent wildlife conservation commemorative postage stamp will be first placed on sale at Custer, S. Dak. on July 20, 1970. 1970. 10.5 x 8 in. P 1.26/2: W 64/2

[Public information] PI-(series).

- 11828 33. Saga of pony express, 1860-61. [July 1970.] [2]+19 p. il. narrow 8° †  
● Item 837-B P 1.36/2: 33

PRESIDENT OF UNITED STATES  
Washington, DC 20501

- 11829 Policies for American economic growth in the seventies, report of President's Task Force on Economic Growth. May 1970. v+49 p. \* Paper, 35c. ● Item 851-J  
L.C. card 75-608065 Pr 37.8: Ec 7/R 29
- 11830 President's Commission on Income Maintenance, background papers [with bibliographies.] [1970.] ix+455 p. 4° \* Paper, \$4.00. ● Item 851-J  
L.C. card 73-607945 Pr 36.8: In 2/B 12
- 11831 Remarks by Harold Russell, Chairman, President's Committee on Employment of Handicapped before 1970 Region 7 Conference of National Rehabilitation Association, Oklahoma City, Okla., June 7-9, 1970. [1970.] 6 leaves. 4° † President's Committee on Employment of the Handicapped, 7131 Department of Labor Building, Washington, DC 20210  
PrEx 1.10/2: R 91/7
- 11832 Toward a brighter future for elderly, report of President's Task Force on Aging. Apr. 1970. vii+60 p. \* Paper, 35c. ● Item 851-J  
L.C. card 76-608009 Pr 37.8: Ag 4/R 29
- 11833 Toward better housing for low income families, report of President's Task Force on Low Income Housing. May 1970. vii+20 p. \* Paper, 25c. ● Item 851-J  
L.C. card 77-608158 Pr 37.8: H 81/R 29
- 11834 Urban renewal, one tool among many, report of President's Task Force on Urban Renewal. May 1970. iv+15 p. \* Paper, 20c. ● Item 851-J  
L.C. card 70-608159 Pr 37.8: Ur 1/R 29

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

AUGUST 1970

PRISONS BUREAU, Justice Dept.  
Washington, DC 20537

- 11835 Federal Prison Industries, Inc., [fiscal year] 1969, Board of Directors' annual report. [Marion, Ill., Federal Penitentiary, 1970.] Cover title, [2]+22 p. il. †  
L.C. card 37-26228 J 16.51 : 969

PUBLIC DOCUMENTS DIVISION, Government Printing Office  
Washington, DC 20402

Price list PL (series).

- 11836 70. Census publications, statistics of agriculture, business, governments, housing, manufactures, minerals, population and maps; July 1970. 41st edition. [1970.] 11+23 p. † ● Item 554  
L.C. card 25-26529 GP 3.9 : 70/41

PUBLIC LAND LAW REVIEW COMMISSION  
1730 K Street NW, Washington, DC 20006

NOTE.—The Public Land Law Review Commission was established by Public law 88-606, approved Sept. 19, 1964.

- 11837 One third of the Nation's land, report to President and to Congress by Public Land Law Review Commission. June 1970. xiii+342 p. il. 4° [Accompanied by one colored map. Some illustrations are colored.] \* Paper, \$4.50. ● Item 1089  
L.C. card 70-607944 Y 3.P 96/7 : 2 On 2

PUBLIC ROADS BUREAU, Transportation Dept.  
Washington, DC 20591

- 11838 Bridge inspector's training manual [70, with bibliography]. 1970. [247] p. il. 4° [Issued with perforations.] \* Paper, \$2.50. ● Item 265-A  
TD 2.108 : B 76/3
- 11839 Standard land use coding manual, standard system for identifying and coding land use activities. Jan. 1965 [reprinted Dec. 1969. ix+111 p. il. \* Paper, 50c. TD 2.108 : L 22
- 11840 Urban transportation planning, general information and introduction to system 360 [with bibliography]. June 1970. [347] p. il. 4° † ● Item 265  
TD 2.102 : Ur 1/4

RAILROAD SAFETY BUREAU, Transportation Dept.  
Washington, DC 20591

NOTE.—The Railroad Safety Bureau was established under the Federal Railroad Administration of the Transportation Department by Public Law 89-670, approved Oct. 15, 1966.

- 11841 Rail-highway grade-crossing accidents for year ended Dec. 31, 1969. [1970.] [1]+27 p. 4° †  
L.C. card 75-602439 TD 3.109 : 969

RECLAMATION BUREAU, Interior Dept.  
Washington, DC 20240

- 11842 Feasibility design report, Bauta-Toa Vaca Tunnel; prepared by Reclamation Bureau, Office of Chief Engineer, Denver, Colo. May 1970. [1]+iii+39 p. il. 4° [Prepared for Puerto Rico Water Resources Authority and in accordance with that Authority's contract 8-35344 with Economic Development Administration, U.S. Commerce Dept.] † I 27.2 : B 32
- 11843 Summary report of Commissioner of Bureau of Reclamation to Secretary of Interior, fiscal year 1969, and statistical appendix : [pt. 1-3]. [1970.] [1]+xxiv+210 p. il. 1 map, 4° † ● Item 663-A  
L.C. card 78-601807 I 27.1/2 : 969/pt.1-3

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

Page 81

GOVERNMENT PUBLICATIONS

REGIONAL MEDICAL PROGRAMS SERVICE, Health, Education, and Welfare Dept., Bethesda, MD 20014

- 11844 Minimal brain dysfunction in children, educational, medical and health related services phase two of three-phase project [with list of references]. [1970.] ix+81 p. 4° ([Public Health Service publication 2015]; N&SDCP monograph.) \* Paper, \$1.00. ● Item 483-I-1  
L.C. card 74-607633 HE 20.2602: B 73/2

RURAL ELECTRIFICATION ADMINISTRATION, Agriculture Dept.  
Washington, DC 20250

- 11845 Report of Administrator, Rural Electrification Administration, [fiscal year] 1969. 1970. [2]+41 p. \* Paper, 20c. ● Item 115  
L.C. card 37-26237 A 68.1: 969

SHIP STRUCTURE COMMITTEE  
Washington, DC 20226

SSC (series).

- 11846 205. Structural design review of long, cylindrical, liquid-filled independent cargo tank-barges [with lists of references]; by C. W. Bascom, 1970. vi+102 +[2] p. il. 4° (Coast Guard Headquarters.) [Final report on project SR-184, Chemical tank-barge design, under Navy Department NAVSEC contract N00024-68-C-5419, project SF013 03-04, task 2022, Sr.-184. Text on p. 2 of cover.] ϕ Paper, \$3.00. Y 3.Sh 6: SSC-205

SMALL BUSINESS ADMINISTRATION  
Washington, DC 20416

- 11847 Small Business Administration publications: Free management assistance publications. July 1970. [4] p.+4° (SBA 115A) † ● Item 901-N  
SBA 1.18: 970-3

Small marketers aids.

- 11848 140. Profit by your wholesalers' services; by Richard M. Hill, [1970.] 5+[1] p. 4° [Includes list of publications for further information.] † SBA 1.14: 140

SMITHSONIAN INSTITUTION  
Washington, DC 20560

Smithsonian contributions to botany.

- 11849 3. Marine algae of Dominica [with list of literature cited; by] Wm. Randolph Taylor and Charles F. Rhyne. 1970. [2]+16 p. il. 4° \* Paper, 30c. ● Item 910-E  
L.C. card 72-607508 SI 1.29: 3

Smithsonian contributions to zoology. ● Item 910-D SI 1.27:(nos.)

- 11850 43. Revision of new world species of Anthrax (Diptera: Bombyliidae), other than Anthrax albofasciatus group [with list of literature cited; by] Norman Marston. 1970. [2]+148 p. il. 4° \* Paper, \$1.75.  
L.C. card 72-608018
- 11851 52. Revision of genus Euthalenessa Darboux (Polychaeta Sigalionidae) [with list of references; by] Marian H. Pettibone. 1970. [2]+30 p. il. 4° \* Paper, 40c.  
L.C. card 71-608151
- 11852 54. Cyclopoid copepods of genus Pseudanthessius associated with crinoids in Madagascar [with list of literature cited; by] Arthur G. Humes and Fu-Shy Ho. 1970. [2]+20 p. il. 4° \* Paper, 35c.  
L.C. card 70-608026
- 11853 Smithsonian Institution, Washington, D.C. [1970.] [9] p. il. narrow 8°  
† ● Item 910  
L.C. card 41-50293 SI 1.2: Sm 6/16/970
- 11854 Theology of the earth; by Rene Dubos. [1970.] [4]+19 p. narrow 8° (Office of Public Affairs.) [Lecture delivered on Oct. 2, 1969 at Smithsonian Institution, Washington, D.C., under sponsorship of Smithsonian Office of Environmental Sciences.] \* Paper, 30c. ● Item 909-A-1  
SI 1.31: D 85

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

SOCIAL SECURITY ADMINISTRATION, Health, Education, and Welfare  
Dept., Washington, DC 20201

- Actuarial notes. † HE 3.19/2: (nos.)
- 11855 71. Estimated amount of life insurance in force as survivor benefits under social security program: by Robert J. Myers. May 1970. [2] p. 4° (Office of Actuary.)
- 11856 72. Analysis of duration of prior hospital stays for extended care facility cases; by Michael Hooker and Milton Glanz. June 1970. [3] p. 4°
- Health insurance statistics: HI (series). (Office of Research and Statistics.) † HE 3.28/5: (nos.)
- 11857 18. Health insurance for aged, participating health facilities, July 1969; prepared by Wayne Callahan and Jacquelyn Watts. May 5, 1970. 14+[4] p. 4°
- 11858 19. Assignment rates for claims submitted under supplementary medical insurance program, July 1967-Dec. 1969; by Gene Carter. June 24, 1970. 6+[2] p. il. 4° (Division of Health Insurance Studies.)
- Research and statistics note, 1970 (series). (Office of Research and Statistics.) † HE 3.28/2: 970/ (nos.)
- 11859 6. Benefits and beneficiaries under public employee retirement systems, calendar year 1969; by Sophie R. Dales. June 5, 1970. 2+[2] p. 4° (Interprogram Studies Branch.)
- 11860 7. Medical care outlays for aged and nonaged persons, 1966-69; by Barbara S. Cooper. June 18, 1970. [9] p. 4°
- 11861 8. Trust fund surpluses and fiscal neutrality in social security program; by Robert O. Brunner. June 19, 1970. 9 p. 4° (Division of Economic and Long-Range Studies.)
- SSI (series). ● Item 523-B HE 3.52: (nos.)
- 11862 14a. Important facts about medical insurance benefits under medicare. Apr. 1970. [3] p. narrow 8° †
- 11863 19. Planning and conducting pre-retirement seminars. [June 1970] [1]+9 p. narrow 8° [Includes list of sources of free or inexpensive publications.] †
- 11864 35. Your social security, retirement, survivors, and disability insurance, medicare. May 1970. 48 p. oblong 48° \* Paper, \$10.00 per 100; single copy 15c.
- 11865 37. How to claim benefits under medical insurance. May 1970. [4] p. †
- 11866 40. Outpatient hospital benefits. [May 1970.] [4] p. †
- 11867 42. Home health benefits under medicare. [July 1970.] 4 p. †
- 11868 68. Disabled? find out if you are eligible for social security disability insurance benefits. [May 1970.] 9+[1] p. narrow 12° †

SOIL CONSERVATION SERVICE, Agriculture Dept.  
Washington, DC 20250

- 11869 National handbook of conservation practices. [1970.] cover title, [241] p. 4° [Issued in looseleaf form. Most pages printed as leaves.] † ● Item 120-A A 57.6/2: C 76/2
- 11870 Soil survey: Randall County, Tex. [with list of literature cited, by Louis Jacquot and others]. June 1970. cover title, i+62 p. il. 73 p. of pl. and maps, 4° [Prepared in cooperation with Texas Agricultural Experiment Station. One map is colored.] \* Paper, \$4.00. ● Item 102 (Rev. 1957) L.C. card 76-607951 A 57.38: R 15/2
- 11871 — Safford area, Ariz. [with list of literature cited; by Frederick W. Gelderman] June 1970. cover title, i+57 p. il. 33 p. of pl. and maps, 1 tab. 4° [Prepared in cooperation with University of Arizona Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] \* Paper, \$2.25. ● Item 102 (Rev. 1957) L.C. card 79-608015 A 57.38: Sa 1
- 11872 — Sequoyah County, Okla. [with list of literature cited; by Edward J. Abernathy]. June 1970. cover title, i+57 p. il. 72 p. of pl. and maps, 4° [Prepared in cooperation with Oklahoma Agricultural Experiment Station. One map is colored. Text on p. 2 of cover.] \* Paper, \$4.25. ● Item 103 (Rev. 1957) L.C. card 74-608109 A 57.38: Se 6
- Soil survey investigations report.
- 11873 23. Soil survey laboratory data and descriptions for some soils of Nevada. May 1970. [361] p. 4° [Prepared in cooperation with Nevada Agricultural Experiment Station. Map on p. 4 of cover.] † ● Item 121-A A 57.52: 23

‡For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

●Sent to Depository Libraries

GOVERNMENT PUBLICATIONS

SOLID WASTE MANAGEMENT BUREAU, Health, Education, and Welfare Dept., Rockville, MD 20852

- 11874 Mathematical modeling of solid waste collection policies, v. 1-2 [with bibliography]; by Marcus M. Truitt, Jon C. Liebman, and Cornelius W. Kruse. 1970. xvii+220+[2] 69 p. il. 4° ([Public Health Service publication 2030.]) [Report SW-lrg performed under research grant U1-00539 to Johns Hopkins University.] \* Paper, \$2.25. ● Item 487-A-1  
L.C. card 74-608089 HE 20.1402: M 42/v.1,2
- 11875 Policies for solid waste management [with selected bibliography]. 1970. xv +64 p. ([Public Health Service publication 2018.]) [This report (SW-11c) was prepared by Ad Hoc Committee on Solid Waste Management of Division of Engineering Committees on Pollution Abatement and Control, National Research Council, National Academy of Engineering-National Academy of Sciences under contract PH-86-67-240.] \* Paper, 50c. ● Item 487-A-1  
L.C. card 77-606275 HE 20.1402: P 75

SPECIAL REPRESENTATIVE FOR TRADE NEGOTIATIONS, OFFICE OF, Executive Office of the President, Washington, DC 20506

- 11876 Trade policy mid-year, 1970, address by Carl J. Gilbert, Special Representative for Trade Negotiations before International Center of New England, Inc., Boston, Mass., June 22, 1970. 1970. 12 p. 4° (Press release 136.) †  
PrEx 9.9: G 37

SPORT FISHERIES AND WILDLIFE BUREAU, Interior Dept. Washington, DC 20240

Fish disease leaflet FDL-(series).

- 11877 26. Selected fish disease publications in English; prepared by S. F. Snieszko [and others]. Mar. 1970. 7 p. 4° [Formerly Fishery leaflet 570, June 1964.] †  
I 49.28/3: 26

Investigation in fish control.

- 11878 39-40. Effects of antimycin A on tissue respiration of rainbow trout and channel catfish; Resume on field applications of antimycin A to control fish [with lists of references]; by Robert E. Lennon [and others]. May 1970. il+10+19 p. 4° \* Paper, 35c. ● Item 610-D I 49.70: 39-40

- 11879 Man and animal, changing concepts [with bibliography; by James W. Carroll]. [1970.] 2+13 p. il. †  
L.C. card 78-608185 I 49.2: M 31/4

Refuge leaflets. †

I 49.44: (nos.)

- 11880 67. National wildlife refuges in southeast region 4. Apr. 1970. 12 p. il. 4°  
11881 105. Birds of Sand Lake National Wildlife Refuge. [Revised Mar. 1970.] [1970.] [6] p. narrow 8°  
11882 145A. Accidental birds of Wheeler National Wildlife Refuge. [Apr. 1970.] 4 p.  
11883 147. Birds of Blackwater National Wildlife Refuge. [Feb. 1970.] [4] p. narrow 12°  
11884 154. Birds of Savannah National Wildlife Refuge. Revised Mar. 1970. [1970.] [6] p. narrow 16°  
11885 168. Birds of Monomoy National Wildlife Refuge. [Revised Mar. 1970.] [1970.] [8] p. narrow 16°  
11886 208. Birds of Holla Bend National Wildlife Refuge. [Revised Mar. 1970.] [1970.] [6] p. narrow 16°  
11887 223. Birds of Anahuae National Wildlife Refuge. [Revised Oct. 1969.] [1969.] [6] p. narrow 8°  
11888 240. Birds of Iroquois National Wildlife Refuge. [Mar. 1970.] [8] p. narrow 16°

Resource publications. ● Item 613.B

I 49.66: (nos.)

- 11889 84. Handbook of toxicity of pesticides to wildlife, errata. [1970.] 1 p. oblong  
11890 85. Wildlife research problems, programs, progress, 1968, activities in Division of Wildlife Research of Bureau of Sport Fisheries and Wildlife for calendar year 1968. [1970.] viii+112 p. il. 4° [Includes list of publications, Jan. 1-Dec. 31, 1968.] \* Paper, \$1.25.  
L.C. card 61-61718

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

- Technical papers. ● Item 615-A I 49.68: (nos.)
- 11891 48-52. Surface currents as determined by drift card releases on Continental Shelf off northwestern United States; Age, growth, sex composition, and maturity of white bass in Bull Shoals Reservoir; Food habits of 5 centrachids during filling of Beaver Reservoir, 1965-66; Identification of ingested gizzard shad and threadfin shad by gizzard dimensions [with lists of references]; by Sven I. Johnson [and others]. Apr. 1970. [77] p. il. 4° †
- 11892 53. Chronic effects of methoxychlor on bluegills and aquatic invertebrates [with list of references]; by Harry D. Kennedy, Lafayette L. Eller, and David F. Walsh. Mar. 1970. 18 p. il. 4° \* Paper, 30c.  
L.C. card 79-608208
- 11893 54. Annotated list of parasites of bluefish *Pomatomus saltatrix* [with list of references]; by Herbert G. Anderson, jr. May 1970. 15 p. il. 4° \* Paper, 25c.

STATE DEPARTMENT  
Washington, DC 20520

African series.

- 11894 47. Africa, this new dialogue; [with suggested reading list]. [May 1970.] cover title, 48 p. il. oblong 12° ([Publication 8511; Office of Media Services, Bureau of Public Affairs.]) [Maps on p. 2 and 3 of cover. Secretary of State William P. Rogers' trip to Africa, Feb. 1970.] \* Paper, 75c.  
● Item 862-A  
L.C. card 75-608014 S 1.116: 47

East Asian and Pacific series. ● Item 870

S 1.38: (nos.)

- 11895 192. United States military actions in Cambodia, questions of international law; [by John R. Stevenson]. [July 1970.] 7 p. 4° ([Publication 8539; Office of Media Services, Bureau of Public Affairs.]) [Reprinted from Department of State bulletin, June 22, 1970.] \* Paper, 10c.  
L.C. card 75-608152
- 11896 193. Cambodia concluded, now it's time to negotiate, report to the Nation by Richard Nixon, President of United States, June 30, 1970. [1970.] [31+28 p. ([Publication 8544.]) \* Paper, 25c.  
L.C. card 75-608136
- 11897 Foreign affairs research, special papers available; Near East and South Asia, list of papers accessioned between 1964-70 in Foreign Affairs Research Documentation Center. Mar. 1970. cover title, [4]+72 p. 4° (Office of External Research.) [List of recent publications issued by Office of External Research on p. 3 of cover.] † S 1.126/2: Ea 7/2
- 11898 Hindi, active introduction; [by] D. N. Sharma and James W. Stone. 1970. xiii+131 p. il. (Foreign Service Institute.) [Compiled and published with assistance of Peace Corps. Basic course series edited by Augustus A. Koski.] \* Paper, \$1.50. ● Item 872-A  
L.C. card 79-608066 S 1.114/2: H 58

International information and cultural series.

- 11899 100. International exchange, 1969, report of Bureau of Educational and Cultural Affairs. [June 1970.] [2]+30 p. il. oblong 8° ([Publication 8533.]) [Text on p. 3 of cover.] \* Paper, 35c. ● Item 878  
L.C. card 68-62550 S 1.67: 100
- 11900 Luganda pretraining program; [by] Earl W. Stevick [and] Frederick Katabazi Kamoga. 1970. vii+246 p. il. 4° (Foreign Service Institute.) [Compiled and published with support of Peace Corps. Foreign Service Institute basic course series edited by Augustus A. Koski.] \* Paper, \$2.25. ● Item 872-A  
L.C. card 78-608142 S 1.114/2: L 96/2
- 11901 Notice, drug arrests abroad. [1970.] [2] p. narrow 8° ([Office of Special Consular Services.]) † ● Item 876 S 1.2: D 84
- 11902 Thai basic course; [by] Warren G. Yates and Absorn Tryon. 1970. (Foreign Service Institute.) [Compiled and published with support of Education Office, Health, Education, and Welfare Dept. Foreign Service Institute basic course series edited by Augustus A. Koski.] ● Item 872-A  
L.C. card 79-608090 S 1.114/2: T 32/v.1,2  
v. 1. xii+1-326+G-59 p. il. 4° [Includes lessons 1-20.] \* Paper, \$3.75.  
v. 2. viii+327-738 p. il. 4° [Includes lessons 21-40.] \* Paper, \$3.75.

GOVERNMENT PUBLICATIONS

- Treaties and other international acts series. \* Paper, \$15.00 a yr. (approximately 150 issues), \$7.00 additional for foreign mailing; single copies vary in price. (Issues of \$1.00 or more are not furnished as part of the subscription.) ● Item 899 S 9.10: (nos.)
- 11903 6856. General agreement on tariffs and trade, first certification of changes to schedules, done Geneva, July 12, 1969 with decision of Nov. 19, 1968; [entered into force July 12, 1969]. [1070.] [2]+187 p. [English and French.] \* Paper, \$1.00. L.C. card 77-608095
- 11904 Turkish basic course graded reader; compiled by Selman N. Agrali, [and others]. 1970. iv+284+28 p. il. 4° (Foreign Service Institute; [Basic course series.]) Compiled and published with support of Office of Education, Department of Health, Education, and Welfare.] \* Paper, \$2.75. ● Item 872-A L.C. card 68-67108 S 1.114/2-2: T 84

STATISTICAL REPORTING SERVICE, Agriculture Dept.  
Washington, DC 20250

- 11905 Agricultural prices, 1969 annual summary. June 1970. 176 p. 4° (Pr. 1-3 (70); Crop Reporting Board.) † ● Item 18-C A 92.16/2: 969  
L.C. card 60-62088
- 11906 Hogs and pigs, June 1970 (U.S. and 10 corn belt States). June 24, 1970. 16 p. 4° (MtAn 4 (6-70); Crop Reporting Board.) † ● Item 24-H A 92.18/7: 970-2  
L.C. card 75-601072

TARIFF COMMISSION  
Washington, DC 20436

- 11907 Bicycle tires and tubes, production and maintenance workers at Indianapolis plant of Uniroyal Tire Co., report to the President, worker investigation TEA-W-20, under sec. 301(c) (2) of Trade expansion act of 1962. June 1970. [30] p. 4° (TC publication 325.) † TC 1.2: B 47/2
- 11908 Summaries of trade and tariff information, prepared in terms of tariff schedules of United States (TSUS): Schedule 3, Textile fibers and textile products, v. 2, Fibers, yarns, waste, and intermediate products of silk, manmade fiber, metalized, paper, certain hair, and yarns, N.S.P.F. 2d printing 1970. [196] p. 4° (TC publication 311.) † TC 1.26/2: 3/2  
L.C. card 68-61786
- 11909 Synthetic organic chemicals, United States production and sales, 1968, under provisions of sec. 332 of Tariff act of 1930, as amended 1970. iii+266 p. 4° (TC publication 327.) \* Paper, \$2.00. ● Item 982-A TC 1.33: 968  
L.C. card 18-26799
- 11910 Synthetic organic chemicals, United States production and sales of tar and tar crudes, 1968, preliminary. Mar. 1970. cover title, [1]+9 p. 4° † TC 1.33/2: T 17/968
- 11911 Wilton, Brussels, velvet, and tapestry carpets and rugs, report to the President on investigation. TEA-I-A-9 under sec. 351 (d) (2) of Trade expansion act of 1962. June 1970. cover title, i+25 p. 4° (TC publication 326.) † TC 1.2: C 22/3  
L.C. card 62-60302

TENNESSEE VALLEY AUTHORITY  
Washington, DC 20444

- 11912 Fish inventory data, Wheeler Reservoir, 1969. Jan. 1970. [2]+3+[9] p. 4° ([F70Fr7]; Fish and Wildlife Branch.) † Y 3.T 25: 2 F 53/10

TRAINING AND EMPLOYMENT SERVICE, Labor Dept.  
Washington, DC 20210

- 11913 Procurement contracts and worker surpluses, questions and answers on defense manpower policy no. 4. [1970.] [10] p. narrow 8° † ● Item 755 L 34.2: P 94

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available



## AUGUST 1970

- 11914 Worker certification program under Immigration and nationality act, fiscal year 1969. [1970.] [3]+38 p. il. 4° † ● Item 755  
L.C. card 70-602896 L 34.2: W 80/000

### TRANSPORTATION DEPARTMENT Washington, DC 20590

Automobile insurance and compensation study.

- 11915 Mass marketing of property and liability insurance; by Spencer Kimball, Herbert Denenberg, June 1970. [3]+187 p. \* Paper, 75c. ● Item 982-C-1  
L.C. card 72-608138 TD 1.17: P 94
- 11916 Emergency procedures for control of civil transportation. Feb. 1970. cover title, [354] p. il. 4° (Standby order, DOT 1940.4, Feb. 2, 1970.) [Issued with perforations.] † TD 1.8: Em 3
- 11917 Telephone directory, directory of services and classified. May 1970. [2]+i+58 p. 4° [Interim directory contains directory of services and classified sections.] \* Paper, 50c. TD 1.9/3: 970
- 11918 Travel barriers. [May 1970.] [2]+46 p. il. oblong 12° (Office of Secretary.) † ● Item 982-C-1 TD 1.2: T 69

### TREASURY DEPARTMENT Washington, DC 20220

Department circular. (Fiscal Service, Bureau of Accounts.)

- 11919 945. 3d rev. System of central accounting for Government's revenues and outlays and related assets and liabilities. May 22, 1970. 2 p. † T 1.4/2: 945/4
- 11920 Economics and environment, remarks of Murray L. Weidenbaum, Assistant Secretary of Treasury for Economic Policy before McGraw-Hill Conference on Industry and Environment, New York City, June 16, 1970. [1970.] 8 p. 4° (K-437.) † T 1.31: W 42/14
- 11921 Remarks by David M. Kennedy, Secretary of Treasury before U.S. Conference of Mayors, Denver, Colo., June 16, 1970. [1970.] 8 p. 4° (K-436.) † T 1.31: K 38/31
- 11922 Remarks by Honorable David M. Kennedy, Secretary of Treasury, before Chicago Council on Foreign Relations, Chicago, Ill., June 24, 1970. [1970.] 8 p. 4° (K-440.) † T 1.31: K 38/32
- 11923 State and local government, national priority, remarks of Murray L. Weidenbaum, Assistant Secretary of Treasury for Economic Policy before National Conference of Lieutenant Governors, Atlanta, Ga., June 20, 1970. [1970.] 10 p. 4° (K-438.) † T 1.31: W 42/15
- 11924 Statement by David M. Kennedy, Secretary of Treasury before Subcommittee on Air and Water Pollution of Senate Public Works Committee on S. 3468, June 9, 1970. [1970.] 5 p. 4° (K-432.) † T 1.31: K 38/30
- 11925 Statement of Charls E. Walker, Under Secretary of Treasury, before Special Subcommittee on Education (no. 1) of House Committee on Education and Labor, June 11, 1970. [1970.] 8 p. 4° (K-435.) † T 1.31: W 151/6
- 11926 Statistical appendix to Annual report of Secretary of Treasury on state of finances, fiscal year 1969. [1970.] vi+322 p. ([Treasury Dept. doc. 3248a.]) [Also issued as H. doc. 228, pt. 2, 91st Cong. 2d sess.] \* Paper, \$1.50. ● Item 923  
L.C. card 8-32556 T 1.1: 969/app.

### UNITED STATES TRAVEL SERVICE, Commerce Dept. Washington, DC 20230

- 11927 Bus and motor coach travel in U.S.A. 1970. [2]+18+[1] p. il. 4° [Includes list of useful publications on U.S. motor coach service.] † ● Item 271-A-1 C 47.2: B 96

♠For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151  
●Sent to Depository Libraries

## GOVERNMENT PUBLICATIONS

- 11928 Car rental in U.S.A., 1970. [1970.] [2]+14 p. il. 4° [Publication prepared as service to foreign travel agents.] † ● Item 271-A-1  
C 47.2: C 17/970
- 11929 Remarks of United States Travel Service Director C. Langhorne Washburn at opening of Visit USA Pavillon, June 14, 1970 at Man and his World, Montreal, Quebec, Canada. [1970.] 1 p. 4° † C 47.9: W 27/6

### VETERANS ADMINISTRATION Washington, DC 20420

- 11930 Surgical service guide [with bibliographies]. [1970.] cover title, xxi+237 +[27] p. il. (Veterans Administration Hospital, Des Moines, Iowa.) †  
● Item 987  
L.C. card 79-608137 VA 1.10: Su 7
- [VA] pamphlets. † ● Item 988 VA 1.19: (nos.)
- 11931 20-69-3. Summary of educational assistance benefits for veterans with service since Jan. 31, 1955. Revised May 1970. [1970.] 4 p. il. 4°
- 11932 20-69-5. Medical, dental and hospital benefits for veterans with service since Jan. 31, 1955. May 1970. 4 p. il. 4°
- 11933 21-64-2. Educational assistance information for sons and daughters, chap. 35, title 38, U.S. Code. Revised June 1970. [1970.] 6 p. narrow 8°

### VETERANS REEMPLOYMENT RIGHTS OFFICE, Labor Dept. Washington, DC 20210

- 11934 Veterans' reemployment rights handbook; [prepared by Joseph R. Beaver]. [1970.] cover title, iii+196 p. \* Paper, \$1.00. ● Item 773-A  
L.C. card 78-608098 L 25.6/2: V 64/970

### WAGE AND HOUR AND PUBLIC CONTRACTS DIVISIONS, Labor Dept., Washington, DC 20210

#### Child labor bulletin.

- 11935 102. Agriculture and child labor requirements under Fair labor standards act, as amended in 1966. May 1970. [2]+9 p. narrow 8° (W-H publication 1295.) † ● Item 776 L 22.14: 102/10

### WEATHER BUREAU, Commerce Dept. Washington, DC 20235

#### Weather Bureau observing handbook.

- 11936 2. Substation observations. 1st edition 1970. [1970.] vi+77 p. il. 4° (Data Acquisition Division, Office of Meteorological Operations.) [Supersedes Circular B.] \* Paper, 75c. ● Item 275-E C 30.6/6: 2

### WOMEN'S BUREAU, Labor Dept. Washington, DC 20210

- 11937 Abortion laws; prepared by E. Boyd Steele. [June 1970.] 6 p. 4° †  
L 13.2: Ab 7
- 11938 American women at crossroads, keynote address by Elizabeth Duncan Koontz, Director, Women's Bureau, Wage and Labor Standards Administration, U.S. Department of Labor at 50th anniversary conference of Women's Bureau, Washington, D.C., June 12, 1970. [1970.] 16 p. 4° (WB-222.) † L 13.12: K 83/2
- 11939 Background facts on women workers in United States. 1970. iii+20 p. 4° † ● Item 783-C-1  
L.C. card L65-64 L 13.22/2: 970
- Bulletin.
- 11940 295. Child care services provided by hospitals; [prepared by Annie L. Hart, Pearl G. Spindler and Beatrice Rosenberg]. 1970. [6]+35 p. il. \* Paper, 25c. ● Item 781 L 13.3: 295  
L.C. card 75-607967
- 11941 Women workers today. [June 1970.] 7 p. il. 4° ([WB 70-211.]) †  
L 13.2: W 89/12

\*For Sale by Superintendent of Documents  
†Distribution Made by Issuing Office  
‡Official Use. Not Available

# Index

MONTHLY CATALOG, AUGUST 1970

NOTE.—*Entries appear in this Index under subjects or titles. Bulletins, circulars, etc., having no specific subjects are entered under the issuing office only. Index citations are to entry numbers in the catalog.*

A

- Aase, James H., transportation of iron ore, limestone, and bituminous coal on Great Lakes waterway system, 11575
- Abernathy, Edward J., soil survey, Sequoyah County, Okla., 11872
- Ablation, shock wave shapes and surface pressures on hemisphere- and cone-cylinders in low-density hypersonic flow, 11633
- Ables, Jackson H., jr., spillway and outlet works, Rowlesburg Dam, Cheat River, W. Va., 11257
- ABM, *see* Missiles.<sup>c</sup>
- Abortion, laws, 11837
- Abstracts, *see* subjects.
- Academy of Sciences, USSR, general meeting, 11491
- Accidents, industrial safety accident prevention handbook, Air Force manual, 10719  
*see also* Aircraft accidents—Aviation accidents—Railroad accidents.
- Accounts and accounting:
  - Alaska remote housing handbook, 11432
  - feasibility of uniform cost-accounting standards applied to negotiated defense contracts, GAO report, 11027
  - flow of funds accounts, 1945-68, annual total flows and year-end assets and liabilities, 11325
  - public utilities and licensees uniform system, 11315
  - United States Government central accounting system regulations, 11919
- Acetylene, interaction of methane, ethane, ethylene, and acetylene with iron (001) surface and their influence on adhesion studies with LEED and auger, 11666
- Acorns, nuttall oak, field germination, 11361
- Acoustics, *see* Sound.
- Acreage allotments, *see* Tobacco.
- Acrylonitrile:
  - acrylonitrile-butadiene-styrene (ABS) plastic pipe (schedules 40 and 80), voluntary product standard, 11745
  - butadiene-styrene (ABS) plastic pipe, standard dimension ratio, voluntary product standard, 11746
- Actions at law, *see* Appeals.
- Activation analysis, *see* Radioactivation analysis.
- Activism, but what kind (address), 10752
- Acts of Congress, *see* Law.
- Actuarial notes, 11855-856
- Adams, A. N., Washington meridian observations of moon, 6-inch transit circle results, 11809
- Addicts, *see* Narcotic habit.
- Addresses, lectures, etc.:
  - by—
    - Allen, James E. jr., 11201, 11208, 11236
    - Bell, Terrel H., 11209
    - Bentley, Helen D., 11310
    - Brimmer, Andrew F., 11324
    - Burch, Dean, 11293

Addresses, lectures, etc.—Continued  
by—continued

- Burns, Arthur F., 11322-323, 11331
- Dubois, Rene, 11854
- Gibson, A. E., 11560-563
- Gilbert, Carl J., 11876
- Hamrick, Joseph G., 11186-187, 11189
- Kennedy, David M., 11921-922, 11924
- Koontz, Elizabeth D., 11938
- Mitchell, George W., 11326
- Moore, Geoffrey H., 11548
- Passer, Harold C., 10868
- Reed, John H., 11805
- Reese, Aaron, W., 11309
- Robertson, J. L., 11330
- Russell, Harold, 11831
- Seaborg, Glenn T., 10752, 10773, 10775-776, 10778-779
- Schnellbacher, E. E., 11460-461
- Stellano, Rocco C., 10867, 10881
- Stans, Maurice H., 10862-866, 10880
- Thompson, Theos J., 10772, 10777
- Tribus, Myron, 10869-871
- Venn, Grant, 11239
- Walker, Charles E., 11925
- Washburn, C. Langborne, 11929
- Weldenbaum, Murray L., 11920, 11923
- FMC SP series, 11309-310
- MA SP series, 11560-563
- Adhesion, interaction of methane, ethane, ethylene, and acetylene with iron (001) surface and their influence on adhesion studies with LEED and auger, 11666
- Adjutant General's Office, general correspondence, 1890-1917, index, microcopy, pamphlet to accompany, 11726
- Administration, *see* Administrative management.
- Administrative management:
  - administration of—
    - insured mortgages, mortgagees guide, 11419
    - negotiated pension, health, and insurance plans, major collective bargaining agreements, 11529
  - cost, source of funds, expended for public assistance payments, 11761
  - handling airspace matters, procedures, FAA handbook, 11285
  - housing code administration and enforcement, 11259
  - integrated logistics support (ILS)—
    - management guide, Army technical manual, 10743
    - procedural guide, Army technical manual, 10745
    - support integration, Army technical manual, 10744
  - Leninist principles of management in age of scientific and technical revolution, 11505
  - manpower, improved management in Federal Government, report, 10992
  - Navy manpower and personnel management information system, improvement needed in reliability, GAO report, 11375

# INDEX

- Administrative management—Continued  
 new careers, National Center for Health  
 Services Research and Development,  
 11753
- Admiral, John R., nonlinear fluid oscillations  
 in partially filled axisymmetric container  
 of general shape, 11657
- Adoption, definition of term "child" in vet-  
 erans' laws, amend, law, 10922
- Adult education, *see* Education.
- Adults:  
 public assistance programs, improve—  
 bill form, 11117  
 revision as resubmitted by Administra-  
 tion, 11118
- Advanced Research Projects Agency, pro-  
 gram of research on high temperature  
 materials and laser materials, 11737
- Advisory Committee on Early Childhood  
 Programs, establish, hearings, 11031
- Advisory committees, *see* names of commit-  
 tees.
- Advisory Council on American Folklore, es-  
 tablish, hearing, 11136
- Aerial photography, television cloud photog-  
 raphy, meteorological satellite data, cata-  
 log, 11277
- Aerodynamics:  
 static characteristics of—  
 attached inflatable decelerator models at  
 Mach 3.0, 11662  
 systematic series of wings determined  
 from subsonic wind-tunnel study,  
 11656  
*see also* Aircraft—Stability of aircraft—  
 Air speed.
- Aeroelasticity, helicopter rotors in forward  
 flight, method for determining character-  
 istic functions associated with aeroelastic  
 instabilities, 11615
- Aeronautical instruments, VTOL flight-  
 director concept during constant-speed  
 instrument approaches, evaluation, 11684
- Aeronautical supplies, *see* Military supplies.
- Aeronautics:  
 air traffic patterns for IFR and VFR avia-  
 tion, 11282  
 airman's information manual, 11283  
 aviation operations, severe thunderstorm  
 radar echo motion and related hazard-  
 ous weather events, 11268  
 civil aviation, world survey, Canada, 10783  
 flight procedures and airspace, 11287
- Aerosols, sodium chloride aerosols used in  
 respirator filter penetration, 11588
- Aerospace medicine, *see* Medicine.
- Aerospace vehicles, *see* Spacecraft.
- AFDC, *see* Children—Families—Public as-  
 sistance.
- AFHRL, *see* Air Force Human Resources  
 Laboratory.
- AFOQT, *see* Air Force.
- Africa:  
 African series, 11894  
 this new dialogue, 11894  
 west coast, tide tables, 10853
- Afro-Americans in Far West, handbook for  
 educators, 11200
- Aged:  
 health insurance, participating health fa-  
 cilities, 11857  
 housing, rental and co-op, loans for senior  
 citizens in rural areas, 10696  
 outlays for medical care, 1966-69, fiscal  
 years, 11860  
 toward a brighter future for the elderly,  
 report of President's Task Force on  
 Aging, 11832
- Aging, developments in aging, 1969 report of  
 Special Committee on Aging, print ad-  
 ditional copies, report, 11071
- Aging, President's Task Force on, *see* Presi-  
 dent's Task Force on Aging.
- Aging, Special Committee on, Senate, devel-  
 opments in aging, 1969, report, print ad-  
 ditional copies, report, 11071
- Agrall, Selman N., Turkish graded reader,  
 11904
- Agricultural adjustment act, *see* Agricul-  
 ture.
- Agricultural commodities, *see* Agricultural  
 products.
- Agricultural credit:  
 Bankhead-Jones farm tenant act, amend,  
 hearing, 11018  
 farm and credit, 1970 outlook, 11279
- Agricultural experiment stations, regional  
 cotton variety tests, results, 10677
- Agricultural finance, *see* Agriculture.
- Agricultural products:  
 commodities containing economic poisons,  
 prohibit importation, hearing, 11017  
 foreign trade by countries, 11198  
 marketing research reports, 10688-691  
 orderly liquidation of stocks of agricul-  
 tural commodities held by Commodity  
 Credit Corporation and expansion of  
 markets for surplus agricultural com-  
 modities, 10694  
 prices, 1969 annual summary, 11905  
 production research reports, 10702-703
- Agricultural Research Service, ARS series,  
 10677-680
- Agriculture:  
 Agricultural adjustment act of 1938,  
 amend, report, 11084.  
 agricultural economic reports, 11190-194  
 agricultural finance review, 11195  
 agriculture handbooks, 10682-683  
 agriculture information bulletin, 10684  
 census publications, price list, 11836  
 child labor, requirements under Fair labor  
 standards act, 11935  
 foreign agricultural economic report, 11197  
 Foreign Agricultural Service, miscellane-  
 ous FAS-M series, 11340-342
- Agriculture and Forestry Committee, Senate:  
 hearing, 11103  
 reports, 11084, 11086, 11100
- Agriculture Committee, House, hearings,  
 11017-19
- Agriculture Department:  
 appropriations, 1971—  
 hearings, 11104  
 report, 10983  
 chemical compounds authorized for use  
 under USDA poultry, etc., inspection  
 programs, list, 11154  
 food inspection role, need to reassess, GAO  
 report, 11377  
 leaflet, 10687  
 marketing research reports, 10688-691  
 miscellaneous publications, 10692-693  
 PA [program aid] series, 10695-701  
 production research reports, 10702-703  
 statistical bulletins, 10704-708  
 technical bulletin, 10709
- AIB series, 10684
- Aid to families with dependent children, *see*  
 Children—Families—Public assistance.
- Air carriers:  
 airline statistics handbook, 10837  
 opportunity for savings by improved selec-  
 tion of air carriers for transporting  
 military cargo, Defense Dept., GAO  
 report, 11378  
 supplemental, inclusive tours, CAB special  
 regulations, 10838
- Air Force:  
 career indications among junior officers,  
 10711  
 line officers, graduate education, 10712  
 lithograph series, 10724-725  
 manpower determinants, changes, 10714-  
 715  
 officers, qualifying test, equivalence of  
 AFOQT scores for different educational  
 levels, 10710  
 women, discover the world, 10722
- Air Force Academy, Colo., administration of  
 training, uniform policy, create, report,  
 10965

**Air Force Department:**  
 Air Force manuals, 10713-719  
 Air Force pamphlets, 10720-721  
 aircraft maintenance, potential for savings, GAO report, 11380  
**Air Force Human Resources Laboratory,**  
 technical reports, 10710-712  
 Air Force supplies, *see* Military supplies.  
**Air inlets (aircraft):**  
 XB-70 flight test data comparisons with simulation predictions of inlet unstart and buzz, 11625  
 XB-70-1 inlet pressure fluctuation during takeoff and prior to compressor stall at Mach 2.5, dynamic analysis, 11669  
 Air lines, *see* Air Carriers.  
**Air pollution:**  
 air quality control region, Federal facilities, Hartford, New Haven, Springfield, 11712  
 air quality criteria—  
   carbon monoxide, 11713  
   hydrocarbons, 11714  
   photochemical oxidants, 11715  
 Air quality improvement act, hearings, 11143  
 Clean air act, amend—  
   hearings, 11143  
   report, 10974  
 control—  
   hearings, 11143  
   problem, etc., 11261  
 ice fog, low temperature air pollution, 11250  
 interstate effects surveillance network 1966 data, 11716  
 national emission standards study, report, appendixes, 11717  
 pollution analysis, bibliography of literature of activation analysis, 11738  
 prevention and control, amend act, report, 10974  
**Air Pollution Control Administration, *see* National Air Pollution Control Administration.**  
**Air speed:**  
 instrument landing approach of heavy subsonic jet transport with external-flow jet-flap system used for additional lift, simulator study, 11686  
 VTOL flight-director concept during constant-speed instrument approaches, evaluation, 11684  
**Air transportation, *see* Transportation.**  
**Aircraft:**  
 aerodynamic characteristics of hypersonic transport configuration at Mach 6.86, 11695  
 Air Force, lithographic series, 10725  
 alterations, acceptable methods, techniques and practices, 11281  
 C-141A, flight test data, analysis, 11611  
 Coast Guard, authorization for procurement, law, 10921  
 free-wing, gust-alleviation characteristics and handling qualities, evaluation, 11603  
 jet transport, heavy subsonic with external-flow jet-flap system used for additional lift, simulator study of instrument landing approach, 11686  
 large, airworthiness directives, summary, 11290  
 maintenance, potential for savings, GAO report, 11380  
 marine aircraft wing, Fleet Marine Force manual, 11553  
 military procurement appropriations, 1971, authorization, hearings, 11107  
 0.16-scale six-jet V/STOL model in transition, induced interference effects on aerodynamic characteristics, 11635  
 small, airworthiness directives, summary, 11291  
 stub and frame antennas for flight vehicles, USSR study, 11499

**Aircraft—Continued**  
 supersonic transport development, hearings, 10936  
 type certification, noise standards, Federal aviation regulations, 11284  
 V/STOL, conditions limiting testing in wind tunnels with solid floor, theoretical study, 11664  
 VTOL flight-director concept during constant-speed instrument approaches, evaluation, 11684  
 XB-70 flight test data comparisons with simulation predictions of inlet unstart and buzz, 11625  
*see also* Aircraft accidents—*also* names of aircraft parts.  
**Air traffic:**  
 airspace matters, procedures for handling, FAA handbook, 11285  
 control, special military operations handbook, change, 10726  
 control system and crews, in these hands, story, 11208  
 control system for 1970's development by Federal Aviation Administration, problems, report, 11016  
 flight procedures and airspace, 11287  
 patterns for IFR and VFR aviation, 11202  
 Air traffic controllers, early retirement benefits, provide, report, 11102  
**Aircraft accidents:**  
 briefs, accidents by make and model of aircraft—  
   Aero Commander Beechcraft, CESSNA 310, Pipe PA-23 and PA-30, 11803  
   Aeroneva 7 and 11, Ercopeu, Globe GC-1A Navion, Luscombe 8, Mooney MK 20/21, Stinson 103, and Talcraft, 11804  
   Beech 23 and 35, Piper 13/PA-11, PA-12, PA-16, PA-18, PA-20, PA-22, PA-24, PA-25, PA-28, and PA-32, 11801  
   CESSNA 120/140, 140A, 150, 170, 172, 175, 180, 182, 185, 190/195, 205/210, 11802  
   reports, 11799-800  
**Aircraft Instruments, *see* Aeronautical instruments.**  
**Airlift, *see* Transportation.**  
**Airlines, *see* Air carriers.**  
**Airmen, airman's information manual, 11283 *see also* Aviators.**  
**Airplanes:**  
 complex airplane model, sonic-boom characteristics in extreme near field, at Mach numbers of 1.5, 1.8, and 2.5, 11644  
 forebody, some turbulent boundary layer measurements obtained at Mach numbers up to 1.72, 11674  
 light single-engine low-wing, static longitudinal and lateral characteristics, wind-tunnel investigation, 11681  
 normal, utility, and acrobatic category airplanes, airworthiness standards, Federal aviation regulations, 11284  
 transport category, airworthiness standards, Federal aviation regulations, 11284  
 turbojet, response to runway roughness, 11640  
 XR-70-1 inlet pressure fluctuations during takeoff and prior to compressor stall at Mach 2.5, dynamic analysis, 11669  
*see also* Aircraft.  
**Airport industrial parks, *see* Industrial parks.**  
**Airports:**  
 Airport and airway development act of 1970, law, 10918  
 airport and airway trust fund, establish, law, 10918  
 planning airport industrial park, 11289  
 terminal instrument procedures, TERPS, U.S. standard, 11286

# INDEX

- Airports—Continued**  
 used airfield landing mat, criteria for inspection, evaluation, classification and reuse, 11254  
 user charges, imposition of tax, law, 10918  
 Airspace utilization, see Air traffic.
- Airways:**  
 Airport and airway development act of 1970, law, 10918  
 airport and airway trust fund, establish, law, 10918  
 user charges, imposition of tax, law, 10918  
 Airworthiness, see Aircraft—Airplanes.
- Alaska:**  
 earthquake, 1964, effects on Alaska Railroad, 11394  
 ground water in permafrost regions, 11399  
 Matanuska-Sustina Borough area, development of new lands, 10727  
 southeastern, northwest coastal area of Prince of Wales Island, paleozoic stratigraphy, 11387  
 Alaska Power Administration, appropriations, 1971, hearings, 11022  
 Alaska Railroad, earthquake, 1964, effects on, 11394  
 Albedo, normal, of moon, photoelectric-photographic study, 11396  
 Albright, John, seven firefights in Vietnam, 11572  
 Albuquerque, N. Mex., area wage survey, 11537  
 Alcoholics, comprehensive community services for, Williamsburg papers, 11775  
 Alcoholism, problem, hearings, 11135  
 Aldon, Earl F.:  
   fourwing saltbush survival after inundation, 11355  
   growing fourwing saltbush transplants for field planting, 11356  
 Algae, marine, of Dominica, 11849  
 Allens, worker certification program, 11914  
 Allen, James E., jr.:  
   addresses, etc.—  
     May 22, 1970, 11236  
     May 25, 1970, 11201  
     June 7, 1970, 11208  
 Allen, R. M., morphology and length correlated in terminal flushes of longleaf pine saplings, 11365  
 Allotments, see Tobacco.  
 Alloys, refractory, potassium corrosion test loop development program, 11602  
   see also names of metals, etc.
- Alpha particles:**  
 bibliography, 11577  
 employee exposure to alpha radiation in underground uranium mines, controlling, 11573  
 Alpha rays, see Alpha particles.  
 Alternators, see Electric generators.  
 Altitude control, see Aircraft.  
 AM series, 10780  
 Ambrosia Lake, structure of district, and stratigraphy of Morrison formation, 11386  
 AMC, see Army Materiel Command.  
 American Folklife Foundation, establish, hearing, 11138  
 American Revolution Bicentennial Commission:  
   appropriations, 1971, amendment, report, 10990  
   report, 11065  
 American Samoa, annual report, 11439  
 America's 200th anniversary, report of American Revolution Bicentennial Commission, 11065
- Ammunition:**  
 importation of ammunition, internal revenue regulations, 11458  
 production for Vietnam, impact on southeast Kansas, 10729
- Anadromous fish, see Fish and fisheries.**  
 Anahua National Wildlife Refuge, birds, list, 11887
- Analysis, see names of substances or objects analyzed.**  
 Analysis centers, see Information services.  
 Analytic calculation of launch vehicle response to winds and calculations of optimal biased pitch programs, 11667  
 Analytical Reference Service, report, 11262  
 Anatomical gift act, see Anatomy.  
 Anatomy:  
   Anatomical gift act, law, 10928  
   gift of all or part of human body after death for specified purposes, authorize in District of Columbia, law, 10928  
   lateral (+Gy), rearward-facing (+Gx) and forward-facing (-Gx) body orientations, experimental comparison of trauma when restrained by lap belt only, 10750  
 Anderson, Duwayne M., phase boundary water in frozen soils, 11251  
 Anderson, Herbert C., Jr., annotated list of parasites of bluefish *Pomatomus saltatrix*, 11893  
 Anderson, Lillian I., land conveyance, amend law, 11069  
 Anderson, Willard W., computerized onboard expedition monitor and maintenance analyst (EMMA) for spacecraft systems, 11634  
 Animal vectors, see Vectors (biological).  
 Animals, man and animal, changing concepts, 11879
- Annuities:**  
   District of Columbia teachers' retirement amendments of 1970, law, 10923  
   trusts, tax exemption, procedures and guides under Internal revenue code, 11457  
 Anodes, Federal item identification guide, 11165
- Antarctic regions:**  
   Antarctic bibliography, 1951-61, 11552  
   ionospheric disturbances, 1968 observations, 11275  
 Antarctica, see Antarctic regions.
- Antennas:**  
   antenna parts, Federal item identification guide, 11166  
   shunt-fed, log-periodic monopole array antenna, analysis, 11273  
   stub and frame, flight vehicles, USSR study, 11499  
 Anthrax, see Flies.  
 Antiballistic missiles, see Missiles.  
 Antimony, geochemical investigations for, at Stibnite, Idaho, 11596
- Antimycin A:**  
   control fish, resume on field applications, 11878  
   effects on tissue respiration of rainbow trout and channel catfish, 11878  
 Antitrust laws, see Trusts (Industrial).  
 AOML, see Atlantic Oceanographic and Meteorological Laboratories.  
 Apanasewicz, Nellie, educational system of Yugoslavia, 11211  
 Apollo project, see Project Apollo (man-in-space program).  
 Apollo spacecraft, see Spacecraft.  
 Appalachian region, oil-producing formations, lithologic descriptions, 11581  
 Appalachian Regional Commission, appropriations, 1971, hearings, 11105  
 Appeals, appellate procedure, Federal rules, with forms, 11052  
 Appellate proceedings, see Appeals.  
 Apples, fresh, sold in selected markets, prices and spreads, 10691  
 Apprentices, training, sure way to skilled craft, 10728  
 Appropriations, supplemental, 1970, report, 11066  
   see also subjects, or names of departments, etc., for which appropriations are made.

Appropriations Committee, House :  
 hearings, 11020-22  
 reports, 10962-963, 10983, 10985  
 Appropriations Committee, Senate :  
 hearings, 11104-106  
 reports, 11088, 11101  
 Aquatic animals, invertebrates, chronic  
 effects from methoxychlor, 11892  
 Aquatic plants, *see* Marine flora.  
 Arbitration, international convention on  
 Recognition and Enforcement of Foreign  
 Arbitral Awards, implement, report, 10991  
 Arches National Monument, general informa-  
 tion, 11786  
 Architect of Capitol, transfer to Librarian  
 of Congress authority to purchase office  
 equipment and furniture for Library of  
 Congress, report, 11081  
 Architecture :  
 building research, selected studies appli-  
 cable to design and construction of  
 health facilities, 11407  
 structural design review of long, cylindrical,  
 liquid-filled independent cargo tank-  
 barges, 11846  
 Arctic regions, eastern Arctic ice, seasonal  
 outlook, 11810  
 Area handbook, Mongolia, 10738  
 Area wage survey, *see* Wages.  
 Arizona :  
 county business patterns, 10800  
 foliar moisture content of chaparral ac-  
 counting for variation and relating to  
 prescribed fires, 11348  
 Arkansas, forest industries, 11368  
 Armaments, *see* Munitions.  
 Armed Forces :  
 appropriations, 1971, military procure-  
 ment, authorization, hearings, 11107  
 enlisted men appointed officers, no pay  
 reduction, report, 10969  
 gold star lapel button, more equitable  
 standard for awarding, report, 10970  
 members—  
 death, where no remains are recovered,  
 payment of certain expenses, report,  
 10972  
 voluntarily extending tour of duty in  
 hostile fire area, special 30-day period  
 of leave, extend authorization, report,  
 10967  
 military-industrial complex, case for bal-  
 anced viewpoint (remarks), 10772  
 procurement quality assurance handbook,  
 medical materiel, supplement, 11185  
 provisions under titles 10 and 37, United  
 States Code, repeal obsolete sections,  
 report, 10968  
 service personnel, income tax guide, in-  
 formation for all States, 11522  
 United States flags to be presented to  
 parents of deceased veterans, report,  
 10971  
 United States Forces in southeast Asia,  
 terminate use, report, 11076  
 Armed Forces Industrial College, *see* Indus-  
 trial College of Armed Forces.  
 Armed Forces Institute, manual, 11158  
 Armed Services Committee, House :  
 hearings, 11023  
 reports, 10985-973  
 subcommittee report, 11024  
 Armed Services Committee, Senate :  
 hearings, 11107-109  
 report, 11093  
 Armed services papers, 11023-24  
 Arms (firearms) *see* Firearms.  
 Arms control, *see* Disarmament.  
 Arms Control and Disarmament Agency :  
 appropriations, authorization, extend,  
 law, 10907  
 Assistant Directors, uniform compensa-  
 tion, provide, law, 10907  
 Army :  
 Headquarters, records, National Archives  
 inventory group, 11718

Army—Continued  
 installations and major activities in con-  
 tinental U.S., list, 10735  
 register, Jan. 1, 1970—  
 departmental editions, 10748-750  
 document editions, 10942-944  
 Army Department :  
 appropriations, 1971, civil functions,  
 hearings, 11106  
 field manuals, 10733-734  
 integrated logistics support (ILS)—  
 maintenance engineering analysis data  
 system, Army technical manual, 10746  
 management guide, technical manual,  
 10743  
 procedural guide, technical manual,  
 10745  
 support integration, technical manual,  
 10744  
 pamphlets, 10735-739  
 procurement, preproduction evaluation  
 (PPE) contracts, 10732  
 technical manuals, 10740-747  
 Army Materiel Command :  
 AMC pamphlets, 10731-732  
 publications and blank forms, index  
 10731  
 Army Medical Research and Nutrition  
 Laboratory, reports and reprints, bibli-  
 ography, 10751  
 Army National Guard, *see* National Guard  
 Army posts, *see* Military posts.  
 Army supplies, *see* Military supplies.  
 Arnold, Pitt W., analysis of shunt-fed, log-  
 periodic monopole array antenna, 11273  
 ARPA, *see* Advanced Research Projects  
 Agency.  
 Array antennas, *see* Antennas.  
 Arrest, drug arrest abroad, notice, 11901  
 ARS, *see* Agricultural Research Service.  
 Art :  
 muses revisited, role of the fine arts in  
 modern education (address), 11236  
 toward civic art, 11766  
 Artificial satellites, *see* Satellites.  
 Artillery, field artillery support, Fleet Marine  
 Force manual, 11559  
 Artists, National Collection of Fine Arts,  
 exhibit, list, 11764  
 Arts and crafts, apprentice training, sure  
 way to skilled craft, 10728  
 Asbestos, chrysotile, disposal from national  
 and supplemental stockpile, report, 11012  
 Asla :  
 central, modification of clouds, USSR  
 study, 11520  
 East Asian and Pacific series, 11895-896  
 South, social science research, special  
 papers, available, 11897  
 southeast—  
 moral and military aspects of war,  
 hearings, 11124  
 U.S. Armed Forces in certain areas,  
 terminate use, report, 11076  
 use of concrete, reinforced with barbed  
 wire, concertina wire, etc., prelimi-  
 nary tests, 11255  
 Aspen, fire stimulated aspen sprouting in  
 spruce-fir forest in New Mexico, 11349  
 Assistance, *see* Public welfare.  
 Astrogeology, contributions to astrogeology  
 (series), 11396  
 Astrometry :  
 and astrophysics—  
 atmospheric optics, problems, 11704  
 physics of comets, 11702  
 Astronautics, spaceflight, investigations, op-  
 portunities for participation, changes,  
 11709-710  
 Astronauts, life support systems, university  
 role in developing water recovery systems,  
 11624  
 Astronomy, astronomical phenomena, 11808  
*See also* Astrometry.

# INDEX

**Astrophysics :**  
 astronomy and astrophysics—  
   atmospheric optics, problems, 11704  
   physics of comets, 11702  
**Atlantic City, N.J., joint probability method**  
 applied to tide frequency analysis, 11269  
**Atlantic Ocean, western north, correlation**  
 of movements, 11272  
**Atlantic Oceanographic and Meteorological**  
**Laboratories, ESSA technical report,**  
**ERL-AOML series, 11272**  
**Atlantic States :**  
 cost of transporting freight, 11483  
 North, public elementary and secondary  
 day schools, 1968-69, directory, 11204  
 North Atlantic slope basins, surface water  
 supply basins from New York to Dela-  
 ware, 11401  
**Atmosphere :**  
 atmospheric optics, problems, 11704  
 atmospheric physics, problems, collection  
 of papers, 11698  
 atmospheric potential-gradient measure-  
 ments at sea, 11820  
 controlled atmosphere weathering device,  
 disclosure report, 11741  
 Federal oceanic and atmospheric program  
 for research development, etc., hearings,  
 11115  
 ground wave propagation in ionized atmo-  
 sphere with arbitrary variation of con-  
 ductivity with altitude, 11274  
**Atmospheric entry, lifting entry for un-**  
**manned Viking class Mars landers,**  
**11670**  
**Atmospheric waves, see Waves.**  
**Atomic auxiliary power generators, SNAP-8**  
**nuclear reactor as energy source for**  
**Brayton cycle power generation system,**  
**study of potential application, 11641**  
**Atomic energy :**  
 energy and future (remarks), 10773  
 long range atomic interaction potentials  
 for nitrogen, 11694  
 twenty-five eventful years, entering  
 nuclear age (remarks), 10779  
**Atomic Energy Commission :**  
 AEC research and development reports,  
 10753-771  
   hearings, 11022  
   appropriations, 1971 authorization—  
   law, 10933  
   report, 11073  
**Atomic Energy Joint Committee, report,**  
**11073**  
**Attitude (Inclination) :**  
 fine-pointing control system of soft-  
 gimbaled orbiting telescope, investiga-  
 tion, 11071  
 Attitude control, *see* Spacecraft.  
**Auditing, "should cost" concepts feasibility**  
**of using in Government procurement and**  
**auditing, GAO report, 11372**  
**Auger, interaction of methane, etc., with**  
**iron (001) surface and their influence on**  
**adhesion, studied with LED, 11666**  
**Austenitic steel, stainless 19-9DL and**  
**12R72HV, effect of thermal-mechanical**  
**treatments, 10757**  
**Authoritarianism, economic contest between**  
**freedom and authoritarianism (address),**  
**11323**  
**Automatic data processing, see Electronic**  
**data processing systems.**  
**Automatic data processing equipment, see**  
**Electronic data processing equipment.**  
**Automobile insurance :**  
 automobile insurance and compensation  
 study, 11915  
 mass marketing of property and liability  
 insurance, 11915  
**Automobiles :**  
 automobile allowances for certain dis-  
 abled veterans, increase, report, 10986  
 car rental in U.S.A., 11928

**Automobiles—Continued**  
 Federal consumer safety legislation cov-  
 ering scope and adequacy, 11767  
 imported foreign-made, excise tax infor-  
 mation, 11454  
 recent purchases and expectations to buy  
 during months ahead, cars, houses, and  
 other durables, survey data, 10823  
 steam-powered cars, condensers and boilers,  
 parametric analysis of size, weight, and  
 required fan power, 11660  
 Aviation, *see* Aeronautics.  
 Aviation fuel, *see* Motor fuel.  
 Aviation war risk insurance, *see* War risk  
 insurance.  
 Aviators, aviation medical examiners, direc-  
 tory, 10781  
 Awards (arbitration) :  
   foreign arbitral awards, recognition and  
   enforcement, convention, report, 10991

## B

**Balance, a discussion of conservation is-**  
**suues, 11821**  
**Ball bearings, see Bearings (machinery).**  
**Ballasts (electric) :**  
 ballasts and starters, Federal item identi-  
 fication guide, 11167  
**Baltimore, Md., passenger lists of vessels ar-**  
**riving, quarterly abstracts, pamphlets to**  
**accompany microcopy, 11723**  
**Bandages and bandaging, surgical dressings,**  
**Federal item identification guide, 11175.**  
**Baney, Anna M., Hill-Burton State plan data,**  
**national summary as of Jan. 1, 1968, 11406**  
**Banister, D'Arcy P., geochemical investiga-**  
**tions for gold, antimony, and silver at Stib-**  
**nite, Idaho, 11596**  
**Banking, see Banks and banking.**  
**Banking and Currency Committee, House :**  
 committee prints, 11025, 11027  
 hearings, 11026, 11028-29  
 report, 10960  
**Banking and Currency Committee, Senate :**  
 hearings, 11110-112  
 reports, 11089, 11095  
**Bankruptcy, Federal rules of appellate pro-**  
**cedure, with forms, 11052**  
**Banks and banking :**  
 bank debits and demand deposits, 1969,  
 11320  
 bank holding company act of 1956, amend,  
 hearings, 11111  
 bank lending practices, 1969, survey of  
 changes, 11321  
 Development Bank act, hearings, 11026  
 intent and letter of bank regulation (re-  
 marks), 11326  
 one-bank holding company legislation of  
 1970, hearings, 11111  
 operating banking offices, list, 11301  
 operating banks and branches, changes,  
 11300  
**Barbados, economic trends and their impli-**  
**cations for United States, 11476**  
**Barclay, Peter A., severe thunderstorm radar**  
**echo motion and related weather events**  
**hazardous to aviation operations, 11268**  
**Barges, long, cylindrical, liquid-filled in-**  
**dependent cargo tank-barges, structural de-**  
**sign review, 11846**  
**Bark, thickness related to three diameter in**  
**sugar maple (Acer saccharum Marsh),**  
**11347**  
**Barry, Anthony J., in situ tests of bearing**  
**capacity of roof and floor in selected**  
**bituminous coal mines, progress report,**  
**longwall mining, 11591**  
**Bars (metal, etc.) :**  
 landing mat tie bars, preliminary tests in  
 conjunction with expedient reinforce-  
 ment of concrete for use in southeast  
 Asia, 11255



- Bascom, C. W., structural design review of long, cylindrical, liquid-filled independent cargo tank-barges, 11846
- Bass, white, in Bull Shoals Reservoir, age, growth, sex composition, and maturity, 11891
- Bastnasite, treated bastnasite concentrate used as source for electrowinning misch metal
- Bats, oxygnathous, in free flight, echo location process, USSR study, 11496
- Batting (textile fibers): stuffing materials and leather, Federal item identification guide, change, 11174
- Bauer, Josephine, go! developmental reading (C), 11558
- Bauer, Mary L., current estimates from health interview survey, 11755
- Baumann, Lewis A.: effects of storage temperatures on quality of—  
cottonseed salad oil, 10688  
soybean salad oil, 10689
- Bauta-Toa Vaca Tunnel, P.R. feasibility design report, 11842
- Bauxite, surinam-type metallurgical grade, disposal from national and supplemental stockpile, report, 11007.
- Bearings (machinery):  
75-millimeter-bore bearings to 1.8 million DN with electron-beam-welded hollow balls, performance, 11653  
unsteady Navier-Stokes equations for infinite hydrodynamic step bearing, computer solution, 11630  
water-lubricated three-sector hydrodynamic journal bearings, experiments on stability at zero load, 11842
- Beatty, Rosemary P., metallization systems for integrated circuits, 11687
- Beaver Reservoir, food habits of 5 centrachids during filling, 11891
- Been, Julian F., effects of nuclear radiation on high-reliability silicon power diode, analysis of forward electrical characteristics, 11637
- Beetles, mountain pine beetles in ponderosa pine, cacodylic acid field tested for control, 11351
- Beever, Joseph L., veterans' reemployment rights handbook, 11934.
- Behavior:  
dolphins in captivity, USSR study, 11501  
elementary teacher education program, feasibility study, behavioral science teacher education program, final report, 11221
- Bell, Terrel H., address, July 10, 1970, 11209
- Belts, see Safety belts.
- Beltz, Roy C., Arkansas forest industries, 11368
- Bending moments, see Moments.
- Beneficiaries, public employee retirement systems, 1969, benefits and beneficiaries, 11859
- Bennett, A. H., thermal properties, and heat transfer characteristics of Marsh grapefruit, 10709
- Benson, Carl S., ice fog, low temperature air pollution, 11250
- Bentley, Helen D., remarks, June 19, 1970, 11310
- Berg, Otto E., filamentary crystal growth associated with hypervelocity microparticle impact craters, 11668
- Berry, Virginia M., phase behavior in binary and multicomponent systems in elevated pressures, n-pentane and methane-n-pentane, 11732
- Bess, Leon, automatic cell counter, 11665
- Bessemer and Lake Erie R.R., accident report, 11317
- Better water is in the works, 11408
- Bibliography:  
alpha particles, 11577  
Antarctic, 1951-61, 11552  
death and dying, 11771  
desalting literature, 11449  
environmental studies of Iraq, Jordan, Lebanon, and Syria, 10723  
fish disease publications in English, selected, 11877  
Forest Service, publications by subject list, 11344  
14-MeV neutron generators in activation analysis, 11739  
helium, 11577  
maternal nutrition, 11564  
mental retardation, 11404  
meteorological rocket sounding systems, 30KM to 200 KM, study, 11604  
natural environmental radioactivity, 10771  
nuclear medicine, 10764  
oceanography, selected activation analysis literature, 11740  
pollution analysis, bibliography of literature of activation analysis, 11738  
pulsars, 10765  
radioactive occurrences in United States, selected list, 10762  
system design considerations, overall, research and development in computer and information sciences, 11730  
see also names of departments, etc. Issuing lists of publications.
- Bicycle tires, see Tires.
- Bidding, see Government contracts.
- Bioengineering, see Biomedical engineering.
- Biological Laboratory, Auke Bay, Alaska, general information, 10888
- Biology, biological effects of tritium, 10759  
see also Marine biology.
- Biomedical engineering, research training programs, compendium, 11772
- Birds:  
Anahuac National Wildlife Refuge, list, 11887  
Blackwater National Wildlife Refuge, list, 11883  
certain problems in studying orientation, USSR study, 11497  
Holla Bend National Wildlife Refuge, list, 11886  
Iroquois National Wildlife Refuge, list, 11888  
Monomoy National Wildlife Refuge, list, 11885  
orientation, USSR study, 11512  
Sand Lake National Wildlife Refuge, list, 11881  
Savannah National Wildlife Refuge, list, 11884  
Wheeler National Wildlife Refuge, list, accidental species, 11882
- Birmingham, Ala., area wage survey, 11539
- Bituminous coal, see Coal.
- Bismuth, disposal from national and supplemental stockpile, report, 11004
- Black Sea, shallow water regions, characteristics of biological noise propagation, 11500
- Black walnut, see Walnuts.
- Blackwater National Wildlife Refuge, birds, list, 11883
- Blades:  
modified tandem rotor blade, performance evaluation, 11621  
6-inch radial bladed centrifugal compressor, effect of Reynolds number on overall performance, 11645  
rotor blade-vortex interaction, experimental study, 11613  
turbine blade loading, advanced concepts to increase, experimental investigation, 11621
- Blast effects, see Explosions.
- Blasting, crater scaling in granite for small charges, 11594

# INDEX

- Blood, red cell cation exchange and displacement of oxygen dissociation curves in chronic hypercapnia, 11567
- Blood banks, licensed, transfer of blood components within District of Columbia, authorize, law, 10917
- Blood vessels, measurement of blood vessels in retinal photographs of submariners, 11571
- Blue River:  
vicinity, Kansas City, Mo. and Kans., engineers report—  
departmental edition, 11248  
document edition, 10946
- Bluefishes, bluefish, annotated list of parasites, 11893
- Board of Trustees of Federal Supplementary Medical Insurance Trust Fund, annual report, 10945
- Body (human), *see* Anatomy.
- Boeckel, John H., Goddard Space Flight Center test philosophy and resultant record, 11659
- Boilers:  
condensers and boilers for steam-powered cars, parametric analysis of size, weight, and required fan power, 11660  
mercury, X-ray observations of flow patterns, 11631  
potassium flowing adiabatically through venturi sized as boiler inlet, experimental cavitation and flashing, 11639
- Bollermann, Bruce, study of 30 KM to 200 KM meteorological rocket sounding systems, literature and data review, 11604
- Bombyliidae, *see* Flies.
- Bonds, TVA power plant projects financing, increase borrowing authority, hearing, 11057
- Bones, calcium content, study to develop neutron activation for measuring, 11618
- Bonneville Power Administration, appropriations, 1971, hearings, 11022
- Books, science and mathematics, for elementary and secondary schools, 11241
- Booms, slender thin-walled booms, instability due to thermally induced bending moments, 11646
- Boots and shoes:  
footwear, Federal item identification guide, 11171  
heel and shoe, friction, Federal item identification guide, 11172  
small domestic shoe manufacturers, problems, hearings, 11112
- Boring machinery, *see* Drills (tools).
- Borsody, Janos, analytic calculation of launch vehicle response to winds and calculations of optimal biased pitch programs, 11667
- Boston, Mass., passenger lists of vessels arriving, 1820-91, pamphlet to accompany microcopy, 11719
- Botany, Smithsonian contribution to botany, 11849
- Boundary layer:  
laminar boundary layer in presence of suction, 11703  
transition on flat plates, charts for estimating, 11678  
turbulent boundary layer measurements obtained from forebody of airplane at Mach numbers up to 1.72, 11674
- Bowker, H. Thomas, Antarctic bibliography, 1951-61, 11552
- Brackets, Federal item identification guide, change, 11168
- Brain:  
minimal brain dysfunction in children, educational medical and health-related services, 11844  
sciences, IBRO survey of research facilities and manpower in United States, index and supplement, 11781
- Bramer, Henry C., continuation of materials evaluation program, 11441
- Brasfield, C. W., wave action and breakwater location, Vermillion Harbor, Ohio, 11256
- Brayton cycle:  
power generation system using SNAP-8 nuclear reactor as energy source, study, 11641  
6-inch radial bladed centrifugal compressor, effect of Reynolds number on overall performance, 11645  
space power system, design and development, alternator and voltage regulator-exciter, 11601  
2- to 10-kilowatt Brayton rotating unit, effects of operating parameters on net power output, 11661
- Breakfasts, school breakfast program for children, strengthen and expand, law, 10909
- Breakwaters, wave action and breakwater location, Vermillion Harbor, Ohio, 11256
- Breeder reactions, *see* Reactors (atomic).
- Bridges:  
bridge inspector's training manual, 11838  
special replacement program, to enable States to replace bridges over major rivers, hearings, 11146
- Brimmer, Andrew F., remarks, June 20, 1970, 11324
- Brines:  
disposal, by solar evaporation, laboratory experiments, 11446  
solar evaporation, disposal methods, data, 11445
- Broaching, machines, industrial plant equipment handbook, 11159
- Broadcasting, *see* Radio broadcasting—Television.
- Broadfoot, W. M., tree-character relations in southern hardwood stands, 11358
- Brodie, Donald C., drug utilization and drug utilization review and control, 11752
- Brooks, Parkman T., electrochemical recovery of high-purity nickel and cobalt from crude nickel and ferronickel, 11587
- Brown unit, *see* Fort Belknap project.
- Brunner, Robert O., trust fund surpluses and fiscal neutrality in social security program, 11861
- Bryan, C. Hobson, propensity for change among rural poor in Mississippi Delta, study of roots of social mobility, 11192
- Bryant, Horace E., identification of ingested gizzard shad and threadfin shad by gizzard dimensions, 11891
- Buckley, Donald H., interaction of methane, ethane, ethylene, and acetylene with iron (001) surface and their influence on adhesion studied with LEED and auger, 11666
- Buffeting loads, *see* Load (mechanics).
- Build our American communities, 11280
- Building:  
bibliography for overseas missions of International Development Agency, 11417  
low-rent housing—  
construction handbook, 11423  
preconstruction handbook, 11421  
orderly revolution (address), 10871  
research, selected studies applicable to design and construction of health facilities, 11407
- Buildings, institutions of higher education grouped by level, control, and enrollment size, distribution patterns, 11206
- Bull Shoals Reservoir, age, growth, sex composition and maturity of white bass, 11891
- Bulletins, *see* names of departments, etc., issuing bulletins—*also* subjects.
- Bullis, W. Murray, methods of measurement for semiconductor materials, process control, and devices, errata, 11736
- Burch, Dean, address, June 10, 1970, 11293
- Burlington, Vt., area wage survey, 11535
- Burma, records of Dept. of State, pamphlets to accompany microcopy, internal affairs, 11721

- Burning of land:  
 foliar moisture content of chaparral in Arizona, accounting for variation and relating to prescribed fires, 11348  
 prescribed burning and deadening upland hardwoods in northern Mississippi, hydrologic effects, 11366
- Burns, Alfred J., prices and spreads for apples, grapefruit, grapes, lemons, and oranges sold fresh in selected markets, 10691
- Burns, Arthur F.:  
 address—  
 June 26, 1970, 11323  
 July 2, 1970, 11331  
 July 6, 1970, 11322
- Burns, Robert D.:  
 Missouri Basin Inter-Agency Committee—minutes of 158th meeting, 11598  
 minutes of 159th meeting, 11599
- Burundi, economic trends and their implications for United States, 11475
- Buses, *see* Motorbuses.
- Business:  
 census establishment and IRS corporation data, Link, 1963 enterprise statistics, 10827  
 census, 1967, retail trade, merchandise line sales, 10785-794  
 census publications, price list, 11836  
 county business patterns, CBP series, 10800-811  
 establishing in Iran, 10878  
 farmer cooperatives, farm business tools, 10684  
 minority enterprises (address), 10862  
 overseas business reports, 10872-879  
 program in 2-year colleges to up-grade employees (paper), 11239  
 small business—  
 domestic shoe manufacturers, problems, hearings, 11112  
 drug industry, competitive problems, hearings, 11148  
 franchising, impact, hearings, 11149  
 small marketers aids, 11848
- Business men:  
 GSA and minority businessman, partners in progress, 11385  
 rural and urban problems of small businessmen, hearings, 11061
- Butadiene, acrylonitrile-butadiene-styrene (ABS) plastic pipe (schedules 40 and 80), voluntary product standard, 11745
- Butadiene styrene, acrylonitrile-butadiene-styrene (ABS) plastic pipe, standard dimension ratio, product standard, 11746
- Buying, *see* Purchasing.
- Byrd, Paul F., Gauss quadrature rules involving some nonclassical weight functions, 11649
- C
- C.C.C., *see* Commodity Credit Corporation.  
 C.F.S. series, 10882-887  
 C-141A, *see* Aircraft.
- C&MS, *see* Consumer and Marketing Service.  
 Cabbage loopers, *see* Loopers.
- Cacodylic acid, field tested for control of mountain pine beetles in ponderosa pine, 11351
- Cadets, *see* Coast Guard Academy, New London.
- Cadmium:  
 disposal from national and supplemental stockpile, report, 11002  
 single crystal high resistivity cadmium telluride for use as gamma ray spectrometer, research and development, 10763
- Cahn, Robert, nomination, hearing, 11129
- Calcium, content of bone, study to develop neutron activation for measuring, 11618
- Calculations, *see* Numerical calculations.
- Calculus of variations, *see* Functional analysis.
- California, coast, marine sanctuaries, create, hearings, 11131
- Callahan, Wayne, health insurance for aged, participating health facilities, 11857
- Cambodia:  
 concluded, now it's time to negotiate, report to Nation by President Nixon, 11896  
 United States military actions, questions of international law, 11895
- Cameras, framing of motion-picture cameras, synchronized with 4-microsecond flashing light and its application in Schlieren photography, 11682
- Campaigns (political), *see* Elections.
- Campbell, Colleen A., Federal and State student aid programs, 11064
- Campbell, George G., evaluation of oil shale fracturing tests near Rock Springs, Wyo., 11584
- Campbell Robert W., testimony, hearings, 11108
- Camping, camping in national park system, fees, facilities, etc., 11787
- Canada:  
 civil aviation, world survey, 10783  
 foreign trade regulations, 10877  
 operation of radiotelephone stations, agreement, 11066
- Canyonlands National Park, boundaries, revise, hearing, 11128
- Capacitors, series capacitor inverter-converter for multikilowatt power conversion, 11696
- Cape Cod National Seashore, land acquisition appropriations, increase, law, 10913
- Car rental in U.S.A., 11928
- Carbon dioxide:  
 intermittent exposure to 3% CO<sub>2</sub>, effect on respiration, 11570  
 recycle and dual pressure melt gasification for MHD system, 10852
- Carbon monoxide:  
 air quality criteria, summary and conclusions, 11713  
 contamination of refractory metals, 11607  
 Carbonates, *see* Lithium carbonates.
- Carbonization, prediction of carbonization product yields from exploration data, 11586
- Cardiac pacemaker, *see* Heart.
- Careers, *see* Occupations.
- Cargo, *see* Shipments.
- Cargo handling, chemical data guide for bulk shipment by water, 10854
- Carpets, Wilton, Brussels, etc., Tariff commission report, 11911
- Carriers:  
 common and contract, property tax assessments, hearing, 11047  
 Interstate commerce act, amend, hearing, 11047  
*see also* Air carriers.
- Carroll, James W., man and animal changing concepts, 11879
- Cars, *see* Automobiles.
- Carter, Gene, assignment rates for claims submitted under supplementary medical insurance program, 11858
- Cartography, *see* Maps and charts.
- Castor oil, disposal from national stockpile, report, 11005
- Cataloging, serials, MARC format, 11556
- Catalogs:  
 copyright entries, 11156  
 meteorological satellite data, ESSA 7 television cloud photography, 11277  
 programmed instructional material, Navy, 11812
- Catfish, channel, effects of Antimycin A on tissue respiration, 11878
- Catfons, *see* Ions.
- Cattle, rinderpest, highly contagious disease, 10699
- CATV (community antenna television) *see* Television.

# INDEX

- Cavitation, experimental, and flashing of potassium flowing adiabatically through venturi sized as boiler inlet, 11639
- Cayuse Indians, *see* Umatilla Reservation.
- CCC, *see* Commodity Credit Corporation.
- Celestial mechanics, Hill's method of secular perturbations, discussion of application to determination of zero-rank effects in non-singular vectorial elements of planetary motion, 11632
- Cells:  
 automatic cell counter, 11665  
 red cell cation exchange and displacement of oxygen dissociation curves in chronic hypercapnia, 11567
- Census:  
 business, 1967, retail trade, merchandise line sales, 10785-794  
 census establishment and IRS corporation data link, 1963 enterprise statistics, 10827  
 construction industries, 1967, final industry reports, publication order form, 10828  
 manufactures, 1967, industry statistics, 10795-796  
 population and housing, 1970—  
   preliminary reports, announcement and order form, 10830  
   printed reports, 10825  
   publications, price list, 11836  
   summary tapes, general information, 10824  
 transportation, 1967, commodity transportation survey—  
   area series, 10797  
   commodity groups, 10793  
   *see also* population, census
- Census Bureau, census establishment and IRS corporation data link, 1963 enterprise statistics, 10827
- Centrarchidae, food habits of 5 species during filling of Beaver Reservoir, 11891
- Central Asia, *see* Asia.
- Central States, cost of transporting freight, 11482-483
- Centrifuges, space station centrifuge configuration, stability study and modal analysis, 11654
- Ceramic fibers, *see* Fibers.
- Chamiza, *see* Saltbush.
- Channel catfish, *see* Catfish.
- Chansler, John E., cacodylic acid field tested for control of mountain pine beetles in ponderosa pine, 11851
- Chaparral, foliar moisture content, in Arizona, accounting for variation and relating to prescribed fires, 11348
- Charlotte, N.C., area wage survey, 11543
- Charpy-V notch ductility characteristics of neutron-irradiated A 537-B and A350-LF2 steel weldments, 11819
- Chars, char oil energy development, Interim report, 10851
- Charts, *see* Maps and charts—*also* subjects.
- Chase, John L.:  
 directory of graduate deans at United States universities, 1872-1970, 11203  
 graduate teaching assistants in American universities, recent trends and recommendations, 11229
- Cheat River, W. Va., Rowlesburg Dam, spillway and outlet works, 11257
- Chemical industries, *see* Chemicals.
- Chemical reactions, sulfide to sulfate reaction mechanism, 11336
- Chemicals:  
 chemical data guide for bulk shipment by water, 10854  
 chemical service, custom contact-molded reinforced polyester chemical resistant process equipment, voluntary product standards, 11743  
 compounds authorized for use under USDA poundly, etc., inspection programs, list, 11154
- Chemicals—Continued  
 planning in chemical industry, USSR study, 11506  
*see also* Organic compounds.
- Chemistry, new alchemy chemistry role in rebuilding world (remarks), 10775
- Chesapeake and Delaware Canal, construction, repair, etc., progress report, hearings, 11055
- Chicago, Ill., fresh fruit and vegetable prices, 10707
- Child care, *see* Children.
- Child development, *see* Children.
- Child Development Office, establish, hearings, 11031
- Child health, *see* Children.
- Child labor:  
 agriculture, requirements under Fair labor standards act, 11935  
 bulletin, 11935
- Children:  
 AFDC study, 1969, preliminary report, 11758  
 aid to families with dependent children, financial assistance, provide basic level—  
   bill form, 11117  
   revision as resubmitted by Administration, 11118  
 child care—  
   and guidance, suggested post high school curriculum, 11202  
   services provided by hospitals, 11940  
 Child nutrition act of 1966, amend, law, 10909  
 Comprehensive preschool education and child day-care act of 1969, hearings, 11031  
 food for families with young children, 10685  
 food service programs under National school lunch act, strengthen and improve, law, 10909  
 minimal brain dysfunction in children, educational, medical and health-related services, 11844  
 preschool program in compensatory education, 11238  
 Project Head Start, child development program, 10836  
 sons and daughters of deceased or disabled veterans, educational assistance information, 11933  
*see also* Adoption.
- Children's Bureau, Chief, nomination of Edward F. Zigler, hearing, 11120
- Childs, Dana P., temperature, moisture, and relative humidity of stored tobacco, 10678
- Childs, Rex E., guidelines for poultry processing plant layouts, 10690
- Chile, foreign trade regulations, 10875
- China:  
 Communist, international negotiation, when academic door to Peking opens, memorandum, 11126  
 mainland, rare-element mineral deposits, 11388  
 records of State Department, pamphlet accompanying microcopy, political relations, 1910-29, with other States, Republic, U.S. security agreements and commitments abroad, hearings, 11125  
 Sino-Soviet stepped-up hostilities poses threat to U.S. security, hearing, 11134  
 Chinese crewmen, deserters, requests for private immigration bills, allegations of Senate bribery, investigation, report, 11002
- Chippers (tools):  
 tool forces and chip formation in orthogonal cutting of loblolly pine, 11364
- Choctaw Indians, tribal assets, final disposition, repeal act of Aug. 25, 1959, report, 10978
- Chow, Hubert K.; Moosbauer effect spectrometry for analysis of iron compounds, 10760

- Christopher, Joe F., growth components of Mississippi forests, 11360
- Chromite, refractory grade, disposal from national stockpile and supplemental stockpile, report, 11011
- Ciarrocchi, Joyce D., passenger lists of vessels arriving at Boston, 1820-91, pamphlet accompany microcopy, 11719
- Cincinnati, Ohio, area wage survey, 11533
- Circuit Court of Appeals, judge, nomination of William E. Miller, report, 11068
- Circuits, integrated circuits, metallization system for, 11687
- Circulars, *see* names of departments, etc., issuing circulars.
- Cities and towns:
- community environmental management series, 11259
  - commuter and municipal income tax, background paper, 10676
  - housing and urban development act of 1965, title 7, amend, hearings, 11028
  - new industry, how to improve your community by attracting, 11188
  - small businessmen's problems, hearings 11061
  - State urban information and technical assistance services, 1st 6 months, report, 11418
  - urban transportation planning system/360, general information and introduction, 11840
  - urban universities, rhetoric, reality, and conflict, 11247
  - water as urban resource and nuisance, 11389
- Civil Aeronautics Board, special regulations, 10838
- Civil aviation, *see* Aeronautics.
- Civil defense, *see* Civilian defense.
- Civil Defense Office:
- FG series, 10841-842
  - leaflets, 10843
- Civil Engineer Corps, Navy, former line officers, payment of severance pay, correct inequity, report, 10966
- Civil procedure:
- Customs Court, judicial machinery, improve, law, 10931
  - District Courts, rules, as amended, 11053
  - Federal rules of appellate procedure, with forms, 11052
- Civil Reserve Air Fleet, military airlift, subcommittee report, 11024
- Civil rights, act of 1957, 1960, 1964, 1968, compilation, 11049
- Civil service:
- best opportunities for Federal employment, 10846
  - examination announcements—current, 10847
  - radio broadcast technician, amendment, 10844
  - transmitter and receiver operator and maintenance technician, amendment, 10845
  - position classification systems within executive branch, improve, hearing, 11054
  - Retirement act, amend, hearing, 11142
- Civil Service Commission:
- appropriations, 1971, hearings, 11105
  - improve position classification systems, hearing, 11054
  - pamphlet, 10848
- Civil service pensions, air traffic controllers' early retirement benefits, provide, report, 11102
- Civil works, *see* Public works.
- Civilian defense:
- emergency authorities, extend, reports, 10973, 11093
  - fallout shelter analysts, national directory, 10842
  - Federal civil defense act of 1950, amend, reports, 10973, 11093
- Civilian defense—Continued
- Federal civil defense guide, 10839-840
  - FG series, 10841-842
  - Jewish War Veterans and civil defense, 10843
  - State salary ranges of positions, employment security, 11405
- Claims, assignment rates submitted under supplementary medical insurance program, 11858
- Clams, surf fishery, 10889
- Classification:
- Navy enlisted personnel manual, 11814
  - position classification systems within executive branch, improve, hearing, 11054
- Clean air act, *see* Air pollution.
- Climate:
- climatology of United States, climates of States, 11264-266
  - substation observations, precipitation, temperature, etc., 11936
- Climatology, *see* Climate.
- Clothing, and textile repair shop, mobile, Federal item identification guide, 11169
- Clouds:
- Central Asia, modification of, USSR study, 11520
  - convective, relationship between horizontal moisture convergence and cloud formation, 11267
  - television photography, meteorological satellite data, catalog, 11277
- Coal:
- bituminous, transportation on Great Lakes waterway system, 11575
  - char oil energy development, interim report, 10851
  - consol synthetic fuel process, 1970 final report, 10850
  - Mines Bureau coal program, 1969, review, 11582
- Coal mines and mining:
- bituminous coal mines, in situ tests of hearing capacity of roof and floor, progress report, longwall mining, 11591
  - Mines Bureau program, 1969, review, 11582
- Coal Research Office, research and development reports, 10850-852
- Coast Guard:
- appropriations for vessels, etc., authorization, law, 10921
  - careers, general information, 10858
  - construction of shore and offshore establishments, appropriation authorization, law, 10921
  - national search and rescue manual, amendment, 10856
  - oceanographic report, 10857
  - your son and Coast Guard, recruiting information, 10861
- Coast Guard Academy, New London:
- cadet profile, 10859
  - information bulletin for candidates, 10860
- Coast Guard Reserve, register of officers, 10855
- Coast Guard stations:
- appropriations for vessels, etc., authorization, law, 10921
  - construction of shore and offshore establishments, appropriation authorization, law, 10921
- Coastal Engineering Research Center, technical memorandums, 11249
- Coasts, coastal zone management programs, assist States in establishing, hearings, 11115
- Coating materials, *see* Polyethylene.
- Cobalt:
- disposal from national and supplemental stockpile, report, 11010
  - high-purity, electrochemical recovery, from crude nickel and ferronickel, 11587
- Cobalt isotopes, 60 Co heat source demonstration program, phase 1, preliminary analysis and design technical report, 10770

# INDEX

- Cochran, Doris M., frogs of Colombia, 11785  
 Cochran, Thomas H., effects of gravity on gas jet diffusion flames, 11690  
 Code of Federal regulations, 11318-319  
   index, 11318  
   *see also* for titles, chapters, etc., of the code printed separately—*also* subjects.  
 Codes, error control using concatenated code, 11647  
   *see also* Codes of law—*also* subjects.  
 Codes of law, United States, 1964 edition, supplement, 10902  
   *see also* subjects.  
 Coe, Harold H., performance of 75-millimeter-bore bearings to 1.8 million DN with electron-beam-welded hollow balls, 11653  
 Coke, prediction of strength and carbonization product yields from exploration data, 11586  
 Cold Regions Research and Engineering Laboratory, research report, 11250-252  
 Collective bargaining, major agreements, administration of negotiated pension, health, and insurance plans, 11529  
 College students, *see* Students.  
 Colleges and universities:  
   basic student charges, tuition and fees, for room and board, 11230  
   college bound program, New York City, secondary program in compensatory education, 11242  
   graduate deans, 1872-1970, directory, 11203  
   graduate education of air force line officers, 10712  
   graduate teaching assistants in American universities, recent trends and recommendations, 11229  
   higher education—  
     how Education Office assists students and colleges, 11232  
     reports for participants in Higher Education Bureau program, 11231  
   physical facilities, distribution among institutions grouped by level, control and enrollment size, 11208  
   Sea-grant college and program act of 1966, amend, reports, 11079, 10994  
   university role in astronaut life support systems, water recovery systems, 11624  
   urban universities, rhetoric, reality, and conflict, 11247  
 Collins, C. G.:  
   effect of thermal-mechanical treatments on tensile strength of 19-9DL and 12R72HV austenitic stainless steels, 10757  
   summary of tube fabrication studies using planetary swager, 10758  
 Colombia:  
   economic trends and their implications for United States, 11464.  
   frogs, types, description, etc., 11785.  
 Colorado, Piceance Creek basin, Green River formation lithology and oil shale correlations, 11583  
 Combat vehicles, *see* Motor vehicles.  
 Comets, physics, studies in astrometry and astrophysics, 11702.  
 Commander's supply and maintenance handbook, 10739.  
 Commemorative medals, *see* Medals.  
 Commerce:  
   current U.S. role in export trade and proposals for future improvement (address), 11460.  
   export challenge of 70's (address), 11461  
   foreign agricultural trade by countries, 11198  
   Foreign Arbitral Awards, recognition and enforcement, convention on, implement, report, 10991.  
   foreign trade—  
     FT reports, 10831-832  
     United States, 1968-70, quarterly, 10879  
   Commerce—Continued  
   Puerto Rican-Virgin Islands trade study, 11311  
   trade policy at mid-year, 1970 (address), 11876  
   trade policy toward developed countries, hearings, 10938  
   Commerce Committee, Senate:  
     hearings, 1114-115  
     report, 11077  
   Commerce Department:  
     maritime programs, appropriation, authorization, law, 10908  
     special studies, services, and joint projects, authorize, hearing, 11042  
   Commercial fisheries, *see* Fish and fisheries.  
   Commercial Fisheries Bureau:  
     Biological Laboratory, Auke Bay, Alaska, general information, 10888  
     circulars, 10888  
     special scientific reports, fisheries series, 10896-897  
     statistical list, SL series, 10893-895  
   Commercial policy:  
     trade policy at mid-year, 1970 (address), 11876  
     U.S. position in international markets (remarks), 11922  
   Commercial products:  
     census of business, 1967, merchandise line sales, retail trade, 10785-794  
     commodity transportation survey, 1967  
     census of transportation—  
       area series, 10797  
       commodity groups, 10798  
       U.S. summary, 10798  
     exports, foreign trade report, 10832  
     schedule B, 10831  
     imports, foreign trade reports, schedule A, commodity groupings, etc., 10833  
     recent purchases of cars, houses, and other durables and expectations to buy during months ahead, survey data, 10823  
     voluntary product standard PS (series), 11742-749  
   Commission on Revision of Criminal Laws of District of Columbia *see* Criminal Laws of District of Columbia, Commission on Revision of.  
   Commissioned officers, *see* Public Health Service.  
   Commodities, *see* Commercial products—*also* names of commodities.  
   Commodity Credit Corporation, orderly liquidation of stocks of agricultural commodities held by CCC, etc., 10694.  
   Communications:  
     act of 1934, amend, hearings, 11043  
     electronics activities, terminology, Air Force manual, 10713  
     industry wage survey, 11546  
     satellite, foreign policy implications, hearings, 11033  
     skills center project, Detroit, Mich., elementary-secondary program in compensatory education, 11220  
     VLF multimode propagation predictions, theoretical errata, 11818  
     *see also* Signals.  
   Communism, Leninist principles of management in age of scientific and technical revolution, 11505  
   Communities, *see* Cities and towns.  
   Community development programs, high school and young adult groups, build our American communities, 11200  
   Community facilities:  
     comprehensive community services for alcoholics, Williamsburg papers, 11775  
     Emergency community facility act of 1970, hearings, 11028  
     mental health centers, bold new approach, 11774

- Community mental health center, bold new approach, 11774
- Commuter and municipal income tax, background paper, 10676
- Compacting, uranium mononitride compacts, fabrication, 11692
- Compaction, *see* Compacting.
- Compacts (interstate), *see* Interstate agreements.
- Compensation, *see* Pensions.
- Compensatory education, *see* Education.
- Competition, drug industry, competitive problems, hearings, 11148
- Compounds, *see* names or classes of compounds.
- Comprehensive community mental health center, 11777
- Compressors, 6-inch radial bladed centrifugal compressor, effect of Reynolds number on overall performance, 11645
- Computer programs/programming:  
 computer solution of unsteady Navier-Stokes equations for infinite hydrodynamic step bearing, 11630  
 effectiveness analysis of moving target selection systems by computer modeling, USSR study, 11492  
*see also* subjects.
- Computer Research and Technology Division, technical reports, 11779
- Computer science:  
 research and development in computer and information sciences, 11730  
 time series analysis, theory and practice, 11779  
 yearbook of office mechanization and computer technology, Hungary, 11490
- Concentrators, solar energy, modified whirl-membrane, geometric properties, 11683
- Concrete, reinforced with barbed wire, concertina wire, etc., for use in southeast Asia, preliminary tests, 11255
- Condensation, *see* Moisture.
- Condensers (vapor and gases):  
 and hollers for steam-powered cars, parametric analysis of size, weight, and required fan power, 11660
- Conductivity (electric), *see* Electric conductivity.
- Cones:  
 large-angle, with short spikes, flow field at Mach number of 9.6, investigation, 11643  
 ram-air of attached inflatable decelerator models at Mach 3.0, static aerodynamic characteristics, pressure distributions, 11662
- Confederate States of America, Confederate soldiers who served in organizations raised directly by Confederate government, and Confederate general and staff officers and nonregimental enlisted men, compiled service records, index, microcopy, pamphlet to accompany, 11729
- Confederated Tribes of Umatilla Reservation, *see* Umatilla Reservation.
- Conference committees, reports, 10989, 10993, 10997-11012, 11015
- Conferences, congresses, etc., planning and conducting preretirement seminars, 11863  
*see also* names of conferences, etc.—*also* subject of conference.
- Conflict of generations, urban universities, rhetoric, reality, and conflict, 11247
- Congress of United States:  
 code of Federal regulations, 11319  
 congressional record, 91st Congress, 1st session, bound volumes, 10899-901  
 legislative reorganization act of 1970, improve legislative branch, report, 11013
- Congressional record, *see* Congress of United States.
- Congressional serial set, 10903-905
- Conneautville, Pa., railroad accident report, 11317
- Conomos, T. J., movement of seabed drifters in San Francisco Bay estuary and adjacent Pacific Ocean, 11393
- Conquest of the depths, 11517
- Conservation, *see* Natural resources—*also* subjects.
- Construction, *see* Building—Construction industry.
- Construction industry:  
 census, 1967, final industry reports, publication order form, 10828  
 construction reports, 10799  
 new statistics for an old industry (address), 11548  
 orderly revolution (address), 10871
- Consuls, U.S., despatches, Tampico, Mexico, 1824-1906, pamphlet accompanying microcopy 11720
- Consumer and Marketing Service:  
 C&MS series, 11151-153  
 meat plants, weak enforcement of Federal sanitation standards, GAO report, 11383
- Consumer Income, *see* Income.
- Consumers:  
 business-consumer relations (address), 10864  
 buying indicators, series, 10823-824  
 Federal safety legislation, automobile safety, flammable fabrics and hazardous substances programs, study, 11767
- Contagion and contagious diseases, infectious diseases, reducing incidence of, USSR study, 11510
- Containers, partially filled axisymmetric container of general shape, nonlinear fluid oscillations, 11657
- Contamination:  
 polymeric, visual appearance, 11675  
 refractory metals by oxygen, water vapor, and carbon monoxide, 11607
- Continental Divide Trail study, progress report, 11822
- Continental Shelf, northwestern U.S., surface currents as determined by drift card releases, 11891
- Contraceptives, oral contraceptives, competitive problems in drug industry hearings, 11148
- Contractor report NASA CR (series), 11601-625
- Contractors, *see* Government contracts.
- Contracts, *see* Government contracts.
- Control (vehicle), *see* Aircraft.
- Control systems:  
 fast breeder reactor control shield and reflector materials development, report, 10756  
 fine-pointing control system of soft-gimballed orbiting telescope, 11071  
 generalized parameter fuel control for jet engines, computer and engine performance study, 11689  
 guidance and control payload support requirements for planetary cartographic probe, 11680  
 information systems, USSR study, 11504
- Controllability, handling qualities and gust-alleviation characteristics of free-wing aircraft, evaluation, 11603
- Controls (aircraft), *see* Aircraft.
- Converters, series capacitor inverter-converter for multikilowatt power conversion, 11696
- Cooling, steady state heat transfer in two-dimensional porous media, analytical method, 11693
- Cooper, Barbara S., medical care outlays for aged and nonaged persons, 11860
- Cooperative Extension Service, got a forestry problem, extension foresters can help, 10700

## INDEX

- Cooperatives, District of Columbia cooperative association act, amend, report, 10952  
*see also* Farmers' cooperative organizations.
- Copepods, cyclopoid, of genus *Pseudanthesius* associated with crinoids in Madagascar, 11852
- Copper:  
 copper vapor, laser breakdown of, 11679  
 suspension of duties on certain forms, continue, reports, 10948, 11097
- Copyright, catalog of copyright entries, 11156
- Corporations, census establishment and IRS corporation data link, 1963 enterprise statistics, 10827
- Correspondence, Adjutant General's Office, general correspondence, 1890-1917, index, microcopy, pamphlet to accompany, 11726
- Corrosion and anticorrosives, Cb-12r Rankine system corrosion test loop, 11602
- Corundum, disposal from national stockpile, report, 11003
- Cosmetics, Food, drug, and cosmetic act, amend, hearings, 11141
- Cosmic rays, elementary particles and cosmic rays, 11699
- Cosmonaut Training Center, USSR, story related, 11498
- Cosmonauts, story of USSR Cosmonaut Training Center related, 11498
- Cost:  
 operating nuclear merchant ship Savannah, GAO report, 11371  
 "should cost" concepts, feasibility of using in Government procurement and auditing, GAO report, 11372  
*see also* subjects.
- Cost accounting, *see* Accounts and accounting.
- Cotton:  
 Tanzania, 11342  
 testing service, tests available, equipment and techniques, basis for interpreting reports, 11153  
 variety tests, regional, results, 10677  
 Cottonseed, *see* Cottonseed oil.  
 Cottonseed oil, storage temperature effects on quality of cotton seed salad oil, 10688
- Counseling, counseling guide, General Services Administration, 11384
- Counters, *see* Electronic counters.
- Counties:  
 county business patterns, CBP series, 10800-811  
 urban orientation, focus for area development analysis, errata, 11191
- Counting devices, automatic cell counter, 11665
- Couplings, Federal Item Identification guide, 11170
- Courts, District of Columbia court reform and criminal procedure act of 1970, report, 11015  
*see also* District courts.
- Cows, automatic crowding gate for dairy cows, farm building plan, 10692
- Cox, F. B., expedient reinforcement for concrete for use in southeast Asia, preliminary tests of barbed wire, concertina wire, wire rope, landing mat and landing mat tie bars, 11255
- Cracking (fracturing):  
 oil-shale fracturing tests near Rock Springs, Wyo., evaluation, 11584
- Crafts, *see* Arts and crafts.
- Craters:  
 crater dimensions and free surface displacement pulses, effects of explosive properties, 11592  
 crater scaling in granite for small charges, 11594  
 hypervelocity microparticle impact craters, and associated filamentary crystal growth, 11668
- Craters of Moon National Monument, designate certain lands as wilderness area, report, 11094
- Cresci, Vincent J., selected annotated bibliography of environmental studies of Iraq, Jordan, Lebanon and Syria, 10723
- Credit:  
 Emergency home financing act of 1970, hearings, 11026  
 report, 10960
- Creighton, C. S., field experiments on insecticidal control of cabbage loopers, 10702
- Cretaceous period, uppermost Cretaceous and Tertiary stratigraphy of Fossil basin, southwestern Wyoming, 11397
- Crime and criminals:  
 crime and delinquency field, Federal agencies role, Federal support programs, compilation, 11778  
 crime in America, youth in trouble, hearings, 11030  
 criminal violations of Sherman antitrust act, increase penalties, hearings, 11133  
 District of Columbia court reform and criminal procedure act of 1970, report, 11015  
 Omnibus crime control and safe streets act of 1968, amend hearings, 11050  
 youthful offenders, Youth Correction Division to designate examiners to make recommendations for parole, hearing, 11051
- Crime, Select Committee on, House, hearings, 11030
- Criminal Laws of District of Columbia, Commission on Revision of, appropriations, 1971, report, 10963
- Crinoids, cyclopoid copepods of genus *Pseudanthesius* associated with crinoids in Madagascar, 11852
- Crudes, *see* Tar.
- Cruises, ocean vessels, operating differential subsidy, remove certain limitations, law, 10911
- Cryogenic liquids, *see* Cryogenics.
- Cryogenics, cryogenic fluid density measurement system, disclosure report, 11741
- Crystals:  
 filamentary crystal growth associated with hypervelocity microparticle impact craters, 11668  
 single crystal high resistivity cadmium telluride for use as gamma ray spectrometer, research and development, 10763
- Culture:  
 Ethnic heritage studies centers act, hearings, 11032  
 international exchange of persons program, 1969 report, 11899  
 international information and cultural series, 11899
- Curecanti National Recreation Area, general information, 11788
- Currency, *see* Money.
- Current estimates from health interview survey, 11755
- Current fishery statistics, C.F.S. series, 10832-887
- Currents, *see* Ocean currents.
- Curry, Billy R., climate of Oklahoma, 11265
- Customs, *see* Tariff.
- Customs Court:  
 act of 1970, law, 10931  
 judicial machinery, improve, amend code, law, 10931
- Cutting machinery, *see* Gear cutting and finishing machines.
- Cyclopoidae, *see* Copepods.
- Cylinders, hemisphere and cone-cylinders, shock wave shapes and surface pressures on, in low-density hypersonic flow including ablation, 11633



D

D.S.A., *see* Defense Supply Agency.  
 Dahne, Harold L., distribution of physical facilities among institutions of higher education grouped by level, control, and enrollment size, 11206  
 Daily food guide, 11339  
 Dairy cattle, *see* Cows.  
 Dairy products, selected, and their substitutes, marketing margins, 11196  
 Dairying:  
   dairy market statistics, 1967, annual summary, 10705  
   economic aspects in Northeast, 11194  
 Dales, Sophie R., benefits and beneficiaries under public employee retirement systems, 11859  
 Dams, *see* names of dams or bodies of water.  
 D'Andrea, Dennis V., crater sealing in granite for small charges, 11594  
 Data, *see* subjects.  
 Data processing, *see* Electronic data processing systems.  
 Data storage and retrieval systems, *see* Information storage and retrieval systems.  
 Davis, Albert B., tobacco production and trade in Republic of Korea, 11340  
 Day care of children:  
   comprehensive programs, provide hearings, 11031  
   food service programs under National school lunch act, strengthen and expand, law, 10909  
 Deans (in schools):  
   graduate, United States universities, 1872-1970, directory, 11203  
 Death, and dying, selected bibliography, 11771  
 Debates and debating, high school topic, 1970-71, collection of excerpts and bibliography, 11063  
 Debts, *see* Banks and banking.  
 Debt, adjusting business in D.C., prohibit, law, 10928  
   *see also* Public debt.  
 Decelerators:  
   40-foot-diameter (12.2 meter) ringsail parachute, high altitude flight test at deployment Mach number 2.95, 11652  
   ram-air inflation of attached inflatable models at Mach 3.0, static aerodynamic characteristics, pressure distributions, etc., 11662  
 Decisions, *see* names of courts, etc., rendering decisions—*also* subjects.  
 Dedication and hope (address), 11322  
 Defense, *see* Civilian defense—National defense.  
 Defense contracts, *see* Government contracts.  
 Defense Department:  
   appropriations, 1971—  
     hearings, 11020  
     military construction—  
       hearings, 11023  
       reports, 10951, 10985  
     military procurement, authorization, hearings, 11107  
   DoD pamphlets, 11437  
   food inspection role, need to reassess, GAO report, 11377  
   handbook DSAH series, 11159-160  
   manual DSAM series, 11161-164  
   military handbook, 11179  
   military standards, 11180  
   opportunity for savings by improved selection of air carriers for transporting military cargo, GAO report, 11378  
   procurement quality assurance handbook supplement, 11185  
   quality and reliability assurance handbook, 11185  
   utilization and marketing handbook, supplement, 11164  
 Defense Logistics Services Center, DSA-  
 DLSA handbook, 11164

Defense Supply Agency:  
   DSA-DLSC handbook, 11164  
   handbook DSAH series, 11159-160  
   manual DSAM series, 11161-164  
   potential for reducing inventory investments through improved computation of stock needs, GAO report, 11379  
 Defense support funds, defense manpower policy No. 4, procurement contracts and worker surpluses, questions and answers, 11913  
 Deformations (mechanics):  
   fibered ceramics, preparation by mechanical deformation, 11638  
 Delaware River Basin Commission, appropriations, 1971, hearings, 11022  
 Delaware Water Gap National Recreation Area, general information, 11789  
 Delinquent children, *see* Juvenile delinquency.  
 Demand, *see* Supply and demand.  
 DeMarco, Jack, incinerator guidelines, 11260  
 Demography, demographic reports for foreign countries (series), 10826  
 Demonstration projects, *see* Recreational areas and demonstration projects.  
 Dental care, *see* Dentistry.  
 Dental officers, *see* Dentists.  
 Dentistry, veterans benefits, for service since Jan. 31, 1953, 11932  
 Dentists, State dentist manpower reports, 1965-67, compilation, 11409  
 Derouin, Robert G., Weather Bureau forecast verification scores for 1968-69 and some performance trends from 1966, 11270  
 Des Moines, Iowa, alcoholism and narcotics problem, hearings, 11135  
 Desalination:  
   hydrodynamic aspects, by reverse osmosis, 11444  
   plants, materials evaluation program, continuation, MERF-MERS system, 11441  
   reverse osmosis desalination systems, application of hollow filament technology, 11447  
   *see also* Sea water.  
 Desalting of sea water, *see* Sea water.  
 Design manual DM series, 11807  
 Designs (architectural) *see* Architecture.  
 Desulphurization, sea water desulfating process pilot plant, supervision, construction, and evaluation, 11451  
 Detention of persons, *see* Arrest.  
 Detroit, Mich.:  
   area wage survey, 11540  
   Communication Skills Center Project, elementary-secondary program in compensatory education, 11220  
   Internal Revenue Service Data Center, space requirements, hearing, 11056  
 Deveiks, William D., static aerodynamic characteristics, pressure distributions, and ram-air inflation of attached inflatable decelerator models at Mach 3.0, 11662  
 Development (economics), *see* Underdeveloped areas.  
 Developments (real estate), *see* Housing.  
 Diatomic molecules, *see* Molecules.  
 Dictionaries, communications-electronics terminology, 10713  
 Dies, *see* Taps and dies.  
 Differential equations, *see* Equations.  
 Diffusion flames, *see* Flames.  
 Digests, *see* Index digests—names of departments, etc., issuing digests—*also* subjects.  
 Dimethylarsinic acid, *see* Cacodylic acid.  
 Diptera, *see* Flies.  
 Directories:  
   aviation medical examiners, 10781  
   Federal buying directory, 11384  
   graduate deans, 1872-1970, at United States universities, 11203  
   health and mental health local units, 11416  
   information analysis centers, Federally supported, 11293  
   military assistance program address directory, changes, 11182-84

## INDEX

- Directories—Continued  
   narcotic addiction treatment agencies, in U.S., 11776  
   outdoor recreation, private assistance organizations, 11825  
   public elementary and secondary day schools, 1968-69—  
     North Atlantic region, 11204  
     West and Southwest region, 11205  
   qualified fallout shelter analysts, 10842  
   telephone—  
     Interior Department, 11453  
     Transportation Department, interim directory, services and classified, 11917
- Disability insurance :  
   social security, disability benefits, find out if you are eligible, 11868  
   your social security, 11864
- Disabled, *see* Pensions—Veterans—*also* Disability insurance.
- Disarmament :  
   ABM, MIRV, SALT, and nuclear arms race, hearings, 11122  
   Arms control and disarmament act, amendments, law, 10907  
   Strategic Arms Limitation Talks, public review of issues, hearings, 11108
- Disasters :  
   emergency broadcast system, basic plan, 10841  
   emergency procedures for control of civil transportation, 11916  
   national defense emergencies, railroad planning for, 11485
- Discover the world, women in Air Force, 10722
- Diseases, *see* Contagion and contagious diseases—*also* Vectors (biological).
- Diseases of animals, *see* names of diseases.
- Diseases of fish :  
   fish disease leaflet FDL-(series), 11877  
   selected fish disease publications in English, 11877
- Displacement :  
   free-surface displacement pulses and crater dimensions, effects of explosive properties, 11592  
   oxygen dissociation curves and red cell cation exchange in chronic hypercapnia, 11567
- Dissociation, displacement of oxygen dissociation curves and red cell cation exchange in chronic hypercapnia, 11567
- Distillation, digest, vols. 1-2, 11442
- Distilled spirits, *see* Liquors.
- Distortion, perceived, decrease with repeated exposure application for naval diver training, 11568
- Distribution (statistics) :  
   physical facilities among institutions of higher education grouped by level, control, and enrollment size, 11206
- District Courts :  
   civil procedure rules, as amended, 11053  
   Federal rules of appellate procedure, with forms, 11052  
   judges, additional, appoint, law, 10932  
   three judge district court provision in Expediting act, abolish, report, 10958
- District of Columbia :  
   appropriations, 1971, report, 11101  
   blood banks, licensed, transfer of blood components within the city, authorize law, 10917  
   cooperative association act, amend, report, 10952  
   court reform and criminal procedure act of 1970, report, 11015  
   debt adjusting business, prohibit, law, 10926  
   donors, gift of all or part of human body after death for specified purposes, law, 10928  
   teachers' retirement amendments of 1970, law, 10923
- District of Columbia—Continued  
   water pollution in National Capital region hearings, 11116  
   welcome to Washington, 11796
- District of Columbia Committee, House :  
   appropriations, 1971, report, 10963  
   report, 10952
- District of Columbia Committee, Senate, hearings, 11116
- Divers, naval diver training, decrease in perceived distortion with repeated exposure, application, 11568
- DLSC, *see* Defense Logistics Services Center.
- Do teachers make a difference? 11207
- Dool, Norman R., feasibility study of Florida State University model for preparation of elementary school teachers, 11224
- Dolores County, Colo. :  
   geologic investigations in Slick Rock district (series), 11395  
   Slick Rock district and vicinity, structure, 11395
- Dolphins, behavior in captivity, USSR study, 11501
- Domestic Council, establish, hearings, 11127
- Dominica, *see* Windward Islands.
- Doolittle, M. L., forest fire occurrence in South, 1956-65, 11357
- Dorsch, Bernhard, error control using concatenated code, 11647
- Drag (aerodynamics) :  
   aerodynamic characteristics of hypersonic transport configuration at Mach 6.86, 11695  
   induced interference effects on aerodynamic characteristics of V/STOL 0.18-scale model in transition, 11635  
   non-continuum and turbulence effects on subsonic sphere drag, measurement, 11616
- Dreshfield, Robert L., estimation of gamma phase composition in nickel based superalloy based on geometric analysis of four-component phase diagram, 11648
- Drift, movement of seabed drifters in San Francisco Bay estuary and adjacent Pacific Ocean, 11398
- Drills (tools) :  
   boring machines, industrial plant equipment handbook, 11159
- Drug abuse :  
   alcoholism and narcotics, problem, hearings, 11135  
   drug arrests abroad, notice, 11901  
   drug utilization review and control, 11752  
   education films, 11763  
   Federal drug abuse and drug dependence prevention, treatment, and rehabilitation act of 1970 hearings, 11137  
   prevention and treatment of drug abuse and drug dependence, comprehensive Federal program, provide hearings, 11137  
   *see also* Marijuana.
- Drug Abuse Prevention, Treatment, and Rehabilitation Administration, establish, hearings, 11137
- Drug addiction, *see* Narcotic habit.
- Drugs :  
   current information, FDA listing, 11337  
   drug industry, competitive problems, hearings, 11148  
   Food, drug, and cosmetic act, amend, hearings, 11141  
   manufacturing plants and warehouses, inspection, increase frequency, hearing, 11141  
   pharmaceutical industry, competition, present status, hearings, 11148  
   prescription drugs, identification and labeling, provide code system, hearings, 11141
- Dryer, A. M., alternator and voltage regulator-exciter for a Brayton Cycle space power System design and development, 11601
- DSA, *see* Defense Supply Agency.

- DSA-DLSC handbook, 11164  
 Dubos, Rene, lecture, Oct. 2, 1969, 11854  
 Ductility, Charpy-V notch ductility characteristics of neutron-irradiated A537-B and A350-LF2 steel weldments, 11819  
 Dupuy, Trevor N., area handbook for Mongolia, 10738  
 Durable goods, *see* Commercial products.  
 Duties, *see* Tariff.  
 Dynamics:  
   dynamic analysis of XB-70-1 inlet pressure fluctuations during takeoff and prior to compressor stall at Mach 2.5, 11689  
   dynamic response of model buried field shelter, Project LN 314, Operation Prairie Flat, errata, 11258  
   structural dynamic technology, advancements resulting from Saturn V programs, 11608  
   structural problems related to Apollo-Saturn V launch vehicle, application of analysis and models, 11672  
   structural technology, advancements resulting from Saturn V program, 11609

## E

- Ear, inner ear of vertebrates, development of receptor structures, 11707  
 Earnings, *see* Salaries.  
 Earth:  
   free-surface displacement pulses and crater dimensions, effects of explosive properties, 11592  
   theology of the earth (lecture), 11854  
 Earthquakes, Alaska, 1964, effects on Alaska Railroad, 11394  
 East (Near):  
   social science research, special papers available, 11897  
 East Greenacres unit, *see* Rathdrum Prairie project.  
 East North Central States, *see* Central States.  
 Eastern States, *see* Atlantic States.  
 Eastern Utilization Research and Development Division, publications and patents, list, 10681  
 Eberlein, G. Donald, paleozoic stratigraphy in northwest coastal area of Prince of Wales Island, southeastern Alaska, 11387  
 Echo location process in oxygnathous bats in free flight, USSR study, 11496  
 Echo sounding, severe thunderstorm radar echo motion and related weather events hazardous to aviation operations, 11263  
 Eckstrom, Clinton V., high-altitude flight test of 40-foot diameter (12.2 meter) ring-sail parachute at deployment Mach number 2.95, 11652  
 Ecology:  
   marine algae of Dominica, 11849  
   simplest hydroecological system, mathematical model, USSR study, 11514  
   theology of the earth (lecture), 11854  
 Economic Advisers Council, price-wage guideposts, reestablish, hearings, 11034  
 Economic conditions:  
   economy is powerful and stable (address), 10865  
   foreign economic trends and their implications for United States, ET series, 11462-481  
   report of the President to Congress, hearings, 10937  
   *see also* names of countries, States, etc.  
 Economic contest between freedom and authoritarianism (address), 11323  
 Economic development:  
   district level planning (address), 11187  
   EDA district program (addresses), 11186, 11189  
   focus for area development analysis, urban orientation of counties, errata, 11191  
 Economic geology, *see* Geology.

- Economic Joint Committee:  
 committee print, 10939  
 hearings, 10936-938  
 Economic poisons, *see* Pesticides.  
 Economic policy:  
   and restoration of price stability in United States (remarks), 11324  
   Federal Government, economic analysis and efficiency, hearings, 10938  
   foreign, for 1970's, trade policy toward developed countries, hearings, 10938  
 Economic Research Service:  
   agricultural economic report, 11190-194  
   ERS series, 11196  
   foreign agricultural economic reports, 11197  
 Economic stabilization, *see* Stabilization.  
 Economics:  
   and environment (remarks), 11920  
   economic aspects—  
     and silver potential in Leadville district, Lake County, Colo., 11576  
     dairying in Northeast, 11194  
     economic outlook at mid-1970 (address), 10868  
     policies for American economic progress in the seventies, report, 11829  
   Wisconsin elementary teacher education project, pricing and economic analysis, 11228  
 Eddy County, N. Mex., elemental sulfur, 11392  
 Eddy currents, new eddy viscosity equations in coaxial free-jet computer code, improved data agreement by using, 11673  
 Editing, drafting and editing naval letters, 11813  
 Education:  
   adult, basic program statistics, students and staff data, 11199  
   compensatory, programs, 11214-220, 11242, 11244  
   preschool, 11237-238  
   secondary program in compensatory education, junior high summer institutes, New York City, 11243  
   continuing education program of Division of Physician Manpower, 11410  
   does anybody hear? (address), 11208  
   education 1970, new chance to reform (address), 11209  
   educational assistance benefits for veterans with service since Jan. 31, 1955, summary, 11931  
   educational manual, 11158  
   educational system of Yugoslavia, 11211  
   exchange programs, international educational and cultural exchange report, 11899  
   Idea (periodical), 11233  
   international negotiation, when academic door to Peking opens, memorandum, 11126  
   levels, relationship to AFOQT scores, 10710  
   muses revisited, role of the fine arts (address), 11236  
   persons and families Mar. 1970, selected characteristics, 10817  
   preschool, comprehensive program, provide, hearings, 11031  
   Professions development act, programs for 1961-72, facts, 11210  
   public, progress in United States, 1968-69, report—  
     French edition, 11235  
     Russian edition, 11240  
     Spanish edition, 11212  
   sons and daughters of deceased or disabled veterans, educational assistance information, 11933  
   student Federal and State aid programs, 11064  
   *see also* Colleges and universities.

# INDEX

- Education and Labor Committee, House :  
hearings, 11031-32  
report, 11014
- Education Office, how it assists college students and colleges, 11232
- Educational assistants, *see* Teachers.
- Educational institutions, *see* Colleges and universities—Schools.
- Educators, Afro-Americans in Far West, handbook, 11200
- Eggs, processing plants, chemical compounds authorized for use under USDA inspection programs, list, 11154
- Ejectors, roll-out clamshell ejection concept for spinning rocket vehicles, equations for study, 11658
- Elderly people, *see* Aged.
- Elections :  
campaign information, factual, 11062  
congressional campaigns, candidates to purchase broadcast time from television stations, 11043  
qualifications for union office, issue of reasonableness in court cases under Labor-Management reporting and disclosure act, 11526
- Electric conductivity, ground wave propagation in ionized atmosphere with arbitrary variation of conductivity with altitude, 11274
- Electric conductors, *see* Semiconductors.
- Electric fields, atmospheric potential-gradient measurements at sea, 11820
- Electric furnaces, electric-furnace smelting processes, methods for studying, improving, and optimizing, 11578
- Electric generators, alternator and voltage regulator-exciter for Brayton Cycle space power system design and development, 11601
- Electric measurements, *see* Measurements.
- Electric potential, atmospheric potential-gradient measurements at sea, 11820
- Electric power, *see* Electricity.
- Electric power plants, mercury-transformer and semiconductor substations, USSR study, 11507
- Electric transformers, mercury-transformer and semiconductor substations, USSR study, 11507
- Electric utilities, private and Federal projects, 1965-68, sales of firm electric power for resale, 11312
- Electric wires and wiring, printed wiring for electronic equipment, military standard, 11180
- Electricity :  
forward electrical characteristics, analysis, effects of nuclear radiation on high reliability silicon power diodes, 11637  
Montana electric power contract oversight, hearing, 11130  
multikilowatt power conversion, use of series capacitor inverter-converter, 11696  
national electric rate book, 11313-314  
power, inappropriate source used as basis for allocating costs of water resources projects, Corps of Engineers (civil function), 11376  
sales of firm electric power for resale, 1965-68, by private electric utilities, by Federal projects, 11312
- Electrochemistry, electrochemical recovery of high-purity nickel and cobalt from crude nickel and ferronickel, 11587
- Electrolysis, electrowinning misch metal from treated bastnaesite concentrate, 11585
- Electromagnetic pumps, *see* Pumps.
- Electron beams, electron-beam-welded hollow balls, performance of 75-millimeter-bore bearings to 1.8 million DN, 11653
- Electron diffraction, interaction of methane, etc., with iron (001) surface and their influence on adhesion studies with LEED and auger, 11666
- Electronic computers, calculating parameters of memory subsystem with MOS transistors of single type, USSR study, 11493
- Electronic counters, automatic cell counter, 11665
- Electronic data processing systems :  
automatic cell counter, 11665  
equipment management needs to be improved, USSR study, 11503  
Maintenance engineering analysis data system, integrated logistics support (ILS), Army technical manual, 10746  
overall system design considerations, selective literature review, research and development in computer and information sciences, 11730  
summary tapes, general information about use, by Census Bureau, 10824
- Electronic equipment, printed wiring, military standard, 11180
- Electronics :  
communications, activities, terminology, Air Force manual, 10713  
semiconductor electronics yesterday, today and tomorrow, USSR study, 11518
- Electrowinning, *see* Electrolysis.
- Elementary education :  
compensatory program, 11213, 11215-220  
elementary and secondary education act, amend—  
hearings, 11032  
law, 10920  
teacher education program, feasibility study—  
behavioral science teacher education program, final report, 11221  
Florida State University model, 11224  
Georgia model—  
basic report, 11223  
job descriptions, 11223  
Ohio Consortium, 11222  
Oregon, plan for managing development, implementation and operation of model, project report, 11226  
Syracuse University specifications for comprehensive undergraduate and in-service teacher program, 11227  
University of Massachusetts, 11225  
Wisconsin—  
pricing and economic analysis, 11228  
program and support systems, 11228
- Elementary education schools, program for students to study cultural heritage of major ethnic groups in Nation, establish, hearings, 11032
- El progreso de la instruccion publica en los Estados Unidos de America, 11212
- Emergencies, *see* Disasters.
- Emergency home finance act of 1970, report, 10960
- Emergency Preparedness Office, appropriations, 1971, hearings, 11105
- Emissions :  
air pollution, national emission standards study, report, appendixes, 11717  
National emission standards act, hearings, 11143
- EMMA (expeditious monitor and maintenance analyst), *see* Maintenance.
- Employees :  
employees of business and industry, programs in 2-year colleges to up-grade (paper), 11239  
recording employee injuries, 11528  
*see also* names of departments, etc., where employed.
- Employment :  
act of 1946, amend, hearing, 11034  
aliens approved by occupation and by continent of birth, tables, 11914  
hiring standards and job performance, 11524

- Employment—Continued  
 incentives and training for members of needy families with dependent children—  
 bill form, 11117  
 revision as resubmitted by Administration, 11118  
 occupational health and safety act, report, 11014  
*see also* Civil service—Manpower.
- Employment security activities, *see* Unemployment insurance.
- Energy, *see* Atomic energy—Force and energy.
- Energy conversion, char oil energy development, interim report, 10851
- Enforcement of law, *see* Law enforcement.
- Engelmann Spruce, *see* Spruce.
- Engineering, integrated logistics support (ILS), maintenance engineering analysis data system, 10746  
*see also* Biomedical engineering—Military engineering.
- Engineers Corps, Army:  
 appropriations, 1971, hearings, 11106  
 civil functions, improved guidance needed for relocating railroad facilities at water resources projects, GAO report, 11373  
 power, inappropriate source used as basis for allocating costs of water resources projects, GAO report, 11376
- Engines (aircraft):  
 generalized parameter fuel control for jet engines, computer and engine performance study, 11689  
 wake effect of panel tip-mounted fan-jet engine on lift-induced vortex, exploratory wind-tunnel investigation, 11636
- Enlisted personnel, *see* Armed Forces.
- Ennis, C. E., supervision, construction, and evaluation of sea water desulfating process pilot plant, 11451
- Enrollment, *see* Schools.
- Enterotoxins, rate of enterotoxin production by staphylococci in food products, USSR study, 11509
- Enterprise statistics, series ES, 10827
- Entry into atmosphere, *see* Atmospheric entry.
- Environment:  
 coal program, 1969, Bureau of Mines, review, 11582  
 community environmental management series, 11259  
 economics and environment (remarks), 11920  
 environmental decade, action proposals for the 1970's—  
 hearings, 11035  
 report, 10949  
 environmental studies of Iraq, Jordan, Lebanon, and Syria, selected annotated bibliography, 10723  
 geologic environmental map of greater Los Angeles area, Calif., pertinent to nuclear facility siting and design, preliminary, 10768  
 marine and atmospheric, research, development, technical services, exploration, and utilization long-range national program, establish, hearings, 11115  
 national environmental study area, guide, 11791  
 physical, how can it best be controlled and developed? national debate topic for high schools, 1970-71, collection of excerpts and bibliography, 11063  
 \$600,000 environmental grant announcement to Corporation for Public Broadcasting (remarks), 11201  
 space environment, lean detector for use in, 11676  
 student involvement, so you want to get involved, 11452  
 theology of the earth (lecture), 11854
- Environment—Continued  
 water in urban environment (series), 11389  
*see also* Life support systems.
- Environment and Technology Joint Committee, establish, report, 10950
- Environmental Financing Authority, establish (statement), 11924
- Environmental Health Service:  
 appropriations, 1971, hearings, 11021  
 public advisory committees, authority, structure, functions, members, 11263
- Environmental Quality Council:  
 appropriations, 1971, hearings, 11105  
 Chairman, nomination of Russell E. Train, hearings, 11129  
 members, nominations of Robert Cahn and Gordon James Fraser MacDonald, hearing, 11129
- Environmental Science Services Administration:  
 technical memorandums, 11267-271  
 technical reports, 11272-276
- Environmental Technical Applications Center, technical notes, 10723
- Eppley, David B., OAA recipients in 1965, health conditions and health services, 11757
- Equations:  
 for study of roll-out clamshell ejection concept for spinning rocket vehicles, 11658  
 hybrid phase-lock loop, analysis, 11626  
 new eddy viscosity equations in coaxial free-jet computer code, improved data agreement by using, 11673  
 separation of variables for linear partial differential equations of 2d order in 2 independent variables, theory, 11650
- Equations of motion, unsteady Navier-Stokes equations for infinite hydrodynamic step bearing, computer solution, 11630
- Equilibrium, steady state heat transfer in two dimensional porous media, analytical method for, 11693
- Equipments, *see* names of equipments.
- ERL, *see* ESSA Research Laboratories.
- Error analysis, metallization systems for integrated circuits, 11687
- Errors:  
 error control using concatenated code, 11647  
 in measuring liquid precipitation at Voyeykovo, preliminary results of study, USSR study, 11516
- ERS, *see* Economic Research Service.
- Escape systems, lunar escape systems (LESS) feasibility study, summary report, 11623
- ESSA, *see* Environmental Science Services Administration.
- ESSA (meteorological satellites), *see* Satellites.
- ESSA Research Laboratories:  
 ESSA technical memorandums ERLTM-NSSL series, 11267-268  
 ESSA technical reports—  
 ERL-ITS series, 11273-274  
 ERL-SDL series, 11275
- Esters, polyester chemical-resistant process equipment, custom contact-molded reinforced, voluntary product standard, 11743
- Estuaries, San Francisco Bay, preliminary study of effects of water circulation, 11393
- Ethanes, interaction of methane, ethane, ethylene, and acetylene with iron (001) surface and their influence on adhesion studies with LEED and auger, 11666
- Ethics, half-truths can make us slaves (address), 10869
- Ethnic heritage, *see* Tradition.
- Ethnic types, ethnic heritage studies centers act, hearings, 11032

# INDEX

- Ethylene, interaction of methane, ethane, ethylene, and acetylene with iron (001) surface and their influence on adhesion studies with LEED and auger, 11666
- Europe:
- European Community, grain, rising protection and falling imports, 11341
  - tide tables, 10853
- Euthalenessa Darboux, *see* Polychaeta.
- Exchanges (International), *see* International exchanges.
- Excise taxes:
- imported foreign-made automobiles, information, 11454
  - IRS looseleaf regulations system, 11455-456
- Exciters (voltage-regulating):
- voltage regulator-exciter for Brayton Cycle space power system, design and development, 11601
- Executive Office of the President, reorganization, hearings, 11127
- Executive offices, *see* Government offices.
- Executive Papers, Joint Committee on Disposition of, abolish, report, 11085
- Exhibitions:
- explorations, shown at National Collection of Fine Arts, Apr. 4-May 10, 1970—
    - artists, list, 11764
    - exhibition contents, 11765
  - international expositions held in United States, Federal Government recognition and participation law, 10929
  - Man and his World, Canada exposition, dedication of U.S. pavilion (remarks), 11929
- Expediting act, *see* Trusts (Industrial).
- Expeditions monitor and maintenance analyst, *see* Maintenance.
- Expenditures, *see* subjects for which expenditures are made.
- Experiments and experimentation, *see* subjects.
- Exploding wires, experiments, shock effects on frozen materials, 11252
- Explorations, exhibitions, 11764-768
- Explosions:
- crater scaling in granite for small charges, 11594
  - dynamic response of model buried field shelter, Project LN314, Operation Prairie Flat, errata, 11258
  - explosive properties, effects on free surface displacement pulses and crater dimensions, 11592
- Explosive guns, high velocity explosively driven guns, 11605
- Export-Import Bank of United States, appropriations, 1971 report, 10962
- Exports:
- current U.S. role in export trade and proposals for future improvement (address), 11460
  - export challenge of 70's (address), 11461
  - foreign trade report, 10831
- Expositions, *see* Exhibitions.
- Exposure:
- intermittent exposure to 3% CO<sub>2</sub>, effect on respiration, 11570
  - repeated, decrease in perceived distortion application for naval diver training, 11588
- Extension Service, *see* Cooperative Extension Service.
- Extradition, treaty with New Zealand, 11067
- Evaporation:
- solar—
    - disposal of brine—
      - data, 11445
      - laboratory experiments, 11446
- Everett, Wash., area wage survey, 11534
- F
- F.C.C., *see* Federal Communications Commission.
- FAA, *see* Federal Aviation Administration.
- Fabrication, *see also* names of materials, etc., fabricated.
- Fabrics, *see* Textiles.
- Factual campaign information, 11062
- Failure analysis, *see* Error analysis.
- Fair labor standards act, *see* Labor standards.
- Fallout, *see* Radioactivity.
- Falls of Ohio Interstate Park, compact, consent of Congress, report, 10957
- Families:
- AFDC study, 1969, preliminary report, 11758
    - aid to families with dependent children, financial assistance, provide basic level—
      - bill form, 11117
      - revision as resubmitted by Administration, 11118
    - characteristics of persons and families, Mar. 1970, income, poverty, etc., 10817
  - Family assistance act of 1970—
    - bill form, 11117
    - revision as resubmitted by Administration, 11118
  - food for family with young children, 10685
  - low income, toward better housing for, report of President's Task Force on Low Income Housing, 11833
    - see also* Income.
- Fans, required fan power for condensers and boilers, 11660
- Farm buildings, building plans, automatic crowding gate for dairy cows, 10692
- Farm credit, *see* Agricultural credit.
- Farm Credit Administration:
- appropriations, 1971—
    - hearings, 11104
    - report, 10983
- Farm labor:
- labor used on U.S. farms, 1964 and 1966, 10708
    - migrant and seasonal farmworker powerlessness, hearings, 11139
  - Farm workers, *see* Farm labor.
- Farmers, farm and credit, 1970 outlook, 11279
  - see also* Farmers' cooperative organizations.
- Farmers' cooperative organizations, farmer cooperatives, farm business tools, 10684
- Farmers Home Administration:
- Agriculture Dept., savings available to Government by timing advances of loan and grant funds with actual cash requirements, GAO report, 11382
  - loans for rental & co-op housing for senior citizens, etc., in rural areas, 10696
  - real estate loans, increase limitation, hearing, 11019
- Farms:
- farm and credit, 1970 outlook, 11279
  - labor used on U.S. farms, 1964 and 1966, 10708
    - population—
      - 1969, United States, 10813
      - series Census ERS, 10813
- FAS, *see* Foreign Agricultural Service.
- Fast reactors, *see* Reactors (atomic).
- Fatigue of materials, *see* Strains and stresses.
- Favorite, Felix, ocean circulation and distribution of sockeye salmon, 10890
- FBI, *see* Federal Bureau of Investigation.
- FCC, *see* Federal Communications Commission.
- FDA, *see* Food and Drug Administration.
- FDL-(series), 11877
- Fecundity, fertility of population, Jan. 1969, characteristics, 10816
- Federal agencies, *see* Government offices.
- Federal aid, *see* Grants-in-aid.

- Federal assistance programs, consolidation, hearings, 11036
- Federal Aviation Administration:  
air traffic control system for 1970's, development, problems, report, 11016  
airworthiness directives—  
large aircraft, summary, 11290  
small aircraft, summary, 11291  
handbook series, 11285-287
- Federal buildings, *see* Public buildings.
- Federal Bureau of Investigation, general information, 11292
- Federal civil defense guide, 10839-840
- Federal Communications Commission:  
appropriations, 1971, hearings, 11105  
decisions and reports—  
bound volumes, 11295-297  
cumulative index digest, v. 1-15, 2d series, 11294
- Federal consumer safety legislation, 11767
- Federal Crop Insurance Corporation, annual report, 11249
- Federal employment, *see* Civil service.
- Federal Government, *see* Government.
- Federal Highway Administration, problems resulting from deterioration of pavement on interstate highway system, GAO report, 11381
- Federal Home Loan Bank Board:  
appropriations, 1971, hearings, 11105  
statutes and regulations, manual, supplement, 11303
- Federal Home Loan Bank System:  
interest charges on homes, reduce—  
hearings, 11026  
report, 10960  
statutes and regulations, manual, supplement, 11303
- Federal Home Loan Mortgage Corporation:  
create, report, 10960  
mortgage credit increases for home financing, hearings, 11028
- Federal Housing Administration:  
FHA regulations, 11305  
home mortgage insurance—  
area trends, 11304  
State trends, 11308
- Federal item identification guides:  
anodes, 11165  
antennas, 11166  
ballasts and starters, 11167  
brackets, 11168  
clothing and textile repair shop, mobile, 11169  
couplings, 11170  
footwear, 11171  
improvement program procedures manual, 11162  
lining and shoe, friction, 11172  
strainer elements, 11173  
stuffing materials and leather, change, 11174  
surgical dressings, 11175  
surgical sutures, 11176  
taps, dies, and chasers, hand and machine, 11177  
trousers and shirts, 11178
- Federal Maritime Commission, SP series, 11309-310
- Federal National Mortgage Association:  
purchase authority to include secondary market for conventional mortgages—  
hearings, 11026  
report, 10960
- Federal oceanic and atmospheric organization, hearings, 11115
- Federal Power Commission:  
appropriations, 1971, hearings, 11105  
oversight, on report covering principal policy questions, hearings, 11114  
S series, 11312
- Federal Prison Industries, Inc., annual report, 11835
- Federal reserve banks:  
direct purchase of U.S. obligations, authorization, extend, report, 11009  
Federal reserve act, amend, report, 11089  
Federal reserve member banks, deposits, interest, Federal reserve regulations, 11327  
Federal reserve system:  
Federal reserve act, amend, hearings, 11026  
SDR's in Federal reserve operations and statistics, 11329  
Federal Reserve System Board of Governors:  
authority, rules, regarding delegation, amendment, 11328  
regulation series, 11327  
reorganization, hearings, 11026  
Federal Savings and Loan Insurance Corporation, statutes and regulations, manual, supplement, 11303  
Federal specifications, *see* Government supplies.
- Federal Supplementary Medical Insurance Trust Fund, Board of Trustees, *see* Board of Trustees of Federal Supplementary Medical Insurance Trust Fund.
- Federal Trade Commission:  
appropriations, 1971, hearings, 11105  
responsiveness to public needs, procedures, hearings, 11132
- Federal Water Quality Administration, appropriations, 1971, hearings, 11022
- Fees, higher education, basic student charges, tuition and fees, for board and room, 11230
- Fellman, David, foreign trade regulations of Canada, 10877
- Fellowships, Education professions development act, 1961-72, programs, facts, 11210
- Ferber, Benjamin I., respirator filter penetration using sodium chloride aerosol, 11588
- Ferronickel, electrochemical recovery of high-purity nickel and cobalt from crude nickel and ferronickel, 11587
- Fertility, *see* Fecundity.
- FG series, 10841-842
- FHA, *see* Federal Housing Administration.
- Fibers:  
ceramic, preparation by mechanical deformation, 11638  
textile, trade and tariff information, summaries, 11908
- FIIG, *see* Federal item identification guides.
- Filamentary crystal growth associated with hypervelocity microparticle impact craters, 11668
- Filaments, hollow filament technology, development for reverse osmosis desalination systems, 11447
- Film strips, *see* Filmstrips.
- Films (photography), *see* Motion pictures.
- Filmstrips, catalog of copyright entries, 11156
- Filters and filtration, respirator filter penetration using sodium chloride aerosol, 11588
- Finance:  
agricultural finance review, 11195  
Alaska remote housing handbook, 11432  
government finances, GF series, 10829  
low-rent housing—  
financial management handbook, HUD, 11430  
financing handbook, supp., 11431  
Turnkey handbook, HUD, rev. pages, 11420, 11422  
State government finances, 10829  
time for reform (address), 11330  
United States Government central accounting system, regulations, 11919
- Finance Committee, Senate:  
committee prints, 11117-118  
hearings, 11119-121  
reports, 11070, 11097-99
- Financial assistance, *see* Grants-in-aid.

# INDEX

- Finland, economic trends and their implications for United States, 11480
- Fir, spruce-fir forest in New Mexico with fire stimulated aspen sprouting, 11349
- Fire control, *see* Forest fires.
- Fire insurance, making your property eligible for standard fire and extended insurance coverage, 11433
- Firearms, importation of arms, internal revenue regulations, 11458
- Fires, *see also* Forest fires.
- First aid, for soldiers, field manual, 10734
- Fischer, Joseph:  
Federal rules of appellate procedure, with forms, 11052  
rules of civil procedure for U.S. District Courts, with forms, as amended, 11053
- Fischer, Richard L., effects of explosive properties on free-surface displacement pulses and crater dimensions, 11592
- Fish and fisheries:  
Anadromous fish conservation act of 1965, amend law, 10910  
anadromous fish in Great Lakes, conserve, develop, etc., law, 10910  
antimycin A to control fish, resume on field applications, 11878  
Central and western Pacific tuna fishery development act, report, 11077  
commercial fisheries review, separates, 10889-892  
current fishery statistics, CFS series, 10882-887  
fish inventory data in Wheeler Reservoir, 11912  
fishery oceanography, 10890  
fishery products—  
irradiated-pasteurized maximum shelf life study, radiation chemistry, annual report, 10767  
wholesale dealers, list—  
Minnesota, 10893  
Missouri, 10895  
Ohio, 10894  
Georgia landings, 10882  
Hawaii fisheries, annual summary, 10885  
investigations in fish control (series), 11878  
Maine landings, 10886  
Rhode Island landings, annual summary, 10887  
special scientific reports, fisheries series, 10896-897  
Texas landings, 10883  
Washington State landings, 10884  
water resource projects, cost sharing grants, hearing, 11018  
*see also* Diseases of fish—names or classes of fish, e.g. Clams—Salmon.
- Fish disease leaflet FDL—(series), 11877
- Fisheries, *see* Fish and fisheries.
- Fishery products, *see* Fish and fisheries.
- Fishing, tuna in central and western Pacific, development, report, 11077
- Flags, United States, presentation to parents of deceased veterans, require, report, 10971
- Flames, laminar gas jet diffusion flames, effects of gravity on intensity, 11690
- Flammable fabrics, *see* Textiles.
- Flaps (aircraft):  
external-flow jet-flap system used for additional lift, simulator study of instrument landing approach of heavy subsonic jet transport, 11686
- Flashings, and experimental cavitation of potassium flowing adiabatically through venturi sized as boiler inlet, 11639
- Fleet Marine Force, Marine aircraft wing, manual, 11558
- Fleet Marine Force manual FMFM series, 11558-559
- Flies, new world species of Anthrax (Diptera: Bombyliidae) other than Anthrax albofasciatus group revision, 11850
- Flight:  
C-141A aircraft, flight test data, analysis, 11811  
high-altitude test of 40-foot diameter (12.2 meter) ringsail parachute at deployment Mach number 2.95, 11652  
physiology of flight, aerospace medicine, 10720  
procedures and airspace, 11287  
vehicles, stub and frame antennas for, USSR study, 11499  
VTOL flight director concept during constant-speed instrument approaches, evaluation, 11684  
*see also*, Aircraft.
- Flight instruments, *see* Aeronautical instruments.
- Flight simulators, motion drive signals for piloted flight simulators, 11617
- Flint, Mich., school and home program, compensatory program in elementary education, 11218
- Floods, fourwing saltbush survival after inundation, 11355
- Florida:  
census of business, retail trade, merchandise line sales, 10785  
southeast, scombroid fishes, size, seasonal abundance and length-weight relation, 10896  
Florida State University, elementary teacher education, feasibility of model program, 11224
- Flour, food grain statistics, supplement, 11706
- Flow:  
coupled viscous-radiating flow with massive blowing, stagnation point, 11610  
external-flow jet-flap system used for additional lift, simulator study of instrument landing approach of heavy subsonic jet transport, 11686  
field, large-angle cones with short spikes at Mach number of 9.6, investigation, 11643  
hypersonic, low-density, shock wave shapes and surface pressures on hemisphere and cone cylinders in, including ablation, 11633  
multiple jet liquid injection into hypersonic flow, experimental investigation, 11685  
patterns in mercury boiler, X-ray observations, 11631  
turbulent mixing in initial region of heterogeneous axisymmetric coaxial confined jets, 11620  
two-phase in turbines and reaction nozzles, 11706
- Flowmeters, acoustic, used in measuring directional velocity in water waves, 11249
- Fluids, nonlinear fluid oscillations in partially filled axisymmetric container of general shape, 11657
- Fluoridation, better water is in the works, 11408
- Fluorspar, acid grade, disposal from national and supplemental stockpile, report, 11006
- Flutter (aircraft):  
helicopter rotors in forward flight, method for determining characteristic functions associated with aeroelastic instabilities, 11615  
supersonic flutter of thermally stressed flat plate with edge stiffeners, 11614
- Fog, ice fog, low temperature air pollution, 11250
- Fokker-Planck equations, *see* Equations.
- Foliage, *see* Leaves.
- Folklife Foundation, American, *see* American Folklife Foundation.
- Food:  
daily guide, some choices for thrifty families (poster), 11339



- Food:  
 drug, and cosmetic act, amend, hearings, 11141  
 food grain statistics, supplement, 10706  
 for family with young children, 10685  
 inspection role of Federal organizations, need to reassess, Agriculture Dept., Defense Dept., Health, Education, and Welfare Dept., and Interior Dept., GAO report, 11377  
 products, rate of enterotoxin production by staphylococci in USSR study, 11509  
 service programs for children, appropriation authorizations, law, 10909  
*see also* names of foods.
- Food and Drug Administration:  
 appropriations, 1971, hearings, 11021  
 FDA current drug information, 11337  
 FDA publications, 11338
- Food and Nutrition Service, FNS series, 11339
- Food for fish, food habits of 5 centrachids during filling of Beaver Reservoir, 11891
- Food stamps, food stamp program, guide for retailers and wholesalers, 10695
- Footwear, *see* Boots and shoes.
- Forage plants:  
 storage not affecting crude protein content of forage samples, 11350  
 winterfat seedlings, emergence and survival from 4 planting depths, 11352
- Force and energy:  
 energy and future (remarks), 10773  
 rotational energy levels and rotational line intensities in diatomic molecules, calculation, 11731
- Ford's Theatre, designate as Ford's Theatre National Historic Site, report, 11091
- Ford's Theatre National Historical Site, establish, report, 11091
- Forecasts, *see* Weather forecasts.
- Foreign affairs, *see* International relations.
- Foreign Affairs Committee, House, hearings, 11033
- Foreign Affairs Research Documentation Center, special papers available, 11897
- Foreign Agricultural Service, miscellaneous, FAS-M series, 11340-342
- Foreign agricultural trade, *see* Agricultural products.
- Foreign aid, appropriations, 1971, report, 10962
- Foreign arbitral awards, 10991
- Foreign countries:  
 demographic reports for foreign countries (series), 10826  
 foreign economic trends and their implications for United States, ET series, 11462-481  
 passenger travel to and from U.S., 11436  
 Foreign policy, *see* International relations.  
 Foreign relations, *see* International relations.
- Foreign Relations Committee, Senate:  
 hearings, 11122-125  
 reports, 11076, 11096
- Foreign Service, career ministers, lower mandatory retirement age, report, 11096
- Foreign Service Institute:  
 basic language courses—  
 Luganda language, 11900  
 Thai, 11902  
 Turkish, 11904
- Foreign trade, *see* Commerce—*also* names of countries.
- Foreign-trade zones:  
 Machlasport, Maine, subzone, establish, hearings, 11110  
 Portland, Maine, establish, hearings, 11110
- Forest fires:  
 fire stimulated aspen sprouting in spruce-fir forest in New Mexico, 11349  
 foliar moisture content of chaparral in Arizona, accounting for variation, 11348  
 1956-65 occurrence in South, 11357  
 protection of State and privately-owned land within national forest areas, 11370
- Forest planting:  
 artificial reforestation practices for Southwest, 10682  
 Engelmann spruce planted seedlings survival affected by shading and other factors, in central Rocky Mountains, 11353  
 forest and windbarrier planting and seeding in U.S., 1969 report, 11346
- Forest Service:  
 publications by subject, list, 11344  
 research notes, 11347-361  
 research papers, 11362-366
- Foresters, got a forestry problem, extension foresters can help, 10700
- Forestry, *see* Forests and forestry.
- Forests and forestry:  
 Arkansas forest industries, 11368  
 got a forestry problem, extension foresters can help, 10700  
 Mississippi, growth components, 11360  
 research notes, 11347-361  
 research papers, 11362-366  
 resource bulletins, 11367-368  
*see also* Chaparral—Forest fires—Forest planting.
- Forms, blanks, etc., index of AMC blank forms, 10731  
*see also* names of departments, etc., issuing or using forms—*also* subjects.
- Fort Belknap project, Brown unit, transfer to landowners within project, law, 10912
- Fort Peck Reservation, Sioux Tribe, judgment funds, disposition, report, 11087
- Fossils, Fossil basin, southwestern Wyoming, uppermost Cretaceous and Tertiary stratigraphy, 11397  
*see also* Paleozoic era.
- Fourwing saltbush, *see* Saltbush.
- FPC, *see* Federal Power Commission.
- Fraas, Foster, factors related to mineral separation in vacuum, 11589
- Franchises (business), impact of franchising on small business, hearings, 11149
- Franklin, A. D., ARPA-NBS program of research on high temperature materials and laser materials, 11737
- Free enterprise, *see* Laissez-faire.
- Freedom, *see* Liberty.
- Freight:  
 cost of transporting by class 1 and 2 motor common carriers—  
 Central region, 11482  
 Eastern-central territory, 11483  
*see also* Shipments.
- French Guiana, economic trends and their implications for United States, 11473
- Fresh fruit, *see* Fruit.
- Fresno, Calif., preschool program in compensatory education, 11238
- Frogs, Colombia, types, description, etc., 11785
- Frozen ground, shock effects on frozen materials, exploding wire experiments, 11252
- Fruit:  
 fresh—  
 prices, 1969, Chicago and New York City, 10707  
 shipments by States, etc., 11151-152
- Fuel, generalized parameter fuel control for jet engines, computer and engine performance study, 11689
- Fuel oil, consol synthetic fuel process, 1970 final report, 10850
- Functional analysis, linear time optimal control problem from a calculus of variations point of view, 11619
- Functions (mathematical), *see* Mathematics.
- Funds, Land and water conservation fund act of 1965, amend, hearings, 11039  
*see also* Defense support funds—Money—*also* names of departments, etc., for which funds are used.
- Fungicides, act, amend, hearing, 11017

# INDEX

Furniture, wood household furniture except upholstered, industry wage survey, 11531  
Fusion, controlled literature search, 10766

## G

- Gahan, J. W., primary loop electromagnetic pump design, 11612  
Gamma rays, single crystal high resistivity cadmium telluride for use as gamma ray spectrometers, research and development, 10763  
Gansner, David A., opportunities for pulpwood growing investment in southeastern Ohio, 11362  
GAO, *see* General Accounting Office.  
Gardening, *see* Gardens.  
Gardens, home and garden bulletins, 10685-686  
Gas:  
  laminar gas jet diffusion flames, effect of gravity on intensity, 11690  
  MHD system with dual pressure melt gasification and CO<sub>2</sub> recycle, 10852  
  slagging fixed-base gasification of North Dakota lignite at pressures to 400 psig, 11593  
Gasification, *see* Gas.  
Gasoline, consol synthetic fuel process, 1970 final report, 10850  
Gates, automatic crowding gate for dairy cows, 10692  
Gathman, Stuart G., atmospheric potential-gradient measurements at sea, 11820  
Gaussian quadrature formulae, *see* Quadrature approximations.  
Gear cutting and finishing machines, industrial plant equipment handbook, 11159  
Gelderman, Frederick W., soil survey, Safford area, Ariz., 11871  
General Accounting Office:  
  feasibility study of uniform cost-accounting standards applied to negotiated defense contracts, report, 11027  
  Its eldership role, (address), 10863  
General agreement on tariffs and trade, first certification of changes in certain schedules, 11903  
General Service Administration:  
  Administrator, in conjunction with National Archives, disposal of Government records, annual report to Congress proposal, report, 11085  
  appropriations, 1971, hearings, 11105  
  counseling guide, 11384  
  General Services Administration and minority businessman, partners in progress, 11385  
Generation gap, *see* Conflict of generations.  
Generators, *see* names or types of generators.  
Genocide, convention on prevention and punishment adopted by United Nations, ratification, consent of Senate, hearings, 11123  
Geochemistry, geochemical investigations for gold, antimony, and silver at Stibnite, Idaho, 11596  
Geography, census geography series CG, data access descriptions, 10825  
Geological Survey:  
  bulletins, 11386-388  
  circulars, 11389-393  
  professional papers, 11394-399  
  reports and maps, released only in open files, 11390  
  water supply papers, 11401-2  
Geology:  
  contributions to economic geology (series), 11386, 11388  
  geologic environmental map of greater Los Angeles area, Calif., perlint to nuclear facility siting and design, preliminary, 10768  
  geologic investigations in Slick Rock district, San Miguel and Dolores Counties, Colo., (series), 11395  
Geology—Continued  
  shorter contributions to general geology (series), 11398  
  *see also* Paleozoic area—Stratigraphy.  
Geometric properties of modified whirling-membrane solar-energy concentrator, 11683  
Georgia:  
  elementary teacher education, feasibility of model program—  
    basic report, 11223  
    job descriptions, 11223  
  landings, and fish and shellfish, 10882  
Germination, field germination of nuttall oak acorns, 11361  
Gertler, Diane B.:  
  directory, public elementary and secondary day schools, 1968-69—  
    North Atlantic region, 11204  
    West and Southwest region, 11205  
GF series, 10829  
Ghia, Kirti N., turbulent mixing in initial region of heterogeneous axisymmetric coaxial confined jets, 11620  
Gibson, A. E.:  
  remarks—  
    June 24, 1970, 11560  
    June 25, 1970, 11561  
    July 15, 1970, 11563  
Gilbert, Carl J., address, June 22, 1970, 11876  
Gilson, A. E., remarks, June 27, 1970, 11562  
Gizzard, dimensions used to identify ingested gizzard shad and threadfin shad, 11891  
Gizzard shad, ingested identification by gizzard dimensions, 11891  
Glen Canyon National Recreation area:  
  establish—  
    hearing, 11128  
    report, 11092  
Go! developmental reading (C), 11158  
Goals and means in conquest of space, 11700  
Goddard Space Flight Center, test philosophy and resultant record, 11659  
Gold:  
  geochemical investigations for, at Stibnite, Idaho, 11596  
  secondary, in United States, 11574  
Gold star lapel buttons, *see* Lapel buttons.  
Goldstein, Marvin E., theory of separation of variables for linear partial differential equations of 2d order in 2 independent variables, 11650  
Gomez, Manuel, prediction of coke strength and carbonization product, yields from exploration data, 11586  
Goome, F. R., good grain statistics, wheat, rye, rice flour, byproducts, supplement, 10706  
Government:  
  alternative rice programs, economic evaluation, 11193  
  census publications, price list, 11836  
  Federal economic analysis and efficiency hearings, 10936  
  government finances, GF series, 10829  
  State and local, national priority (remarks), 11923  
  State government—  
    agencies, fy 1967 and 1968 research and development in, science resources studies highlights, 11798  
    finances, 10829  
Government contracts:  
  Federal buying directory, 11384  
  negotiated defense contracts, feasibility of applying uniform cost accounting standards, GAO report, 11027  
  preproduction evaluation (PPE) contracts, procurement, Army Materiel Command pamphlet, 10732  
  procurement contracts and worker surpluses, Defense manpower policy no. 4, questions and answers, 11913

Government contracts—Continued  
 "should cost" concepts, feasibility of using in government procurement and auditing, GAO report, 11372

Government offices :  
 executive branch :  
     position classification systems, improve, hearing, 11054  
     reorganization hearing, 11127

Federal agencies, role in crime and delinquency field, compilation of Federal support programs, 11778

independent offices, appropriations, 1971, hearings, 11105

legislative reorganization act of 1970, improve legislative branch, report, 11013

manpower, improved management, report, 10992

records and papers, disposal, amend U.S. Code, report, 11085

reorganization, see in main alphabet Government reorganization plans.

union recognition in Federal Government, statistical report and listings by agency, etc., 10849

vocational education statistics available in Federal agencies, inventory, 11234

Government officials and employees :  
 public employee retirement system, benefits and beneficiaries, 11859

union recognition in Federal Government, statistical report and listings by agency of formal and exclusive recognitions and agreements under executive order 10985, as of Nov. 1969, 10849

Government Operations Committee, House :  
 hearings, 11034, 11035-36  
 reports, 10949, 11016

Government Operations Committee, Senate :  
 committee print, 11126  
 hearings, 11127  
 report, 11078

Government Printing Office :  
 layouts for flatbed, rotary, and web press imposition, 11403

police, special, designate, report, 10953

Public Printer to grant time off as compensation for overtime worked by certain employees, authorize, report, 10954

Government Procurement Commission, appropriations, 1971, hearings, 11105

Government publications, price lists, Public Documents Division, PL series, 11836  
 see also names of departments, etc., issuing publications—also subjects.

Government reorganization plans :  
 Executive Office of the President, hearing, 11127

legislative reorganization act of 1970, improve legislative branch, 11013

Government supplies :  
 Federal buying directory, 11384  
 Federal item identification guides improvement program procedures manual, 11162

Grade crossings, see Railroad crossings.

Gradients (mathematics) :  
 atmospheric potential-gradient measurements at sea, 11820

Graduate schools, see Colleges and universities.

Graduate students, see Students.

Graduate work, see Colleges and universities.

Graduates, graduate teaching assistants in American universities, 11220

Grain, in European Community, rising protection and falling imports, 11541  
 see also names of grains.

Grand Teton National Park, general information, 11790

Granite, crater sealing, for small charges, 11594

Grant, Warren R., alternative government programs, economic evaluation, 11193

Grantham, William D., simulator study of instrument landing approach of heavy subsonic jet transport, with external-flow jet-flap system used for additional lift, 11686

Grants-in-aid :  
 allied health professions advanced training programs, hearing, 11044

comprehensive community mental health center, construction and staffing grants, 11177

conservation of anadromous fish in Great Lakes, law, 10910

construction of facilities for persons affected by mental retardation and other developmental disabilities, hearings, 11046

construction of solid waste disposal and resource recovery facilities, hearings, 11145

Federal agencies role in crime and delinquency field, Federal support programs, compilation, 11778

grant consolidation act of 1969, hearings, 11036

health services, research and administration new careers, fellowships, training grants, etc., 11753

highway program, status report, hearing, 11144

hospitals and health facilities, construction and modernization program, extend report, 10989

HUD grants and loans to meet insurability requirements in FAIR plan areas, 11433

law enforcement assistance amendments, proposals, hearings, 11050

nursing research grants supported by Nursing Division, list, 11411

Omnibus crime control and safe streets act of 1968, amend, hearings, 11050

Public Health Service research grants index, 11782

research in nursing, 1955-68, research grants, 11413

resource and conservation development projects, cost sharing, hearings, 11018

sea-grant college authorization, report, 10994, 11079

\$600,000 environmental grant announcement to Corporation for Public Broadcasting, (remarks), 11201

solid waste disposal facilities construction report, 10981

States establish coastal zone management programs, hearings, 11115

student Federal and State aid programs, 11064

timing advances of loan and grant funds with actual cash requirement, savings available to Government, Farmers Home Administration, Agriculture Dept., GAO report, 11382  
 see also subjects.

Grapefruit :  
 fresh, sold in selected markets, prices and spreads, 10691

Marsh, thermal properties and heat transfer characteristics, 10709

Grapes, fresh, sold in selected markets, prices and spreads, 10691

Graphite, natural Ceylon amorphous lump, disposal from national stockpile and supplemental stockpile, report, 11001

Gravitation, eccentric gravitation field, effects on motion of artificial satellite, 11697

Gravity, effect on laminar gas jet diffusion flames, 11690

Gray, Robert A. jr., Charpy-V notch ductility characteristics of neutron-irradiated A537-B and A350-LF2 steel weldments, 11819

Great Lakes :  
 anadromous fish conserve, develop, etc., law, 10910

maritime industry to receive assistance (remarks), 11563

# INDEX

Great Lakes—Continued  
 waterway system, transportation of iron ore, limestone, and bituminous coal, 11575

Greece :  
 economic trends and their implications for United States, 11470  
 selling in Greece, 10872

Green River formation, lithology and oil shale correlations in Piceance Creek basin, Colo., 11583

Grid systems, *see* Maps and charts.

Grimes, P. J., advancements in structural dynamic technology, resulting from Saturn V programs, 11608-9

Gronborg, Gordon H., slagging fixed-bed gasification of North Dakota lignite at pressures to 400 psig, 11593

Ground water, *see* Water.

Ground waves, *see* Radio waves.

Grouage, Thomas M., surf clam fishery, 10889

Growth, growth components of Mississippi forests, 11360

Guadeloupe, economic trends and their implications for United States, 11473

Guentert, Donald C., study of Brayton-cycle power generation system using SNAP-8 nuclear reactor as energy source, 11641

Guidance systems :  
 guidance and control payload support requirements for planetary cartographic probe, 11680  
 two guidance schemes for manned lunar landing, evaluation, 11663

Guide books, *see* Pocket guides.

Gulf Stream, western north Atlantic, correlation of movements, 11272

Guns, *see* Explosive guns.

Gusts, *see* Winds.

Gutbrod, Edward, annual sales, year-end inventories, etc., of retail stores, by kind of business, 10812

Gutierrez, Orlando A., experimental cavitation and flashing of potassium flowing adiabatically through venturi sized as boiler inlet, 11639

Guy, Harold P., field methods for measurement of fluvial sediment, 11400

## H

Habitat, range and wildlife habitat evaluation, research symposium, 10693

Haines, Alaska, reconnaissance of water resources, 11391

Haiti, internal affairs, records of Dept. of State, pamphlet to accompany microcopy, 11724

Half truths can make us slaves (address), 10869

Hampton, Va., area wage survey, 11541

Hamrick, Joseph G. :  
 addresses, etc.—  
 June 24, 1970, 11187, 11189  
 June 26, 1970, 11186

Hanafy, Lawrence M., linear time optimal control problem from a calculus of variations point of view, 11619

Handbooks, *see* names of departments, etc., issuing handbooks, *also* subjects.

Handicapped :  
 independence through assimilation in society (remarks), 11831  
 travel barriers, 11918

Handling qualities, *see* Controllability.

Hansen, Donald V., correlation of movements in western north Atlantic, 11272

Hardwoods :  
 southern hardwood stands, tree-character relations, 11358  
 upland, northern Mississippi, hydrologic effects of prescribed burning and deadening, 11366

Hardy, Albert V., climate of North Carolina, 11264

Harry S. Truman Dam and Reservoir, name, law, 10927

Hart, Annie L., child care services provided by hospitals, 11940.

Hartford, Conn. :  
 air quality control region, Federal facilities, air pollution report, 11712  
 elementary program in compensatory education—  
 intensive reading instructional teams, 11215  
 Project Concern, 11217

Hatakeyama, Lawrence F., equations for study of roll-out clamshell ejection concept for spinning rocket vehicles, 11658

Hawaii :  
 census of business, 1967, retail trade, merchandise line sales, 10786  
 fisheries, annual summary, 10885

Hazardous substances :  
 chemical data guide for bulk shipment by water, 10854  
 Federal consumer safety legislation covering scope and adequacy, 11767  
 Federal hazardous substances act, poison prevention law, general information, 11338  
 transportation by railroad of hazardous materials, prescribe rules, regulations, etc., report, 10996

Head Start Project, *see* Project Head Start.

Health :  
 administration of negotiated pension, health, and insurance plans, major collective bargaining agreements, 11529  
 allied health professions training amendments of 1970, hearing, 11044  
 current estimates from health interview survey, 1968, United States, 11755  
 directory, 11416  
 facilities, construction and modernization, grants program, extend. report, 10989  
 health facilities series, 11406-407  
 home health benefits under medicare, 11867  
 OAA recipients in 1965, health conditions and health services, 11757  
 occupational safety and health act—  
 hearings, 11140  
 report, 11014  
 public. State salary ranges of positions, 11405  
 services, new careers, National Center for Health Services Research and Development, 11753  
 statistics, data from National health survey, 11755  
*see also* Medical care.

Health centers :  
 building research, selected studies applicable to design and construction of health facilities, 11407  
 health insurance for aged, participating health facilities, 11857  
 narcotic addiction treatment agencies, in U.S., directory, 11776

Health, Education, and Welfare Department :  
 appropriations, 1971 hearings, 11021  
 comprehensive preschool education programs, authorization, hearings, 11031  
 food inspection role, need to reassess, GAO report, 11377  
 mental retardation publications, list, 11404  
 Secretary, nomination of Elliot L. Richardson, hearings, 11119

Health insurance :  
 aged person, participating health facilities, 11857  
 assignment rates for claims submitted under supplementary medical insurance program, 11858  
 how to claim benefits under medical insurance, 11865  
 medicare—  
 home health benefits, 11867  
 important facts about medical insurance benefits, 11862

Health insurance—Continued  
 outpatient hospital benefits, 11866  
 statistics, HI series, 11857-858  
*see also* Medical care.

Health Professions Education and Manpower Training Bureau, Division of Physician Manpower, continuing education program, 11410

Health service workers, physician support personnel, selected training programs, 11414

Health Services and Mental Health Administration, appropriations, 1971, hearings, 11021

Heart, cardiac pacemaker, radioisotope powered, program, 10761

Heat, thermal-mechanical treatments on tensile strength of 19-9DL and 12R72HV austenitic stainless steels, effects, 10757

Heat transfer:  
 large angle cones with short spikes flow field at Mach number of 0.6 investigation, 11643  
 steady state, in two-dimensional porous media, analytical method, 11693

Heidelberg, Laurence J., effect of Reynolds number on overall performance of 6-inch radial bladed centrifugal compressor, 11645

Heidmann, L. J., preemergent herbicides for preparing ponderosa pine planting sites in Southwest, 11354

Helicopters, rotors in forward flight, method for determining characteristic functions associated with aeroelastic instabilities, 11615

Helium:  
 bibliography, 11577  
 helium-nitrogen viscosity system from 133° to 740° K for pressures between 1 and 24° atmospheres, 11590

Hell, John H., biological characteristics of intertidal and fresh-water spawning pink salmon at Olsen Creek, Prince William Sound, Alaska, 10897

Herbicides, preemergent, for preparing ponderosa pine planting sites in Southwest, 11354

Heritage, *see* Tradition.

Herring, night lighting, old technique may have new possibilities, 10892

Heyson, Harry H., theoretical study of conditions limiting V/STOL testing in wind tunnels with solid floor, 11664

Hilda, Thomas S., surface tuna schools located & fished in equatorial eastern Pacific, 10891

High school students, *see* Students.

High schools:  
 child care and guidance, suggested post high school curriculum, 11202  
 community development program, build our American communities, 11280  
 elementary and secondary schools, science and mathematics books, 11241  
 secondary schools, program for students to study cultural heritage of major ethnic groups in nation, establish, hearings, 11032  
*see also* Junior high schools.

High temperature materials, *see* Refractory materials.

Higher education, *see* Colleges and universities.

Highway railroad crossings, *see* Railroad crossings.

Highway safety, *see* Safety of life.

Highways, *see* Roads and highways.

Hill, Richard M., profit by your wholesalers' services, 11848

Hill-Burton program:  
 health facilities series, 11406-407  
 State plan data, health facilities, national summary, Jan. 1, 1968, 11406

Hill method, *see* Perturbation theory.

Hindi language, active introduction, 11898

Hinds, Jim S., elemental sulfur in Eddy County, N. Mex., 11392

Hinson, William F., experimental investigation of multiple-jet liquid injection into hypersonic flow, 11685

Hiring practices, *see* Employment.

History, *see* subjects.

History and Technology Museum, contributions from, title page and contents, 11784

Hoffman, E. E., Cb-12r Rankine system corrosion test loop, 11602

Hogs, *see* Swine.

Holding companies, *see* Banks and banking.

Holla Bend National Wildlife refuge, birds, list, 11886

Holleran, Jane C., world survey of civil aviation, Canada, 10783

Home economics, home and garden bulletins, 10685-686

Home Owners Mortgage Loan Corporation, create, hearings, 11026

Homemaking, *see* Home economics.

Homes:  
 FHA insured mortgages—  
   area trends, 11304  
   State trends, 11308  
 FHA regulations, amendments, mortgage insurance, 11305-306  
 home health benefits under medicare, 11867  
 school and home program, Flint, Mich., compensatory program in elementary education, 11218  
*see also* Housing.

Hooker, Michael, analysis of duration of prior-hospital stays for extended care facility cases, 11856

Hopi Indians, economic advancement and general welfare, promote, law, 10924

Hopi Industrial Park, development and operation authorize Hopi Tribal Council powers to manage, law, 10924

Hopi Tribe, *see* Hopi Indians.

Hopkins, Edwards J., charts for estimating boundary layer transition on flats plates, 11678

Horse shows, management guidelines, 11302

Horticulture, horticultural grade perlite, voluntary product standard, 11749

Hospitalization, *see* Veterans hospitals.

Hospitals:  
 child care services provided, 11940  
 extended care facility cases, analysis of duration of hospital prior stays, 11856  
 health facilities, Hill-Burton program, State plan data, national summary Jan. 1, 1968, 11406  
 hospital and health facilities construction and modernization grants program, extend, report, 10989  
 loan cancellation benefit for registered nurses, list of hospitals, handbook, 11412  
 outpatient hospital benefits, 11866  
 participating under health insurance for aged, 11857  
*see also* Veterans hospitals.

Hougen, Jon T., calculation of rotational energy levels and rotational line intensities in diatomic molecules, 11731

Hours of labor, Government Printing Office, Public Printer to grant time off as compensation for certain employees, authorize, report, 10954

House Administration Committee, House:  
 hearing, 11447  
 reports, 10953-954

House documents, 10940-947

House of Representatives, reports, public bills, 10948-11016

House reports, public bills, 10948-11016

House Where Lincoln Died, designate as Ford's Theatre National Historical Site, report, 11091

# INDEX

- Households :  
 family and household composition, Mar. 1970, selected characteristics, 10817  
 wood household furniture, except upholstered, industry wage survey, 11531
- Houser, Alfred, age, growth, sex composition and maturity of white bass in Bull Shoals Reservoir, 11891
- Houses, recent purchases, and expectations to buy during months ahead, survey data, 10823
- Housing :  
 Alaska remote housing handbook, 11432  
 basic laws and authorities, 11025  
 bibliography for overseas missions of International Development Agency, 11417  
 census, 1970—  
   preliminary reports, publications order form, 10830  
   printed reports, summary tapes, 10825  
   census publications, price list, 11836  
 code administration and enforcement, 11259  
 completions, construction reports, 10799  
 Emergency community facility act of 1970, hearings, 11027  
 emergency home financing—  
   hearings, 11026  
   report, 10960  
 Housing and urban development act of 1965, title 7, amend hearings, 11028  
 low-rent—  
   construction handbook, 11423  
   financial management handbook, HUD, 11430  
   financing handbook, supp., 11431  
   income limits, rents, and occupancy handbooks, 11428-429  
   preconstruction handbook, 11421  
   Turnkey handbook, HUD, rev. pages, 11420, 11422  
 military, family housing program appropriations, 1971—  
   hearings, 11023  
   reports, 10951, 10985  
 National housing act, amend, hearings, 11026  
 Operation Breakthrough, questions and answers, 11435  
 rental and co-op, in rural areas; loans, 10696  
 toward better housing for low income families, report of President's Task Force on Low Income Housing, 11833
- Housing and Urban Development Department :  
 appropriations, 1971, hearings, 11105  
 HUD Clearinghouse Service HCS series, 11418  
 HUD guides, 11419  
 HUD handbooks, 11420-432
- Housing insurance, *see* Mortgage insurance.
- How tree grows, 11343
- HUD, *see* Housing and Urban Development Department.
- Hudson, Horace R., on relationship between horizontal moisture convergence and convective cloud formation, 11267
- Hudson River and Valley :  
 interstate compact relating to resources, amend act, law, 10906  
 license for activity which may affect resources of riverway, extend time for review of applications, law, 10906
- Hufford, Gary L., distribution of nutrients in Weddell Sea, Feb.-Mar. 1968 and Feb.-Mar. 1969, report, 10857
- Human anatomy, *see* Anatomy.
- Human engineering, human operator state, signals, 11705
- Human race, *see* Man.
- Human relations, effective human relations commissions, guidelines, organization, membership, budget, staff, goals, programs, 10898
- Humes Arthur G., cyclopoid copepods of genus *Pseudanthesius* associated with erinoids in Madagascar, 11852
- Humidity, *see* Moisture.
- Hungary, yearbook of office mechanization and computer technology, 11480
- Hurt, George J., jr., evaluation of two guidance schemes for manned lunar landing, 11663
- Huss, Ralph E. :  
 despatches from U.S. consuls in Tampico, Mexico, pamphlet accompanying microcopy, 11720  
 records of Department of State relating to—  
   internal affairs of India and Burma, 1910-29, pamphlet accompany microcopy, 11721  
   political relations between China and other States, 1910-29, pamphlet accompanying microcopy, 11722
- Hutchison, John E., world demand prospects for wheat in 1980, with emphasis on trade by less developed countries, 11197
- Hydraulics :  
 applications of hydraulics, 11400  
 model investigation—  
   spillways and outlet works, Rowlesburg Dam, Cheat River, W. Va., 11257  
   Vermillion Harbor, Ohio, wave action and breakwater location, 11250
- Hydrocarbons :  
 air quality: criteria, summary and conclusions, 11714  
 seeps in thermal areas, northwestern Wyoming, 11398
- Hydrocasting reverse osmosis membranes, 11443
- Hydrodynamics :  
 aspects of desalination by reverse osmosis, 11444  
 unsteady Navier-Stokes equations for infinite hydrodynamic step bearing, computer solution, 11630
- Hydroecology, *see* Ecology.
- Hydrology, hydrologic effects of prescribed burning and leadening upland hardwoods in northern Mississippi, 11366  
*see also* Water.
- Hydrology Office, ESSA technical memorandum, WBTM HYDRO series, 11269
- Hypercapnia chronic, displacement of oxygen dissociation curves and red cell cation exchange in, 11567
- Hypersonic aircraft, *see* Aircraft.
- Hypersonic flow, *see* Flow.
- Hypervelocity impact, *see* Impact.

## I

- I.R.S., *see* Internal Revenue Service.
- IAGLO, *see* International Association of Governmental Labor Officials.
- Ice :  
 eastern Arctic, seasonal outlook, 11810  
 ice fog, low temperature air pollution, 11250
- Idea (peritidal), 11233
- IFR, *see* Instrument flying rules.
- Illinois, electric rate book, 11313
- Immigration and emigration, Immigration and nationality act, worker certification program under the act, 11914
- Impact, hypervelocity microparticle impact craters and associated filamentary crystal growth, 11668
- Important facts about medical insurance benefits under medicare, 11862
- Imports :  
 consumption and general imports, 10824-835  
 foreign trade report, 10833  
*see also* names or classes of articles imported.
- Imposition (typographical), *see* Printing.

- In situ tests of bearing capacity of roof and floor in selected bituminous coal mines, progress report, longwall mining, 11591
- In these hands, story of Federal air traffic control system and crews, 11288
- Incinerators, guidelines, 11260
- Income:
- consumer income, average family income up 9 percent in 1969, advance data from Mar. 1970 sample survey, 10821
  - consumer income, series, 10821-822
  - low-rent housing, income limits, rents, and occupancy handbook, 11428-429
  - persons and families, Mar. 1970, selected characteristics, 10817
- Income tax:
- commuter and municipal income tax, background paper, 10676
  - information for service personnel about required State taxes, 11522
- Independence National Historical Park, acquisition of property, authorize funds, report, 10956
- Independent offices, *see* Government offices.
- Index digests, Federal Communications Commission, decisions and reports, v. 1-15, 2d series, 11294
- Indexes:
- Adjutant General's Office, general correspondence, pamphlet to accompany microcopy, 11726
  - AMC, publications and blank forms, 10721
  - brain sciences, IBRO survey of research facilities and manpower, 11781
  - code of Federal regulations, 11318
  - NASA, 1971 authorization, hearings, 11058
  - President's papers, Roosevelt, Theodore, 11555
  - President's papers series, 11555
- India:
- economic trends and their implications for United States, 11472
  - records of Dept. of State, pamphlets to accompany microcopy, internal affairs, 11721
  - selling in India, government procurement procedures, 10876
- Indian lands, *see* names of reservations.
- Indian reservations, *see* names of reservations.
- Indiana, Falls of Ohio Interstate Park compact, consent of Congress, report, 10337
- Indians, *see* names of reservations or tribes.
- Induction angular displacement sensor, rotor inductosyn tests, USSR study, 11515
- Inductosyn, *see* Induction angular displacement sensor.
- Industrial accidents, *see* Accidents.
- Industrial College of Armed Forces: National Security Seminar—background readings, 11487 information guide for conduct, 11486
- Industrial management:
- Industrial mobilization production planning manual, 11161
  - management, and scientific and technical revolution, USSR study, 11511
  - management systems need to be improved, USSR study, 11503
- Industrial parks, planning airport industrial park, 11289
- Industrial plants, *see* Plants (industrial).
- Industrial safety, *see* Safety of life.
- Industry:
- Industrial—
    - mobilization production planning manual, 11161
    - R & D spending, 1968, science, 11797
    - military-industrial complex, case for balanced viewpoint (remarks), 10772
    - new industry, how to improve your community by attracting, 11188
    - programs in 2-year colleges to up-grade employees (paper), 11239
  - Industry—Continued
    - wage survey, 11547
    - communications, 11546
    - wood household furniture, except upholstered, 11531
    - see also* names of industries.
    - Inertia wheels, *see* Reaction wheels.
    - Infants, neonatal narcotic addiction, 11565
    - Infectious diseases, *see* Contagion and contagious diseases.
    - Infinite periodic minimal surfaces without self-intersections, 11628
    - Information for Armed Forces, Office of Defense Dept., DoD pamphlets, 11437
    - Information services:
      - federally supported information analysis centers, directory, 11298
      - information systems, USSR study, 11504
      - State urban information and technical assistance services, 1st 6 months, report, 11418
    - Information storage and retrieval systems:
      - information systems, USSR study, 11504
    - Internal Revenue Service Data Center, Detroit, Mich., space requirements, hearing, 11056
    - Navy manpower and personnel management information system, improvement needed in reliability, GAO report, 11375
    - overall system design considerations, selective literature review, research and development in computer and information sciences, 11730
    - summary tapes, general information about use, by Census Bureau, 10824
  - Injection, multiple jet liquid injection into hypersonic flow, experimental investigation, 11685
  - Injuries:
    - experimental comparison of trauma in lateral (+Gy), rearward facing (+Gx) and forward facing (-Gx) body orientations when restrained by lap belt only, 10780
    - recording employee injuries, 11528
  - Innovation in measurement (address), 10870
  - Insect vectors, *see* Vectors (biological).
  - Insecticides:
    - act, amend hearing, 11017
    - control of cabbage loopers, field experiments, 10702
  - Insects, numbers infesting raisin packages, effect of oil treatment, 10679
  - Inspection (Industrial):
    - food inspection roles of Federal organizations, need to reassess, Agriculture Dept., Defense Dept., and Interior Dept., GAO report, 11377
  - Inspectors, bridge inspector's training manual, 11838
  - Installations (military):
    - Army, continental U.S., list, 10735
    - construction appropriations, 1971—hearings, 11023
    - reports, 10951, 10985
  - Institute for Telecommunication Sciences, ESSA technical report, ERL-TS series, 11273-274
  - Instruction, *see* Programmed instruction.
  - Instrument flight rules, aviation air traffic patterns, 11282
  - Instrument flying, flight procedures and airspace, 11287
  - Instrument landing, *see* Landing (aircraft).
  - Insurance, administration of negotiated pension, health, and insurance plans, major collective bargaining agreements, 11529 *see also* types of insurance.
  - Integrated circuits, *see* Circuits.
  - Integrated logistics support (ILS), support integration, 10744
  - Inter-American Development Bank, participation, U.S., increase, hearings, 11029

# INDEX

- Interest and usury:  
 housing, low-rent, interest rate on assistance loans, 11431  
 interest on deposits, Federal Reserve regulations, 11327
- Interference drag, *see* Drag (aerodynamics).
- Intergovernmental relations, Intergovernmental cooperation act of 1969, hearings, 11036
- Interior and Insular Affairs Committee, House:  
 hearings, 11038-40  
 reports, 10955-956, 10961, 10975-980
- Interior and Insular Affairs Committee, Senate:  
 hearings, 11128-131  
 reports, 11069, 11072, 11074 75, 11087, 11090-92, 11094
- Interior Department:  
 appointment papers, 1849-1907, Territory of Oregon, microcopy, pamphlet to accompany, 11728  
 environmental education, so you want to get involved, 11452  
 food inspection role, need to reassess, GAO report, 11377  
 saline water research and development progress report, 11441-451  
 telephone directory, 11453  
 water resources projects, inappropriate source of power used as basis for allocating costs, GAO report, 11376
- Interkosmos-1 satellite in orbit, USSR study, 11495
- Intermountain Forest and Range Experiment Station, publications, list, 11345
- Internal revenue:  
 code of Federal regulations, 11458  
 code of 1954—  
 amend. report, 10982  
 tax exemption, pension trust procedures and guides for qualification, 11457  
*see also* Excise taxes.
- Internal Revenue Service:  
 census establishment and IRS corporation data, link, 1963 enterprise statistics, 10827  
 IRS data center, Detroit, Mich., space requirements, hearings, 11056  
 looseleaf regulations system, excise taxes, 11455-456
- International arbitration, *see* Arbitration.
- International Association of Governmental Labor Officials, 1969 convention proceedings, 11527
- International Development Agency, overseas missions, bibliography on housing, building and planning, 11417
- International exchanges:  
 international educational and cultural exchange of persons program, 1969 report, 11899
- International negotiation, when academic door to Peking opens, memorandum, 11126
- International law, questions in relation to U.S. military actions in Cambodia, 11895
- International Monetary Fund, SDR's in Federal Reserve operations and statistics, 11329
- International relations:  
 China, Republic, U.S. security agreements and commitments abroad, hearings, 11125  
 foreign economic policy for 1970's, trade policy toward developed countries, hearings, 10938  
 foreign policy implications of satellite communications, hearings, 11033  
 international information and cultural series, 11899  
 Near East and South Asia, special papers available, Foreign Affairs Research Documentation Center, 11897
- International trade, *see* Commerce.
- Interplanetary missions, *see* Planets.
- Interstate agreements:  
 Falls of Ohio Interstate Park compact, consent of Congress, report, 10957  
 Hudson River Basin compact, amend act, law, 10906
- Interstate and Foreign Commerce Committee, House:  
 hearings, 11041-47  
 reports, 10974, 10981, 10996  
 supplemental hearings, 11048
- Interstate commerce act, *see* Carriers—Railroads
- Interstate Commerce Commission, decisions (broad reports), 11484
- Interstate effects surveillance network, 1969 data, 11716
- Interviewing, health interview survey, current estimates, 11755
- Inventories:  
 Defense Supply Agency, inventory investments, potential for reducing through improved computation of stock needs, GAO report, 11379  
 fish data in Wheeler Reservoir, 11012  
 National Archives inventory series, 11718  
 vocational education statistics available in Federal agencies, 11234
- Invertebrates, aquatic, chronic effects from methoxychlor, 11892
- Inverters, series capacitor inverter-converter for multikilowatt power conversion, 11696
- Investments:  
 Defense Supply Agency, inventory investments, potential for reducing through improved computation of stock needs, GAO report, 11379  
 petroleum industry, U.S. 1950-68, changing investment patterns, 11580
- Ionization, ground wave propagation in ionized atmosphere with arbitrary variation of conductivity with altitude, 11274
- Ionosphere, ionospheric disturbances in Antarctica, 1968 observation, 11275
- Ions:  
 red cell cation exchange and displacement of oxygen dissociation curves in chronic hypercapnia, 11567
- Iowa, rural renewal area, economic analysis, 11190
- Iran:  
 economic trends and their implications for United States, 11481  
 establishing business in, 10878
- Iraq, environmental studies, bibliography, 10723
- Iron:  
 compounds, Mossbauer effect spectrometry for analysis, 10760  
 Minnesota manganese iron ores, magnetic roasting and leaching, for upgrading, 11595  
 ore, transportation on Great Lakes waterway system, 11575
- Iron isotopes, iron (001) surface with interaction of methane, ethane, ethylene and acetylene and their influence on adhesion studied with LEFD and auger, 11666
- Iron ores, *see* Iron.
- Iroquois National Wildlife Refuge, birds, list, 11888
- Irradiation, *see* Neutrons—Radiation.
- IRS, *see* Internal Revenue Service.
- Isotopes, radioisotopes, powered cardiac pacemaker program, 10761  
*see also* names of isotopes, e.g. Cobalt isotopes.
- Isotopes Development Division, AEC, research and development projects, 1969, progress reports, 10769
- Israel, dedication and hope, key to future progress (address), 11322
- It works, 11214 11220, 11238, 11243 244
- ITOS night-day meteorological satellite, 11600
- ITS, *see* Institute for Telecommunication Sciences.



## J

- Jacobs, Howard D., magentic roasting and leaching for upgrading Minnesota manganeseiferous iron ore, 11595
- Jacquot, Louis, soil survey, Randall County, Tex., 11870
- Japan, economic trends and their implications for United States, 11479
- Japan Air Lines, Co., Ltd., accident report, 11799
- Jech, Robert W., preparation of fibered ceramics by mechanical deformation, 11638
- Jellyfish, control, authorization, extend, report, 10995
- Jerke, John M., geometric properties of modified whirling membrane solar-energy concentrator, 11683
- Jersey City, N.J., area wage survey, 11532
- Jet aircraft, *see* Aircraft.
- Jet engines, *see* Engines (aircraft).
- Jets:
- coaxial free-jet computer code, improved data agreement using new eddy viscosity equations, 11673
  - heterogeneous axisymmetric coaxial confined jets, turbulent mixing in initial region, 11620
  - laminar gas jet diffusion flames, effects of gravity on intensity, 11690
  - multiple jet liquid injection into hyper-sonic flow, experimental investigation, 11685
  - 0.16 scale six-jet V/STOL model in transition, induced interference effects on aerodynamic characteristics, 11635
- Jewish War Veterans, and civil defense, 10843
- Job analysis:
- Job evaluation policy act, hearing, 11054
  - position classification systems within executive branch, improve, hearing, 11054
- Job description, *see* Job analysis.
- Job evaluation, *see* Job analysis.
- Job performance, *see* Work.
- Jobs, *see* Occupations.
- Johler, J. Ralph, ground wave propagation in ionized atmosphere with arbitrary variation of conductivity with altitude, 11274
- John F. Kennedy Space Center:
- Cape Kennedy thunderstorms, frequency and duration, forecasting application, 11271
  - future utilization, hearings, 11059
- Johnson, Charles E.:
- feasibility of Georgia education model for teacher model, elementary—basic report, 11223
  - job descriptions, 11223
- Johnson, Donald W., compilation, State dentist manpower reports, 11409
- Johnson, Harry R., changing investment patterns of U.S. petroleum industry 1950-68, 11580
- Johnson, R. L., field germination of nuttall oak acorns, 11361
- Johnson, Sven I., surface currents as determined by drift card releases on Continental Shelf off northwestern U.S., 11891
- Joint Chiefs of Staff, Chairman, nomination of Thomas H. Moore, hearing, 11109
- Joint Committee on Environment and Technology, *see* Environment and Technology Joint Committee.
- Joint Publications Research Service, JPRS series, 11489-521
- Jones, John E., observations of ionospheric disturbances in Antarctica, 11275
- Journals (machinery), *see* Bearings (machinery).
- JPRS series, 11489-521
- Judges:
- circuit, nomination of William E. Miller, report, 11068
  - district, additional, appoint, law, 10932

- Judicial procedure, *see* Civil procedure.
- Judiciary Committee, House:
  - committee print, 11049
  - Federal rules of appellate procedure, with forms, 11052
  - hearings, 11050-51
  - reports, 10957-958, 10990-991
- Judiciary Committee, Senate:
  - hearings, 11132-134
  - report, 11068
- Junior colleges:
  - higher education, basic student charges, tuition and fees for board and room, 11230
  - programs in 2-year colleges to up-grade employees of business and industry (paper), 11239
- Junior high schools, summer institutes, New York City, secondary program in compensatory education, 11243
- Jurassic period, Morrison formation stratigraphy and structure of Ambrosia Lake district, N. Mex., 11306
- Juvenile delinquency, Federal agencies role in crime delinquency field, Federal support programs, compilation, 11778

## K

- Kahn, Gerald, statistics of local public school systems, 11245
- Kansas:
- census of business, 1967, retail trade, merchandise line sales, 10787
  - southeast, impact from ammunition production for Vietnam, 10729
- Kansas City, Kans.:
- Blue River vicinity, engineers report—departmental edition, 11248
  - document edition, 10946
- Kansas City, Mo.:
- Blue River vicinity, engineers report—departmental edition, 11248
  - document edition, 10946
- Kay, Evelyn R., inventory of vocational education statistics available in Federal agencies, 11234
- Kay, William K., keep it alive! tips on living history demonstrations, 11795
- Kaysinger Bluff Dam and Reservoir, rename as Harry S. Truman Dam and Reservoir, law, 10927
- Keep it alive! 11795
- Keim, Kathleen, foreign trade regulations of Pakistan, 10873
- Kelly, James R., evaluation of VTOL flight-director concept during constant-speed instrument approaches, 11684
- Kennedy, David M.:
- addresses, etc.—
    - June 9, 1970, 11924
    - June 16, 1970, 11921
    - June 26, 1970, 11922
- Kennedy, Harry D., chronic effects of methoxychlor on bluegills and aquatic invertebrates, 11892
- Kennedy Space Center, *see* John F. Kennedy Space Center.
- Kentucky:
- black walnut on nonforest land, 11367
  - Falls of Ohio Interstate Park compact, consent of Congress, report, 10957
- Kepes, Gyorgy, toward civic art, 11766
- Ketchum, M. D., contamination of refractory metals by oxygen, water vapor, and carbon monoxide, 11607
- Key to meteorological records documentation, 11277
- Keyes, C. G.:
- disposal of brine by solar evaporation—data, 11445
  - laboratory experiments, 11446
- Kim, C., 60 Co heat source demonstration program, phase 1, preliminary analysis and design technical report, 10770

# INDEX

- Kimball, Spencer, mass marketing of property and liability insurance, 11915
- Kingston, Gary A., availability of U.S. primary nickel resources, 11579
- Kinney, Jo Ann S., measurement of blood vessels in retinal photographs of submariners, 11571
- Kittner, Dorothy R., major collective bargaining agreements, administration of negotiated pension, health, and insurance plans, 11529
- Kittrell, F. W., practical guide to water quality studies of streams, 11334
- Klement, Alfred W., jr., natural environmental radioactivity, 10771
- Know your FBI, 11292
- Koontz, Elizabeth D., address, June 12, 1970, 11938
- Korea :  
     pocket guide, 11438  
     Republic, tobacco production and trade, 11340
- Kruszewski, S. Victoria, selected bibliography on radioactive occurrences in United States, 10762
- Kuwait, economic trends and their implications for United States, 11462
- L
- L series, 10843
- Labor :  
     procurement contracts and worker surpluses, Defense manpower policy no. 4, questions and answers, 11913  
     production and maintenance workers of bicycle tires and tubes at Indianapolis plant of Unroyal Tire Co., Tariff Commission report, 11907  
     technological advance requires reform in vocational education (address), 10867  
     worker certification program under immigration and nationality act, 11914  
     *see also* Manpower—Migrant labor—Wages.
- Labor and Public Welfare Committee, Senate :  
     hearings, 11135-141  
     report, 11079
- Labor Department, appropriations, 1971, hearings, 11021
- Labor laws, labor laws and their administration, 1969 convention proceedings of International Association of Governmental Labor Officials, 11527
- Labor-management reporting and disclosure act of 1959, qualifications for union office, issue of reasonableness in court cases, under the act, 11526
- Labor standards, agriculture and child labor requirements under Fair labor standards act, 11935
- Labor Standards Bureau, bulletins, 11527
- Labor Statistics Bureau, bulletins, 11529-547
- Labor unions :  
     Labor-management reporting and disclosure act, qualifications for union office issue of reasonableness in court cases, 11526  
     membership in 1966, advance report based on data from 1967 survey of economic opportunity, 10815  
     recognition in Federal Government, statistical report and listings by agency, etc., 10849
- Laboratories, *see* names of laboratories or places where located.
- Laissez-faire :  
     Cannolene Company, result of American free enterprise (address), 10880  
     economic contest between freedom and authoritarianism (address), 11323  
     triumph of free enterprise (address), 11331
- Lake County, Colo., Leadville district, silver potential and economic aspects, 11576
- Laminated materials, laminar boundary layer in presence of suction, 11703
- Land :  
     land and water conservation fund act of 1965, amend, hearings, 11039  
     private and public ownership, differentiation, Federal reclamation laws, acreage limitation amendments, report, 10998  
     standard land use coding manual, 11839  
     State and privately-owned, protection within national forest protection areas, 11370  
     *see also* Natural resources.
- Land burning, *see* Burning of land.
- Landers, H., climate of South Carolina, 11266
- Landing (aircraft) :  
     instrument landing approach of heavy subsonic jet transport with external-flow jet-flap system used for additional lift, simulator study, 11686  
     used airfield landing mat, criteria for inspection, evaluation, classification, and reuse, 11254
- Landing (spacecraft), *see* Spacecraft.
- Landing gear, landing mat and landing mat tie bars, preliminary tests in conjunction with expedient reinforcement for concrete, for use in Southeast Asia, 11255
- Lands, *see* Public lands.
- Language and languages, speech and language development program, Milwaukee, Wis., elementary program in compensatory education, 11219  
     *see also* names of languages.
- Lapel buttons, gold star, more equitable standard for awarding, report, 10970
- Lasers :  
     laser breakdown of copper vapor, 11679  
     laser materials, ARPA-NRD program of research, 11737
- Lasley, Floyd A., economic aspects of dairying in Northeast, 11194
- Lateral stability, *see* Stability of aircraft.
- Latin America, thrift institution development, staff study, 10939
- Launch vehicles, *see* Spacecraft.
- Law, slip laws (public) 91st Congress, 10906-935  
     *see also* Codes of law—*also* subjects.
- Law enforcement :  
     assistance amendments, proposals, hearings, 11050  
     housing code administration and enforcement, 11259  
     National Conference on Law Enforcement Education, 1970, selected presentations, 11523  
     Omnibus crime control and safe streets act of 1968, amend, hearings, 11050  
     Treasury Department has major role in Federal enforcement (remarks), 11921
- Law Enforcement Education, National Conference on, *see* National Conference on Law Enforcement Education.
- Laws, *see* Codes of law—Labor laws—Law.
- Layout, *see* Plants (Industrial).
- Layouts for flat-bed, rotary, and web press imposition, 11403
- Leaching, and magnetic roasting for upgrading Minnesota manganese iron ores, 11595
- Leadbetter, Sumner A., application of analysis and models to structural problems related to Apollo Saturn V launch vehicle, 11672
- Leadville district, Lake County, Colo., silver potential and economic aspects, 11576
- Leak detectors, leak detector for use in space environment, 11676
- Leather, hides and skins, Federal item identification guide, change, 11174
- Leather goods, *see* Leather, hides and skins.

- Leave of absence, uniformed service members voluntarily extending tour of duty in hostile fire area, special 30-day period of leave, extend authorization, report, 10967
- Leaves, foliar moisture content of chaparral in Arizona, accounting for variation and relating to prescribed fires, 11348
- Lebanon, environmental studies, bibliography, 10723
- Lee, K. Y., rare-element mineral deposits in mainland China, 11388
- LEED (Low energy electron diffraction), *see* Electron diffraction.
- Legislation, Legislative reorganization act of 1970, improve legislative branch, report, 11013  
*see also* Law—*also* subjects.
- Legislative reorganization act, *see* Congress of United States.
- Lemons, fresh, sold in selected markets, prices and spreads, 10691
- Lending operations, *see* Loans.
- Lenin prizes, 1970, competition in science and technology, 11519
- Leninism, *see* Communism.
- Lennon, Robert E., resume on field applications of Antimycin A to control fish, 11878
- Letters:  
drafting and editing naval letters, 11813  
sent by Secretary of Treasury relating to public lands ("N" series), 1801-78, microcopy, pamphlet to accompany, 11727
- Leuders, H. G., experimental investigation of advanced concepts to increase turbine blade loading, performance evaluation of modified turbine rotor blades, 11621
- Lewis and Clark Trail Commission, final report, 11551
- Liberty, economic contest between freedom and authoritarianism (address), 11323
- Library of Congress:  
newspapers, currently received and permanently retained, 11554  
President's papers index series, 11555  
publications in print, list, 11553  
purchase of office equipment and furniture, transfer authority from Architect of Capitol to Librarian of Congress, report, 11081  
serials, MARC format, 11556
- Licenses, activity which may affect resources of Hudson Riverway, extend time for review of applications, law, 10906
- Life insurance, survivor benefits, estimated amount in force as survivor benefits under social security program, 11855
- Life support systems:  
astronaut water recovery systems, university role in developing, 11624  
portable, conference, proceedings, 11627
- Lift (aircraft):  
wake effect of panel tip-mounted fan-jet engine on lift-induced vortex, exploratory wind-tunnel investigation, 11636
- Lifting, entry ( $L/D \leq C2$ ) for unmanned Viking class Mars landers, 11670
- Light and lighting:  
4-microsecond flashing light synchronized with framing of motion-picture cameras and its application in Schlieren photography, 11632  
night lighting for herring, old technique may have new possibilities, 10892
- Lignite, North Dakota lignite slagging fixed-bed gasification at pressures to 400 psig, 11593
- Linestone, transportation on Great Lakes waterway system, 11575
- Limitations (law):  
private and public ownership of lands differentiation Federal reclamation laws, acreage limitation amendments, report, 10998
- Lin-Fu, Jane S., neonatal narcotic addiction, 11565
- Lincoln Museum, designate as Ford's Theatre National Historical Site, report, 11091
- Lindenmuth, A. W., Jr., foliar moisture content of chaparral in Arizona, accounting for variation and relating to prescribed fires, 11348
- Lindmark Ronald D., black walnut on non-forest land in Kentucky, 11367
- Lindsey, Walter F., 4-microsecond flashing light synchronized with framing of motion-picture cameras and its application in Schlieren photography, 11632
- Linear equations, *see* Equations.
- Linear systems, linear time optimal control problem from a calculus of variations point of view, 11619
- Linings, lining and shoe, friction, Federal item identification guide, 11172
- Liquid-propellants, *see* Propellants.
- Liquids:  
long, cylindrical, liquid-filled independent cargo-tank barges, structural design review, 11846  
multiple-jet liquid injection into hyper-sonic flow, experimental investigation, 11685
- Liquors, distilled spirits, amend Internal revenue code, report, 10982
- Lists, *see* subjects of lists.
- Lithium carbonates, current drug information, FDA, 11337
- Lithographic prints, *see* Lithographs.
- Lithographs, Air Force lithograph series, 10724-725
- Lithology, *see* Rocks.
- Liu, Han-Shou, thermal contraction of Mercury, 11688
- Livestock, statistics, 1969, supplement, 10704  
*see also* Cattle.
- Load (mechanics):  
buffet and static aerodynamic characteristics of systematic series of wings determined from subsonic wind-tunnel study, 11656  
turbine blade loading, advanced concepts to increase, experimental investigation, 11621
- Loading, *see* Load (mechanics).
- Loans:  
bank lending practices, 1969, survey of changes, 11321  
cancellation benefit for registered nurses, list of hospitals, handbook, 11412  
Farmers Home Administration—  
real estate loans, increase limitation, hearing, 11019  
rental & co-op housing in rural areas, 10696  
loaning of money and interest rates under D.C. cooperative association act, exempt from D.C. laws, report, 10932  
timing advances of loan and grant funds with actual cash requirements, savings available to Government, Farmers Home Administration, GAO report, 11382
- Loblolly pine, *see* Pine.
- Local government, *see* Government.
- Logistics:  
integrated logistics support (ILS)—  
maintenance engineering analysis data system, 10746  
management guide, 10743  
procedural guide, 10745  
support integration, 10744
- Long Beach Island, N.J., joint probability method applied to tide frequency analysis, 11269
- Long Island R.R., accident investigation report, 11316
- Longitudinal stability, *see* Stability of aircraft.
- Longleaf pine, *see* Pine.
- Longwall mining, *see* Coal mines and mining.
- Loopers, cabbage, insecticidal control, field experiments, 10702

# INDEX

- Loops:
- Ch-1Zr Rankine system corrosion test loop, 11602
  - hybrid phase-lock loop analysis, 11629
  - primary, electromagnetic pump design for reactors, 11612
  - Los Angeles, Calif., geologic environmental map, 10768
  - Lotteries:
    - preselected winners, sweepstakes promotions, investigation—
    - hearings, 11060
    - reports, 10984
  - Loudspeakers, distortion-cancelling loud-speaker system, disclosure, report, 11741
  - Louisiana:
    - census of business, retail trade, merchandise line sales, 10788
    - electric rate book, 11314
  - Love, J. D., hydrocarbons in thermal areas, northwestern Wyoming, 11398
  - Low-rent housing, *see* Housing.
  - Luganda language, pretraining program, 11900
  - Lukens, H. R., study to develop neutron activation for measuring bone calcium content, 11618
  - Lunar escape systems (LESS) feasibility study, 11623
  - Lunar landings, two guidance schemes for manned lunar landing, evaluation, 11663
  - Lutz, G. J.:
    - 14-MeV neutron generators in activation analysis, bibliography, 11739
    - oceanography, bibliography of selected activation analysis literature, 11740
    - pollution analysis, bibliography of literature of activation analysis, 11738
- ## M
- M.H.D. *see* Magnetohydrodynamics.
- McConaghy, James A., reconnaissance of water resources in Haines-Port Chilkoot area, Alaska, 11391
- McCulloch, David S.:
  - effects of earthquake of Mar. 27, 1964 on Alaska Railroad, 11394
  - effects of water circulation in San Francisco Bay estuary, effects of fresh water inflow on flushing of south San Francisco Bay, 11393
- MacDonald, Gordon J. F., nomination, hearing, 11129
- Machiasport, Maine, foreign trade subzone, establish hearings, 11110
- Machines, *see* names or types of machines.
- McKay, Christine L., decrease in perceived distortion with repeated exposure, application for naval diver training, 11568
- Maclay, Susan, selling in India, government procurement procedures, 10876
- MacNary Dam, townsite, Umatilla County, Oreg., release and convey reversionary interest of U.S., report, 10975.
- Macy, Bruce W., ammunition production for Vietnam, impact on southeast Kansas, 10729.
- Madagascar, cyclopoid copepods of genus *Pseudanthessius* associated with crinoids, 11852
- Magnetic tape, summary tapes, general information about use, by Census Bureau, 10824
- Magnetohydrodynamics, MHD system with dual pressure melt gasification and CO<sub>2</sub> recycle, 10852.
- Mail matter, military assistance program address directory, changes, 11182-184
- Mails, *see* Postal service.
- Maine:
  - county business patterns, 10801
  - landings, fish and shellfish, annual summary, 10886
  - Maine Statehood, 6-cent commemorative postage stamp (poster), 11826
- Maintenance:
  - aircraft maintenance, potential for savings, GAO report, 11380
  - commander's supply and maintenance handbook, change, 10739
  - computerized onboard expeditious monitor and maintenance analyst (EMMA) for spacecraft systems, 11634
  - equipment, facilities in shore establishment, Navy design manual, change, 11807
  - maintenance engineering analysis data system (MEADS), integrated logistics support (ILS), Army technical manual, 10746
  - motor vehicle maintenance and repair shop specialized equipment, industrial plant equipment handbook, 11160
  - Maintenance technicians, examination announcement, amendment, 10845
- Man:
  - and animal, changing concepts, 11870
  - human operator state, signals, 11705
  - human radiobiology, 10774
- Man and his World, Montreal, Canada, dedication of U.S. pavilion (remarks), 11929
- Management, *see* Administrative management—Industrial management.
- Management and Budget Office, establish, hearings, 11127
- Manganese:
  - Minnesota manganiferous iron ore, magnetic roasting and leaching for upgrading, 11595
  - ore, chemical grade, disposal from national and supplemental stockpile, reports, 10999, 11009
  - ores, suspension of duties, report, 11098
- Manmade fiber broadwoven goods, *see* Textiles.
- Manpower:
  - Air Force manpower determinants, 10714-715.
  - brain sciences, IBRO survey of research facilities and manpower, index and supplement, 11781
  - comprehensive development program, establish, hearings, 11188
  - development and training legislation, 1970, hearings, 11138
  - improved management in Federal Government, report, 10992
  - procurement contracts and worker surpluses, Defense manpower policy, No. 4, questions and answers, 11913
  - research monographs, 11524
  - services to minority groups, desk reference for IS personnel, 11525
  - State dentist manpower reports, 1965-67 compilation, 11409
- Manuals, *see* names of departments, etc., issuing manuals—*also* subjects.
- Manufactures and manufacturers:
  - annual survey of manufactures, 10784
  - industry groups and industries, general statistics, 10784
  - census, 1967, industry statistics, 10795-796
  - census publications, price list, 11836
  - wage developments, 1969, 1st 6 months, 11549
  - see also* names of manufactured articles.
- MAP (military assistance program), *see* Military aid.
- Maps and charts:
  - Universal transverse mercator grid tables for latitudes 0°-80°, transformation of coordinates from grid to geographic—
  - Australian national spheroid (meters), 10741
  - Clarke 1880 spheroid (meters), 10740
  - see also* names of localities—*also* subjects.
- MARC (machine-readable cataloging), *see* Cataloging.

- Marihuana, wild hemp (marijuana), how to control it, 10701
- Marijuana, *see* Marihuana.
- Marine aircraft wing, 11558
- Marine biology, biological noise propagation characteristics in shallow water regions of Black Sea, 11500  
*see also* Marine flora.
- Marine Corps:  
Fleet Marine Force manual FMFM series, 11558-559  
officers, register—  
departmental edition, 11816  
document edition, 10941
- Marine Corps Reserve:  
officers, register—  
departmental edition, 11816  
document edition, 10941
- Marine flora, algae of Dominica, 11849
- Marine industry, *see* Merchant marine.
- Marine science, *see* Oceanography.
- Mariners, *see* Submariners.
- Maritime Administration:  
appropriations, 1971, authorization, law, 10908  
costs of operating nuclear merchant ship Savannah, GAO report, 11371  
SP series, 11560-563
- Maritime industry, *see* Merchant marine.
- Marketing, *see* Markets and marketing.
- Markets and marketing:  
defense utilization and marketing handbook, supplement, 11104  
marketing margins for selected dairy products and their substitutes, 11196  
marketing research reports, 10688-691.  
selling in—  
Greece, 10872  
India, government procurement procedures, 10876  
small marketers aids, 11848  
*see also* names or classes of commodities, etc., marketed.
- Mars (planet):  
unmanned Viking class Mars landers, lifting entry (L/D=C.2), 11870
- Marston, Norman, revision of new world species of Anthrax (Diptera: Bombyliidae), other than Anthrax albofasciatus group, 11850
- Martin, Arnold, W., XB-70 flight test data comparisons with simulation predictions of inlet unstart and buzz, 11625
- Martin, Richard A., dynamic analysis of XB-70-1 inlet pressure fluctuations during takeoff and prior to compressor stall at Mach 2.5, 11669
- Martiniqne, economic trends and their implications for United States, 11473
- Mass marketing of property and liability insurance, 11915
- Matanuska-Susitna Borough, Alaska, development of new lands, 10727
- Materials:  
evaluation program, continuation, MERF MERS evaluation system of desalination materials, 11441  
National materials policy act of 1969, hearings, 11143  
spacecraft, metallic materials and elements for aerospace vehicle structures, military handbook, change, 11179  
*see also* names of materials.
- Maternal welfare, *see* Mothers.
- Mathematics:  
Gauss quadrature rules involving some nonclassical weight functions, 11649  
mathematical modeling of solid waste collection policies, 11874  
science and mathematics books for elementary and secondary schools, 11241  
separation of variables for linear partial differential equations of 2d order in 2 independent variables, theory, 11650
- Mathematics—Continued  
tables, UTM grid tables for latitudes 0°-80°, transformation of coordinates from grid to geographic—  
Australian national spheroid (meters), 10741  
Clarke 1880 spheroid (meters), 10740  
time series analysis, theory and practice, 11779
- Matheny, William D., pulsars, bibliography, 10765
- Mats:  
landing, preliminary tests in conjunction with expedient reinforcement for concrete for use in Southeast Asia, 11255  
used airfield landing mat, criteria for inspection, evaluation, classification, and reuse, 11254
- Matz, R.:  
hydrocasting reverse osmosis membranes, 11443  
hydrodynamic aspects of desalination by reverse osmosis, 11444
- Matzenauer, J. O., lunar escape systems (LESS) feasibility study, 11623
- Meador, Willard E., long-range atomic interaction potentials for nitrogen, 11694
- Measurements:  
innovation in measurement (address), 10870  
methods, for semiconductor materials, process control, and devices, errata, 11736  
*see also* subject of measurements.
- Meat:  
Federal meat inspection act, amend, report, 11086  
fresh, radiation pasteurization, 10755  
plants, weak enforcement of Federal sanitation standards, GAO report, 11383  
processing plants, chemical compounds authorized for use under USDA inspection programs, list, 11154  
State inspection services, report, 11086  
statistics, 1969 supplement, 10704  
*see also* Packing industry.
- Meat packing plants, *see* Packing industry.
- Meats, *see* Meat.
- Mechanics (science):  
thermal-mechanical treatments, effect on tensile strength of 19-901 and 12R72HV austenitic stainless steels, 10757
- Mechanization, office, and computer technology, yearbook for Hungary, 11490
- Medals, commemorative, Stone Mountain, Ga., carvings depicting heroes of Confederacy, law, 10915
- Medical assistance, medicaid, medicare, which is which? 11566
- Medical care:  
home health benefits under medicare, 11867  
medicaid, medicare, which is which? 11566  
medicare—  
health insurance for the aged, participating health facilities, 11857  
how to claim benefits, 11865  
medical insurance benefits, important facts, 11862  
outlays for aged and nonaged persons, 1966-69 fiscal years, 11860  
veterans with service since Jan. 31, 1955, medical, dental and hospital benefits, 11932  
your social security, 11864
- Medical Department, Navy, orientation, 11815
- Medical examiners, aviation, directory, 10781
- Medical facilities, *see* Health centers.
- Medical insurance, *see* Health insurance.
- Medical Insurance Trust Fund, Federal Supplementary *see* Board of Trustees of Federal Supplementary Medical Insurance Trust Fund.

## INDEX

- Medical laboratories, independent, participating under health insurance for aged, 11857
- Medical Nutrition Laboratory, Fitzsimons General Hospital, *see* Army Medical Research and Nutrition Laboratory.
- Medical supplies, medical materiel, procurement quality assurance handbook, supplement, 11185
- Medical technologists, frontier of clinical pathology, 6 interviews conducted at National Institutes of Health, 11780
- Medicare, *see* Medical care.
- Medicine:
- aerospace medicine, physiology of flight, 10720
  - aviation medical report AM series, 10780
  - see also* Nuclear medicine.
- Mediterranean Sea, tide tables, 10853
- Meeves, Henry C., silver potential and economic aspects of Leadville district, Lake County, Colo., 11576
- Mejla, R., time series analysis, theory and practice, 11779
- Membranes:
- modified whirling membrane solar-energy concentrator, geometric properties, 11683
  - reverse osmosis—
    - hydrocasting, 11443
    - sulfonated polyphenylene oxide, development for, 11448
- Memory devices, memory subsystem with MOS transistor of single type, calculating parameters, USSR study, 11493
- Mental health:
- community centers, bold new approach, 11774
  - directory, 11416
  - State salary ranges of positions, 11405
- Mental health centers, *see* Mental institutions.
- Mental institutions:
- CMHC comprehensive community mental health center, grants for construction and staffing, 11777
  - community mental health centers, bold new approach, 11774
- Mental retardation:
- publications: Health, Education, and Welfare Department, list, 11404
  - Developmental disabilities services and facilities construction act of 1970, hearings, 11046
  - Facilities construction act, amend, hearings, 11046
  - mental retardation and other developmental disabilities, hearings, 11046
- Merchandise, *see* Commercial products.
- Merchant marine:
- act of 1936, amend, law, 10911
  - Great Lakes' industry to receive assistance (remarks), 11563
  - new growth under the President's program (remarks), 11560
  - officers' training (remarks), 11562
- Merchant Marine and Fisheries Committee, House, reports, 10994-995
- Mercury:
- boiler, X-ray observations of flow patterns, 11631
  - mercury-transformer and semiconductor substations, USSR study, 11507
- Mercury (planet):
- thermal contraction, 11688
- MERF-MERS (Materials evaluation report form/system), *see* Desalination.
- Meridian circle, *see* Transit circle.
- Merlin division, *see* Rogue River basin project.
- Merrick, Vernon K., instability of slender thin-walled booms due to thermally induced bending moments, 11646
- Metallization systems for integrated circuits, 11687
- Metallurgy, nonferrous, research, USSR study, 11489
- Metals:
- metallic materials and elements for aerospace vehicle structures, military handbook, change, 11179
  - nonferrous, metallurgy research, USSR study, 11489
  - refractory, contamination by oxygen, water vapor, and carbon monoxide, 11607
  - see also* Misch metal.
- Meteorological rockets, *see* Rockets.
- Meteorological satellites, *see* Satellites.
- Meteorology:
- meteorology from space altitudes, USSR study, 11521
  - records documentation, 11277
  - synoptic, weekly analyses, 5-, 2-, and 0.4-millibar surfaces, 11276
- Methanes, interaction of methane, ethane, ethylene, and acetylene with iron (001) surface and their influence on adhesion studies with LEED and auger, 11666
- n-pentane and methane-n-pentane, phase behavior in binary and multicomponent systems, at elevated pressures, 11732
- Methoxychlor, chronic effects on bluegills and aquatic invertebrates, 11892
- Metroka, Robert R., fabrication of uranium mononitride compacts, 11692
- Mexico, economic trends and their implications for United States, 11466
- MHD, *see* Magneto hydrodynamics.
- Microfilm, National Archives publications, pamphlet accompanying, 11719-729
- Micro-organisms, regulating shipment of pathogens, 10897
- Mid-continent memo, 11823
- Migrant labor, migrant and seasonal farm-worker powerlessness, hearings, 11139
- Migrants, migrant subculture, hearings, 11139
- Migration of workers, *see* Migrant labor.
- Migratory workers, *see* Migrant labor.
- Military Academy, West Point, administration of training, uniform policy, create, report, 10965
- Military aid:
- appropriations, 1971, report, 10962
  - China, Republic, U.S. security agreements and commitments abroad, hearings, 11125
  - military assistance program address directory, changes, 11182-184
  - world military expenditures, 1969, and related data for 120 countries, 10730
- Military Airlift Command, military airlift, subcommittee report, 11024
- Military art and science:
- special military operations handbook, change, 10726
  - U.S. military actions in Cambodia, questions of international law, 11895
- Military assistance, *see* Military aid.
- Military construction, *see* Installations (military).
- Military engineering, facilities engineering, work performance standards for post engineering, Army pamphlet change, 10737
- Military equipment, *see* Military supplies.
- Military establishments, *see* Armed Forces.
- Military handbook, 11179
- Military housing, *see* Housing.
- Military installations, *see* Installations (military).
- Military operations, *see* Military art and science.
- Military policy, moral and military aspects of war in Southeast Asia, hearings, 11124
- Military posts, facilities engineering, work performance standards for post engineering, Army pamphlet, change, 10737
- Military publications, index of AMC publications and blank forms, 10731

- Military research, Defense Department, research, development, test, and evaluation, 1971, authorization, hearings, 11107
- Military standards, *see* Standards and standardization.
- Military supplies:  
 commander's supply and maintenance handbook, change, 10739  
 defense industrial plant equipment center operations, DSA manual, change, 11163  
 Defense Supply Agency, potential for reducing inventory investments through improved computation of stock needs, GAO report, 11379  
 Federal buying directory, 11384  
 importation of implements of war, 11458  
 industrial mobilization production planning manual, 11161  
 integrated logistics support (ILS)—  
 maintenance engineering analysis data system, 10746  
 management guide, 10743  
 procedural guide, 10745  
 support integration, 10744
- MILSTRIP—  
 military standard requisitioning and issue procedures, supplements, 11183-184  
 routing identifier codes, 11181  
 procurement, preproduction evaluation (PPE) contracts, Army Materiel Command pamphlet, 10732  
 world military expenditures, 1969, and related data for 120 countries, 10730
- Milk, Federal marketing orders, summary of major provisions, 11155
- Miller, William E., nomination, report, 11068
- Millwork, census of manufactures, 1967 industry statistics, 10796
- MILSTRIP (Military standard requisitioning and issue procedures), *see* Military supplies.
- Milwaukee, Wis.:  
 elementary program in compensatory education—  
 elementary reading centers, 11214  
 speech and language development program, 11219
- Milwaukee County, Wis., land use for civic and recreational purposes, authorize, report, 10987
- Mine drainage, sulfide to sulfate reaction mechanism, 11336
- Mine explosions, *see* Coal mines and mining.
- Mine props, bearing capacity of roof and floor in selected bituminous coal mines, progress report of in situ tests, longwall mining, 11591
- Minerals:  
 census publications, price list, 11836  
 mineral separation in vacuum, factors related, 11589  
 Mining and minerals policy act of 1969, hearings, 11038  
 national mining and minerals policy, establish, hearings, 11038  
 rare-element mineral deposits in mainland China, 11388
- Miners, *see* Coal mines and mining.
- Mines and mining  
 Mining and minerals policy act of 1969, hearings, 11038  
 national mining and minerals policy, establish, hearings, 11038  
*see also* Coal mines and mining—*also* names of metals and minerals mined.
- Mines Bureau:  
 coal program, review, 11582  
 information circulars, 11574 582  
 report of investigations, 11583-596
- Minnesota:  
 county business patterns, 10802  
 Great Lakes area, fishery products, whole sale dealers, list, 10893  
 magnetiferous iron ore, magnetic roasting and leaching for upgrading, 11595
- Minorities:  
 business enterprises (address), 10862  
 GSA and minority businessman, partners in progress, 11385  
 manpower services to minority groups, desk reference for ES personnel, 11525  
 MIRV (multiple independently targeted entry vehicle), *see* Missiles.
- Misch metal, electrowinning, from treated bastnaesite concentrate, 11585
- Missiles:  
 ABM, MIRV, SALT, and nuclear arms race, hearings, 11122  
 antiballistic missile system, SAFEGUARD, construction appropriations, 1971, 11020  
 military procurement appropriations, 1971, authorization, hearings, 11107
- Mississippi:  
 forests, growth components, 11360  
 northern, hydrologic effects of prescribed burning and deadening upland hardwoods, 11366
- Mississippi River and Valley, Mississippi Delta, rural poor, propensity for change, study, 11192
- Missouri:  
 census of business, retail trade merchandise line sales, 10789  
 Mississippi River and tributaries, fishery products, wholesale dealers, list, 10895  
 Missouri Basin Inter-Agency Committee: annual progress report, 1969 fiscal year, 11597  
 minutes—  
 158th meeting, 11598  
 159th meeting, 11599
- Missouri River Basin project:  
 Narrows unit, construct, operate, and maintain, report, 10961  
 Riverton extension unit, reauthorize and include Riverton reclamation project, hearing, 11040
- Mitchell, George W., remarks, Apr. 10, 1970, 11326
- Mixing, turbulent mixing in initial region of heterogeneous axisymmetric coaxial confined jets, 11620
- Mobile, Ala.:  
 engineers report on harbor—  
 departmental edition, 11253  
 document edition, 10947  
 Mobile shops, *see* Repair shops.
- Mobility:  
 persons and families, Mar. 1970, selected characteristics, 10817  
 social, roots, study, 11192
- Mobilization, *see* Industry.
- Models (structural):  
 complex airplane model, sonic-boom characteristics in extreme near field, at Mach numbers of 1.5, 1.8, and 2.5, 11644
- Moede, Herbert H., marketing margins for selected dairy products, 11196
- Moisture:  
 foliar moisture content of chaparral in Arizona, accounting for variation and relating to prescribed fires, 11348  
 horizontal moisture convergence and convective cloud formation relationships, 11267  
 stored tobacco, moisture, temperature and relative humidity, 10678
- Molecules, diatomic, calculation of rotational energy levels and rotational line intensities, 11731
- Moments, instability due to thermally induced bending moments of slender thin-walled booms, 11646
- Money:  
 currency outstanding, adjustment, report, 11095  
 flow of funds accounts, 1945-68, annual total flows and year-end assets and liabilities, 11323  
 monetary policy, U.S. position in international markets (remarks), 11922

## INDEX

- Mongolia, area handbook, 10738
- Monitoring, computerized onboard expedition monitor and maintenance analyst (EMMA) for spacecraft systems, 11634
- Monomoy National Wildlife Refuge, birds, list, 11885
- Monson, Daryl J., shock-wave and surface pressures on hemisphere and cone-cylinders in low-density hypersonic flow including ablation, 11633
- Montana, electric power contract oversight, hearing, 11130
- Moon:
- photoelectric-photographic study of normal albedo, 11396
  - Washington meridian observations, 1925-68, 6-inch transit circle results, 11809
- Moore, Geoffrey H., address, May 19, 1970, 11548
- Moore W. H., reverse osmosis plant for maple sap concentration, 10680
- Moorer, Thomas H., nomination, hearing, 11109
- Moorman, Bernard J., water pesticides, 11262
- Moral and military aspects of war in Southeast Asia, hearings, 11124
- Morality, *see* Ethics.
- Morgan, Harry L., jr., performance and deployment characteristics of twin-keel parawing with various amounts and permeabilities of porous material in outer lobes, 11651
- Morphology, and length correlated in terminal flushes of longleaf pine saplings, 11365
- Morrell, Frederick R., investigation of fine-pointing control system of soft-gimballed orbiting telescope, 11671
- Morris, Garland J., response of several turbojet airplanes to runway roughness, 11640
- Morris, Odell A., sonic-boom characteristics in extreme near field of complex airplane model at Mach numbers of 1.5, 1.8, and 2.5, 11644
- Morrison, S. R., predicting summer production losses for swine, 10703
- Morrison formation, *see* Jurassic period.
- Mortgage insurance:
- FHA homes—
    - area trends, 11304
    - regulations, amendments, 11305-306
    - State trends, 11308
  - FHA project, regulations, amendments, 11307
  - mortgagees guide, administration of insured mortgages, 11419
- Mortgages:
- Emergency home financing act of 1970—
    - hearings, 11026
    - report, 10960
  - mortgagees guide, administration of insured mortgages, 11419
- Moskowitz, Saul, guidance and control payload support requirements for planetary cartographic probe, 11680
- Mossbauer effect, spectrometry for analysis of iron compounds, 10760
- Mothers, maternal nutrition, annotated bibliography, 11564
- Motion:
- artificial satellites in eccentric gravitation field, 11697
  - motion drive signals for piloted flight simulators, 11617
- Motion picture cameras, *see* Cameras.
- Motion pictures:
- catalog of copyright entries, 11156
  - selected drug abuse education films, 11763
- Motor buses, *see* Motorbuses.
- Motorbuses, bus and motor coach travel in U.S., 11927
- Motor carriers:
- class 1 and 2, cost of transporting freight—
    - Central region, 11482
    - Eastern-central territory, 11483
- Motor fuel, taxation, user charges increase, law, 10918
- Motor vehicles:
- maintenance and repair shop specialized equipment, industrial plant equipment handbook, 11160
  - National traffic and motor vehicle safety act of 1966, amend, law, 10925
  - passenger, systems and equipment, purchase over statutory price limitation, allow, report, 11078
  - tracked combat vehicles, military procurement appropriations, 1971, hearings, 11107
  - world production and registration, 10782
- Mountain pine beetles, *see* Beetles.
- Mullan, James W.:
- food habits of 5 centrarchids during filling of Beaver Reservoir, 11801
  - thermal, oxygen, and conductance characteristics of new and old Ozark reservoir, 11891
- Multer, R. H., measuring directional velocity in water waves with acoustic flowmeter, 11249
- Municipalities, *see* Cities and towns.
- Munitions, ABM, MIRV, SALT, and nuclear arms race, hearings, 11122
- Murphy, William J., Rhode Island landings, 10887
- Musen, Peter, discussion of Hill's method of secular perturbations and its application to determination of zero-rank effects in non-singular vectorial elements of planetary motion, 11632
- Muses, revisited (address), 11236
- Myers, Robert J., estimated amount of life insurance in force as survivor benefits under social security program, 11855
- Myers, Vance A., joint probability method of tide frequency analysis applied to Atlantic City and Long Beach Island, N.J., 11269

### N

- Nails and spikes, short spikes, conical flow field at Mach number 9.6, investigation, 11643
- Narcotic addicts, narcotic addiction treatment agencies, in U.S., directory, 11776
- Narcotic habit:
- narcotic addiction treatment agencies, in U.S., directory, 11776
  - neonatal narcotic addiction, 11565
- Narcotics, problem, hearings, 11135
- Narrows unit, *see* Missouri River Basin project.
- NASA, *see* National Aeronautics and Space Administration.
- National Advisory Committee for Oceans and Atmosphere, establish, hearings, 11115
- National Advisory Council on Child Nutrition, establish, law, 10909
- National Advisory Council on Services and Facilities for Developmentally Disabled, establish, hearings, 11046
- National Advisory Council on Vocational Education, annual report, 11246
- National Aeronautics and Space Administration:
- appropriations, 1971—
    - authorization—
      - hearings, index, 11058
      - report, 10993
    - hearings, 11105
  - contractor report CR (series), 11601-625
  - report of Apollo 13 Review Board to Administrator, 11711
  - SP series, 11626-627
  - space flight investigations, opportunities for participation, 11709-710
  - technical notes, 11623-695
  - technical reports, 11696
  - technical translations, 11697-708



- National Air Pollution Control Administration, publication ATTD series, 11716
- National Archives:  
 inventory series, 11718  
 microfilm publications, pamphlets accompanying, 11719-729
- National Bureau of Headquarters of Army, 11718
- National Bureau of Standards:  
 ARP-NBS program of research on high temperature materials and laser materials, 11737  
 frequency and time broadcast services, radio stations WWV, WWVH, WWVB, and WWVL, 11735  
 monograph, 11730-731  
 national standard reference data series, 11732  
 special publications, 11735  
 technical notes, 11736-741
- National Cancer Institute:  
 research and related programs including roster of staff, etc., 11751  
 research opportunities, 11750
- National Capital region, *see* District of Columbia
- National cemeteries, expenses, appropriations, 1971, hearings, 11106
- National Center for Health Services Research and Development:  
 NCHS-RD (series), 11752  
 new careers in health service research and administration, 11753
- National Commission on Banking, establish, hearings, 11111
- National Commission on Consumer Finance, appropriations, 1971, hearings, 11105
- National Commission on Materials Policy, establish, hearings, 11145
- National Commission on Product Safety, final report, 11768
- National Committee on Vital and Health Statistics, *see* United States National Committee on Vital and Health Statistics
- National Conference on Law Enforcement Education, 1970 selected presentations, 11523
- National Council on Marine Resources and Engineering Development, act of 1966, amend, hearings, 11115
- National Council on the Arts, annual report, 11769
- National defense:  
 defense manpower policy no. 4, procurement contracts and worker surpluses, questions and answers, 11913  
 emergencies, railroad planning for, 11485  
 emergency procedures for control of civil transportation, 11916  
 special military operations handbook, change, 10726  
*see also* Civilian defense.
- National economy, *see* Economic conditions.
- National electric rate hook, 11313-314
- National Endowment for the Arts, annual report, 11769
- National environmental study area, guide, 11791
- National forests:  
 search for solitude, our wilderness heritage, 10698  
 State and privately owned land protection within area, 11370
- National Guard, Army, U.S. property and fiscal officer, duties and responsibilities, NGB pamphlet, change, 11770
- National Guard Bureau, pamphlet, 11770
- National health survey, vital and health statistics, 11755
- National Institutes of Health:  
 appropriations, 1971, hearings, 11021  
 frontier of clinical pathology for medical technologists, 8 interviews, 11780  
 nursing research grants supported by Nursing Division, list, 11411
- National Labor Relations Board, decisions and orders, bound volume, 11783
- National monuments and memorials, keep it alive! tips on living history, demonstrations, 11795
- National Museum:  
 act, amendment, hearing, 11147  
 bulletins, 11784-785
- National Oceanic and Atmospheric Agency, establish, hearings, 11115
- National Park Service:  
 visitor services training series, 11795  
 volunteers in park program, establish, report, 10955
- National parks, camping, fees, facilities, etc., 11787
- National resources:  
 one third of nation's land, report to President and to Congress by Public Land Law Review Commission for its use, etc., 11837  
 Resource recovery act of 1969, hearings, 11135  
*see also* Natural resources.
- National Science Foundation:  
 appropriations, 1971, hearings, 11105  
 Sea grant college and program act of 1966, amend, reports, 10994, 11079
- National search and rescue manual, 10856
- National security:  
 China, Republic, U.S. security agreements and commitments abroad, hearings, 11125  
 threat to U.S. security posed by stepped-up Sino-Soviet hostilities, hearings, 11134
- National Security Seminars:  
 background readings, 11487  
 information guide for conduct, 11486
- National Severe Storms Laboratory, ESSA technical memorandum BRITM-NSSL series, 11267-268
- National standard reference data series, 11732
- National standard reference data system publications, lists, 11733-734
- National Student Loan Association, establish (statement), 11925
- National Visitor Center, status, 11792
- National Water Commission, appropriations, 1971, hearings, 11022
- Natural resources:  
 Alaska resources development studies, Matanuska-Susitna Borough, development of new lands, 10727  
 balance, discussion of conservation issues (periodical), 11821  
 conservation practices, national handbook, 11869  
 resource and conservation development projects, cost sharing grants, hearing, 11018  
 resource bulletins, 11367-368  
 resource publications (series), 11889-890  
 Resource recovery act of 1969, hearings, 11145  
 theology of the earth (lecture), 11854
- Naval Academy, Annapolis:  
 administration of training, uniform policy, create, report, 10965  
 register, 11806
- Naval education, programmed instructional material, catalog, 11812
- Naval Facilities Engineering Command, design manual, 11807
- Naval Observatory, publications (series), 11809
- Naval Oceanographic Office, special publication SP series, 11810
- Naval Personnel Bureau, manual, change, 11811
- Naval Research Laboratory:  
 annual report, 11817  
 report series, 11818-820
- Naval Submarine Medical Center, reports, 11567-571
- Naval supplies, *see* Military supplies.
- Naval vessels, *see* Ships.

# INDEX

- Navier-Stokes equations, *see* Equations of motion.
- Navy:  
 drafting and editing naval letters, 11813  
 enlisted personnel classification manual, 11814  
 manpower and personnel management information system improvement needed in reliability, GAO report, 11375  
 naval diver training, decrease in perceived distortion with repeated exposure, application, 11568  
 officers, register—  
   departmental edition, 11816  
   document edition, 10941  
   submarine line officer, characteristics, factor, analytical study, 11569  
 Navy Department, aircraft maintenance, potential for savings, GAO report, 11380  
 Navy Supply Corps, former line officers, payment of severance pay, correct inequity, report, 10966  
 NBS, *see* National Bureau of Standards.  
 NCHS, *see* National Center for Health Services Research and Development.  
 Near East, *see* East (Near East).
- Negotiated contracts, *see* Government contracts.
- Negotiation:  
 Cambodia concluded, now it's time to negotiate, report to Nation by President Nixon, 11896  
 international, when academic door to Peking opens, memorandum, 11126
- Negroes, Afro-Americans in Far West, handbook for educators, 11200
- Neighborhoods, conservation and rehabilitation in urban renewal areas, 11434
- Nelson, Thomas F., investigation of effects of surrounding structure on sonic fatigue, 11606
- Neonatal, *see* Infants.
- Netherlands, records of Dept. of State, pamphlet to accompany microcopy, political relations with U.S. and other States, 11725
- Networks, interstate effects surveillance network, 1969 data, air pollution particles, statistics, 11716
- Neumann, Charles J., frequency and duration of thunderstorms at Cape Kennedy, application to forecasting, 11271
- Neutron activation analysis, *see* Radioactivation analysis.
- Neutrons:  
 14-MeV neutron generators in activation analysis, bibliography, 11739  
 neutron-irradiated A537-B and A350-LF2 steel weldments Charpy-V notch ductility characteristics, 11819
- Nevada:  
 county business patterns, 10803  
 soil survey laboratory data and descriptions, 11873
- New alchemy (remarks), 10775
- New Hampshire, county business patterns, 10804
- New Haven, Conn., air quality control region, Federal facilities, air pollution report, 11712
- New Jersey, census of business, 1967, retail trade merchandise line sales, 10790
- New Mexico, fire stimulated aspen sprouting in spruce-fir forest, 11349
- New York City:  
 elementary program in compensatory education—  
   after-school study centers, 11213  
   more effective schools, 11216  
   fresh fruit and vegetable prices, 10707  
   seawater desalting as emergency water supply, study, 11450  
 secondary program in compensatory education—  
   college bound program, 11242  
   junior high summer institutes, 11243
- New York State, census of business, retail trade, merchandise line sales, 10791
- New Zealand, extradition treaty, 11067
- Newark, N.J., area wage survey, 11532
- Newport News, Va., area wage survey, 11541
- Newspapers, Library of Congress, currently received and permanently retained, 11554
- Nickel:  
 high purity, electrochemical recovery from crude nickel and ferronickel, 11587  
 nickel-base superalloys, estimation of gamma phase composition based on geometric analysis of four component phase diagram, 11648  
 U.S. resources, availability, 11579
- Night lighting for herring, old technique may have new possibilities, 10892
- Niobium, commercially pure and oxygen-doped, apparent solubilities in liquid potassium, 11691
- Nitrogen:  
 helium-nitrogen system viscosity from 133° to 740° K for pressures between 1 and 240 atmospheres, 11590  
 long range atomic interaction potentials, 11694
- NLRB, *see* National Labor Relations Board.
- Noise:  
 biological noise propagation characteristics in shallow water regions of Black Sea, USSR study, 11500  
 measurement, Soviet research, 11502  
 Noise pollution and abatement act, hearings, 11143  
 standards, aircraft type certification, Federal aviation regulations, 11284
- Nonferrous metals, *see* Metals.
- Noonan, W. E., acoustic tests of flexible spacecraft model, 11622
- Norfolk, Va., area wage survey, 11541
- North Atlantic Ocean, *see* Atlantic Ocean.
- North Atlantic slope basins, *see* Atlantic States.
- North Carolina:  
 census of business, 1967, retail trade, merchandise line sales, 10792  
 census of transportation, 1967, commodity transportation survey, 10797  
 climate, 11264
- North Dakota:  
 county business patterns, 10805  
 lignite, slagging fixed-bed gasification at pressures to 400 psig, 11593
- Northeast (U.S.):  
 economic aspects of dairying, 11194
- Northwest (U.S.):  
 surface currents as determined by drift card releases on Continental Shelf, 11891
- Nozzles, two-phase flow in turbines and reaction nozzles, 11706
- n-Pentane, n-pentane and methane-n-pentane, phase behavior in binary and multicomponent systems at elevated pressures, 11732
- NRL *see* Naval Research Laboratory.
- NSRDS, *see* National standard reference data system.
- NSSL, *see* National Severe Storms Laboratory.
- Nuclear energy, *see* Atomic energy.
- Nuclear medicine, bibliography, 10764
- Nuclear radiation, *see* Radiation.
- Nuclear reactions, problems of controlled thermonuclear synthesis and plasma physics, high-frequency properties of plasma, 10754
- Nuclear reactor power plants, nuclear reactors and public reaction (remarks), 10776
- Nuclear reactors, *see* Reactors (atomic).
- Nuclear weapons, *see* Weapons.
- Numerical calculations, calculation of rotational energy levels and rotational line intensities in diatomic molecules, 11731

- Nurses and nursing :  
 loan cancellation benefit, list of hospitals, handbook, 11412  
 nursing research grants supported by Nursing Division, list, 11411  
 professional traineeships, short-term training courses, 11415  
 research in nursing, 1955-68, research grants, 11413
- Nursing, *see* Nurses and nursing.
- Nursing Division, National Institutes of Health, current research grants, supported, list, 11411
- Nursing homes :  
 extended care facility cases, analysis of duration of prior hospital stays, 11856  
 participating under health insurance for aged, 11857
- Nutrition :  
 Child nutrition act of 1966, amend, law, 10909  
 distribution of nutrients in Weddell Sea, 1968-1969, report, 10857  
 maternal, annotated bibliography, 11564  
 Nutrition Laboratory, *see* Army Medical Research and Nutrition Laboratory.
- Nuttall oak, *see* Oak.
- 0
- OAA, *see* Old age assistance.
- Oak, nuttall acorns, field germination, 11361  
 OBR series, 10872-879
- Observation, ionospheric disturbances in Antarctica, 11275
- Occupational health, *see* Health.
- Occupational outlook handbook, 11530
- Occupational safety aid, 11528
- Occupational wage surveys, *see* Wages.
- Occupations :  
 career opportunities—  
 Coast Guard, 10858  
 health services, research and administration, professional levels, 11752  
 outlook, handbook, 11530  
*see also* Employment.
- Ocean :  
 atmospheric potential gradient measurements at sea, 11820  
 Federal oceanic and atmospheric program for research development, etc., hearings, 11115
- Ocean cruises, *see* Cruises.
- Ocean currents :  
 ocean circulation and distribution of sockeye salmon, 10890  
 surface currents as determined by drift card releases on Continental Shelf off northwestern U.S., 11891  
*see also* Gulf Stream.
- Oceanography :  
 bibliography of selected activation analysis literature, 11740  
 conquest of the depths, USSR study, 11517  
 fishery oceanography, 10890  
 marine science, committed to the future (remarks), 10881  
 oceanographic report, 10857  
 Sea-grant college and program act of 1966, amend, reports, 10994, 11079
- Office furniture and equipment, Library of Congress, authority to purchase, transfer from Architect of Capitol to Librarian of Congress, report, 11081
- Officers, *see* Armed Forces—*also* names of services to which officers belong.
- Ohio :  
 comprehensive elementary teacher education program, feasibility, 11222  
 Great Lakes area, fishery products, wholesale dealers, list, 10894  
 southeastern, pulpwood growing investment, opportunities, 11362
- Oil, *see* Oils.—Petroleum.
- Oil pollution of rivers, harbors, etc., *see* Water pollution.
- Oil shale :  
 Green River formation lithology and oil shale correlations in Piceance Creek basin, Colo., 11583  
 oil-shale fracturing tests near Rock Springs, Wyo., evaluation, 11584
- Oils :  
 char energy development, interim report, 10851  
 cottonseed salad oil, storage temperature effects on quality, 10688  
 oil-producing formations, Appalachian area, lithologic descriptions, 11581  
 oil treatment of raisins, effect on numbers of insects infesting raisin packages, 10679  
 soybean salad oil, effects of storage temperatures on quality, 10889  
*see also* names of oils.
- Oklahoma :  
 climate, 11265  
 county business patterns, 10806
- Old age assistance, OAA recipients in 1965, health conditions and health services, 11757
- Old-age insurance, *see* Aged.
- Olsen Creek, Prince William Sound, Alaska, biological characteristics of intertidal and fresh-water spawning pink salmon, 10897
- One-third of nation's land, 11837
- Operation Breakthrough, questions and answers, 11435
- Operation Prairie Flat, Project LN314, dynamic response of model buried field shelter, errata, 11258
- Opportunities for research at National Cancer Institute, 11750
- Optics, atmospheric, problems, 11704.
- Optimal control, linear time optimal control problem from a calculus of variations point of view, 11619
- Optimization, optimizing electric-furnace smelting processes, methods, 11578
- Oral contraceptives, *see* Contraceptives.
- Oranges, fresh, sold in selected markets, prices and spreads, 10691
- Orbits, zero-rank effects in non-singular vectorial elements of planetary motion, determination, discussion and potential application of Hill's method of secular perturbations, 11832
- Orders, *see* names of departments, etc., issuing orders—*also* subjects.
- Oregon :  
 county business patterns, 10807  
 elementary teacher education, managing development, implementation and operation of model program, project report, 11226  
 Territory, 1849-1907, Interior Dept., appointment papers, microcopy, pamphlet to accompany, 11723
- Oregon Caves National Monument, general information, 11793
- Ores, *see* names of metals or minerals.
- Organic compounds :  
 synthetic chemicals, production and sales, 11909  
 tar and tar crudes, 11910
- Oriel, Steven S., uppermost Cretaceous and Tertiary stratigraphy of Fossil basin, southwestern Wyoming, 11397
- Orientation :  
 birds, certain problems in studying, USSR study, 11497  
 birds, USSR study, 11512  
 urban, counties, focus for area development analysis, errata, 11191
- Orofino, T. A., development of hollow filament technology for reverse osmosis desalination systems, 11447

# INDEX

- Oscillations, nonlinear fluid, in partially filled axisymmetric container of general shape, 11657
- Osmosis :  
reverse—  
desalination systems, application of hollow filament technology, 11447  
development of sulfonated polyphenylene oxide membranes, 11448  
hydrodynamic aspects of desalination, 11444  
membranes, hydrocasting, 11443  
plant for maple sap concentration, 10680
- The other wire, 11278
- Outdoor recreation, *see* Recreation.
- Outer space :  
goals and means in conquest of space, 11700  
meteorology from space altitudes, USSR study, 11521  
welding methods tested in space, USSR study, 11494  
*see also* Life support systems.
- Outlet works, *see* Reservoirs.
- Outpatient services, *see* Hospitals.
- Overseas business reports, 10872-10879
- Overtime, *see* Hours of labor.
- Oxidizers, *see* Oxidizing agents.
- Oxidizing agents, photochemical oxidants, air quality criteria, 11715
- Oxygen :  
commercially pure and oxygen-doped tantalum and niobium, apparent solubilities in liquid potassium, 11691  
contamination of refractory metals, 11607  
displacement of disassociation curves and red cell cation exchange in chronic hypercapnia, 11567
- Ozarks region, new and old Ozark reservoir, thermal, oxygen, and conductance characteristics, 11891
- P**
- PA series, 10695-10701
- Pacific area, East Asian and Pacific series, 11895, 11896
- Pacific Islands Trust Territory, *see* Trust Territory of Pacific Islands.
- Pacific Ocean :  
adjacent to San Francisco Bay estuary, movement of seabed drifters, 13393  
Central and western Pacific tuna fishery development act, report, 11077  
equatorial eastern Pacific, surface tuna schools located & fished, 10891
- Packaging, raisings, effect of oil treatment, numbers of insects infesting packages, 10679
- Packing industry, meat plants, weak enforcement of Federal sanitation standards by Consumer and Marketing Service, GAO report, 11333
- Pakistan, foreign trade regulations, 10873
- Paleozoic era, stratigraphy in northwest coastal area of Prince of Wales Island, Southeastern Alaska, 11387
- Pamphlets, *see* names of departments, etc., issuing pamphlets.
- Panama :  
economic trends and their implications for United States, 11467  
population, estimates and projections, 10826
- Panama Canal, appropriations, 1971, hearings, 11022
- Panels and panelling, wake effect of panel tip-mounted fan-jet engine on lift-induced vortex, exploratory wind-tunnel investigation, 11636
- Parachutes, 40-foot-diameter (12.2 meter) ringsail parachute, high altitude flight test at deployment Mach number 2.95, 11652
- Parameters :  
generalized parameter fuel control for jet engines, computer and engine performance study, 11689  
of memory subsystem with MOS transistor of single type, calculating, USSR study, 11493  
operating, effect on net power output of 2- to 10-kilowatt Brayton rotating unit, 11661
- Parasites, of bluefish *Pomatomus saltatrix*, annotated list, 11893
- Parawings, *see* Wings (aircraft).
- Parker, Judy T., letters sent by Secretary of Treasury relating to public lands ("N" series), 1801-78, pamphlet accompanying microcopy, 11727
- Parole, youthful offenders, Youth Correction Division to designate examiners to make recommendations, hearings, 11051
- Parratt, Spencer, housing code administration and enforcement, 11259
- Particles :  
elementary particles and cosmic rays, 11699  
hypervelocity microparticle-impact craters, and associated filamentary crystal growth, 11668
- Partners in progress, 11385
- Parts, antennas, Federal item identification guide, 11166
- Passenger traffic, travel between U.S. and foreign countries, 11436
- Passenger trains, *see* Railroads.
- Passenger vessels, *see* Ships.
- Passengers :  
passenger lists of vessels arriving at—  
Baltimore, 1820-69, quarterly abstracts, 11723  
Boston, 1820-91, 11719  
travel between U.S. and foreign countries, 11436
- Passer, Harold C., address, May 26, 1970, 10868
- Pasteurization :  
irradiated-pasteurized fishery products, maximum shelf life study, radiation chemistry, annual report, 10767  
radiation, of fresh meats and poultry, 10755
- Patents :  
Eastern Utilization Research and Development Division, list, 10681  
international patent cooperation (address), 10866
- Paterson, J. II., analysis of flight test data on C-141A aircraft, 11611
- Pathogens, *see* Micro-organisms.
- Pathology, frontier of clinical pathology, medical technologists, 6 interviews conducted at National Institutes of Health, 11780
- Patterson, James C., jr., exploratory wind-tunnel investigation of wake effect of panel tip-mounted fan-jet engine on lift-induced vortex, 11636
- Patton, David R., fire stimulated aspen sprouting in spruce-fir forest in New Mexico, 11340.
- Pavements, deterioration on interstate highway system, resulting problems, Federal Highway Administration, GAO report, 11381
- Pay, *see* Pay, allowances, etc.—Salaries.
- Pay, allowances, etc. :  
automobile allowances for certain disabled veterans, increase, report, 10986  
Supply Corps and Civil Engineer Corps of Navy former line officers, payment of severance pay, correct inequity, report, 10966  
uniformed services enlisted men appointed officers, no pay reduction, report, 10969

- Payloads:  
   guidance and control payload support requirements for planetary cartographic probe, 11680  
   roll-out clamshell ejection concept for spinning rocket vehicles, equations for study, 11658
- Penalties, criminal, under Sherman anti-trust act, increase, hearings, 11133
- Penn Central Co., accident investigation report, 11316
- Pensions:  
   administration of negotiated pension, health, and insurance plans, major collective bargaining agreements, 11529  
   District of Columbia teachers' retirement amendments of 1970, law, 10923  
   trusts, tax exemption, procedures and qualification under Internal revenue code, 11457  
   veterans—  
     disability compensation rates, increase, report, 10988  
     provided for under obsolete laws, continue pensions, report, 10968  
     service-connected disability, increase rates, report, 11070  
   *see also* Civil service pensions.
- Performance (psychology):  
   do teachers make a difference? 11207
- Performance tests (engineering, mechanical, etc.):  
   computer and engine performance study of generalized parameter fuel control for jet engines, 11689  
   performance and deployment characteristics of twin-keel parawing with various amounts of and permeabilities of porous material in outer lobes, 11651
- Perlite horticultural grade, voluntary product standard, 11749
- Permafrost, Alaska, ground water in permafrost regions, 11399
- Permeability, twin-keel parawing with various amounts and permeabilities of porous material in outer lobes, performance and deployment characteristics, 11651
- Personal property, Defense Department, utilization and marketing handbook, supplement, 11164
- Perry, John M., establishing business in Iran, 10878
- Perry Preschool Project, Ypsilanti, Mich., 11237
- Personnel management, *see* Administrative management.
- Perturbation theory, Hill's method of secular perturbations, discussion of potential application to determination of zero rank effects in nonsingular vectorial elements in planetary motion, 11632
- Peru, economic trends and their implications for United States, 11465
- Pesticides:  
   agricultural commodities containing economic poisons, prohibit importation, hearing, 11017  
   toxicity, to wildlife, handbook, errata, 11889  
   water, 11262
- Pests, regulating shipment, 10697  
   *see also* Insecticides.
- Petroleum:  
   hydrocarbon seeps in thermal areas, north western Wyoming, 11398  
   industry, U.S. 1950-68, changing investment patterns, 11580  
   oil spillage, Santa Barbara, Calif., hearings, 11131  
   Santa Barbara, Calif., offshore oil leasing bills, hearings, 11131
- Pettibone, Marian H., revision of genus *Euthalenessa* Darboux (Polychaeta sigalionidae), 11851
- Pharmaceutical industry, *see* Drugs.
- Phase boundary water in frozen soils, 11251
- Phase diagrams, geometric analysis of four-component phase diagram used as basis for estimation of gamma phase composition in nickel-based superalloys, 11648
- Phase studies:  
   hybrid phase-lock loop, analysis, 11629  
   phase behavior in binary and multicomponent systems, at elevated pressures, n-pentane and methane-n-pentane, 11732
- Philippines, Veterans Administration regional office, operate and maintain, extend authority, report, 11099
- Philosophy, activism, but what kind (address), 10752
- Photochemistry, photochemical oxidants, air quality criteria, 11715
- Photoelectricity, photoelectric-photographic study of normal albedo of moon, 11396
- Photographic surveying, photoelectric-photographic study of normal albedo of moon, 11396
- Photographs, retinal photographs of submariners, measurement of blood vessels, 11571
- Photography, Schlieren, application of 4-microsecond flashing light synchronized with framing of motion-picture cameras, 11682
- PHS, *see* Public Health Service.
- Physician Manpower Division, continuing education program, 11410
- Physicians:  
   aviation medical examiners, directory, 10781  
   Division of Physician Manpower, continuing education program, 11410  
   physician support personnel, selected training programs, 11414
- Physics:  
   atmospheric, problems, collection of papers, 11698  
   comets, studies in astrometry and astrophysics, 11702  
   *see also* Plasma.
- Physiology:  
   of flight, aerospace medicine, 10720  
   vestibular analyzer, 11708
- PI series, 11828
- Piarulli, Vincent J., method for determining characteristic functions associated with aeroelastic instabilities of helicopter rotors in forward flight, 11615
- Piceance Creek basin, Colo., Green River formation lithology and oil shale correlations, 11583
- Pierce, Samuel R., Jr., nomination, hearing, 11120
- Pigs, *see* Swine.
- Pilot plants, *see* types of pilot plants.
- Pilots and pilotage, motion drive signals for piloted flight simulators, 11617
- Pine:  
   loblolly-slash pine plantation growth and yield, 11359  
   loblolly, tool forces and chip formation in orthogonal cutting, 11364  
   longleaf saplings, morphology and length correlated in terminal flushes, 11365  
   ponderosa—  
     cacodylic acid field tested for control of mountain pine beetles, 11351  
     preparing planting sites in Southwest with premergent herbicides, 11354
- Pink salmon, *see* Salmon.
- Pinson, Larry D., evaluation of finite-element analysis for longitudinal vibrations of liquid-propellant launch vehicles, 11655
- Pipe and pipe fittings:  
   acrylonitrile-butadiene-styrene (ABS) plastic pipe—  
     (schedules 40 and 80), voluntary product standard, 11745  
     standard dimension ratio, product standard, 11746

# INDEX

- Pipe and pipe fittings—Continued  
poly (vinyl chloride) (PVC) plastic pipe—  
(schedules 40, 80, and 120), product  
standard, 11747  
standard dimension ratio, voluntary  
product standard, 11748
- Pitch (motion):  
launch vehicle response to winds and opti-  
mal pitch programs, analytic calcula-  
tion, 11667
- Pittsburgh, Pa., area wage survey, 11542
- Planets:  
planetary cartographic probe, guidance and  
control payload support requirement,  
11680  
planetary swager used for tube fabrication,  
summary of studies, 10758  
zero-rank effects in non-singular vectorial  
elements of planetary motion, determi-  
nation, discussion of potential applica-  
tion of Hill's method of secular per-  
turbations, 11632
- Planning:  
industrial mobilization production plan-  
ning manual, 11161  
managing development, implementation  
and operation of model elementary  
teacher education program project re-  
port, 11226  
railroad planning for national defense  
emergencies, 11485  
urban transportation planning system/360,  
general information and introduction,  
11840
- Plant pests, *see* Pests.
- Plant Variety Protection Office, establish,  
hearing, 11103
- Plantations, loblolly-slash pine, growth and  
yield, 11359
- Planting:  
depths affecting emergence and survival of  
winterfat seedlings, 11352  
growing fourwing saltshush transplants for  
field planting, 11356  
*see also* Forest planting.—Tree planting.
- Plants:  
Plant variety protection act, hearing,  
11103  
varieties, proprietary rights of breeders,  
protect, hearing, 11103
- Plants (Industrial):  
defense industrial plant equipment center  
operations, DSA manual, change, 11163  
equipment handbook—  
boring machines, broaching machines,  
gear cutting and finishing machines,  
11159  
motor vehicle maintenance and repair  
shop specialized equipment, 11160  
new industry, how to improve your com-  
munity by attracting, 11188  
poultry processing plant layouts, guide-  
lines, 10690  
*see also* types of industrial plants.
- Plasma:  
high-frequency properties, 10754  
physics and problems of controlled ther-  
monuclear synthesis, 10754  
research literature search, 10766
- Plastics, *see* names of articles made from  
plastics—*also* names of plastics.
- Plates, flat, charts for estimating boundary  
layer transition, 11678
- Plummer, C. W., development of sulfonated  
polyphenylene oxide membranes for reverse  
osmosis, 11448
- Plywood:  
census of manufactures, 1967 industry,  
statistics, 10796  
softwood, construction and industrial,  
standard of trade, amendments, 11742
- Pocket guides, Korea, 11438
- Pohn, Howard A., photoelectric-photographic  
study of normal albedo of moon, 11396
- Poisons:  
Federal hazardous substances act, poison  
prevention law, general information,  
11338  
toxicity of pesticides to wildlife, hand-  
book, errata, 11889
- Police, Government Printing Office, special  
policemen, designate, report, 10953
- Policies for solid waste management, 11875
- Political broadcasting, 1970, hearings, 11043
- Political campaigns, *see* Elections.
- Pollution of air, *see* Air pollution.
- Pollution of water, *see* Water pollution.
- Polychaeta, revision of genus *Euthalenessa*  
Darboux (Polychaeta Sigalionidae), 11851
- Polyesters, *see* Esters.
- Polyethylene, sheeting, construction, indus-  
trial, and agricultural applications, volun-  
tary product standard, 11744
- Polymers and polymerization, visual appear-  
ance of polymeric contamination, 11675  
*see also* Polyethylene
- Polyvinyl chloride, plastic pipe, standard  
dimension ratio, voluntary product  
standard, 11748  
*see also* names of articles made from poly-  
vinyl chloride.
- Polyphenylene oxide, sulfonated polypheny-  
lene oxide membranes, development for  
reverse osmosis, 11448
- Pomatomus saltatrix, *see* Bluefishes.
- Pond, Floyd W., storage does not affect crude  
protein content of forage samples, 11350
- Ponderosa pine, *see* Pine.
- Pony express, saga, 11828
- Poor:  
President's Commission on Income Mainte-  
nance, background papers, 11830  
rural, propensity for change in Mississippi  
Delta, study, 11192
- Population:  
census, 1970—  
preliminary reports, publications order  
form, 10830  
printed reports, summary tapes, 10825  
census publications, price list, 11836  
current population reports—  
consumer buying indicators, 10823-824  
consumer income, series, 10821-822  
population characteristics, series, 10814-  
817  
population estimates, series, 10818-820  
farm, 1969, United States, 10813  
farm, series Census ERS, 10813  
Panama estimates and projections, 10826  
United States estimates, 10818-820  
*see also* Demography.
- Porous materials:  
permeabilities, in outer lobes of twin-keel  
parawing, performance and deployment  
characteristics, 11651  
steady state heat transfer in two dimen-  
sional porous media, analytical method,  
11693
- Port Chilkoot area, Alaska, reconnaissance  
of water resources, 11391
- Porter, Horace G., cotton in Tanzania, 11342
- Porter, Richard F., evaluation of gust-al-  
leviation characteristics and handling  
qualities of free-wing aircraft, 11603
- Portland, Maine, foreign trade zone, estab-  
lish, hearings, 11110
- Ports, port in our changing times (address),  
11309
- Portsmouth, Va., area wage survey, 11541
- Portugal, economic trends and their impli-  
cations for United States, 11478
- Position classification, *see* Classification.
- Possony, Stefan T., testimony, hearing, 11134
- Post Office and Civil Service Committee,  
House:  
hearing, 11054  
reports, 10992, 11085

- Post Office and Civil Service Committee, Senate:  
 hearing, 11142  
 reports, 11083, 11102
- Post Office Department:  
 modernize, report, 11083  
 postal reform system, report, 11083  
 postal reorganization and salary adjustment act of 1970, report, 11083  
 poster, commemorative stamp, 11826-827  
 public information service PI series, 11828
- Postage stamps:  
 commemorative, 6-cent—  
     Maine Statehood (poster), 11826  
     wildlife conservation, 11827
- Postal service:  
 postal employees, salary adjustments for 1970, report, 11083
- Posters:  
 saga of pony express, 11828  
 daily food guide, some choices for thrifty families, 11339
- Post Office Department, commemorative stamps, 11826-827
- Potassium:  
 commercially pure and oxygen-doped tantalum and niobium in, apparent solubilities, 11691  
 corrosion test conducted Cb-12r Rankine system loop, 11602  
 flowing adiabatically through venturi sized as boiler inlet, experimental cavitation and flashing, 11639
- Potomac River, water quality, pollution, etc., hearings, 11116
- Poultry:  
 processing plant layouts, guidelines, 10690  
 processing plants, chemical compounds authorized for use under USDA inspection programs, Hst, 11154  
 radiation pasteurization, 10755
- Poultry processing plants, *see* Poultry.
- Poverty:  
 continues to decline in 1969, advance data from Mar. 1970 current population survey, current population reports, 10822  
 persons and families, Mar. 1970, selected characteristics, 10817  
 President's Commission on Income Maintenance, background papers, 11830  
 propensity for change among rural poor in Mississippi Delta, study, 11192
- Power:  
 Brayton-cycle power generation system using SNAP-8 nuclear reactor as energy source, study, 11641  
 development, public works, appropriations, 1971, hearings, 11022, 11106  
 power technology and the future (remarks), 10777  
*see also* Electricity.
- Power generators, net power output of 2- to 10-kilowatt Brayton rotating cycle, effect of operating parameters, 11661
- Power units, *see* Electric generators.
- Prairie Flat Operation, *see* Operation Prairie Flat.
- Precipitation:  
 liquid, at Voyeykovo, preliminary results of study of errors in measuring, USSR study, 11516  
 substation observations, 11936
- Preschool children, *see* Children.
- Prescriptions, prescription drugs, identification and labeling, provide code system, hearings, 11141
- President of United States:  
 code of Federal regulations, 11319  
 economic report, hearings, 10937  
 papers, index series, 11555  
 papers, Roosevelt, Theodore, index 11555  
 report to Nation, June 30, 1970, 11896
- President's Commission on Income Maintenance, background papers, 11830
- President's Task Force on Aging, toward a brighter future for elderly, report, 11832
- President's Task Force on Economic Growth, report, 11829
- President's Task Force on Low Income Housing, toward better housing for low income families, report, 11833
- President's Task Force on Urban Renewal, urban renewal, one tool among many, report, 11834
- Pressure:  
 distributions and ram-air inflation of attached inflatable decelerator models at Mach 3.0, 11662  
 surface pressures on hemisphere- and cone cylinders in low-density hypersonic flow, 11633  
 XB-70-1 inlet pressure fluctuations during takeoff and prior to compressor stall at Mach 2.5, dynamic analysis, 11669
- Pressure suits, *see* Life support systems.
- Prevention of accidents, *see* Accidents.
- Prices:  
 economic policy and restoration of price stability in United States (remarks), 11324  
 price-wage guideposts, provide, hearing, 11034  
*see also* Supply and demand—*also* names of commodities, etc.
- Primas, James E., records of Department of State relating to internal affairs of Haiti, pamphlet accompanying microcopy, 11724
- Prince of Wales Island, paleozoic stratigraphy in northwest coastal area, 11387
- Prince William Sound, Alaska, biological characteristics of intertidal and freshwater spawning pink salmon at Olsen Creek, 10897
- Printed wiring for electronic equipment, military standard, 11180
- Printing, layouts for flat-bed, rotary, and web press imposition, 11403
- Printing presses, flat-bed, rotary, and web press imposition, layouts, 11403
- Pritchard, E. Brian, lifting entry (L/D ≤ C.2) for unmanned Viking class Mars landers, 11670
- Prizes, *see* Rewards (prizes, etc.).
- Probabilities (mathematics):  
 joint probability method of tide frequency analysis applied to Atlantic City and Long Beach Island, N.J., 11269
- Procedures, *see* Administrative management.
- Procurement, *see* Government contracts.—Military supplies.—Government supplies.
- Production:  
 industrial mobilization production planning manual, 11161  
 procurement, preproduction evaluation (PPE) contracts, 10732  
 research reports, 10702-703  
*see also* names or classes of commodities.
- Products, *see* Commercial products.
- Professional papers, Geological Survey, 11394-399
- Professions, allied health professions personnel advanced training, hearing, 11044
- Profit by your wholesalers' services, 11848
- Profit sharing, tax exemption, procedures and guides for qualification under Internal revenue code, 11457
- Program aid series, 10695-10701
- Programmed instruction:  
 brief of its development and current status, 10848  
 catalog of instructional material, Navy, 11812  
 elementary program in compensatory education intensive reading instructional teams, Hartford, Conn., 11215  
 Les progres de l'instruction publique aux Etats-Unis d'Amerique, 11235
- Progress of public education in United States of America, Russian edition, 11240

# INDEX

- Project Apollo (man-in-space program) :  
 Apollo 13 Review Board, report to administrator, NASA, 11711
- Project Concern, Hartford, Conn., 11217
- Project Head Start, child development program, 10826
- Project R-3, San Jose, Calif., 11244
- Propagation :  
 biological nose propagation characteristics in shallow water regions of Black Sea, USSR study, 11500
- ground wave, in ionized atmosphere with arbitrary variation of conductivity with altitude, 11274
- VLF multimode predictions, theoretical, errata, 11818
- Propellants, liquid propellant launch vehicles, evaluation of finite-element analysis for longitudinal vibrations, 11655
- Property :  
 common and contract carrier, tax assessments, hearing, 11047
- making eligible for standard fire and extended insurance coverage, 11433
- see also* Personal property.
- Protective shelters :  
 buried field shelter, dynamic response, Project LN314, Operation Prairie Flat, errata, 11258
- fallout shelters, qualified analysts, national directory, 10842
- Proteins, crude, content of forage samples unaffected by storage, 11350
- Pseudanthessius, *see* Copepoda.
- Public assistance, *see* Public welfare.
- Public Broadcasting Corporation, \$600,000 environmental grant announcement (remarks), 11203
- Public building, Federal facilities, air quality control region, air pollution report, Hartford, New Haven, Springfield, 11712
- Public contracts, *see* Government contracts.
- Public debt :  
 increase in ceiling—  
 hearing, 11121  
 report, 10959
- Public Documents Division, price list, 11836
- Public health, *see* Health.
- Public Health Service :  
 act, amend—  
 hearing, 11044  
 report, 10989
- commissioned officers, equalization of retirement benefits, law, 10914
- research grants index, 11782
- Public information, Post Office Department, PI series, 11828
- Public Land Law Review Commission, report, one third of Nation's land, 11837
- Public lands :  
 letters relating to, sent by Secretary of Treasury (N series), 1801 78, microcopy, pamphlet to accompany, 11727
- Matanuska-Susitna Borough, development of new lands, 10727
- one third of Nation's land, report to President and Congress for its use, etc., by Public Land Law Review Commission, 11837
- Public laws, *see* Law.
- Public opinion, nuclear reactors and public reaction (remarks), 10776
- Public policy, activism, but what kind (address), 10752
- Public schools, *see* Schools.
- Public utilities, accounts, uniform system, 11315
- Public welfare :  
 personnel, 1969 annual statistical data, 11759
- public assistance—  
 act of 1970—  
 bill form, 11117  
 revision as resubmitted by Administration, 11118
- Public welfare—Continued  
 public assistance—continued  
 adult programs, improve, bill form, 11117
- AFDC study, 1969, preliminary report, 11758
- and related data, graphic presentation, 1969, trend report, 11762
- cases, reasons for opening and closing, 11760
- programs, improve, revision as resubmitted by Administration, 11118
- source of funds expended for payments and cost of administration, services, and training, 11761
- State salary ranges of position, 11405
- Public works :  
 appropriations, 1971, hearings, 11022, 11106
- river basins monetary authorizations, and miscellaneous civil works amendments, report, 11080
- Public Works Committee, House, hearings, 11055-57
- Public Works Committee, Senate :  
 hearings, 11143-146  
 report, 11080
- Publications, *see* Government publications—  
 Military publications—*also* names of departments, etc., issuing publications—  
*also* subjects.
- Puerto Rico :  
 Bauta-Ton Vaca Tunnel, feasibility design report, 11842
- trade study, 11311
- Puerto Rico International Airlines, Inc., accident report, 11800
- Pulpwood, *see* Wood pulp.
- Pulsars, bibliography, 10765
- Pulses, free surface displacement pulses and crater dimensions, effects of explosive properties, 11592
- Pumps, primary loop electromagnetic pump design for reactors, 11612
- Pupils (students), *see* Students.
- Purchasing :  
 consumer buying indicators, series, 10823-824
- Federal buying directory, 11384
- Putre, Henry A. :  
 computer solution of unsteady Navier-Stokes equations for infinite hydrodynamic step bearing, 11630
- improved data agreement using new eddy viscosity equations in coaxial free-jet computer code, 11673

## Q

- Quadrature approximations, Gauss quadrature rules involving some nonclassical weight functions, 11649
- Qualifications for union office, issue of reasonableness in court cases under Labor-Management reporting and disclosure act, 11526
- Quality assurance, quality and reliability assurance handbook, 11185
- Quality control, *see* Subjects.
- Quapaw Indians, land restrictions, extend, report, 10980, 11072

## R

- Rabbits, processing plants, chemical compounds authorized for use under USDA inspection programs, list, 11154
- Race problems, effective human relations commissions, guidelines, organization, membership, budget, staff, goals, programs, 10898



- Radar tracking, severe thunderstorm radar echo motion and related weather events hazardous to aviation operations, 11268
- Radiation :  
employee exposure to alpha radiation in underground uranium mines, controlling, 11573  
irradiated-pasteurized fishery products, maximum shelf life study, radiation chemistry, annual report, 10767  
nuclear, effects on high-reliability silicon power diode, analysis of forward electrical characteristics, 11637  
pasteurization, fresh meats and poultry, 10755  
*see also* Radioactivity—Shielding.  
Radiation chemistry, *see* Radiochemistry.  
Radio broadcast technicians, examination announcement, amendment, 10844  
Radio broadcasting, emergency broadcast system, basic plan, 10841  
Radio frequencies, NBS frequency and time broadcast services, radio stations WWV, WWVH, WWVB, and WWVL, 11735  
Radio operators, transmitting and receiver operator and maintenance technician, examination announcement, amendment, 10845  
Radio stations WWV, WWVH, WWVB, and WWVL, NBS frequency and time broadcast services, 11735  
Radio telephone stations, operation, agreement with Canada, 11066  
Radio waves :  
ground wave propagation in ionized atmosphere with arbitrary variation of conductivity with altitude, 11274  
propagation, VLF, multimode, predictions, theoretical, errata, 11818  
Radioactivation analysis :  
14-MeV neutron generators in activation analysis, bibliography, 11739  
neutron activation for measuring bone calcium content, study to develop, 11618  
bibliography of activation analysis literature—  
oceanography, 11740  
pollution analysis, 11738  
fallout shelters analysts, national directory, 10842  
natural environmental, annotated bibliography, 10771  
Radioactivity :  
radioactive occurrences in United States, selected bibliography, 10762  
*see also* Shielding.  
Radiobiology :  
human, 10774  
USSR periodical, translations, 10753  
Radiochemistry, radiation chemistry applied to irradiated pasteurized fishery products, maximum shelf life, study, 10767  
Radioisotopes, *see* Isotopes.  
Radiotelephone, *see* Radio telephone.  
Railroad accidents :  
investigation reports, 11316-317  
rail-highway grade crossing accidents, 11841  
Railroad crossings, rail-highway grade crossings accidents, 11841  
Railroads :  
Federal railroad safety act of 1969, report, 10996  
interstate commerce act, amend, supplemental hearings, 11048  
passenger train service legislation, proposals, supplemental hearings, 11048  
planning for national defense emergencies, 11485  
railway operating rules, technical manual, change, 10747  
relocating railroad facilities at water resources projects, Engineers Corps, Army, improved guidance needed, GAO report, 11373  
Railroads—Continued  
transportation of hazardous materials, prescribe rules, regulations, etc., report, 10996  
Railway crossings, *see* Railroad crossings.  
Rain, liquid precipitation at Voyeykovo, preliminary results of study of errors in measuring, USSR study, 11516  
Rainbow trout, *see* Trout.  
Raisins, effect of oil treatment on numbers of insects infesting packages, 10679  
Randall County, Tex., soil survey report, 11870  
Range lands, range and wildlife, habitat evaluation, research symposium, 10693  
Range plants, winterfat seedlings, emergence and survival from 4 planting depths, 11352  
Rangelands, *see* Range lands.  
Rankine cycles, Cb-12r Rankine system corrosion test loop, 11602  
Rathdrum Prairie project, East Greenacres unit, construct, operate, and maintain, report, 11090  
Ray, Edward J., buffet and static aerodynamic characteristics of a systematic series of wings determined from subsonic wind-tunnel study, 11656  
Reaction wheels, inertia wheels, experimental investigation of attitude control system that uses star trackers and, 11677  
Reactors (atomic) :  
fast breeder reactor control shield, and reflector materials, development, report, 10756  
geologic environmental map of greater Los Angeles area, Calif., pertinent to nuclear facility siting and design, preliminary, 10768  
nuclear reactors and public reaction (remarks), 10776  
SNAP-8 nuclear reactor as energy source for Brayton cycle power generation system, potential applications, study, 11641  
Reading :  
elementary centers, Milwaukee, Wis., elementary program in compensatory education, 11214  
go! developmental reading (C), Armed Forces Institute manual, 11158  
intensive reading instructional teams, Hartford, Conn., elementary program in compensatory education, 11215  
school and home program, Flint, Mich., compensatory program in elementary education, 11218  
Real estate, Farmers Home Administration loan limitation, increase, hearing, 11019  
Receptors, structures in inner ear of vertebrates, development, 11707  
Recipes :  
tomatoes on your table, 10687  
vegetables in family meals, 10686  
Reclamation Bureau :  
appropriations, 1971, hearings, 11022  
contract for transmission of electric power between Great Falls and Browning, Mont., proposal, hearing, 11130  
report 1969, statistical appendix, 11843  
Reclamation of land, private and public ownership, differentiation, Federal laws, acreage limitation amendments, report, 10998  
Reclamation projects, *see* Reclamation of land—*also* names of projects.  
Reconnaissance (geologic) :  
water resources in Haines-Port Chilkoot area, Alaska, 11391  
Recording employee injuries, 11528  
Records, Government, disposal, amend U.S. Code, report, 11085  
*see also* names of departments, etc.—*also* subjects.

## INDEX

- Recreation :  
 outdoor—  
   balance, discussion of conservation issues (periodical), 11821  
   national scenic and recreation trails, 11824  
   private assistance, directory of organizations providing aid to individuals and public groups, 11825  
   water resource projects, cost sharing grants, hearing, 11018
- Recreational areas and demonstration projects:  
 keep it alive! tips on living history demonstrations, 11795  
 mid-continent memo (periodical), 11823  
 Redevelopment (city planning, etc.):  
 basic laws and authorities, 11025  
 housing and urban development act of 1965, title 7, amend, hearings, 11028  
 urban renewal—  
   areas, neighborhood conservation and rehabilitation, 11434  
   handbooks, 11424-427  
   one tool among many, report of President's Task Force on Urban Renewal, 11834  
   small businessmen's problems, hearings, 11061  
   water in urban planning, Salt Creek basin, Ill., water management as related to alternative land-use practices, 11402
- Reed, John H., remarks, May 2, 1970, 11805
- Reemployment of veterans, *see* Veterans.
- Reemployment rights, *see* Veterans.
- Reese, Aaron W., remarks, June 11, 1970, 11309
- Reference data system, *see* National standard reference data system.
- Reflectors, fast breeder reactor, development, report, 10756
- Reforestation, *see* Forest planting.
- Refractory materials, high temperature materials, ARPA-NBS program of research, 11737  
*see also* Chromite.
- Refractory metals, *see* Metals.
- Refuges, *see* Wildlife refuges—*also* names of refuges.
- Registers :  
 Army—  
   departmental editions, 10748-750  
   document editions, 10942-944  
   Coast Guard Reserve, 10855  
   Naval Academy, Annapolis, 11806  
   Navy and Marine Corps officers—  
     departmental edition, 11816  
     document edition, 10941
- Registration, *see* subjects.
- Regulations, *see* Code of Federal regulations—*also* names of departments, etc., issuing regulations—*also* subjects.
- Rehabilitation, HUD grants and loans to meet insurability requirements in FAIR, plan areas, 11433  
*see also* subjects.
- Rehabilitation of the disabled, State salary ranges of positions, 11405
- Reliability (mechanical) :  
 improvement needed in reliability of Navy manpower and personnel management information system, GAO report, 11375  
 quality and reliability assurance handbook, 11185
- Renegotiation Board, appropriations, 1971, hearings, 11105
- Rent :  
 car rental in U.S.A., 11928  
 low-income housing, income limits, rent, and occupancy handbooks, 11428-429
- Reorganization of Government activities, *see* Government reorganization plans.
- Repair shops :  
 clothing and textile repair shop, mobile, Federal item identification guide, 11169
- Repair shops—Continued  
 motor vehicle maintenance and repair shop specialized equipment, industrial plant equipment handbook, 11160
- Reports, *see* names of departments, etc., issuing reports—*also* subjects.
- Requisitions, MILSTRIP, routing identifier codes, 11181
- Rescue operations, *see* Rescue work.
- Rescue work, national search and rescue manual, amendment, 10856
- Research :  
 and development, State government agencies, 1967 and 1968, science resource studies highlights, 11798  
 building, selected studies applicable to design and construction of health facilities, 11407  
 industrial R & D spending, 1968, science resources studies highlights, 11797  
 nursing, 1955-68 research grants, 11413  
*see also* names of departments, etc., doing research—*also* subjects.
- Research and development reports :  
 Atomic Energy Commission, 10753-771  
 Coal Research Office, 10850-852
- Research and statistics notes, 11859-861
- Research Laboratories, ESSA technical report, ERL-AOML series, 11272  
*see also* names of laboratories or places where located.
- Research papers, Forest Service, 11362-366
- Research reports, Cold Regions Research and Engineering Laboratory, 11250-252
- Reserve components of Armed Forces :  
 facilities, construction appropriations, 1971—  
   hearings, 11023  
   reports, 10951, 10985  
 personnel strengths for 1971, authorization, hearings, 11107
- Reservoirs :  
 new and old Ozark reservoir, thermal, oxygen, and conductance characteristics, 11891  
 outlet works and spillway, Rowlesburg Dam, Cheat River, W. Va., 11257  
*see also* names of reservoirs.
- Resolutions, *see* Law.
- Resource bulletins, Forest Service, 11367-368
- Resource publications (series), 11889-890
- Resource recovery act of 1970, report, 10981
- Resources, *see* Natural resources.
- Respiration :  
 intermittent exposure to 3% CO<sub>2</sub>, effect on respiration, 11570  
 tissue respiration of rainbow trout and channel catfish, effects of Antimycin A, 11878
- Respiratory equipment, respirator filter penetration using sodium chloride aerosol, 11588
- Restraint apparatus, later (+Gy), rearward facing (+Gx), and forward facing (-Gx) body orientations, experimental comparison of trauma when restrained by lap belt only, 10780
- Retail trade :  
 annual sales, year-end inventories, and accounts receivable of retail stores, by kind of business, current business reports, 10812  
 census of business, 1967, merchandise blue sales, 10785-794
- Retailers, food stamp program, guide, 10695
- Retina, retinal photographs of submariners, measurement of blood vessels, 11571
- Retirement :  
 Federal-State employees, credit under Civil service retirement act, allow, hearing, 11142  
 Foreign Service career ministers, lower mandatory retirement age, report, 11096  
 planning and conducting pre-retirement seminars, 11863

Retirement—Continued  
 public employee retirement systems, 1969, benefits and beneficiaries, 11859  
 Public Health Service, commissioned officers, equalization of retirement benefits, law, 10914  
 your social security, 11864  
*see also* Civil service pensions—Pensions.  
 Reverse osmosis process, *see* Osmosis.  
 Reward (prizes, etc.):  
 1970 Lenin prize competition in science and technology, USSR study, 11519  
 Reynolds number, effect on overall performance of 6-inch radial bladed centrifugal compressor, 11645  
 Rhode Island:  
 county business patterns, 10808  
 landings, fish and shellfish, 10887  
 Rice:  
 alternative government programs, economic evaluation, 11193  
 food grain statistics, supplement, 10706  
 Richardson, Elliot L., nomination, hearings, 11119  
 Rinderpest, highly contagious disease of cattle, 10699  
 Rivers:  
 basin plans, additional authorizations, report, 11000  
 water quality studies of streams, practical guide, 11334  
 Riverfront reclamation project, inclusion in Missouri River Basin project, hearings, 11040  
 Riverfront extension units, *see* Missouri River Basin project.  
 Roads and highways:  
 deterioration of pavement on Interstate system, resulting problems, Federal Highway Administration, GAO report, 11381  
 Federal-aid highway program, status report, hearing, 11144  
 highway safety program for the seventies (remarks), 11805  
 nonskid road or runway, disclosure report, 11741  
 Roasting (minerals):  
 magnetic roasting and leaching for upgrading Minnesota manganiferous iron ores, 11595  
 Robbins, David, disclosure on viscous camped wind vane, nonskid road or runway, etc., 11741  
 Robertson, J. L., remarks, June 16, 1970, 11330  
 Rock, Robert L., controlling employee exposure to alpha radiation in underground uranium mines, 11573  
 Rock Springs, Wyo., oil-shale fracturing tests, evaluation, 11584  
 Rockets:  
 Apollo-Saturn V launch vehicle, application of analysis and models to structural dynamic problems, 11672  
 meteorological rocket sounding systems, 30KM to 200KM, study literature and data review, 11604  
 roll-out clamshell ejection concept for spinning rocket vehicles, equations for study, 11658  
 Saturn V programs, structural dynamic technology advancements, 11608-609  
 Rocks:  
 Appalachian area oil-producing formations, lithologic descriptions, 11581  
 Green River formation lithology and oil shale correlations in Piceance Creek basin, Colo., 11583  
 Rocky Mountain Forest and Range Experiment Station, publications, 11369  
 Rocky Mountains, central, Engelmann spruce seedlings survival affected by shading and other factors, 11353  
 Rodenticides, act, amend, hearing, 11017

Rogue River basin project:  
 Marlin division, construct, operate, and maintain—  
 law, 10930  
 report, 11074  
 Role of Federal agencies in crime and delinquency field, 11778  
 Ronco, Frank, shading and other factors affect survival of planted Englemann spruce seedlings in central Rocky Mountains, 11353  
 Ronisvalli, L. J., study of irradiated-pasteurized fishery products, maximum shelf life study, radiation chemistry, 10767  
 Roof supports, *see* Mine props.  
 Roosevelt, Theodore, papers, index, 11555  
 Rotary inductosyn tests USSR study, 11515  
 Rotation energy levels and rotational line intensities in diatomic molecules, calculation, 11731  
 Rotors:  
 helicopters, aeroelastic instabilities, method for determining characteristic functions associated with forward flight, 11615  
 modified tandem rotor blade, performance evaluation, 11621  
 rotor blade-vortex interaction, experimental study, 11613  
 Rough, Robert L., lithologic descriptions of Appalachian area oil-producing formations, 11581  
 Routing, MILSTRIP, identifier codes, 11181  
 Rowlesburg Dam, Cheat River, W.Va., spillway and outlet works, 11257  
 Rugs, Wilton, Brussels etc., Tariff Commission report, 11911  
 Rules and Administration Committee, Senate:  
 hearing, 11147  
 reports, 11071, 11081  
 Rules Committee, House:  
 reports, 10950-951, 11013  
 Runways (aeronautics):  
 nonskid road or runway, disclosure report, 11741  
 response of several turbojet airplanes to roughness, 11640  
 Rural communities small businessmen's problems, hearings, 11061  
 Rural Electrification Administration, annual report, 11845  
 Rural poverty, *see* Poverty.  
 Rural redevelopment, Iowa rural renewal area, economic analysis, 11190  
 Russell, Harold, remarks, June 7-9 1970, 11831  
 Russo, Robert S., air pollution report. Federal facilities Hartford, New Haven, Springfield, interstate air quality control region, 11712  
 Rwanda, economic trends and their implications for United States, 11469  
 Rye, food grain statistics, supplement, 10706

## S

SAFEGUARD antiballistic missile program, *see* Missiles.  
 Safety belts, lateral (+Gy), rearward-facing (+Gx), and forward-facing (-Gx) body orientations, experimental comparison of trauma when restrained by lap belts only, 10780  
 Safety of life:  
 coal program, 1969, Mines Bureau, review, 11582  
 Federal consumer safety legislation, automobile safety, flammable fabrics, etc., 11767  
 Federal railroad safety act of 1969, report, 10996  
 highway safety program for the seventies (remarks), 11805  
 industrial safety accident prevention handbook, Air Force manual, 10719  
 National traffic and motor vehicle safety act of 1966, amend, law, 10925

# INDEX

Safety of life—Continued  
 Occupational health and safety act, report, 11014  
 occupational safety aid, 11528  
 occupational safety and health act of 1970, hearings, 11140  
 transportation by railroad of hazardous materials, prescribe rules, regulations, etc., report, 10896  
 Safford, Ariz., soil survey report of area, 11871  
 Saga of pony express, 11828  
 Sagus Iron Works National Historic Site, general information, 11794  
 Salad oil, *see* Oils.  
 Salaries:  
   labor union membership in 1966, advance report based on data from 1967 survey of economic opportunity, 10815  
   postal employees, salary adjustments for 1970, report, 11083  
   State, salary ranges of positions in employment, security, etc., 11405  
 Sales, firm electric power for resale, 1965-68, by private electric utilities, by Federal projects, 11312  
   *see also* names of commodities, etc.  
 Saline water, *see* Sea water—Water.  
 Saline Water Office, report, 11440  
 Salmon:  
   intertidal and fresh-water spawning pink salmon at Olsen Creek, Prince William Sound, Alaska, biological characteristics, 10897  
   sockeye, ocean circulation and distribution, 10890  
 Salt, sodium chloride aerosols, used in respirator filter penetration, 11588  
   *see also* Brines.  
 SALT (Strategic Arms Limitation Talks), *see* Disarmament.  
 Salt Creek Basin, Ill., water in urban planning, 11402  
 Saltbush:  
   fourwing saltbush—  
     transplants, growing for field planting, 11356  
     Southwest, germination and establishment, 11363  
     survival after inundation, 11355  
 Saltzman, Edwin J., some turbulent boundary layer measurements obtained from forebody of airplane at Mach numbers up to 1.72, 11674  
 San Francisco Bay:  
   aircraft accident report, 11790  
   estuary—  
     movement of seabed drifters, 11393  
     water circulation effects of, fresh-water inflow on flushing, 11393  
 San Jose, Calif., Project R-3, secondary program in compensatory education, 11244  
 San Juan, P.R., aircraft accident, 11800  
 San Miguel County, Colo.:  
   geologic investigations in Slick Rock district (series), 11395  
   Slick Rock district and vicinity, structure, 11395  
 Sand Lake National Wildlife Refuge, birds, list, 11881  
 Sanitation:  
   meat plants, weak enforcement of Federal standards by Consumer and Marketing Service, GAO report, 11383  
   Soviet research, 11502  
 Santa Barbara, Calif.:  
   offshore oil leasing bills, hearings, 11131  
   oil spillage, hearings, 11131  
 Santos, Elmer S., stratigraphy of Morrison formation and structure of Ambrosia Lake district, N. Mex., 11386  
 Sap, maple, concentration, reverse osmosis plant, 10680  
 Satellites:  
   artificial, motion in eccentric gravitation field, 11697

Satellites—Continued  
 communications, foreign policy implications, hearings, 11033  
 Interkosmos-1 satellite in orbit, USSR study, 11495  
 ITOS night-day meteorological satellite, general information, 11600  
 meteorological satellite data, ESSA 7 television cloud photography, catalog, 11277  
 Saturn (rocket), *see* Rockets.  
 Saudi Arabia, economic trends and their implications for United States, 11468  
 Savannah (nuclear ship):  
   costs of operating, GAO report, 11371  
 Savannah National Wildlife Refuge, birds, list, 11884  
 Savings and thrift, thrift institution development in Latin America, study, 10939  
 SBA, *see* Small Business Administration.  
 Scales (measures):  
   crater scalling in granite for small charges, 11594  
 Schaefer, Karl E.:  
   displacement of oxygen dissociation curves and red cell cation exchange in chronic hypercapnia, 11567  
   effect of intermittent exposure to 3% CO<sub>2</sub> on respiration, 11570  
 Schalock, H. Del., plan for managing development, implementation and operation of model elementary teacher education program, 11226  
 Scherrer, Victor E., laser breakdown of copper vapor, 11679  
 Schlieren photography, *see* Photography.  
 Schmidt, Stanley F., motion drive signals for piloted flight simulators, 11617  
 Schnellbacher, E. E.:  
   addresses—  
     May 27, 1970, 11460  
     June 18, 1970, 11461  
 Schoen, Alan H., infinite periodic minimal surfaces without self-intersections, 11628  
 Schoettger, Richard A., effects of Antimycin A on tissue respiration of rainbow trout and channel catfish, 11878  
 School lunches, National school lunch act, amend, law, 10909  
 Schools:  
   elementary and secondary schools, science and mathematics books, 11241  
   elementary program in compensatory education, New York City, 11213, 11216  
   enrollment, 1969, population characteristics, advance data, 10814  
   local public school systems, 1968 statistics, schools, pupils, and staff, 11245  
   nonteaching employees, industry wage survey, 11547  
   public elementary and secondary day schools, 1968-69 directory—  
     North Atlantic region, 11204  
     West and Southwest region, 11205  
   school and home program, Flint, Mich., compensatory program in elementary education, 11218  
   *see also* Education—also Junior high schools.  
 Schubert, Gilbert H., artificial reforestation practices for Southwest, 10682  
 Schuller, Frederick T., experiments on stability of water-lubricated three-sector hydrodynamic journal bearings at zero load, 11642  
 Schwarz, Francis C., series capacitor inverter-converter for multikilowatt-power conversion, 11696  
 Science:  
   Leninist principles of management in age of scientific and technical revolution, 11505  
   1970 Lenin prize competition, USSR study, 11519  
   science and mathematics books for elementary and secondary schools, 11241

Science—Continued  
 science and technology rededicated (address), 10778  
 science resources studies highlights, 11797-798  
 scientific and technical revolution, relationship to management, USSR study, 11511  
*see also* names of sciences.  
 Science and Astronautics Committee, House, hearings, 11058-59  
 Science and Technology Office, appropriations, 1971, hearings, 11105  
 Scientific research, research grants of PHS, 1969, index, 11782  
 Scombroids, fishes from southeast Florida, size, seasonal abundance and length-weight relation, 10896  
 Scrap, secondary gold in United States, 11574  
 SDL, *see* Space Disturbances Laboratory.  
 SDR (Special Drawing Rights), *see* International Monetary Fund.  
 Sea, *see* Ocean.  
 Sea grant colleges, *see* Colleges and universities.  
 Sea nettles, *see* Jellyfish.  
 Sea transportation, *see* Transportation.  
 Sea water:  
   desalination, report, 11440  
   desalting as emergency water supply for New York City, study, 11450  
   desalting, literature 1969, bibliography, 11449  
   desulfating process pilot plant, supervision, construction, and evaluation, 11451  
 Seaborg, Glenn T.:  
   addresses, etc.—  
     May 25, 1970, 10773, 10776  
     May 26, 1970, 10779  
     June 3, 1970, 10752  
     June 4, 1970, 10775  
     June 13, 1970, 10778  
 Search for solitude, our wilderness heritage, 10698  
 Seasonal labor, migrant and seasonal farm-worker powerlessness, hearings, 11139  
 Seattle, Wash., area wage survey, 11534  
 Seawater, *see* Sea water.  
 Secondary education:  
   compensatory program, 11220, 11242  
   junior high summer institutes, New York City, 11243  
   elementary and secondary education act, amendments—  
     hearings, 11032  
     law, 10920  
 Secondary schools, *see* High schools.  
 Securities and Exchange Commission, appropriation, 1971, hearings, 11105  
 Security, *see* National security.  
 Sedgewick, Charles H. W., tobacco products, 10795  
 Sedimentation and deposition, field methods for measurement of fluvial sediment, 11400  
 Seeding, *see* Forest planting.  
 Seedlings:  
   Engelmann spruce, plant, affected by shading and other factors, in central Rocky Mountains, 11353  
   winterfat, emergence and survival from 4 planting depths, 11352  
 Seldner, Kurt, computer and engine study of generalized parameter fuel control for jet engines, 11689  
 Selective Service System, appropriations, 1971, hearings, 11105  
 Sellers, Walter E., jr., labor used on U.S. farms, 1964 and 1966, 10708  
 Selling, *see* Markets and marketing.  
 Semiconductors:  
   electronics, yesterday, today and tomorrow, USSR study, 11518  
   mercury-transformer and semiconductor substations, USSR study, 11507

Semiconductors—Continued  
 semiconductor materials, process control, and devices, methods of measurement, errata, 11736  
 Seminars, *see* Conferences, congresses, etc.  
 Senate documents, 11063-64  
 Senate executive reports, 11066-68  
 Senate reports:  
   private bills, 11069  
   public bills, 11070-102  
 Senior citizens, *see* Aged.  
 Separation processes, mineral separation in vacuum, factors related, 11589  
 Sequoyah County, Okla., soil survey report, 11872  
 Serial set (congressional), 10903-905  
 Serials, MARC format, 11556  
 Servicemen, *see* Armed forces.  
 Severe Storms Laboratory, *see* National Severe Storms Laboratory.  
 Sewage, combined sewer overflow abatement technology, symposium proceedings, 11335  
 Sewers, *see* Sewage.  
 Shad, threadfin, identification by gizzard dimensions, 11811  
   *see also* Gizzard shad.  
 Shapiro, Harold, visual appearance of polymeric contamination, 11675  
 Sharma, D. N., Hindi, active introduction, 11898  
 Shawe, Daniel R., structure of Slick Rock district and vicinity, San Miguel and Dolores Counties, Colo., 11395  
 Shedd, Edward S., electrowinning misch metal from treated bastnaesite concentrate, 11585  
 Sheeting, polyethylene sheeting, construction, industrial and agricultural applications, voluntary product standards, 11744  
 Shellac, disposal from national and supplemental stockpile, report, 11000  
 Shellfish:  
   Georgia landings, 10882  
   Texas landings, 10883  
   Washington State landings, 10884  
 Shells (structural):  
   slender thin-walled booms, instability due to thermally induced bending moments, 11646  
 Shelters (protective), *see* Protective shelters.  
 Shenk, Faye, career indications among junior officers, 10711  
 Sherman antitrust act, *see* Trusts (industrial).  
 Shielding, fast breeder reactor, developments, report, 10756  
 Ship Structure Committee, serial no. SSC, 11846  
 Shipbuilding, modernization of design, construction, etc. (remarks), 11561  
 Shipments:  
   chemical data guide for bulk shipment by water, 10854  
   military cargo, opportunity for savings by improved selection of air carriers for transporting, GAO report, 11378  
   regulating shipment of living pests, pathogens, and vectors, 10697  
 Ships:  
   Coast Guard, authorization for procurement, law, 10921  
   military procurement appropriations, 1971, authorization, hearings, 11107  
   ocean cruise vessels, operating differential subsidy, remove certain limitations, law, 10911  
   passenger lists of vessels arriving at—  
     Baltimore, quarterly abstracts, pamphlet to accompany microscopy, 11723  
     Boston, 1820-91, pamphlet to accompany microscopy, 11719  
   shrimp vessels, foreign repairs, exempt from duty, report, 10904  
   *see also* names of ships.

# INDEX

- Shirts, and trousers, Federal Item Identification guide, 11178
- Shivers, James P., full-scale wind tunnel investigation of static longitudinal and lateral characteristics of light single engine low wing airplane, 11681
- Shock (mechanical):  
 shock effects on frozen materials, exploding wire experiments, 11252
- Shock waves, shapes and surface pressures on hemisphere and cone cylinders in low density hypersonic flow including ablation, 11633
- Shoes, *see* Boots and shoes.
- Shoulders, Eugene, growth and yield of mixed loblolly-slash pine plantation, 11359
- Showman, Robert D., experimental investigation of attitude control system that uses star trackers and inertia wheels, 11677
- Shrimps, shrimp vessels, foreign repairs, exempt from duty, report, 10964
- Siciliano, Rocco C.:  
 addresses, etc.—  
     June 16, 1970, 10867  
     June 30, 1970, 10881
- Slegel, Robert, analytical method for steady heat transfer in two-dimensional porous media, 11693
- Siehl, George, how can our physical environment best be controlled and developed? 11063
- Siglonidae, *see* Polychaeta.
- Signals:  
 human operator state, 11705  
 hybrid phase-lock loop, analysis, 11629  
 motion drive signals for piloted flight simulators, 11617
- Sikand, Harmohan S., supersonic flutter of thermally stressed flat plate with edge stiffeners, 11614
- Silicon diodes, silicon power diode, analysis of forward electrical characteristics, effects of nuclear radiation, 11637
- Silk, and waste and intermediate products of silk, trade and tariff information, summaries, 11908
- Silver:  
 geochemical investigations at Stibnite, Idaho, 11596  
 potential and economic aspects of Leadville district, Lake County, Colo., 11576
- Silver certificates, outstanding, adjustment, report 11095
- Simulation, predictions of inlet unstart and buzz compared with XB-70 flight test data, 11625
- Simulators, instrument landing approach for heavy subsonic jet transport with external-flow jet-flap system used for additional lift, study, 11686  
*see also* Flight simulators.
- Singapore, economic trends and their implications for United States, 11477
- Sioux Indians, Mississippi, judgment funds, disposition, report, 10977  
*see also* Fort Peck Reservation.
- Skartvedt, Enoch W., foreign trade regulations of Trinidad & Tobago, 10874
- SL series, 10893-895
- Slag, slagging fixed-base gasification of North Dakota lignite at pressures to 400 psig, 11593
- Slash pine, *see* Pine.
- Slaughtering, custom operations, report, 11086
- Sleeper, Robert K., stability study and modal analysis of space station centrifuge configuration, 11654
- Slick Rock district:  
 and vicinity, San Miguel and Dolores Counties, Colo., structure, 11395  
 geologic investigations in San Miguel and Dolores Counties, Colo. (series), 11395
- Slip laws, *see* Law.
- Small, William J., aerodynamic characteristics of hypersonic transport configuration at Mach 6.86, 11695
- Small business, *see* Business.
- Small Business Administration, publications, free management assistance publications, list, 11847
- SBA lease guarantee, Old Dominion Sugar Corp., hearings, 11150
- Small Business, Select Committee on, House:  
 hearings, 11060-61  
 report, 10984
- Small Business, Select Committee on, Senate, hearings, 11148-149
- Smelting, electric-furnace smelting processes, methods for studying, improving, and optimizing 11578
- Smith, H. Clay, bark thickness related to tree diameter in sugar maple, *Acer saccharum* Marsh), 11347
- Smith, James L., shock effects on frozen materials, exploding wire experiments, 11252
- Smithsonian Institution:  
 amendments, hearings, 11147  
 appropriations, additional, authorize, hearings, 11147  
 citizen regents of Board of Regents, additional members, appoint, hearing, 11147  
 citizen regent of Board of Regents, appointment of James Edwin Webb, law, 10916  
 contributions to botany, 11849  
 contributions to zoology, 11850-852  
 financial management activities, improvement needed, GAO report, 11374  
 general information, 11853  
 museum support and depository facilities, construction, authorize, hearing, 11147
- SNAP (systems for nuclear auxiliary power), *see* Atomic auxiliary power generators.
- Snieszko, S. F., selected fish disease publications in English, 11877
- Snyder, Richard G., experimental comparison of trauma in lateral (+Gy) rearward-facing (+Gx), and forward-facing (-Gx), body orientations when restrained by lap belt only, 10780
- So you want to get involved, 11452
- Social and Rehabilitation Service, appropriations, 1971, hearings, 11021
- Social mobility, *see* Mobility.
- Social problems, *see* Society.
- Social processes, *see* Society.
- Social security:  
 act, amend—  
     bill form, 11117  
     revised and resubmitted by Administration, 11118  
 benefits disability, find out if you are eligible, 11868  
 life insurance in force, estimated amount as survivor benefits under social security program, 11855  
 program, trust fund surpluses and fiscal neutrality, 11861  
 research and statistics notes, 11859-861  
 your social security, 11864  
*see also* Public welfare.
- Social Security Administration:  
 actuarial notes, 11855-856  
 appropriations, 1971, hearings, 11021  
 SSI series, 11862-868
- Social workers, public welfare personnel, 1969 annual statistical data, 11759
- Society, half-truths can make us slaves (address), 10869
- Sockeye salmon, *see* Salmon.
- Sodium chloride, *see* Salt.
- Softwoods, plywood, construction and industrial, standard of trade, amendments, 11742

- Soils:  
 frozen soils, phase boundary water, 11251  
 how tree grows, 11343  
 soil survey investigations report, 11873  
 soil survey laboratory data and descriptions, Nevada, 11873  
 soil survey reports—  
 Randall County, Tex., 11870  
 Stafford area, Ariz., 11872  
 Sequoyah County, Okla., 11872  
 Solar energy, concentrator, modified whirling-membrane, geometric properties, 11683  
 Soldiers, first aid, field manual, 10734  
 Solid wastes, see Waste products.  
 Solubility, apparent solubilities of commercially pure and oxygen-doped tantalum and niobium in liquid potassium, 11691  
 Sonic boom, characteristics in extreme near field of complex airplane model at Mach numbers of 1.5, 1.8, and 2.5, 11644  
 Soriano, Frank S., records of Department of State relating to political relations between United States and Netherlands and between Netherlands and other States, pamphlet accompanying microcopy, 11725  
 SOS, see Space Operations Support Division.  
 Sound:  
 acoustic tests of flexible spacecraft model, 11622  
 surrounding structure effects on sonic fatigue, investigation, 11606  
 Sounding and soundings, meteorological rocket sounding systems, 30MK to 200 KM. study, literature, and data review, 11604  
 Sounding rockets, see Rockets.  
 South, Aloha, records of Headquarters of Army, 11718  
 South (U.S.):  
 forest fire occurrence, 11357  
 southern hardwood stands, tree-character relations, 11358  
 South Asia, see Asia.  
 South Bend, Ind., area wage survey, 11544  
 South Carolina, climate, 11266  
 South Dakota, census of business, retail trade, merchandise line sales, 10793  
 Southeastern Power Administration, appropriations, 1971, hearings, 11022  
 Southwest (U.S.):  
 artificial reforestation practices, 10682  
 fourwing saltbush in Southwest, germination and establishment, 11363  
 preemergent herbicides for planting ponderosa pine, 11354  
 public elementary and secondary day schools, 1968-69, directory, 11205  
 Southwestern Power Administration, appropriations, 1971, hearings, 11022  
 Soybean salad oil, effects of storage temperatures on quality, 10689  
 SP series, see Federal Maritime Commission—Maritime Administration—National Aeronautics and Space Administration—Naval Oceanographic Office.  
 Space, see Outer space.  
 Space Disturbances Laboratory, ESSA technical report, ERL-SDL series, 11275  
 Space environment, see Environment.  
 Space flight, see Astronautics.  
 Space missions, role of vestibular organs in space exploration, symposium, 11626  
 Space Operations Support Division, ESSA technical memorandum, WBTM SOS series, 11271  
 Space publication SP series, 11810  
 Space stations, centrifuge configuration, stability study and modal analysis, 11654  
 Spacecraft:  
 aerospace vehicle structures, metallic materials and elements, military handbook, change, 11179  
 Apollo-Saturn V launch vehicle, application of analysis and models to structural dynamic problems, 11672  
 attitude control system that uses star trackers and inertia wheels, experimental investigation, 11677  
 flexible model, acoustic tests, 11622  
 launch vehicle response to winds, analytic calculation and calculation of optimal biased pitch programs, 11667  
 Liquid-propellant launch vehicles, evaluation of finite element analysis for longitudinal vibrations, 11655  
 systems, computerized onboard expedition monitor and maintenance analyst (EMMA), 11634  
 unmanned Viking class Mars landers, lifting entry (L/D=C.2), 11670  
 Spacecraft accidents, Apollo 13, Apr. 1970, report of review board, 11711  
 Spacecraft recovery, water recovery systems, university role in astronaut life support systems, 11624  
 Special Drawing Rights, see International Monetary Fund.  
 Specifications, see Government supplies.  
 Spectrometers, gamma ray, single crystal high resistivity cadmium telluride for use as, research and development, 10763  
 Spectrometry, Mossbauer effect spectrometry for analysis of iron compounds, 10760  
 Speech, speech and language development program, Milwaukee, Wis., elementary program in compensatory education, 11219  
 Speed, see Air speed.  
 Spencer, John D., review of Bureau of Mines coal program, 11582  
 Spheres, subsonic sphere drag, measurement of non-continuum and turbulence effects, 11616  
 Spheroids:  
 Australian national spheroid (meters) UTM grid tables for latitudes 0°-80° transformation of coordinates from grid to geographic, 10741  
 Clarke 1880 spheroid meters UTM grid tables for latitude 0°-80° transformation of coordinates from grid to geographic, 10740  
 Spleker, Andrew M., water in urban planning, Salt Creek basin, Ill., etc., 11402  
 Spikes, see Nails and spikes.  
 Spillways, and outlet works, Rowlesburg Dam, Cheat River, W. Va., 11257  
 Spironello, Victor R., methods for studying, improving, and optimizing electric-furnace smelting processes, 11578  
 Sport Fisheries and Wildlife Bureau:  
 refuge leaflets, 11880-888  
 resource publication (series), 11889-890  
 technical papers, 11891-893  
 wildlife research, problems, programs, progress, 11890  
 Springfield, H. W.:  
 emergence and survival of winterfat seedlings from 4 planting depths, 11352  
 germination and establishment of fourwing saltbush in Southwest, 11363  
 Springfield, Mass., air quality control region, Federal facilities, air pollution report, 11712  
 Springs, hydrocarbons in thermal areas, northwestern Wyoming, 11398  
 Spruce:  
 Engelmann, planted seedlings affected by shading and factors, in Central Rocky Mountains, 11353  
 fir forest in New Mexico with fire stimulated aspen sprouting, 11349  
 SSI series, 11862-868  
 Stability, thermal, of modified water, USSR study, 11513  
 Stability of aircraft:  
 aerodynamic characteristics of hypersonic transport configuration at Mach 6.86, 11695

# INDEX

## Stability of aircraft—Continued

aeroelastic instabilities, method for determining characteristic functions associated with helicopter rotors in forward flight, 11615

static longitudinal and lateral characteristics of light single-engine low-wing aircraft, wind tunnel investigation, 11681

## Stability of spacecraft:

instability of slender thin walled booms due to thermally induced bending moments, 11646

space station, centrifuge configuration, study and modal analysis, 11654

Stabilization, national economic stability threatened by price and wage behavior, hearing, 11034

Stagnation point, coupled viscous-radiating flow, with massive blowing, analysis, 11610

Stainless steel, austenitic 19-9DL and 12R72HV effect of thermal-mechanical treatments, 10757

Stallans, T. J., quarterly abstracts of passenger lists of vessels arriving at Baltimore, 1820-69, pamphlet accompanying microscopy, 11723

Standard reference data system, see National standard reference data system.

Standards and Conduct, Select Committee on, Senate, report, 11082

## Standards and standardization:

air pollution, national emission standards study, report, appendixes, 11717

innovation in measurement (address), 10870

military standards, 11180

voluntary product standard PS (series), 11742-749

see also subjects.

## Stans, Maurice H.:

addresses—

May 19, 1970, 10865

May 25, 1970, 10866

May 27, 1970, 10862

June 9, 1970, 10880

June 11, 1970, 10863

June 15, 1970, 10844

Stanton, Beryl, farmer cooperatives, farm business tools, 10684

Staphylococcus, in food products, rate of enterotoxin production by, USSR study, 11509

Star trackers, experimental investigation of attitude control system that uses star trackers and inertia wheels, 11677

Starting devices, ballasts and starters, Federal item identification guide, 11167

## State Department:

international information and cultural series, 11899

records, microcopy, pamphlet to accompany—

internal affairs of—

Haiti, 1910-29, 11724

India and Burma, 1910-29, 11721

political relations—

between China and other States, 1910-29, 11722

with Netherlands, and between Netherlands and other States, 1910-29, 11725

State governments, see Government.

## States:

abortion laws, 11937

all States income tax guide, information for service personnel, 11522

climates, 11264-266

dentist manpower reports, 1965-67, compilation, 11409

Federal grants, construction of facilities for persons affected by mental retardation and other developmental disabilities, hearings, 11046

governments, finances, 10829

meat inspection services, report, 11086

## States—Continued

private and public ownership of lands, differentiation, Federal reclamation laws, acreage limitation amendments, report, 10998

salary ranges of positions in employment security, etc., 11405

State urban information and technical assistance services, 1st 6 months, report, 11418

student aid programs, 11064

tax discrimination against interstate carrier property, hearing, 11047

Static, aerodynamic characteristics, etc., of systematic series of wings determined from subsonic wind-tunnel study, 11656

Statistical publications, see names of departments, etc., issuing publications.

Statistics, see Vital statistics—also subjects. Statutes, see Law.

Staylor, W. Frank, flow-field investigation for large-angle cones with short spikes at Mach number of 9.6, 11643

Steady state, see Equilibrium.

Steam boilers, see Boilers.

Stecura, Stephan, apparent solubilities of commercially pure and oxygen-doped tantalum and niobium in liquid potassium, 11691

Steel, neutron-irradiated A537-B and A350-LF2 weldments, sharp-V notch ductility characteristics, 11819

Steele, E. Boyd, abortion laws, 11937

Stevens, Mary E., overall system design considerations, selective literature review, research and development in computer and information sciences, 11730

Stevenson, John R., U.S. military actions in Cambodia, questions of international law, 11895

Stevick, Earl W., Luganda language, pre-training program, 11900

Stewart, Thomas L., analysis of hybrid phase-lock loop, 11629

Stibnite, Idaho, geochemical investigations for gold, antimony, and silver, 11590

Stickney, Alden P., night lighting for herding, old technique may have new possibilities, 10892

## Stiffeners (aircraft):

thermally stressed flat plate with edge stiffeners supersonic flutter, 11614

Stocker, Marion K., child care and guidance, suggested post high school curriculum, 11202

Stockpiling, see Strategic materials.

Stocks, bonus plans, tax exemption, procedures and guide for qualification under Internal revenue code, 11457

Stone Mountain, commemorative medals, carvings depicting heroes of Confederacy, law, 10915

Stone Mountain Memorial Foundation, commemorative medals of carvings on Stone Mountain depicting heroes of Confederacy, authorize, law, 10915

## Storage:

effects of storage temperatures on quality of—

cottonseed salad oil, 10688

soybean salad oil, 10689

forage samples crude protein content unaffected by storage, 11350

Stores, retail, annual sales, year-end inventories, and accounts receivable, by kind of business, 10812

Storms, forecasting, horizontal moisture convergence and convective cloud formation relationship, 11267

Strack, William C., condensers and boilers for steam-powered cars, parametric analysis of their size, weight, and required fan power, 11660

Strainer elements, Federal item identification guide, 11173



- Strains and stresses :  
 metallic materials and elements for aerospace vehicle structures, military handbook, change, 11179  
 performance of 75-millimeter-bore bearings to 1.8 million DN with electron-beam-welded hollow balls, 11653  
 surrounding structure effects on sonic fatigue investigations, 11606  
 tensile strength of 19-9DL and 12R72HV austenitic stainless steels, effect of thermal mechanical-treatments, 10757  
 thermally stressed flat plate with edge stiffeners, supersonic flutter, 11615
- Strategic Arms Limitation Talks, *see* Disarmament.
- Strategic materials :  
 disposal from national and/or supplemental stockpile of—  
   asbestos, chrysotile, report, 11012  
   bauxite, surinam-type metallurgical grade, report, 11007  
   bismuth, report, 11004  
   cadmium, report, 11002  
   castor oil, report, 11005  
   chromite refractory grade, report, 11011  
   cobalt, report, 11010  
   corundum, report, 11003  
   fluorspar, acid grade, report, 11006  
   graphite natural Ceylon amorphous lump, report, 11001  
   manganese ore, chemical grade, reports, 10999, 11009  
   shellac, report, 11000  
   tungsten, report, 11008
- Stratigraphy :  
 Morrison formation, and structure of Ambrosia Lake district, N. Mex., 11386  
 paleozoic, in northwest coastal area of Prince of Wales Island, southeastern Alaska, 11387  
 uppermost Cretaceous and Tertiary stratigraphy of Fossil basin, southwestern Wyoming, 11397
- Streams, *see* Rivers.
- Streets, Omnibus crime control and safe streets act of 1963, amend, hearings, 11050
- Strikes and lockouts, work stoppages, final tabulations, 11550
- Structural design, *see* Architecture.
- Structural dynamics, *see* Dynamics.
- Structural engineering, *see* Building.
- Structures, *see* Strains and stresses—Vibration.
- Stub and frame antennas for flight vehicles, 11499
- Student Loan Association, National, *see* National Student Loan Association.
- Students :  
 adult basic education program statistics, 11199  
 college, how Education Office assists, 11232  
 do teachers make a difference? 11207  
 environmental education, so you want to get involved, 11452  
 Federal and State aid programs, 11064  
 graduate teaching assistants in American universities, recent trends and recommendations, 11229  
 local public school systems, fall 1968 statistics, 11245
- Stuffing materials, Federal item identification guide, change, 11174
- Styrene, acrylonitrile - butadiene - styrene (ABS) plastic pipe (schedules 40 and 80), voluntary product standard, 11745
- Submariners :  
 blood vessels in retinal photographs of submariners, measurement, 11571  
 submarine line officer, characteristics, factor analytical study, 11569
- Subsonic speed, *see* Air speed.
- Substation observations, 11936
- Suction, laminar boundary layer in presence of, 11703
- Sugar maple, *see* Maple.
- Sugg, W. O., selling in Greece, 10872
- Suicide, bulletin of suicidology, 11773
- Sulfates, sulfide to sulfate reaction mechanism, 11336
- Sulfides, sulfide to sulfate reaction mechanism, 11336
- Sulfonates, sulfonated polyphenylene oxide membranes, development for reverse osmoses, 11448
- Sulfur, elemental, in Eddy County, N. Mex., 11392
- Sun, solar evaporation, disposal of brine, data, 11445
- Sunfishes, methoxychlor chronic effects on, 11892
- Supersonic aircraft, *see* Aircraft.
- Supersonic flutter of thermally stressed flat plate with edge stiffeners, 11614
- Supplies, *see* Military supplies—Government supplies.
- Supply and demand, world demand prospects in 1980, for wheat, with emphasis on trade by less developed countries, 11197
- Supply Corps, Navy, *see* Navy Supply Corps.
- Supreme Court, Federal rules of appellate procedure, with forms, 11052
- Surendralab, Makam, experimental study of rotor blade-vortex interaction, 11613
- Surf clams, *see* Clams.
- Surface water, *see* Water.
- Surfaces :  
 free-surface displacement pulses and crater dimensions, effects of explosive properties, 11592  
 infinite periodic minimal surfaces without self-intersections, 11628  
 surface pressure on hemisphere- and cone cylinders in low-density hypersonic flow, 11633
- Surgeons, surgical service guide, 11930
- Surgery, surgical service guide, 11930
- Surgical dressings, *see* Bandages and Bandaging.
- Surgical supplies, surgical sutures, Federal item identification guide, 11176
- Surplus property, *see* Personal property.
- Surveys, *see* subjects of surveys.
- Survivor benefits, life insurance in force under social security program, estimated amount, 11855
- Survivors' insurance, your social security, 11864
- Sutures, surgical sutures, Federal item identification guide, 11176
- Swages and swaging, planetary swager summary of tube fabrication studies, 10758
- Sweepstakes, *see* Lotteries.
- Swine :  
 hogs and pigs, U.S. and 10 corn belt States, 11906  
 predicting summer production losses, 10703
- Switzerland, economic trends and their implications for United States, 11474
- Symposiums, range and wildlife habitat evaluation, research symposium, 10693  
*see also* subjects.
- Synoptic meteorology, *see* Meteorology.
- Synthetic fibers, *see* Fibers.
- Synthetic fuels, *see* Fuel oil.
- Synthetic organic chemicals, *see* Organic chemicals.
- Synthetic woven goods, *see* Textiles.
- Syracuse University, elementary teacher education feasibility study for comprehensive undergraduate and inservice education program, 11227
- Syrta, environmental studies, bibliography, 10723
- Systems :  
 binary and multicomponent, phase behavior at elevated pressures, n-pentane and methane-n-pentane, 11732

# INDEX

Systems—Continued  
 Goddard Space Flight Center test philosophy and resultant record, 11659  
*see also* names or types of systems.  
 Systems reliability, *see* Reliability (mechanical).

## T

Tables (mathematics), *see* Mathematics.  
 Tactical Air Command, military airlift, subcommittee report, 11024  
 Take-off (aircraft):  
     XB-70-1 inlet pressure fluctuations during takeoff and prior to compressor stall at Mach 2.5, dynamic analysis, 11669  
 Talking book machines, general information, 11557  
 Tampico, Mexico, despatches from U.S. consuls, 1824-1906, pamphlet to accompany microcopy, 11720  
 Tantalum, commercially pure and oxygen-doped, apparent solubilities in liquid potassium, 11691  
 Tanzania:  
     cotton, 11342  
     economic trends and their implications for United States, 11471  
 Tape (magnetic), *see* Magnetic tape.  
 Taps and dies, and chasers, hand and machine, Federal item identification guide, 11177  
 Tar, and tar crudes, production and sales, 11910  
 Targets:  
     echo location process in oxygnathous bats in free flight, USSR study, 11496  
     moving target selection systems, effectiveness analysis by computer modelling, USSR study, 11492  
 Tariff:  
     Customs Court, judicial machinery, improve in customs matters, law, 10931  
     customs regulations, revised pages, 11157  
     shrimp vessels, foreign repairs, exempt from duty, report, 10964  
 Tax Court, Federal rules of appellate procedure, with forms, 11052  
 Tax exemption, pension trust procedures, etc., under Internal revenue code, 11457  
 Taxation:  
     common and contract carrier property, assessments, hearing, 11047  
     distilled spirits, amend Internal Revenue Code, report, 10982  
     *see also* Excise taxes.—Income tax—*also* names of articles, etc., subject to tax.  
 Taxonomy, new world species of Anthrax (Diptera: Bombyliidae), other than Anthrax albofasciatus group, revision, 11850  
 Taylor, John N., graduate education of Air Force line officers, 10712  
 Taylor, Wm. Randolph, marine algae of Dominica, 11849  
 Teachers:  
     District of Columbia, retirement amendments of 1970, law, 10923  
     do teachers make a difference? 11207  
     elementary teacher education program, feasibility study—  
         behavioral science teacher education program, final report, 11221  
         Florida State University model, 11224  
         Georgia model, basic report, 11223  
         job descriptions, 11223  
         Ohio Consortium, 11222  
         Oregon, plan for managing development, implementation and operation, project report, 11226  
         Syracuse University specifications for comprehensive undergraduate and in-service program, 11227  
         University of Massachusetts study, 11225

Teachers—Continued  
     elementary teacher education program, feasibility study—continued  
     Wisconsin, pricing and economic analysis, 11228  
     program and support systems, 11228  
     graduate teaching assistants in American universities, recent trends and recommendations, 11229  
 Teaching, conservation teaching aid (series), 11843  
 Technical bulletins, Agriculture Department, 10709  
 Technical manuals, Army Department, 10740-747  
 Technical memorandums:  
     Coastal Engineering Research Center, 11249  
     Environmental Science Services Administration, 11267-271  
 Technical notes:  
     Environmental Technical Applications Center, 10723  
     National Aeronautics and Space Administration, 11628-695  
     National Bureau of Standards, 11736-741  
 Technical papers, Sport Fisheries and Wildlife Bureau, 11891-893  
 Technical reports:  
     Air Force Human Resources Laboratory, 10710-712  
     Computer Research and Technology Division, 11779  
     Environmental Science Services Administration, 11272-276  
     National Aeronautics and Space Administration, 11696  
     Waterways Experiment Station, 11255-258  
 Technical translations, National Aeronautics and Space Administration, 11697-708  
 Technicians, *see* Radio broadcast technicians.  
 Technologists, *see* Medical technologists.  
 Technology:  
     half-truths can make us slaves (address), 10869  
     Leibniz principles of management in age of scientific and technical revolution, 11505  
     1970 Lenin prize competition, USSR study, 11519  
     power technology and the future (remarks), 10777  
     science and technology rededicated (address), 10778  
     scientific and technical revolution, relationship to management, USSR study, 11511  
     technological advance requires reform in vocational education (address), 10867  
     titanium alloys for modern technology, 11701  
     *see also* subjects.  
 Telephone:  
     directories—  
         Interior Department, 11453  
         Transportation Department, interim directory, services and classified, 11817  
     Telephone lines, the other wire, ESSA weather wire, general information, 11278  
 Telescopes, soft-gimbale orbiting telescope, fine-pointing control system, investigation, 11671  
 Television:  
     CATV, copyright problems (address), 11293  
     cloud photography, meteorological satellite data, catalog, 11277  
     equal time for candidates for congressional office, purchase requirements, hearings, 11043  
     USSR television broadcasting outlined, development, 11508

- Tellurides, single crystal high resistivity cadmium telluride for use as gamma ray spectrometer, research and development, 10763
- Temperature:  
effects of storage temperatures on quality of—  
cottonseed salad oil, 10688  
soybean salad oil, 10689  
stored tobacco, temperature, moisture, and relative humidity, 10678  
substation observations, 11936
- Tennessee Valley Authority:  
act of 1933, amend, hearing, 11057  
appropriations, 1971, hearings, 11022  
bonds to finance powerplant projects, increase amount issued, hearing, 11057
- Tensile strength, *see* Stainless steel—Strains and stresses.
- Terminal instrument procedures, TERPS, U.S. standard, 11286
- Terminology, *see* subjects.
- TERPS, *see* Terminal instrument procedures.
- Tertiary period, uppermost Cretaceous and Tertiary stratigraphy of Fossil basin, southwestern Wyoming, 11397
- Testing, *see* names of substances or objects tested.
- Tests, *see* types or names of tests—*also* names of departments, etc.
- Texas, landings, fish and shellfish, 10883
- Textiles:  
flammable fabrics, Federal consumer safety legislation covering scope and adequacy, 11787  
products, trade and tariff information, summaries, 11908  
textile repair shop, mobile, Federal item identification guide, 11169
- Thai language, basic course, 11902
- Theology of the earth (lecture), 11854
- Thermal contraction of Mercury, 11688
- Thermal radiation, instability due to thermally induced bending moments in slender thin-walled booms, 11646
- Thermal stability, *see* Stability.
- Thermal stresses, *see* Strains and stresses.
- Thermal waters, *see* Springs.
- Thermoelasticity, instability due to thermally induced bending moments in slender thin-walled booms, 11646
- Thermonuclear reactions, *see* Nuclear reactions.
- Thomas, Harold E., water as urban resource and nuisance, 11389
- Thompson, Theos J.:  
remarks—  
Apr. 10, 1970, 10772  
May 21, 1970, 10777
- Thrift, *see* Savings and thrift.
- Thunderstorms:  
Cape Kennedy, frequency and duration, forecasting, application, 11271  
severe thunderstorm radar echo motion and related weather events hazardous to aviation operations, 11268
- TIAS series, 11903
- Tides:  
tables, Europe, west coast of Africa and Mediterranean Sea, 10853  
tide frequency analysis applied to Atlantic City, and Long Beach Island, N.J., joint probability method, 11269
- Tighe, Michael J.:  
industry wage survey—  
communications, 11546  
wood household furniture, except upholstered, 11531
- Timber, TRAS, computer program for projection of timber values, 10683
- Time:  
linear time optimal control problem from calculus of variations point of view, 11619  
series analysis, theory and practice, 11779
- Tires:  
bicycle tires and tubes, production and maintenance workers at Indianapolis plant of Uniroyal Tire Co., Tariff Commission report, 11907  
defective, require notification to purchasers, law, 10925  
 regrooved pneumatic, with removable inserts, disclosure report, 11741
- TIROS (television infrared observational satellite), *see* Satellites.
- Tissues, tissue respiration of rainbow trout and channel catfish, effects of Antimycin A, 11878
- Titanium, alloys for modern technology, 11701
- Tobacco:  
acreage allotments, lease and transfer authority, extend, report, 11084  
Korea, Republic, production and trade, 11340  
products, census of manufactures, 1967, industry report, 10795  
stored, temperature, moisture, and relative humidity, 10678  
tax guide, 11459
- Tole, John R., university role in astronaut life support systems, water recovery systems, 11624
- Toledo, Ohio, area wage survey, 11538
- Tomatoes, on your table, 10687
- Tools, *see* Chippers (tools).
- Touchet division, *see* Walla Walla project.
- Tourism, *see* Tourist trade.
- Tourist trade, inclusive tours by supplemental air carriers and tour operators, CAB special regulations, 10838
- Toward a brighter future for the elderly, 11832
- Toxicity, *see* Poisons.
- Trade, *see* Commerce—Occupations—*also* names or classes of commodities.
- Trade policy, *see* Commercial policy.
- Tradition, ethnic heritage studies centers act, hearings, 11032
- Traffic control, *see* Air traffic.
- Trails:  
Continental Divide Trail study, progress report, 11822  
national scenic and recreation, 11824
- Train, Russell E., nomination, hearing, 11129
- Traineeships:  
allied health professions personnel advanced training, hearing, 11044  
nurse, professional traineeships, short-term training courses, 11415
- Training:  
naval diver training, decrease in perceived distortion with repeated exposure, application, 11568  
selected training programs for physician support personnel, 11414  
skilled craft, apprentice training, sure way, 10728  
training systems and technology series, 10848  
*see also* Education—*also* subjects.
- Trains, *see* Railroads.
- Transistors, memory subsystem with MOS transistor of single type, calculating parameters, USSR study, 11493
- Transit circle, Washington meridian observations of moon, 6-inch transit circle results, 11809
- Transitions, boundary layer, on flat plates, charts for estimating, 11678
- Translations, technical, National Aeronautics and Space Administration, 11697-708
- Transpiration cooling, *see* Cooling.
- Transport aircraft, *see* Aircraft.
- Transport airplanes, *see* Airplanes.

# INDEX

- Transportation:
- air, military airlift, subcommittee report, 11024
  - census, 1967, commodity transportation survey—
    - area series, 10797
    - commodity group, 10797-798
    - commodity groups, U.S. summary, 10798
  - civil, emergency procedures for control, 11916
  - Great Lakes waterway system iron ore, limestone, and bituminous coal, 11575
  - high speed ground, research and development extension, hearings, 11045
  - necessity of intermodal transportation (remarks), 11310
  - public, travel barriers to the handicapped, 11918
  - urban transportation planning system/360, general information and introduction, 11840
- Transportation Department:
- Federal-aid highway program, administration, stewardship report, hearing, 11144
  - telephone directory, interim directory, services and classified, 11917
- TRAS, computer program for projection of timber values, 10683
- Traumas, *see* Injuries.
- Travel:
- bus and motor coach travel in U.S., 11927
  - passenger, between U.S. and foreign countries, 11436
  - travel barriers to the handicapped, 11918
- Travelers:
- handicapped, travel barriers, 11918
  - young Americans, drug arrests abroad, notice, 11901
- Treasury Department:
- annual report, statistical appendix—
    - departmental edition, 11926
    - document edition, 10940
    - department circulars, 11919
  - General Counsel, nomination of Samuel R. Pierce, jr., hearing, 11120
  - major role in Federal law enforcement (remarks), 11921
  - sale of U.S. obligations directly to Federal reserve banks, extend authority, report, 11089
  - Secretary, letters sent relating to public lands ("N" series), 1801-78, microcopy, pamphlet to accompany, 11727
- Treaties, treaties and other international acts series, 11903
- see also* names of countries—*also* subjects.
- Tree planting, preparing ponderosa pine planting sites in Southwest with premergent herbicides, 11354
- see also* Forest planting.
- Trees:
- how tree grows, 11343
  - tree character relations in southern hardwood stands, 11358
  - see also* names of trees—Tree planting.
- Trend report, graphic presentation of public assistance and related data, 11762
- Tribus, Myron:
- addresses—
    - June 8, 1970, 10871
    - June 13, 1970, 10869
    - June 16, 1970, 10870
- Trinidad & Tobago, foreign trade regulations, 10874
- Tritium, biological effects, 10759
- Trousers, and shirts, Federal item identification guide, 11173
- Trout, rainbow, effects of Antimycin A on tissue respiration, 11878
- Trudell, Laurence G., Green River formation lithology and oil shale correlations in Piceance Creek basin, Colo., 11583
- Truitt, Marcus M., mathematical modeling of solid waste collection policies, 11874
- Truman, Harry S., Dam and Reservoir, *see* Harry S. Truman Dam and Reservoir.
- Trust funds, *see* Trusts and trustees.
- Trust Territory of Pacific Islands, continue civil government, increase appropriations, report, 11075
- Trusts (Industrial):
- Expediting act, amend, report, 10958
  - Sherman antitrust act criminal penalties, increase, hearings, 11133
- Trusts and trustees:
- airport and airway trust fund, establish, law, 10918
  - employee benefit plans tax exemption qualification, determination procedures under Internal revenue, code, 11457
  - trust fund surpluses and fiscal neutrality in social security program, 11861
- Tubes, tube fabrication studies using planetary swager, summary, 10758
- Tulalip Reservation, allotted lands, partition or sale, amend act, law, 10934
- Tully, Philip C., helium, bibliography of technical and scientific literature, 1963, including papers on alpha-particles, 11577
- Tuna fish:
- Central and western Pacific tuna fishery development act, report, 11077
  - surface tuna schools located and fished in equatorial eastern Pacific, 10891
- Tungsten, disposal from national and supplemental stockpile, 11008
- Tupes, Ernest C., equivalence of AFOQT scores for different educational levels, 10710
- Turbine blades, *see* Blades.
- Turbine nozzles, *see* Nozzles.
- Turbines:
- six-inch radial bladed centrifugal compressor, effect of Reynolds number on overall performance, 11645
  - two-phase flow in turbines and reaction nozzles, 11706
- Turbojet aircraft, *see* Airplanes.
- Turbojet engines, *see* Engines (aircraft).
- Turbomachines, *see* Turbines.
- Turbulence, non-continuum and turbulence effects on subsonic sphere drag, measurement, 11616
- Turbulent boundary layer, *see* Boundary layer.
- Turkish language, Foreign Service Institute basic course, graded reader, 11904
- Turnkey program, *see* Housing.
- TVA, *see* Tennessee Valley Authority.
- Twenty-five eventful years, entering nuclear age (remarks), 10779

## U

- Umatilla Reservation, Confederated Tribes of Umatilla Indian Reservation, judgment funds, disposition, law, 10919
- Underdeveloped areas, wheat, world demand prospects in 1980, with emphasis on trade by less developed countries, 11197
- Unemployment insurance, State salary ranges of positions in employment security, etc., 11405
- Union of Soviet Socialist Republics:
- 1970 Lenin prize competition in science and technology, 11519
  - Sino-Soviet stepped-up hostilities poses threat to U.S. security, hearing, 11134
  - strategic arms limitation talks, public review of issues, hearings, 11108
  - television broadcasting, outlined, development, 11508
- Unions, *see* Labor unions.
- Unroyal Tire Co., Indianapolis, Ind., bicycle tires and tubes, production and maintenance workers, Tariff Commission report, 11907

## United States :

NOTE.- For all subjects pertaining to the United States, except its government, general history, and description, see Code of law.

- United States National Committee on Vital and Health Statistics, annual report, 11754  
 Universities, see Colleges and universities.  
 University of Massachusetts, elementary teacher education, feasibility of model program, 11225  
 Uranium, employee exposure to alpha radiation in underground uranium mines, controlling, 11573  
 Uranium mononitride, compacts, fabrication, 11692  
 Urbain, Walter M., radiation pasteurization of fresh meats and poultry, 10753  
 Urban areas, see Cities and towns.  
 Urban life, see Cities and towns.  
 Urban planning, see Redevelopment (city planning).  
 Urban renewal, see Redevelopment (city planning, etc.).  
 Ursic, S. J., hydrologic effects of prescribed burning and deadening upland hardwoods in northern Mississippi, 11366  
 USAF, see Air Force.  
 Utah, county business patterns, 10809  
 Ute Indians, Uintah and Ouray Reservation, tribal funds used to construct, etc., Uintah Indians irrigation, project, reimburse, report, 10979  
 Ute Tribe of Uintah and Ouray Reservation, see Ute Indians.

## V

- VA, see Veterans Administration.  
 Vacuum, mineral separation in vacuum, factors related, 11589  
 Van Houten, Robert, fast breeder reactor control, shield, and reflector materials development, summary report, 10756  
 Vapors, copper vapor, laser breakdown of, 11679  
 Variables (mathematics) :  
   separation of variables for linear partial differential equations of 2d order in 2 independent variables, theory, 11650  
 Vary, Alex, X-ray observations of flow patterns in mercury boiler, 11631  
 Vascular system, see Blood vessels.  
 Vectors (biological) :  
   regulating shipment, 10637  
 Vectors (mathematics) :  
   zero-rank effects in non-singular vectorial elements of planetary motion, determination, discussion and potential application of Hill's method of secular perturbations, 11632  
 Vedros, Phillip J., criteria for inspection, evaluation, classification, and reuse of used airfield landing mat, 11254  
 Vegetables :  
   fresh, shipments by States, etc., 11151-152  
   prices, 1969, Chicago and New York City, 10707  
   vegetables in family meals, guide for consumers, 10686  
 Vehicles, see Motor vehicles—Spacecraft.  
 Velocity :  
   directional, measuring in water waves with acoustic flowmeter, 11249  
   high velocity explosively driven guns, 11605  
 Venn, Grant, paper, Dec. 5, 1969, 11239  
 Venturi tube, potassium flowing adiabatically through venturi sized boiler inlet experimental cavitation and flashing, 11639  
 Vermilion Harbor, wave action and break-water location, 11256  
 Vermin, see Pests.  
 Vermont, county business patterns, 10810  
 Vernick, Joel J., selected bibliography on death and dying, 11771  
 Vertebrates, inner ear, development of receptor structures, 11707  
 Vessels, see Ships.  
 Vestibular apparatus, vestibular analyzer, physiology, 11708  
 Vestibular system, role of vestibular organs in space exploration, symposium, 11626  
 Veterans :  
   adopted child, amend definition of term, law, 10922  
   benefits, educational assistance benefits for veterans with service since Jan. 31, 1955, summary, 11931  
   deceased or disabled, educational assistance information for their sons and daughters, 11933  
   disabled, service-connected loss of one or both hands or feet, or vision, automobile allowance, increase, report, 10986  
   disability compensation rates, increase, report, 10988  
   reemployment rights, handbook, 11934  
   see also Armed Forces—Pensions.  
 Veterans Administration :  
   appropriations, 1971, hearings, 11105  
   land conveyed to Milwaukee County, Wis., use for civic and recreational purposes, authorize report, 10987  
   Philippine regional office, operate and maintain, extend authority, report, 11099  
   VA pamphlets, 11931-933  
 Veterans Affairs Committee, House reports, 10986-988  
 Veterans hospitals :  
   surgical service guide, 11930  
   veterans benefits, for service since Jan. 31, 1955, 11932  
 VFR, see Visual flying rules.  
 Vibration :  
   longitudinal, of liquid-propellant launch vehicles, evaluations of finite-element analysis, 11655  
   surroundings structure effects on sonic fatigue investigation, 11606  
 Vietnam :  
   ammunition production for, impact on southeast Kansas, 10729  
   Armed Forces members voluntarily extending tour of duty in hostile fire area, special 30-day period of leave, extend authorization, report, 10967  
   conflict, moral and military aspects of war in southeast Asia, hearings, 11124  
   seven firefights, 11572  
 Vlezbicke, P. P., NBS frequency and time broadcast services, radio stations WWV, WWVH, WWVB, and WWVL, 11735  
 Viking, see Spacecraft.  
 Virgin Islands, trade study, 11311  
 Viscosity :  
   helium-nitrogen system, from 133° to 740° K for pressures between 1 and 240 atmospheres, 11590  
   new eddy viscosity equations in coaxial free-jet computer code, improved data agreement by using, 11673  
 Viscous flow, see Flow.  
 Visitors, visitor services training series, 11795  
 Visual appearance of polymeric contamination, 11675  
 Visual flying rules, aviation air traffic patterns, 11282  
 Vital and Health Statistics, National Committee on, see United States National Committee on Vital and Health Statistics.  
 Vital statistics, data from National health survey, 11755  
 Vocational education :  
   inventory of statistics available in Federal agencies, 11234

# INDEX

Vocational education—Continued  
 technological advance requires reform in  
 vocational education (address), 10867  
*see also* Education.  
 Vocational Education, Advisory Council on,  
*see* National Advisory Council on Vocational  
 Education.  
 Vocational guidance, occupational outlook  
 handbook, 11530  
 Vocational rehabilitation, *see* Rehabilitation  
 of the disabled.  
 Volunteer workers, volunteers in park pro-  
 gram, establish, report, 10955  
 Vortex motion, rotor blade-vortex interac-  
 tion experimental study, 11613  
 Voting:  
   rights act amendments of 1970, text, 11049  
 Voyeykovo, USSR, liquid precipitation pre-  
 liminary results of study of errors in  
 measuring, USSR study, 11516  
 V/STOL (vertical or short takeoff and land-  
 ing), *see* Aircraft.  
 VTOL (vertical takeoff and landing), *see*  
 Aircraft.

## W

### Wages:

area surveys—  
 Albuquerque, N. Mex., 11537  
 Birmingham, Ala., 11539  
 Burlington, Vt., 11535  
 Charlotte, N.C., 11543  
 Cincinnati, Ohio-Ky.-Ind., metropolitan  
 area, 11533  
 Detroit, Mich., 11540  
 Newark and Jersey City, N.J., 11532  
 Norfolk-Portsmouth and Newport News-  
 Hampton, Va., 11541  
 Pittsburgh, Pa., 11542  
 Seattle-Everett, Wash., metropolitan  
 area, 11534  
 South Bend, Ind., 11544  
 Toledo, Ohio, 11538  
 Waterbury, Conn., 11536  
 York, Pa., 11545  
 industry surveys—  
   communications, 11546  
   educational institutions, not teaching  
   employees, 11547  
   wood household furniture except up-  
   holstered, 11531  
 price-wage guideposts, provide, hearing,  
 11034  
 wage developments in manufacturing,  
 1969, 1st 6 months, 11549  
*see also* Salaries.  
 Wakes, wake effect of panel tip-mounted fan-  
 jet engine on lift-induced vortex, explo-  
 ratory wind-tunnel investigation, 11636  
 Walker, Charles E., statement, June 11, 1970,  
 11925  
 Walla Walla Indians, *see* Umatilla Reserva-  
 tion.  
 Walla Walla project, construction of Touchet  
 division, report, 10997  
 Walnuts, black, on nonforest land in Ken-  
 tucky, 11367  
 War, seven firefights in Vietnam, 11572  
 War risk insurance, program, extend, hear-  
 ing, 11041  
 Warfare, *see* War.  
 Warning systems, the other wire, ESSA  
 weather wire, general information, 11278  
 Wash, Ellen O., thrift institution develop-  
 ment in Latin America, 10939  
 Washburn, C. Langhorne, remarks, June 14,  
 1970, 11929  
 Washington, D.C., *see* District of Columbia.  
 Washington meridian observations of moon,  
 6-inch transit circle results, 11809  
 Washington State:  
   census of business, retail trade, mer-  
   chandise line sales, 10794  
   county business patterns, 10811  
   landings, fish and shellfish, 10884

Washoe Indians, lands, hold in trust, report,  
 10976  
 Waste disposal, *see* Waste products.  
 Waste products:  
   combined sewer overflow abatement tech-  
   nology, symposium, proceedings, 11335  
   solid waste collection policies, mathe-  
   matical modeling, 11874  
   solid waste disposal act, amend—  
   hearings, 11145  
   report, 10981  
   solid waste disposal and resource recovery  
   facilities, provide financial assistance  
   for construction, hearings, 11145  
   solid waste management, policies, 11875  
   solid wastes disposal, facilities construc-  
   tion grants, report, 10981  
   textile, trade and tariff information, sum-  
   maries, 11908  
 Water:  
   better water is in the works, fluoridation,  
   etc., 11408  
   circulation in San Francisco Bay estuary,  
   preliminary study of effects, 11393  
   clean water for 1970's status report,  
   11333  
   ground water, Alaska, in permafrost  
   regions, 11399  
   in urban planning, Salt Creek basin, Ill.,  
   water management as related to alterna-  
   tive land-use practices, 11402  
   land and water conservation fund act of  
   1965, amend, hearings, 11039  
   modified, thermal stability, USSR study,  
   11513  
   pesticides, 11262  
   phase boundary water in frozen soils,  
   11251  
   public works appropriations, 1971, hear-  
   ings, 11022, 11106  
   resources—  
   projects  
     inappropriate source of power used as  
     basis for allocating costs, Corps of  
     Engineers (civil functions), GAO  
     report, 11376  
     relocating railroad facilities, improved  
     guidance needed, Engineers Corps,  
     Army, GAO report, 11373  
     reconnaissance in Haines-Port Chilkoot  
     area, Alaska, 11391  
     saline conversion, report, 11440  
     saline water research and development  
     progress, report, 11441-451  
     shallow regions, Black Sea, characteristics  
     of biological noise propagation, 11500  
     supply, New York City, seawater desal-  
     ting as emergency supply, study, 11450  
     surface water supply, 1961-65, United  
     States, 11401  
     techniques of water-resources investiga-  
     tions, 11400  
     urban resource and nuisance, 11389  
     water in urban environment (series),  
     11389  
     water quality studies of streams, practical  
     guide, 11334  
     water supply papers, 11401-2  
     waves, measuring directional velocity with  
     acoustic flowmeter, 11249  
   *see also* Springs.  
   Water carriers, chemical data guide for bulk  
   shipment by water, 10854  
 Water pollution:  
   combined sewer overflow abatement tech-  
   nology, symposium, proceedings, 11335  
   control, public works appropriations, 1971,  
   hearings, 11022, 11106  
   National Capital region, hearings, 11116  
   oil spillage, Santa Barbara, Calif., hear-  
   ings, 11131  
   pollution analysis, bibliography of litera-  
   ture of activation analysis, 11738  
   problem (address), 11187  
   water pollution control research series,  
   11335-336

- Water Resources Council :  
 appropriations, 1971, hearings, 11022  
 water resources projects, inappropriate  
 source of power used as basis for allo-  
 cating costs, GAO report, 11376
- Water vapor, contamination of refractory  
 metals, 11607
- Waterbury, Conn., area wage survey, 11536
- Waterways, *see* names of rivers, etc.
- Waterways Experiment Station :  
 instruction report, 11254  
 technical reports, 11255-258
- Watson, Deena, directory of narcotic addic-  
 tion treatment agencies in U.S., 11776
- Watson, J. D., high velocity explosively  
 driven guns, 11605
- Wave functions, long range atomic interac-  
 tion potentials for nitrogen, 11694
- Waveguides, precision waveguide sections,  
 method for fabricating, disclosure report,  
 11741
- Waves :  
 atmospheric disturbances in Antarctica,  
 1968 observations, 11275  
 water, measuring directional velocity with  
 acoustic flowmeter, 11249  
*see also* Breakwaters.
- Ways and Means Committee, House reports,  
 10948, 10959, 10964, 10982
- WB, *see* Weather Bureau.
- Weapons :  
 ABM, NURV, SALT, and nuclear arms  
 race, hearings, 11122  
 systems limitation of strategic arms, pub-  
 lic review of issues, hearings, 11108
- Weather :  
 ESSA weather wire, the other wire, gen-  
 eral information, 11278  
 severe thunderstorm radar echo motion  
 and related weather events hazardous to  
 aviation operations, 11268
- Weather Bureau observing handbook,  
 WBOH series, 11936  
*see also* Climate.
- ESSA technical report, WB series, 11276
- Weather Bureau :  
 ESSA technical memorandum—  
 WBTM FCST series, 11270  
 WBTM HYDRO series, 11269  
 WBTM SOS series, 11271  
 1968-69 forecast verification scores, and  
 performance trends, 11270  
 observing handbook, WBOH series, 11936
- Weather forecasts :  
 Cape Kennedy thunderstorms frequency  
 and duration, 11271  
 notes to forecasters, 11270
- Weather Bureau 1968-69 forecast verifi-  
 cation scores, and performance trends,  
 11270
- Weather stations, substation observations,  
 11936
- Weathering, controlled-atmosphere weather-  
 ing device, disclosure report, 11741
- Webb, James E., appointment as citizen  
 regent, law, 10916
- Weddell Sea, distribution of nutrients in,  
 1968-69, report, 10857
- Weldenbaum, Murray L. :  
 remarks—  
 June 16, 1970, 11920  
 June 20, 1970, 11923
- Weight, Gauss quadrature rules involving  
 some nonclassical weight functions, 11649
- Welcome to Washington, 11796
- Weld, Betsy A., reports and maps of Geologi-  
 cal Survey released only in open files,  
 11390
- Welding :  
 electron-beam-welded hollow balls, per-  
 formance of 75-millimeter-bore bearings  
 to 1.8 million DN, 11653  
 methods tested in space, USSR study,  
 11494
- Welding—Continued  
 neutron-irradiated A537-B and A350-LF2  
 steel weldments, Charpy-V notch ductil-  
 ity characteristics, 11819
- Weldments, *see* Welding.
- Wentworth, Carl M., preliminary geologic  
 environment map of greater Los Angeles  
 area, Calif., study pertinent to nuclear  
 facility and design, 10768
- Werner, Elliot, foreign trade regulations of  
 Chile, 10875
- West (U.S.) :  
 Afro-Americans in Far West, handbook for  
 educators, 11200  
 public elementary and secondary day  
 schools, 1968-69, directory, 11205
- Weybrew, Benjamin B., characteristics of  
 submarine line officer, 11569
- Wheat :  
 food grain statistics, supplement, 10706  
 marketing quota referendum for 1971,  
 defer, report, 11100  
 world demand prospects in 1980, for  
 wheat, with emphasis on trade by less  
 developed countries, 11197
- Wheeler National Wildlife Refuge, birds,  
 list, accidental species, 11882
- Wheeler Reservoir, fish inventory data, 11912
- Wheels, rotating, device for radially posi-  
 tioning, disclosure report, 11741
- Whitson, Milton O., controlled fusion and  
 plasma research, 10766
- Wholesale trade :  
 wholesalers, guide to food stamp program,  
 10695  
 wholesalers' services, profit by using,  
 11848
- Wild hemp (marijuana), how to control it,  
 10701
- Wild life, *see* Wildlife.
- Wilderness areas :  
 Craters of Moon National Monument, cer-  
 tain lands, designate, report, 11094  
 search for solitude, our wilderness herit-  
 age, 10698
- Wildlife :  
 conservation, 6-cent commemorative post-  
 age stamp, 11827  
 habitat evaluation, research symposium,  
 10693  
 research problems, programs, progress,  
 11890  
 toxicity of pesticides to wildlife, handbook,  
 errata, 11889  
 water resource projects, cost sharing  
 grants, hearing, 11018
- Wildlife refuges :  
 national, southeast region 4, general in-  
 formation, 11880  
 refuge leaflets, 11880-888  
*see also* names of refuges.
- Williams, John R., ground water in perma-  
 frost regions of Alaska, 11399
- Williamsburg, Va., comprehensive com-  
 munity services for alcoholics, Williams-  
 burg papers for workshop, 11775
- Wilson, K. H., stagnation point analysis of  
 coupled viscous-radiating flow with mas-  
 sive blowing, 11610
- Wind tunnels :  
 full scale wind tunnel investigation of  
 static longitudinal and lateral char-  
 acteristics of light single engine low  
 wing airplane, 11681  
 subsonic, buffet and static aerodynamic  
 characteristics of a systematic series  
 of wings determined from, study, 11656  
 wake effect of panel tip-mounted fan-jet  
 engine on lift-induced vortex, exploratory  
 wind-tunnel investigation, 11636  
 wind tunnels with solid floor, conditions  
 limiting V/STOL testing, theoretical  
 study, 11664
- Wind vanes, viscous damped, disclosure re-  
 port, 11741

# INDEX

- Windbreaks, forest and windbarrier planting and seeding in U.S., 1969 report, 11346
- Winds:  
 gust-alleviation characteristics and handling qualities of free-wing aircraft, evaluation, 11603  
 launch vehicle response to winds, analytic calculation and calculation of optimal biased pitch programs, 11667
- Windward Islands, Dominics, marine algae, 11849
- Wings (aircraft):  
 buffet and static aerodynamic characteristics of a systematic series of wings determined from subsonic wind-tunnel study, 11656  
 twin-keel parawing with various amounts and permeability of porous material in outer lobes, performance and deployment characteristics, 11651
- Winston, Matthew M., induced interference effects on aerodynamic characteristics of V/STOL 0.16-scale model in transition, 11635
- Winterfat, seedlings, emergence and survival from 4 planting depths, 11352
- Wire:  
 barbed and concertina, reinforcement for concrete for use in southeast Asia, preliminary tests, 11255  
 the other wire, ESSA weather wire, general information, 11278  
*see also* Exploding wires.  
 wire mesh, *see* Wire netting.  
 Wire netting, stainer elements, Federal item identification guide, 11173  
 Wire rope, reinforcement for concrete for use in southeast Asia, preliminary tests, 11255  
 Wiring, *see* Electric wires and wiring.
- Wisconsin:  
 elementary teacher education, feasibility and study—  
 pricing and economic analysis, 11238  
 program and support systems, 11228
- Wolfe, Thomas W., testimony, hearings, 11108
- Women:  
 Air Force, discover the world, 10722  
 American women at crossroads (address), 11938  
 women workers today, 11941  
 workers, United States, background facts, 11939
- Women's Bureau, bulletins, 11940
- Wong, Robert Y., effects of operating parameters on net power output of 2-10-kilowatt Brayton rotating unit, 11661
- Wood, Robert E., viscosity of helium-nitrogen system from 133° to 740° K for pressures between 1 and 240 atmospheres, 11590
- Wood:  
 household furniture, except upholstered, industry wage survey, 11531  
 products, millwork, plywood, and prefabricated structural, census of manufactures 1967 industry statistics, 10796
- Wood pulp, pulpwood growing investment in southeastern Ohio, opportunities, 11362
- Woodard, Helen Q., biological effects of tritium, 10759
- Woodis, K. W., leak detector for use in space environment, 11676
- Woods, Elaine W., serials, MARC format, 11556
- Woodson, George E., tool forces and chip formation in orthogonal cutting of loblolly pine, 11364
- Work:  
 hiring standards and job performance, 11524  
 performance standards for post engineering facilities engineering, Army pamphlet change, 10737
- Work stoppages, *see* Strikes and lockouts.
- Workers, *see* Labor—Women.
- World military expenditures, 1969, and related data for 120 countries, 10730
- World motor vehicle production and registration, 10782
- World trade, *see* Commerce.
- Wyoming:  
 northwestern, hydrocarbons in thermal areas, 11398  
 southwestern, uppermost Cretaceous and Tertiary stratigraphy of Fossil basin, 11397

## X

- X-rays, observations of flow patterns in mercury boiler, 11631
- XB-70, *see* Aircraft.
- XB-70-1, *see* Airplanes.

## Y

- Yandle, Carolyn D., population of Panama, estimates and projections, 10826
- Yarn, trade and tariff information, summaries, 11908
- Yates, Warren G., Thai basic course, 11902
- Yavapai-Prescott Community Reservation, lands, longer term leases, authorize, law, 10935
- Yearbooks, office mechanization and computer technology, Hungary, 11490
- Yerington, Albert P., effect of oil treatment of raisins on numbers of insects infesting raisin packages, 10679
- York, Pa., area wage survey, 11545
- Young people, *see* Youth.
- Your son and United States Coast Guard, 10861
- Youth:  
 community development program, young adult groups, build our American communities, 11280  
 Federal youth corrections act, amend, hearing, 11051  
 young American travelers, drug arrests abroad, notice, 11901  
 youth in trouble, crime in America, hearings, 11030
- Youth Correction Division, designate examiners to interview youth offenders being considered for parole, hearing, 11031
- Ypsilanti, Mich., Perry Preschool Project, program in compensatory education, 11237
- Yugoslavia:  
 economic trends and their implications for United States, 11463  
 educational system, 11211

## Z

- Zanio, Kenneth R., research and development on single crystal high resistivity cadmium telluride for use as gamma ray spectrometer, 10763
- Zarin, Neil A., measurement of non-continuum and turbulence effects on subsonic sphere drag, 11616
- Zigler, Edward F., nomination, bearing, 11120
- Zoology, Smithsonian contributions to zoology, 11850-852



# Order Blank

To Superintendent of Documents,  
Government Printing Office,  
Washington, D.C. 20402

Date \_\_\_\_\_, 19\_\_\_\_

Your name \_\_\_\_\_

Street address \_\_\_\_\_

City, State, and ZIP Code \_\_\_\_\_

Catalog number is shown at right-hand end of last line of entry in Monthly Catalog. Order *only* publications indicated by a star (\*) preceding the list price.

**For Use of Supt. of Docs.**

..... Enclosed .....

..... To be mailed  
..... later .....

..... Subscriptions .....

..... Refund .....

..... Coupon refund .....

..... Postage .....

CATALOG No.	QUANTITY DESIRED	TITLE OF PUBLICATION	AMOUNT

Total, \$\_\_\_\_\_

For additional space use other side.  
For PROMPT, ACCURATE SHIPMENT please fill in the following label—Please PRINT or typewrite.

U.S. GOVERNMENT PRINTING OFFICE  
DIVISION OF PUBLIC DOCUMENTS  
WASHINGTON, D.C. 20402

**OFFICIAL BUSINESS**  
RETURN AFTER FIVE DAYS



**POSTAGE AND FEES PAID**  
U.S. GOVERNMENT PRINTING OFFICE

Name \_\_\_\_\_

Street Address \_\_\_\_\_

City, State, and ZIP Code \_\_\_\_\_

Additional space for your order

CATALOG No.	QUANTITY DESIRED	TITLE OF PUBLICATION	AMOUNT	

Do not write in space below

Total, \$ .....
-----------------

## GOVERNMENT PRINTING OFFICE BOOKSTORES

In addition to the mail-order service provided by the office of the Superintendent of Documents, Government Printing Office, for the sale of those publications listed in the Monthly Catalog with an asterisk (\*) and price, there are also seven retail bookstores which constitute a part of the operations of that office. The locations of these stores are shown below:

Government Printing Office  
719 North Capitol Street  
Washington, D.C. 20402  
Telephone: Area code 202—783-3248

Department of Commerce, Lobby  
14th and Constitution Avenue NW.  
Washington, D.C. 20230  
Telephone: Area code 202—Worth  
7-3527

USIA Building, 1st floor  
1776 Pennsylvania Avenue NW.  
Washington, D.C. 20547  
Telephone: Area code 202—632-9668

Department of State Building, 1st floor  
21st and C Streets NW.  
Washington, D.C. 20520  
Telephone: Area code 202—632-1437  
(Public access to building controlled by  
security regulations.)

Pentagon Building  
Main Concourse, south end  
Washington, D.C. 20310  
Telephone: Area code 202—541-2998

Boston Branch  
Room G25, John F. Kennedy Federal  
Building  
Sudbury Street  
Boston, Massachusetts 02203  
Telephone: Area code 617—223-6071

Chicago Branch  
Room 1463—14th floor  
Everett McKinley Dirksen Building  
219 South Dearborn Street  
Chicago, Illinois 60604  
Telephone: Area code 312—353-5133

Kansas City Branch  
Room 135, Federal Office Building  
601 East 12th Street  
Kansas City, Missouri 64106  
Telephone: Area code 816—374-2160

Los Angeles Branch  
Room 1015, Federal Office Building  
300 North Los Angeles Street  
Los Angeles, California 90012  
Telephone: Area code 213—688-5841

San Francisco Branch  
Room 1023, Federal Office Building  
450 Golden Gate Avenue  
San Francisco, California 94102  
Telephone: Area code 415—556-6657

UNITED STATES  
GOVERNMENT PRINTING OFFICE

DIVISION OF PUBLIC DOCUMENTS  
WASHINGTON, D.C. 20402

OFFICIAL BUSINESS



POSTAGE AND FEES PAID  
U.S. GOVERNMENT PRINTING OFFICE