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APR 11 1973

MONTHLY CATALOG

UNITED STATES

GOVERNMENT PUBLICATIONS

APRIL 1973

Entries 20878-22304



OAMGENPUB1478

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oblong-----	width more than height

MONTHLY CATALOG

OF UNITED STATES
GOVERNMENT PUBLICATIONS



APRIL 1973

Number 939

Entries 20878-22304

Issued by the SUPERINTENDENT OF DOCUMENTS

U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 : 1973

L.C. Card 4-18088

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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.

- Area handbook for Greece. (Army Department, DA pam 550-87.) \$3.00. ●
D 101.22: 550-87
- Beneficial use of storm water. (Environmental Protection Agency, Environmental protection technology series EPA-R2-73-139, Jan. 1973.) \$2.85. ●
EP 1.23/2: 73-139
- Building practices for disaster mitigation. (National Bureau of Standards, Building science series 46.) \$5.30 ●
C 13.29/2: 46
- Carbon monoxide, odorless, tasteless, colorless, deadly. (Community Environmental Management Bureau, (HSM) 72-10014.) 15c. ● HE 20.2852: C 17/2
- Cataract. (National Eye Institute, (NIH) 73-404 15c. ● HE 20.3752: C 28
- Conservation plan for a developing area. (Agriculture Department, Program aid PA series 1029.) 20c. ●
A 1.68: 1029
- Educational reform and renewal in contemporary Spain. (Education Office, DHEW publication (OE) 72-119.) 70c. ● HE 5.214: 14166
- Engineering cost study of development wells and profitability analysis of crude oil production. (Mines Bureau, Information circular 8561.) \$2.00. ●
I 28.27: 8561
- Establishing trails on rights-of-way, principally railroad abandonments. (Outdoor Recreation Bureau.) \$1.00. ●
I 66.2: T 68/3
- Feasibility study, VA hospital building system, research study report. (Veterans Administration, 1972.) \$4.75. ●
VA 1.2: H 79/4
- Field guide to the angelfishes (Pomacanthidae) in the western Atlantic. (National Oceanic and Atmospheric Administration, NOAA technical report NMFS CIRC-369.) 25c. ●
C 55.13: NMFS CIRC-369
- Girard estate coal lands in Pennsylvania, 1801-1884. (Smithsonian Institution, Smithsonian studies in history and technology, 15.) \$1.25. ● SI 1.28: 15
- Glaucoma. (National Eye Institute, DHEW publication (NIH) 73-405.) 15c. ●
HE 20.3752: G 46
- Ground-water hydrology of prairie potholes in North Dakota. (Geological Survey, Professional paper 585-C.) 70c. ●
I 19.16: 585-C
- Handbook of labor statistics, 1972. (Labor Statistics Bureau, Bulletin 1735.) \$5.25. ●
L 2.3: 1735
- Helicopters in emergency medical service. (National Highway Traffic Safety Administration, DOT HS 820 231.) 40c. ●
TD 8.2: H 36
- Inaugural address, January 20, 1973, President Richard Nixon. (State Department, General foreign policy series 271.) 25c. ●
S 1.71: 271
- Model programs, Title III, Elementary and secondary education act, Model early childhood learning program, Baltimore, Maryland. (National Institute of Education.) 25c. ●
HE 18.12: B 21
- Model programs, Title III, Elementary and secondary education act, Pre-school development project, Murfreesboro, Tennessee. (National Institute of Education.) 25c. ●
HE 18.12: M 94
- Model programs, Title III, Elementary and secondary education act, Specialized language activities for the rural disadvantaged, South Paris, Maine. (National Institute of Education.) 25c. ●
HE 18.12: So 8p

- NBC special foreign currency program in Yugoslavia, 1971-72. (National Bureau of Standards, Technical note 753.) 90c. ● C 13.46: 753
- New dimensions for the arts, 1971-1972. (National Endowment for the Arts.) \$2.75. ● NF 2.2: Ar 7/2/971-72
- Nosotros hablamos espanol, Federal employment of Spanish-speaking Americans. (Civil Service Commission, Pamphlet BRE-41.) 25c. ● CS 1.48: BRE-41
- Organized crime in sports (racing), hearings, pt. 1. (House Select Committee on Crime.) \$3.10. ● Y 4.C 86/3: C 86/15/pt.1
- Performance data, new 1973 passenger cars and motorcycles. (National Highway Traffic Safety Administration, Consumer information series, v. 4, Nov. 1972.) \$2.85. ● TD 8.14: 4
- Pressure sewer system demonstration. (Environmental Protection Agency, Environmental protection technology series EPA-R2-72-091, Nov. 1972.) \$2.75. ● EP 1.23/2: 72-091
- Price and wage control, an evaluation of current policies, hearing, pt. 1. (Joint Economic Committee, Congress.) \$1.85. ● Y 4.Ec 7: P 93/14/pt.1
- Product warranties, business guidelines to meet consumer needs. (National Business Council for Consumer Affairs.) 75c. ● Y 3.N 21/27: 2 P 94
- Research for people in need, a special SRS research report. (Social and Rehabilitation Service, SRS-72-05650.) \$1.25. ● HE 17.2: P 39
- Search, new technology for pavement snow and ice control. (Environmental Protection Agency, Environmental protection technology series EPA-R2-72-125.) \$1.00. ● EP 1.23/2: 72-125
- Soldiers' and sailors' civil relief act of 1940 and amendments. (House of Representatives.) 45c. ● Y 1.2: So 4/2/970
- System for visually classifying alfalfa flower color. (Agriculture Department, Agriculture handbook 424.) 30c. ● A 1.76: 424
- United States naval history, a bibliography. (Naval Operations Office, 6th ed., 1972.) 70c. ● D 207.11: H 62/972
- Workbook of atmospheric dispersion estimates. (Air Programs Office, Air Programs Office publication, AP 26.) \$1.00. ● EP 4.9: 26

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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.
facslm-----	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.

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The Superintendent of Documents, Government Printing Office, Washington, D.C., 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 going to one address, 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.

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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.

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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 contains annotations and prices, and may be obtained free upon application to the Superintendent of Documents.

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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. Sales copies of a few of the more important ones are printed. The availability of those not for sale is indicated in the individual entries.

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

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LIBRARY CLASSIFICATION IN DOCUMENTS OFFICE

The classification given at the right of entries for departmental publications is that used in the Library of the Public Documents Department. The *shilling* mark (/) separates what ordinarily would be superior or inferior numbers or letters. It is not practicable to print these numbers or letters as *superiors* or *inferiors* in the *Monthly Catalog*.

New Classification Numbers

A 1.107: nos-----	Agriculture Department. Agricultural economic reports. NOTE.—See, for earlier class, A 93.28:(nos.).
A 13.66/12a: CT-----	Forest Service. Handbooks, manuals, guides (separates).
C 55.108/4: nos-----	National Weather Service. National Weather Service communications handbooks.
EP 1.8/2: trans.no-----	Environmental Protection Agency. Grants administration manual.
EP 1.30: date-----	Noise facts digest.
EP 1.32: date-----	EXPRO, listing of extramural project to be funded in fiscal year.
EP 1.33: date-----	Digest of State air programs, fiscal year.
EP 4.14: CT-----	Air Programs Office. Descriptions of [various] courses.
HE 1.23/6: date-----	Health, Education, and Welfare Department. Mental retardation source book of Department of Health, Education, and Welfare.
HE 17.639/4: date-----	National Center for Social Statistics. Findings of AB study.
HE 18.1: date-----	National Institute of Education. Annual report.
HE 18.2: CT-----	General publications.
HE 18.3:—8: Reserved.	
HE 18.9: nos-----	Prep reports. NOTE.—See, for earlier class, HE 5.89:(nos.).
HE 20.2058: CT-----	Health Maintenance Organization Service. Handbooks, manuals, guides.
HE 20.2116: date-----	National Center for Health Service Research and Development. Summary of grants and contracts administered by National Center for Health Services Research and Development.
HE 20.3559: Issue no-----	National Institute of Environmental Health Sciences. Environmental health perspectives.
HE 20.4010/a: CT-----	Food and Drug Administration. FDA papers (separates).
I 19.61: v.nos.& nos-----	NOTE.—See, for earlier class FS 13.128/a:(CT). Geological Survey. Journal of research (bimonthly).
I 28.32/2: date-----	Mines Bureau. Gypsum, annual advance summary.
I 28.116: date-----	Abrasive materials, annual advance summary.
I 28.117: date-----	Gem stones, annual advance summary.
J 1.43: date-----	Justice Department. List of participating institutions, fiscal year. NOTE.—Issued by the Law Enforcement Assistance Administration.
T 70.1: date-----	Alcohol, Tobacco, and Firearms Bureau. Annual report.
T 70.2: CT-----	General publications.
T 70.3:—6: Reserved	

GOVERNMENT PUBLICATIONS

T 70.6/2:-----	Regulations (Part nos. of Title 26 of Code of Federal regulations). NOTE.—See, for earlier class, T 22.17/3: (pt. nos.). Federal Highway Administration.
TD 232: v. nos-----	Water supply and waste disposal series. Price Commission.
Y 3.P 93/4: 1/date-----	Report.
Y 3.P 93/4: 2CT-----	General publications.

Corrections for Previous Monthly Catalogs.

- Sept. 1972. Entry 12327, Social security disability applicant statistics, 1967. Correct class to read HE 3.2: D 63/4/967.
- Feb. 1973. Entry 17355, College work-study program manual, 1968. Correct class to read HE 5.255: 55054.
- Entry 17386, Flood plain information: Lower St. Vrain Creek, v. 3, Boulder County, Colo. Correct class to read D 103.47: B 66/v. 3.
- Entry 17555, Indian health program of Public Health Service. Correct class to read HE 20.2002: In 2/2.
- Entry 17675, Ship American bonus, how DISC corporations benefit by using U.S. flag ships. [Aug. 1972.] Correct class to read C 39.202: D 71/2/972-2.
- Entry 17827, Ocean series 391, Arms control in hydrospace. Correct series number to read 301.
- Mar. 1973. Entry 20578, Minutes of 169th meeting, Council Bluffs, Iowa, June 14-15, 1972. Correct class to read Y 3.M 69:2 M 66/972-2.

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ACTION

806 Connecticut Avenue NW., Washington, DC 20525

NOTE.—ACTION was created as an independent agency within the executive branch of government under the provisions of Reorganization Plan 1 of 1971, effective July 1, 1971, and Executive Order 11603 of June 30, 1971.

Action pamphlet.

- 20878 4000-1. Businessmen in ACTION. [July 1972.] 12 p. il. narrow 8° †
AA 1.11:4000-1
- 20879 Bi-annual statistical summary, 10/MIS [Peace Corps] Volunteer records, Dec. 31, 1971. [1972.] cover title, [1]+54 p. 4° † AA 1.12:971

AGING ADMINISTRATION, Health, Education, and Welfare Dept. Washington, DC 20201

- 20880 Basic concepts of aging, programmed manual; [by] Thomas A. Rich, Alden S. Gilmore. Mar. 1972. [11]+148 p. il. 4° ([DHEW publication (SRS) 73-20274.]) [Prepared under AOA Grant AA-5-68-035-01-A1 by University of South Florida, Tampa, Fla.] * Paper, \$1.25 (S/N 1762-00072).
● Item 447-A-3 HE 17.308: Ag 4/972

AGRICULTURAL MARKETING SERVICE, Agriculture Dept. Washington, DC 20250

AMS (series).

- 20881 545. Carcass Data Service meat inspector. 1, transfer tag to carcass, 2, notify USDA grader 000000 USDA, guide to Carcass Data Service (beef). [Aug. 1972, slightly revised Oct. 1972.] [1972.] [6] p. narrow 8° † A 88.40:545
- 20882 Plants under USDA continuous inspection, processed fruits and vegetables and related products. July 1972. [1]+20 p. 4° (Fruit and Vegetable Division, Processed Products Standardization and Inspection Branch.)
† A 88.43/2:972

PMG (series).

- 20883 30. Second quarter 1973 broiler marketing guide. [1972.] 9 p. 4° † ● Item 18-D
A 88.26/5:30

AGRICULTURAL RESEARCH SERVICE, Agriculture Dept. Washington, DC 20250

ARS (series). † A 77.15:(nos.)

- 20884 33-137. Using diseases to kill plant insect pests, research progress report. June 1972. [2]+10 p. 4° [Supersedes ARS 33-74, Use of diseases to kill plant insect pests, Oct. 1961. Information provided by Entomology Research Division, ARS, and Division of Forest Insect Research of Forest Service.]
- 20885 34-131. Longtime testing of sugarcane varieties in southern Florida [with list of literature cited; by L. P. Hebert and E. R. Rice]. May 1972. [1]+6 p. 4°
- 20886 44-237. Antibiotics in animal and poultry feeds, critical review of research [with list of literature cited; prepared by Animal Science Research Division]. Apr. 1972. [2]+17 p. 4°
- 20887 52-72. New shipping containers for cut roses, costs and performance; [by Roger E. Rij]. June 1972. [3]+11 p. il. 4°

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GOVERNMENT PUBLICATIONS

ARS (series)—Continued

- 20888 73-74. Quality and its preservation in processed foods, proceedings, Eastern Experiment Station Collaborators' Conference, Oct. 26-27, 1971. cover title, 52 p. il. 4° (EMN publication 3718.) [Text on p. 2 of cover.]
 20889 74-59. Bibliography and abstracts on poultry and egg research in Western Marketing and Nutrition Research Division, 1950-70. Oct. 1971. cover title, [2]+50 p. 4°

National Arboretum contribution.

- 20890 3. International checklist of cultivated Ilex, pt. 1: Ilex opaca; [with selected bibliography; by G. K. Elsenbeiss and T. R. Dudley]. Mar. 1973. vii+85 p.
 * Paper, 70c. (S/N 0111-0130). ● Item 100-A
 L.C. card 73-600981 A 77.526:3

AGRICULTURE DEPARTMENT Washington, DC 20250

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

- 20891 Address by Secretary of Agriculture, Earl L. Butz at Annual Legislative Banquet of Pennsylvania State Council of Farm Organizations, Harrisburg, Pa., May 18, 1972. [1972.] 7 p. 4° † A 1.40: B 98/62
 20892 Address by Secretary of Agriculture Earl L. Butz before Wyoming Stock Growers Association, Cheyenne, Wyo., June 29, 1972. [1972.] 10 p. 4° (USDA 2158-72.) † A 1.40: B 98/64
 20893 Address by Secretary of Agriculture Earl L. Butz, Pennsylvania Farm Luncheon, Carlisle, Pa., May 18, 1972. [1972.] 8 p. 4° † A 1.40: B 98/61

Agricultural economic report.

- 20894 236. Public investments and population changes in 3 rural Washington State towns [with list of references; by Nelson L. Bills and Paul W. Barkley]. [Jan. 1973.] iv+26 p. (Economic Research Service.) [Prepared in cooperation with Washington State Agricultural Experiment Station.] †
 ● Item 42-C A 1.107: 236

Agricultural information bulletin.

- 20895 359. Balance sheet of farming sector; [by Carson D. Evans, Forest G. Warren, Robert D. Reinsel]. [Jan. 1973.] iv+32 p. il. 4° (Economic Research Service.) † A 1.75: 359
 20896 Agricultural South in growing America, address by Secretary of Agriculture Earl L. Butz before Southern Association of State Departments of Agriculture, Jackson, Miss., June 26, 1972. [1972.] 9 p. 4° (USDA 2107-72.) † A 1.40: B 98/63
 20897 Agricultural statistics, 1972. 1972. ix+759 p. * Paper, \$3.25 (S/N 0100-02668). ● Item 1 A 1.47: 972

Agriculture handbooks. ● Item 3

A 1.76: (nos.)

- 20898 305. Professional workers in State agricultural experiment stations and other cooperating State institutions. Revised Dec. 1972. 1972. cover title, iii+204 p. 4° (Cooperative State Research Service.) * Paper, \$2.75.
 20899 414. Market diseases of stone fruits: cherries, peaches, nectarines, apricots, and plums [with list of literature cited]; by John M. Harvey, Wilson L. Smith, jr., and Jacob Kaufman. Dec. 1972. vi+64 p. 10 p. of pl. (Agricultural Research Service.) [Supersedes miscellaneous publication. 228. Plates are colored.] * Paper, 65c. (S/N 0100-1419).
 L.C. card 73-600932
 20900 429. Guide to USDA statistics. [1972.] iv+59 p. [This guide is abstracted from Agriculture Handbook 365, Major statistical series of U.S. Department of Agriculture: How they are constructed and used.] * Paper, 55c. (S/N 0100-2497).
 20901 435. Range management practices: investment costs, 1970; by Gilbert Duran and H. R. Kaiser. Oct. 1972. iii+38 p. il. 4° (Forest Service.) * Paper, 75c. (S/N 0100-2586).
 L.C. card 72-600182
 20902 Blessed are the real peacemakers, address by Secretary of Agriculture Earl L. Butz at 64th Convention of American Feed Manufacturers Association, Washington, D.C., May 17, 1972. [1972.] 8 p. 4° (USDA 1674-72.) † A 1.40: B 98/60

*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

APRIL 1973

Farmers' bulletins. ● Item 9

A 1.9:(nos.)

- 20903 2123. Growing American bunch grapes; [prepared by Plant Genetics and Germ-plasm Institute, Agricultural Research Service]. [Revised Jan. 1973.] [1973.] [2]+22 p. il. * Paper, 25c. (S/N 0100-02676).
- 20904 2202. Simple plumbing repairs for home and farmstead; [prepared by Northeastern Region Agricultural Research Service]. [Revised Dec. 1972.] [1972.] [2]+14 p. il. [Supersedes Farmers' bulletin 1460, Simple plumbing repairs in home.] * Paper, 15c. (S/N 0100-02684).
- 20905 Future belongs to those who prepare for it, address by Secretary of Agriculture Earl L. Butz, Alf Landon Lecture Series, Kansas State University, Manhattan, Kans., May 4, 1972. [1972.] 10 p. 4° (USDA 1519-72.) † A 1.40: B 98/59

Home and garden bulletins. ● Item 11

A 1.77:(nos.)

- 20906 196. How to use USDA grades in buying food. [Slightly revised Sept. 1972.] [1972.] [21] [12] p. il. * Paper, 15c. (S/N 1234-1234).
- 20907 202. Growing vegetables; [by Robert E. Wester]. [Dec. 1972.] [3]+49 p. il. 4° ([Agricultural Research Service.]) [Supersedes Home and garden bulletin no. 9, Suburban and farm vegetable gardens.] * Paper, 70c. (S/N 0100-2604 L.C. card 73-600864)
- 20908 Landscape for living, address by Secretary of Agriculture Earl L. Butz, introducing Yearbook of Agriculture, Landscape for living, at national convention of American Association of Nurserymen, Washington, D.C., July 19, 1972. [1972.] 6 p. 4° (USDA 2345-72.) † A 1.40: B 98/65

Leaflet.

- 20909 187. Blight of pears, apples, and quinces; [prepared by Plant Science Research Division, Agricultural Research Service]. [Revised Feb. 1972.] [1972.] [6] p. il. narrow 8° * Paper, 10c. (S/N 0100-1605). ● Item 12 A 1.35: 187/8

- 20910 Market machinery—use it or lose it, remarks by Assistant Secretary of Agriculture Clarence D. Palmby before Commodity Club of New York, May 18, 1972. [1972.] 9 p. 4° (USDA 1677-72.) † A 1.40: P 18/8

Marketing research reports. ● Item 13-B

A 1.82:(nos.)

- 20911 966. Los Angeles wholesale food distribution facilities; [by Earl G. Taylor and others]. Nov. 1972. cover title, [2]+99 p. il. oblong, 8° (Agricultural Research Service.) * Paper, \$1.50.
- 20912 967. Effects of monoflow cotton gin air system on ginning operations, lint quality, and spinning performance; [by Marvis N. Gillum, Preston E. LaForney, and Robert A. Mullikin]. [Dec. 1972.] [2]+27 p. il. 4° (Agricultural Research Service and Economic Research Service.) * Paper, 40c. (S/N 0100-2605).
- 20913 983. Milk sales in foodstores: pricing and other merchandising practices; [by W. Webster Jones]. [Jan. 1973.] 1973. vi+27 p. 4° (Economic Research Service.) †
- 20914 984. Food dating: shoppers' reactions and impact on retail foodstores. [Jan. 1973.] cover title, iv+76 p. 4° (Economic Research Service.) † L.C. card 73-600930

Miscellaneous publications. ● Item 13-A

A 1.38:(nos.)

- 20915 1243. Hog house, modified A type. Nov. 1972. [2] p. il. 4° (Cooperative farm building plan exchange, plan 6116; [Agricultural Research Service.]) * Paper, 10c. (S/N 0100-02635).
- 20916 1251. Growing plants without soil for experimental use [with list of literature cited; by M. Blankendaal and others]. Dec. 1972. [2]+17 p. il. 4° (Agricultural Research Service.) * Paper, 30c. (S/N 0100-02657).
- 20917 1252. Livestock market. Nov. 1972. [2] p. il. 4° (Cooperative farm building plan exchange, plan 6129; [Agricultural Research Service.]) * Paper, 10c. (S/N 0100-02659).
- 20918 1253. Low-income houses, 2 or 4 bedrooms frame construction. Nov. 1972. [2] p. il. 4° (Cooperative farm building plan exchange, plan 7189; [Agricultural Research Service.]) * Paper, 5c. (S/N 0100-02660).
- 20919 1256. Farrowing house for swine, environmentally controlled. Jan. 1973. [2] p. il. 4° (Cooperative farm building plan exchange, plan 6130; [Agricultural Research Service.]) * Paper, 10c. (S/N 0100-02694).
- 20920 1257. Poultry house, caged layers. Jan. 1973. [2] p. il. 4° (Cooperative farm building plan exchange, plan 6131; [Agricultural Research Service.]) * Paper, 10c. (S/N 0100-02695).
- 20921 1258. Pallet bins. Jan. 1973. [2] p. il. 4° (Cooperative farm building plan exchange, plans 6119-6121; [Agricultural Research Service.]) * Paper, 10c. (S/N 0100-02693).

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GOVERNMENT PUBLICATIONS

PA [Program aid] (series).

A 1.68: (nos.)

- 20922 629. What is farm conservation plan? [by Soil Conservation Service]. [Slightly revised Jan. 1973.] [1973.] 8 p. il. 4° [Supersedes Leaflet 249, What is conservation farm plan?] † ● Item 14-A
- 20923 934. Food makes the difference, ideas for economy-minded families. Revised Aug. 1972. 1972. [4] p. il. 4° †
- 20924 997. Food stamp counter points, manual for cashiers. [May 1972.] 8 p. il. oblong 24° (Food and Nutrition Service.) †
- 20925 1021. Fruit and vegetable grower and PACA. [Dec. 1972.] [6] p. narrow 8° il. (Agricultural Marketing Service, Fruit and Vegetable Division.) [(Formerly AMS-451.)] * Paper, 15c. (S/N 0100-02719). ● Item 14-A
- 20926 1027. USDA grade standards for food, how they are developed and used. [Jan. 1973.] 22 p. narrow 8° ([Information Division, Agricultural Marketing Service.] [Supersedes C&MS-90.] * Paper, 30c. (S/N 0100-02729). ● Item 14-A

Picture story series. †

A 1.100: (nos.)

- 20927 257. Bottle gardening. July 1972. [4] p. il. 4° (Agricultural Research Service.)
- 20928 259. Screwworm. Oct. 1972. [6] p. il. 4° (Animal and Plant Health Inspection Service.)
- 20929 260. Swine identification for disease eradication. Oct. 1972. [4] p. il. 4° (Animal and Plant Health Inspection Service.)

Production research report.

- 20930 147. Yam production methods [with selected references; by Franklin W. Martin]. [Dec. 1972.] il+17 p. * Paper, 30c. (S/N 0100-02629). ● Item 13-C
A 1.84: 147

Science study aid.

- 20931 7. Chemical control of plant growth [with bibliography]. [Dec. 1972.] 23 p. il. 4° ([Information Division, Agricultural Research Service.] [Issued with perforations.] * Paper, 30c. (S/N 0100-02703). ● Item 14-B

Statistical bulletins. † ● Item 15

A 1.34: (nos.)

- 20932 504. Tree nuts, revised estimates, 1964-70, production, use, value. Dec. 1972. 13 p. 4° (Crop Reporting Board, Statistical Reporting Service.)
- 20933 505. Fruits-noncitrus, revised estimates, 1964-70, production, use, value. Jan. 1973. 73 p. 4° (Crop Reporting Board.)
L.C. card 73-600940
- 20934 508. Stocks of grain, oilseeds, and hay, revised estimates by States, 1964-70, farm and off-farm stocks. Jan. 1973. 39 p. 4° (Statistical Reporting Service, Crop Reporting Board.)
L.C. card 73-600985

Technical bulletins. ● Item 16

A 1.36: (nos.)

- 20935 1447. Mosquitoes of northwestern United States [with list of literature cited]; by C. M. Gjullin and Gaines W. Eddy. July 1972. iv+111 p. il. 4° (Agricultural Research Service.) * Paper, \$1.25 (S/N 0100-1530).
- 20936 1459. Fomes annosus in southeastern United States, relation of environmental and biotic factors to stump colonization and losses in residual stand [with list of literature cited]; by Eldon W. Ross. Jan. 1973. viii+26 p. il. (Forest Service.) * Paper, 40c. (S/N 0100-2585).
- 20937 1461. Response of several crops to 6 herbicides in irrigation water [with list of literature cited; by V. E. Bruns, J. M. Hodgson, and H. F. Arle]. Dec. 1972. [21+29 p. (Agricultural Research Service.) [Prepared in cooperation with Washington, Montana, and Arizona Agricultural Experiment Stations.] * Paper, 30c. (S/N 0100-02644).

AIR FORCE DEPARTMENT, Defense Dept. Washington, DC 20330

Air Force Human Resources Laboratory: [Technical report] AFHRL-TR (series). (Air Force Systems Command.) † D 301.45/27: (nos.)

- 20938 72-12. Evaluation of device to train forward air controllers to communicate target locations [with list of references; by] Horace H. Valverde, Ned H. Kearns, William J. Woods. [May 1972.] ix+4 sp. il. 4° (Wright-Patterson Air Force Base, Ohio.) [Project 1710; task 1710 03.]
- 20939 72-21. Mathematical considerations about effects of guessing on test variance [with list of references]; by Janos R. Koplyay, John H. Elton, C. Deene Gott. Mar. 1972. vii+8+[2] p. il. 4° (Brooks Air Force Base, Tex.) [Project 6323; Task 632305; work unit 63230507.]
- 20940 72-23. Aptitude levels in enlisted manpower pool of Air Force, 1971 [with list of references]; by Iris H. Massey, Ralph S. Hoggatt, Lonnie D. Valentine, Jr. Mar. 1972. viii+40+[2] p. 4° (Brooks Air Force Base, Tex.) [Project 7719; Task 771916; work unit 77191602.]
- 20941 72-25. Predictability of expressed career intent [with list of references]; by Faye Shenk. Mar. 1972. v+9+[2] p. il. 4° (Brooks Air Force Base, Tex.) [Project 7719; Task 771907; work unit 77190727.]

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- 20942 72-27. Evaluation of trainer for sensor operators on Gunship II aircraft [with list of references; by] Bertram W. Cream. [Sept. 1972.] ix+40+[2] p. il. 4° (Wright-Patterson Air Force Base, Ohio.) [Project 1710; task 1710-03; work unit 1710-03-032.]
- 20943 72-51. CODAP: input standard (INPSTD) and variable generation (VARGEN) programs [with one reference]; by Raymond E. Christal. May 1972. v+8+[2] p. 4° (Brooks Air Force Base, Tex.) [Project 7734; Task 773403; work unit 77340304.]

Air Force manual AFM (series).

- 20944 64-6. See Coast Guard, Aircraft emergency procedures over water.
- 20945 78-54. See Defense Department, Defense Supply Agency handbook DSAH 4215-49
- 20946 Civil air patrol, Auxiliary United States Air Force. [1972.] 17 p. il. †
● Item 424 D 301.2: C 49/2

AIR PROGRAMS OFFICE, Environmental Protection Agency Rockville, MD 20852

Air Programs Office publication AP-(series).

- 20947 112. Indoor-outdoor air pollution relationships: Literature review [with list of references; by] Ferris B. Benson, John J. Henderson, D. E. Caldwell. Aug. 1972. ix+73 p. il. 4° (National Environmental Research Center.)
* Paper, \$1.25. ● Item 483-E
L.C. card 72-603656 EP 4.9: 112
- 20948 Descriptions of advanced air quality management courses, July 1972-June 1973. [1972.] [7] p. il. narrow large 8° (Manpower Development Staff, Institute for Air Pollution Training.) † EP 4.14: A1 7/972-73
- 20949 Descriptions of advanced engineering and enforcement courses, July 1972-June 1973. [1972.] [7] p. narrow large 8° † EP 4.14: En 3/972-73
- 20950 Office of Air Programs, general information, Manpower Development Staff. [1972.] 7 p. il. narrow large 8° (Institute for Air Pollution Training.) † EP 4.2: In 3
- 20951 Orientation courses conducted by Institute for Air Pollution Training. [1972.] [7] p. il. narrow large 8° (Manpower Development Staff.) † EP 4.2: Or 4
- 20952 13 regional training locations, Manpower Development Staff, Institute for Air Pollution Training. [1972.] [7] p. il. narrow large 8° † EP 4.2: T 68

ALCOHOL, TOBACCO AND FIREARMS BUREAU, Treasury Dept. Washington, DC 20224

NOTE.—The Bureau of Alcohol, Tobacco and Firearms was established by Treasury Department Order No. 221, effective July 1, 1972, which transferred to the Bureau the functions, powers, and duties of the Internal Revenue Service arising under laws relating to alcohol, tobacco, firearms, and explosives.

- 20953 Gun control act, questions and answers. [1972.] 39 p. oblong 32° (ATF publication 650 (Rev. 7-72).) * Paper, 20c. (S/N 4804-00501). ● Item 971-B T 70.2: G 95

ANIMAL AND PLANT HEALTH INSPECTION SERVICE, Agriculture Dept., Washington, DC 20250

NOTE.—The Animal and Plant Health Service name changed to Animal and Plant Health Inspection Service April 1972.

- 20954 Equine proplasmiasis (EP) progress report, fiscal year 1971; [prepared by Veterinary Services]. June 1972. [2]+13 p. il. 4° † A 101.16: 971
- 20955 Plant quarantine import requirements: American Samoa, Aug. 12, 1964, Change. Sept. 18, 1972. 1 p. (353-A, P&I, Plant Protection and Quarantine Programs.) [Issued with perforations.] † A 101.11: Sa 46/964/ch.
- 20956 — Canada, Aug. 9, 1967, Change. Oct. 13, 1972. [3] p. (353-A, Plant Protection and Quarantine Programs.) [Issued with perforations.] † A 101.11: C 16/967/ch.

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- 20957 — Canada, Aug. 9, 1967, Change. Nov. 20, 1972. 4 p. (Plant Protection and Quarantine Programs.) [Issued with perforations.] †
A 101.11 : C 16/967/ch.-2
- 20958 — Greece. Nov. 16, 1972. [14] p. (353-A, Plant Protection and Quarantine Programs.) [Issued with perforations.] † A 101.11 : G 81
- 20959 — Greece, Nov. 16, 1972, Change. Nov. 24, 1972. 1 p. (353-A, P&I, Plant Protection and Quarantine Programs.) [Issued with perforations.] †
A 101.11 : G 81/972/ch.
- 20960 — Italy, May 18, 1972, Change. Nov. 8, 1972. [4] p. (353-A, Plant Protection and Quarantine Programs.) [Issued with perforations.] †
A 101.11 : It 1/972/ch.
- 20961 — Sweden, June 13, 1969, Change. Sept. 29, 1972. 1 p. (353-A, P&I, Plant Protection and Quarantine Programs.) [Issued with perforations.] †
A 101.11 : Sw 32/969/ch.
- 20962 South African summary, July 2, 1970, correction. Oct. 4, 1972. [6] p. (353-A; Plant Protection and Quarantine Programs.) [Issued with perforations.] †
A 101.11 : So 87 af/970/corr.

ARMS CONTROL AND DISARMAMENT AGENCY Washington, DC 20451

- 20963 Arms control and disarmament agreements, 1959-72. [June 1, 1972.] iv +119 p. [Insert, Agreed interpretations initialed by heads of delegations and unilateral statements made during negotiations by United States delegation, [8] p. May 26, 1972, issued also.] † AC 1.2 : Ar 5/3/959-72

ARMY DEPARTMENT, Defense Dept. Washington, DC 20310

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

- 20964 310-1. Military publications, index of publications and blank forms, Jan. 1973. cover title, 123 p. [Issued with perforations. Supersedes AMCP 310-1, Jan. 3, 1972, including all changes.]
- 20965 706-134. Engineering design handbook : Maintainability guide for design [with lists of references]. Oct. 1972. cover title, [461] p. il. 4° [Issued with perforations. Supersedes AMCP 706-134 July 27, 1970.]
- Army Electronics Command, Fort Monmouth, N.J. : Research and development technical report ECOM (series). (Reports control symbol OSD-1366.) †
D 111.9/4 : (nos.)
- 20966 3563. Investigation of optical print media, initial survey; by Donald D. Curry. Apr. 1972. v+33+2 p. il. 4° [DA work unit 1H6 62701.A484.03.051.]
- 20967 3574. Ferrite rod antenna arrays for Loran-C receivers [with list of references]; by Kurt Ikrath. May 1972. iv+66+2 p. il. 4° [DA work unit 1116 62701 A448 06 22 1.]
- 20968 3575. Controlled helicopter discharge [with list of references]; by R. G. Buser, H. M. Kaunzinger, I. Gumeiner. May 1972. iv+30+2 p. il. 4° [DA work unit 1T0.61102.B31A.01.345.]
- 20969 3586. Electrolytic preparation and evaluation of tungsten bronzes [with list of references]; by John A. Christopoulos. June 1972. iii+18+2 p. il. 4° [DA 1T6 62705 A 053 02-071.]
- 20970 4005. Error estimate for thermal resistance measurements on uncoated Si microwave transistors as result of temperature gradients; by Herbert L. Mette. Aug. 1972. iii+9+2 p. il. 4° [DA work unit 1S6 62708 A 440 03 231.]
- 20971 4015. Magnetic ordering in lithium-transition metal oxides with ordered rock-salt structures [with bibliography]; by A. Tauber. Aug. 1972. xii+132+3 p. il. 4° [DA work unit 1T0 61102 B11A 01 082.]
- 20972 4037. Optical materials investigation for ultraviolet down-converters [with list of references]; by J. G. Gualtieri, T. F. Ewanizky, D. Berndt. Oct. 1972. iv+14+2 p. il. 4° [DA work unit 1S0 62102 A042 01 301.]
- 20973 5411. Weather radar investigations on an artillery test conducted in Panama Canal Zone [with list of literature cited]; by Michael D. Hudlow. July 1971. v+25+[2] p. il. 4° [DA task 1T0-62111A-026-05-31.]
- 20974 5416. Wind tunnel simulation and prototype studies of barrier flow phenomena [with list of literature cited]; by J. D. Horn [and others], Dec. 1971. [5]+33+[2] p. il. 4° [DA project 1T062111A126.]

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- 20975 5420. Fog dissipation techniques for emergency use; by David H. Dickson, James R. Oden, Jan. 1972. v+35+[2] p. il. 4° [DA task 1T062111A126-06.]
- 20976 5421. Turbulence characteristics at heights of 1.5, 4.0 and 16.0 meters at White Sands Missile Range, New Mexico [with list of literature cited]; by Ricardo Pena, Laurence J. Rider, Manuel Armendariz, Jan. 1972. v+38+[2] p. il. 4° [DA task 1T061102B53A-17.]
- 20977 5424. Rawin radar targets [with list of literature cited]; by Thomas J. Richter, Feb. 1972. v+43+[2] p. il. 4° [DA task 1H6-64705-D511-04-10.]
- 20978 5427. Statistical prediction of impact displacement due to wind effect on unguided artillery rocket during powered flight; by Abel J. Blanco, Larry E. Traylor, Mar. 1972. v+23+[2] p. il. 4° [DA task 1T061102B53A-17.]
- 20979 5432. Applications of dual parameter analyzers in solid-state laser tests [with list of literature cited]; by Stuart A. Schleusener, Kenneth O. White, Apr. 1972. v+13+[2] p. il. 4° [DA task 1T061102B53A-19.]
- 20980 5468. Characteristics of turbulent diffusion parameters as related to stability [with list of literature cited]; by Manuel Armendariz, James R. Scoggins, Nov. 1972. v+23+[2] p. il. 4° [DA task 1T061102B53A-17.]

Field manual FM (series).

D 101.20:(nos.)

- 20981 17-15. Tanks units, platoon, company, and battalion, Mar. 25, 1966, Change 2. Dec. 15, 1972. 16 p. il. 4° [Issued with perforations.] † ● Item 324
- 20982 20-151. See Coast Guard, Aircraft emergency procedures over water.

Pamphlets. ● Item 327 (Rev. 1969)

D 101.22:(nos.)

- 20983 27-9. Military judges' guide, May 19, 1969, Change 4. Jan. 9, 1973. [14] p. 4° †
- 20984 550-13. Japan, analytical bibliography with supplementary research aids and selected data on Okinawa, Republic of China (Taiwan), Republic of Korea [compiled by Army Library]. Feb. 1972. cover title, [1]+x+372 p. il. 4° and portfolio of 10 maps. [Contains copyright material. Some maps are colored.] * Paper, \$11.75. L.C. card 72-603417
- 20985 608-5. Information for dependents traveling to overseas areas. Nov. 1970. cover title, iv+36 p. 4° [Reprint which includes current pages from Change 1. Supersedes DA Pam 608-5, Nov. 1966 and Change 1, Apr. 23, 1968.] †

Technical manual TM (series).

- 20986 5-312. Military fixed bridges [with list of references]. Dec. 1968. cover title, [429] p. il. 9 pl. 4° [Reprint which includes current pages from change 1. Supersedes TM 5-312, June 7, 1962, TM 5-285, June 27, 1944, and TM 5-286, Apr. 30, 1945.] † ● Item 329

D 101.11:5-312/2

USAAMRDL technical report. (Eustis Directorate, U.S. Army Air Mobility Research and Development Laboratory, Fort Eustis, Va.) †

D 117.8/2:(nos.)

- 20987 72-8. Sectionalized main rotor blade advanced design study; by Tadeusz Tarczynski, Aug. 1972. [1]+x+117+[2] p. il. 4° [Report D210-10293-1; contract DAAJ02-70-C-0072; project 2F162203A119; prepared by Boeing Company, Vertol Division, Philadelphia, Pa.]
- 20988 72-34. Investigation of helicopter transmission noise reduction by vibration absorbers and damping [with list of literature cited]; by H. Sternfeld, J. Schairer, R. Spencer, Aug. 1972. [1]+xvii+155+[2] p. il. 4° [Project 1F162204A142; contract DAAJ02-71-C-0020; prepared by Boeing Company, Vertol Division, Philadelphia, Pa.]
- 20989 72-38. Nucleonic sensor for detecting metal in recirculating lubricating oil systems, final report [with list of literature cited]; by Michael C. Bertin, Sept. 1972. x+52+[2] p. il. 4° [Prepared under contract DAAJ02-71-C-0019 by Nucleonic Data Systems, Inc., Santa Ana, Calif.]
- 20990 72-43. Investigation of dissipation of tip vortex of rotor blade by mass injection [with list of literature cited]; by Richard P. White, Jr., John C. Balcerak, Aug. 1972. [1]+xii+84 p. il. 4° [NASA report 72-03; Task 1F162203A14301; contract DAAJ02-71-C-0036; prepared by Rochester Applied Science Associates, Inc., Rochester, N.Y.]
- 20991 72-51. Investigation of airfoil dynamic stall and its influence on helicopter control loads [with list of literature cited]; by F. O. Carta [and others]. Sept. 1972. [1]+xx+189+[2] p. il. 4° [Prepared under contract DAAJ02-71-C-0003 by United Aircraft Corporation Research Laboratories, East Hartford, Conn.]

ATOMIC ENERGY COMMISSION Washington, DC 20545

AEC research and development reports.

Y 3.A7.7:22/(letters-nos.)

20992 AEC-tr-7323.

Plasma Bremsstrahlung from relativistic particles in turbulent plasma [with bibliography; by V. N. Tsytovich]. Oct. 1972. cover title, 19 p. 4° (Translation series. Technical Information Center.) [Russian report NP-18759; preprint 159, 1971.] † Paper, \$3.00.

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- 20993 AEC-tr-7324. Probe method for recording ions produced by laser radiation in afterglow discharge plasma [by I. Bakov, I. Kantor, and A. Kim]. [Oct. 1972.] cover title, 8 p. il. 4° (Translation series; Technical Information Center.) [Russian report NP-18765.] Φ Paper, \$3.00.
- 20994 AEC-tr-7326. Circuits for studying interaction of high-frequency fields with plasma in linear devices; [by I. S. Savchenko and I. R. Yampol'skiy]. [Oct. 1972.] cover title, 18 p. il. 4° (Translation series.) [Russian report NP-18895.] Φ Paper, \$3.00.
- 20995 AEC-tr-7327. Measurement of transverse diffusion coefficient in SHF plasma; [by D. G. Bulyginskiy and others]. [Oct. 1972.] cover title, 7 p. il. 4° (Translation series.) [Russian report NP-18917.] Φ Paper, \$3.00.
- 20996 AEC-tr-7328. Multitube generating bank [with bibliography; by G. I. Zverev and others]. [Oct. 1972.] 8 p. il. 4° (Translation series.) [Russian report NP-18943.] Φ Paper, \$3.00.
- 20997 AEC-tr-7330. General principle of current heating processes of plasma in pulses Z-discharges [with bibliography; by L. V. Dubovoy]. [Oct. 1972.] cover title, 7 p. il. 4° (Translation series.) [Russian report NP-18947.] Φ Paper, \$3.00.
- 20998 AEC-tr-7331. Generation of fast electrons through interaction of SHF wave with collisionless plasma [with bibliography; by V. I. Barlyaov, and others]. [Oct. 1972.] cover title, 7 p. il. 4° (Translation series.) [Russian report NP-18958.] Φ Paper, \$3.00.
- 20999 AEC-tr-7332. Ratio of longitudinal and transverse diffusion coefficients in argon SHF discharge plasma [article, with bibliography; by V. N. Budnikov, K. M. Novik, A. A. Obukhov]. [Oct. 1972.] cover title, 5 p. il. 4° (Translation series.) [Report NP-18916.] Φ Paper, \$3.00.
- 21000 AEC-tr-7333. Excitation of electromagnetic waves in plasma by relativistic electron beam, pt. 1: Longitudinal waves [article, with bibliography; by A. A. Rukhadze, L. S. Bogdankevich, and O. V. Dolzhenko]. [Oct. 1972.] cover title, 1+21 p. il. 4° (Translation series.) [Report NP-18982.] Φ Paper, \$3.00.
- 21001 AEC-tr-7334. Experimental determination of basic characteristics of space-periodic magnetic configurations [with bibliography; by Yu. M. Loktionov, V. P. Sebkov, V. I. Tyupa]. [Oct. 1972.] cover title, 11 p. il. 4° (Translation series.) [Russian report KHFTI 70-49.] Φ Paper, \$3.00.
- 21002 AEC-tr-7335. On theory of transformation of surface waves into longitudinal oscillations in surface layer of plasma wave-guide [with bibliography; by V. V. Demchenko, V. V. Dolgoplov, A. Ya. Omel'chenko.]. [Oct. 1972.] cover title, 12 p. 4° (Translation series.) [Russian report KHFTI-70-55.] Φ Paper, \$3.00.
- 21003 AEC-tr-7336. Effect of high-frequency potential on propagation of fast waves along magnetoactive plasma layer [with bibliography; by V. V. Demchenko, V. V. Dolgoplov, A. Ya. Omel'chenko.]. [Oct. 1972.] cover title, 9 p. 4° (Translation series.) [Russian report KHFTI 70-57.] Φ Paper, \$3.00.
- 21004 AEC-tr-7337. On effect of wave field pressure on longitudinal oscillations in plasma; [with bibliography; by V. V. Dolgoplov]. [Oct. 1972.] cover title, 4 p. 4° (Translation series.) [Russian report KHFTI 70-53.] Φ Paper, \$3.00.
- 21005 AEC-tr-7338. Conditions for wave transformation in plasma with nonmonotonic longitudinal distribution; [by V. I. Arkhipenko, V. N. Budnikov, A. A. Obukhov]. [Oct. 1972.] cover title, 15 p. il. 4° (Translation series.) [Russian report NP-18913.] Φ Paper, \$3.00.
- 21006 AEC-tr-7339. Study of localization of wave transformation region in superhigh-frequency discharge plasma; [by V. I. Arkhipenko, V. N. Budnikov, A. A. Obukhov]. [Oct. 1972.] cover title, 10 p. il. 4° (Translation series.) [Russian report NP-18912.] Φ Paper, \$3.00.

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- 21007 AEC-tr-7348. Bremsstrahlung of relativistic plasma [with bibliography; by V. N. Tsytovich]. [Oct. 1972.] cover title, 22 p. 4° [Ordona Lenina Fizicheskii Institut imeni P. N. Lebedeva, Moscow, 1971; Russian report NP-18758.] Φ Paper, \$3.00.
- 21008 AEC-tr-7349. Injection of relativistic electron beam into plasma; by A. A. Rukhadze, V. G. Rukhlina. [Oct. 1972.] cover title, 16 p. 4° (Translation series.) [Russian report NP-18942.] Φ Paper, \$3.00.
- 21009 AEC-tr-7354. Interaction of plasma streams with stationary, axially symmetric magnetic fields [with bibliography; by Yu. S. Azovskiy, I. T. Guzhovskiy, N. A. Khizhnyak.] [Oct. 1972.] cover title, 101 p. il. 4° (Translation series.) [Russian report KHFTI-70-50.] Φ Paper, \$3.00.
- 21010 AEC-tr-7355. Theory of wave interactions in beam-plasma systems in magnetic fields [with bibliography; by A. M. Korsunskiy, N. S. Repalov, N. A. Khizhnyak.] [Oct. 1972.] cover title, 11 p. 4° (Translation series.) [Russian report KHFTI-70-75.] Φ Paper, \$3.00.
- 21011 AEC-tr-7356. Resonance phenomena in configurations with helical magnetic axes when calculating toroidality, 2 [with bibliography; by V. F. Aleksin, V. V. Nemov, A. A. Shishkin.] [Oct. 1972.] cover title, 10 p. il. 4° (Translation series.) [Russian report KHFTI-71-13.] Φ Paper, \$3.00.
- 21012 BNWL-SA-4275. Use of isotopic composition data to improve reactor calculational techniques [with list of references; by N. E. Carter, D. E. Christensen, and D. L. Prezbindowski]. Mar. 20, 1972. cover title, iv+19 p. il. 4° [Battelle Pacific Northwest Laboratories, Richland, Wash.] Φ Paper, \$3.00.
- 21013 HASL-263. Tables of type NM-64 cosmic-ray neutron monitor counting rates as function of solar modulation of galactic cosmic rays expressed in terms of the Ehmer potential [with list of references; by Keran O'Brien, Gail de P. Burke]. Aug. 1972. cover title, [3]+108 p. 4° (Health and Safety Laboratory, New York Operations Office (AEC), New York, N.Y.) Φ Paper, \$3.00.
- 21014 ORO-651. Uranium hexafluoride, handling procedures and container criteria. Revision 3. [1972.] cover title, vi+72 p. il. 4° ([Oak Ridge Operations Office, Oak Ridge, Tenn.] Φ Paper, \$3.00.
- 21015 ORO-4203-1. Proceedings of Nuclear Technician Manpower Symposium, Atlanta, Ga., May 25-26, 1972. Oct. 1972. cover title, viii+93 p. il. 4° [Sponsored by Southern Interstate Nuclear Board and U.S. Atomic Energy Commission.] Φ Paper, \$3.00.
- 21016 RLO-2213 (supp. 1). Ecological techniques utilizing radionuclides and ionizing radiation, selected bibliography; [by Vincent Schultz]. Sept. 1972. cover title, [1]+i+129 p. 4° [Department of Zoology, Washington State University, Pullman, Wash.] Φ Paper, \$3.00.
- 21017 SNE-101. ²³⁸Pu production in commercial water reactors experimental and analytical program [with lists of references; by Kenneth E. Roach and others]. Feb. 1972. cover title, [158] p. il. 4° [Prepared under contract AT (29-2)-2741 by Southern Nuclear Engineering, Inc., Dunedin, Fla.] Φ Paper, \$3.00.
- 21018 TID-3915. (supp. 1). Russian radioecology, bibliography of Soviet publications with citations of English translations and abstracts; [by Alfred W. Klement, Jr., and Vincent Schultz]. Sept. 1972. cover title, [1]+iii+66 p. 4° (Division of Radiological and Environmental Protection, AEC.) Prepared in cooperation with Department of Zoology, Washington State University, Pullman, Wash. Φ Paper, \$3.00.
- 21019 TID-4500 (59th ed.). New method of controlling radioactivity in laboratory waste water [with list of references; by] Eugene Eno, Robert J. Walker, and Paul Salz. Apr. 1972. cover title, iii-v+20 p. il. 4° Contract W-7405-eng-48.] Φ Paper, \$3.00.

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- 21020 TID-25557. Cost benefit analysis of selected radiation pasteurized foods [with lists of literature sources; prepared by] Economic Research Service, U.S. Department of Agriculture and Bureau of Commercial Fisheries, U.S. Department of Interior, and Agriculture Division, Dunlap & Associates, Manhattan, Kans. Sept. 1972, cover title, iii +271 p. il. 4° (Technical Information Center.) * Paper, \$3.00.
- 21021 TID-25877. Supplementary information on CAMAC instrumentation system, AEC Committee on Nuclear Instrument modules; [edited by Louis Costrell]. Dec. 1972, cover title, [45] p. il. 4° * Paper, 75c. ● Item 1051-C
- 21022 TID-25887. Boiling crisis and critical heat flux [with list of references]; by L. S. Tong. [Aug. 1972.] viii +82 p. il. (AEC critical review series.) * Paper, \$3.00.
L.C. card 72-600190
- 21023 UCRL-TRANS-10615 (pt. 2.). Research on geologic effects of underground nuclear explosions in Sahara granite massif: [by Jean Faure]. [Aug. 1972.] cover title, [3] +168 p. il. 4° (Translation series.) * Paper, \$3.00.
- 21024 UCRL-TRANS-10615 (pt. 3.). Research on geologic effects of underground nuclear explosions in Sahara granite massif [with bibliography; by Jean Faure]. [Aug. 1972.] cover title, [1]+14 p. il. 4° ([Translation series. University of California, Lawrence Livermore Laboratory, Livermore, Calif.) * Paper, \$3.00.
- 21025 UCRL-TRANS-10616-1. Gases formed in underground nuclear explosion, chemical equilibria and potential applications [with list of references; by P. Cohen]. [Aug. 1972.] cover title, [1]+16 p. il. 4° ([Translation series]; University of California, Lawrence Livermore Laboratory, Livermore, Calif.) * Paper, \$3.00.
- 21026 UCRL-TRANS-10616-2. Mechanical effects beyond close-in zone of underground nuclear explosion in granite [with list of references; by L. Michaud]. [Aug. 1972.] cover title, [1]+14 p. il. 4° ([Translations series]; University of California, Lawrence Livermore Laboratory, Livermore, Calif.) * Paper, \$3.00.
- 21027 UCRL-TRANS-10616-4. Effects of underground nuclear explosion on surrounding rock [with list of references; by S. Derlich]. [Aug. 1972.] cover title, [1]+24 p. il. 4° ([Translation series]; University of California, Lawrence Livermore Laboratory, Livermore, Calif.) * Paper, \$3.00.
- 21028 UCRL-TRANS-10616-5. Mechanical effects in close-in zone of underground nuclear explosion in granite [with list of references; by L. Michaud and J. Maury]. [Aug. 1972.] cover title, [1]+16 p. il. 4° (Translation series.) * Paper, \$3.00.
- 21029 WASH-1188-72. Physical research program, research contracts and statistical summary, Division of Physical Research. July 1, 1972, cover title, iii+43 p. 4° * Paper, 75c. ● Item 1051-C
- 21030 WASH-1190. Report on 1972 national survey of compensation paid scientists and engineers engaged in research and development activities; by Battelle Columbus Laboratories, Columbus, Ohio, Nov. 1, 1972. [1972.] [291] p. il. 4° [Contract W-7405-ENG-82, Modification 19-1, Task agreement 26, Apr. 1, 1972-Dec. 31, 1972.] * Paper, \$3.50. ● Item 1051-C
- 21031 WASH-1231. Evaluation of data regarding efficiency of activated charcoal adsorbers at low gas phase iodine concentration [with list of references; by R. L. Ritzman and J. M. Genco]. May 31, 1972, cover title, [3]+27+[12] p. il. 4° (Directorate of Licensing.) * Paper, 75c. ● Item 1051-C

Studies in workmen's compensation and radiation injury.

- 21032 v. 6. Digest of workmen's compensation decisions involving delayed injury resulting from ionizing radiation exposure. 1972. iii+175 p. 1 tab. * Paper, \$1.50. ● Item 1051 Y 3.A7:2 R 11/28/v.6

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AVIATION MEDICINE OFFICE, Transportation Dept.
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FAA-AM (series). Φ Paper, each, \$3.00.

TD 4.210:(nos.)

- 21033 72-22. Comparative study of female and male air traffic controller trainees [with list of references; by] Bart B. Cobb, John J. Mathews, and Carolyn D. Lay. May 1972. cover title, [3]+24+[2] p. il. 4° [Research conducted under Tasks AM-B-69-PSY-2, AM-A-70-PSY-23, AM-B-71-PSY-23, by FAA Civil Aeromedical Institute, Oklahoma City, Okla. Errata, 1 p. issued also.]
- 21034 72-29. Behavioral changes from chronic exposure to pesticides used in aerial application, effects of phosdrin on performance of monkeys and pigeons on variable interval reinforcement schedules [with list of references; by] Mark F. Lewis, Henry W. Mertens, Jo Ann Steen. Aug. 1972. cover title, [3]+4+[2] p. il. 4° [Research performed under Tasks AM-B-71-PSY-25 and AM-B-72-PSY-25 by FAA Civil Aeromedical Institute, Oklahoma City, Okla.]

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Washington, DC 20004

- 21035 Panama Canal review [Official Panama Canal publication; Willie K. Friar and Thomas A. Cupas, publications editors.] Fall 1972. cover title, 2-35 p. il. 4° [Semiannual.] † Paper, \$1.00 a yr., airmail \$2.00 a yr., back issues (regular mail) 50c. each, (Panama Canal Co., Box M, Balboa Heights, CZ.) CZ 1.8: 972/2

CENSUS BUREAU, Commerce Dept.
Suitland, MD 20233

Annual survey of manufactures, 1970, M70 (AS) (series). ([Industry Division.]

- 21036 8. Employment and labor costs for operating manufacturing establishments. [June 1972.] cover title, [1]+14 p. 4° † Paper, 25c. ● Item 134-A C 56.221: M 70(AS)-8
- 21037 Census data for community action; [prepared by Gary M. Young.] Nov. 1972. iii+23 p. il. 4° (Date User Services Office.) * Paper, 50c. C 56.202: C 73

1969 Census of Agriculture, publications.

- 21038 Program no. 3. Oct. 1972. [2] p. 4° † C 56.227/5: P 96/969/no.3
- 1972 census of governments: Preliminary report, (series).

- 21039 2. Public school systems in 1971-72. Dec. 1972. 33 p. 4° † Paper, 50c. ● Item 148-A C 56.247: 972/2

1970 census of housing: v. 1, Housing characteristics for States, cities, and counties. ([Housing Division.]) [Table finding guide on lining papers.] L.C. card 72-600057

- 21040 pt. 29. Nebraska. [Aug. 1972.] cover title, vi+200+24 p. il. 4° * Cloth, \$4.00. ● Item 156-A-29 C 3.224/3: 970/v.1/pt.29

1970 census of population: Detailed characteristics, PC(1)-D (series). ([Population Division.]) C 3.223/8: 970/D (nos.)

- 21041 32. New Jersey. [Nov. 1972.] cover title, vi+593-1651+52 p. il. 4° * Paper, \$6.75. ● Item 159-A-32

- 21042 48. Virginia. [Nov. 1972.] cover title, vi+561-1369+52 p. il. 4° * Paper, \$6.00. ● Item 159-A-49

- 21043 [This entry number not used].

1970 census of population: Subject reports. PC(2) (series). ([Population Division.])

- 21044 pt. 4C. Marital status. [Dec. 1972.] cover title, x+299+21 p. il. 4° * Paper, \$3.75. ● Item 159 C 3.223/10: 970/v.2/pt.4C

1970 census of population: Supplementary reports PC (S1) (series). ● Item 154 C 3.223/12: 970/(nos.)

- 21045 19. Mobility, commuting, and veteran status of United States, 1970. June 1972. 2+[1] p. 4° * Paper, 10c.

- 21046 20. Educational characteristics of population of United States, 1970. June 1972. 2+[1] p. 4° * Paper, 10c.

- 21047 29. Population and housing characteristics for United States, by State: 1970. Dec. 1972. [76] p. 4° * Paper, \$1.25.

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1972 census of transportation, Truck inventory and use survey, TC 72-T (series). ([Transportation Division.]) ● Item 160 D
C 56.246/2: TC 72-T (nos.)

- 21048 4. Arkansas, Nov. 1972. [23] p. 4° * Paper, 35c.
- 21049 20. Maine, Dec. 1972. [23] p. 4° * Paper, 35c.
- 21050 22. Massachusetts, Dec. 1972. [23] p. 4° * Paper, 35c.
- 21051 28. Nebraska, Jan. 1973. [23] p. 4° * Paper, 35c.
- 21052 35. North Dakota, Jan. 1973. [23] p. 4° * Paper, 35c.

Census tract memo (series). (Geography Division.)

- 21053 16. Standard metropolitan statistical areas, July 1972. 19 p. il. 4° † Paper, 50c.
C 56.235/2: 16

- 21054 Census use study: Handbook for manpower planners, pt. 1; [by Dani Emery and Lynn O'Donnell]. [1972.] [5]+102+[2] p. il. 4° [Prepared in cooperation with Labor Department Manpower Administration.] † ● Item 131-D
C 56.220: M 31/pt.1

- 21055 Construction reports: Housing starts, 1959-71, C-20 supplement; [by Thelma R. Wright], Dec. 1972. [3]+75 p. il. 4° ([Construction Statistics Division.]) * Paper, \$1.25. ● Item 140-A-Rev.
C 56.211/3: C-20/supp. L.C. card 72-600295

- 21056 Current industrial reports: Steel shipping barrels, drums, and pails, summary for 1971; [prepared in Industry Division]. Dec. 1972. [2]+33 p. 4° (Series M34K(71)-13.) † Paper, 15c. ● Item 142-A
C 56.216: M34K(71)-13

- 21057 — Woven fabrics, production, stocks, and unfilled orders, 1968-1972; [prepared in Industry Division]. Dec. 1972. [2]+24 p. 4° (Series M 22 A-supplement.) † Paper, 15c. ● Item 142-A C 56.216: M 22 A/supp.

Current population reports: Series P-20, Population characteristics. * Paper, \$30.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries P-60, and P-65 for one year), \$7.75 additional for foreign mailing; single copy prices vary. ● Item 142-C

- 21058 244. Voter participation in Nov. 1972, advance statistics. Dec. 1972. 3 p. 4° * Paper, 15c. C 56.218: P-20/244

Current population reports: Series P-25, Population estimates and projections. * Paper, \$30.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60, and P-65 for one year), \$7.75 additional for foreign mailing; single copy prices vary. ● Item 142-C
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- 21059 486. Estimates of population of United States to June 1, 1972. [1972.] 2 p. il. 4° [Issued with perforations.] * Paper, 5c.
- 21060 487. Estimates of population of United States to July 1, 1972. 2 p. il. 4° [Issued with perforations.] * Paper, 5c.
- 21061 494. Estimates of population of United States to Nov. 1, 1972. Dec. 1972. 2 p. 4° [Issued with perforations.] * Paper, 5c.

Current population reports: Series P-60, Consumer income. ([Population Division.]). * Paper, \$30.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60, and P-65 for one year), \$7.75 additional for foreign mailing; single copy prices vary. ● Item 142-C
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- 21062 82. Characteristics of low-income population, 1971, advance data from Mar. 1972 current population survey. July 1972. 9 p. 4° [Issued with perforations.] * Paper, 15c.
- 21063 83. Money income in 1971 of families and persons in United States, advance data from Mar. 1972 sample survey. July 1972. 7 p. 4° [Issued with perforations.] * Paper, 15c.
- 21064 85. Money income in 1971 of families and persons in United States; [prepared by Emmett F. Spiers and others]. Dec. 1972. cover title, iv+157 p. 4° * Paper, \$2.00.

Current population reports: Series P-65, Consumer buying indicators. * Paper, \$30.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60, and P-65 for one year), \$7.75 additional for foreign mailing; single copy prices vary. ● Item 142-C

- 21065 43. Recent purchases of cars, houses, and other durables and expectations to buy during months ahead, survey data through Oct. 1972. Dec. 1972. ii+18 p. 4° [Issued with perforations.] * Paper, 30c. C 56.218: P-65/43

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- 21066 1967 economic censuses, procedural history. [1972.] vi+315 p. il. 4° ([Data user services office.]) * Paper, \$2.50 (S/N 0301-2281). ● Item 146
L.C. card 72-600000 C 56.202 : Ec 7/2/967
- 21067 International demographic data directory, computerized information retrieval system for demographic and family planning data; [prepared by Martha Bargar and others]. Dec. 1972. cover title, 54 p. 4° ([International Statistical Programs Center.]) † ● Item 146 C 56.202 : D 39
- 21068 Manufacturers' shipments, inventories, and orders, 1966-72; [prepared by Dale W. Gordon]. Revised [edition]. June 1972. cover title, 84 p. 4° (Series M 3-1.4; [Industry Division.]) [Text on p. 2 of cover.] * Paper, 70c. ● Item 227-B C 3.231 : M 3-1.4
- Map.
- 21069 Puerto Rico, municipio subdivisions, barrios and places, subdivisions municipales, barrios y lugares. Scale 8 m. = 2.6 in. 1970. 36 x 48 in. * Paper, 20c. (S/N 0301-1894). C 3.61 : P 96 r/970
- 21070 U.S. foreign trade: Schedule B, Special announcement, new export commodity classifications to be used beginning Jan. 1, 1973, Dec. 1972. iv p. † ● Item 148 C 56.210/3 : B/973/ann.
- United States maps GE-50 (series).
- 21071 46. Congressional districts for 93rd Congress; prepared by Geography Division. Scale 1:5,000,000; 500 mi = 6.2 in. 1972. 30 x 42 in. [Albers equal area projection, standard parallels 29½° and 45½° Congressional district boundaries and numbers from laws supplied by Office of Secretary of State for each State.] * Paper, 40c. (S/N 0324-00097). C 56.242 : 46

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

- 21072 Leadership development and training for Head Start coordinators of nutrition and cook managers. Jan. 1971. [1]+58 p. il. 4° (DHEW publication (OCD) 73-108; Nutrition and Food Program.) † ● Item 445-N-2
HE 21.202 : L 46

CIVIL AERONAUTICS BOARD Washington, DC 20428

- 21073 Civil Aeronautics Board reports: v. 44, Economic and safety enforcement cases of Civil Aeronautics Board, Feb.-June 1966. [1972.] xv+1010 p. il. 9 pl. * Cloth, \$10.00 (S/N 0306-0041). ● Item 179 C 31.211 : 44
- 21074 List of U.S. air carriers, certified air carriers; prepared by Publications Service Section. Sept. 1, 1972. 11 p. oblong 8° [Page 4 left intentionally blank.] † C 31.254 : 972-2
- 21075 Recipients of local service air carriers' unit costs [year ended Mar. 31, 1972, revised pages]. Oct. 29, 1972. [48] p. il. f° [Issued with perforations.] † C 31.253 : 972/rev.pages
- 21076 Remarks by Secor D. Browne, Chairman, Civil Aeronautics Board, before Aero Club luncheon, Washington, D.C., Sept. 12, 1972. [1972.] 7 p. 4° † C 31.215 : B 81/32
- 21077 Remarks by Secor D. Browne, Chairman, Civil Aeronautics Board, before American Bar Association, San Francisco, Calif., Aug. 16, 1972. [1972.] 7 p. 4° † C 31.215 : B 81/31
- 21078 Remarks by Secor D. Browne, Chairman, Civil Aeronautics Board, before semi-annual meeting of ALTA, Denver, Colo., Oct. 5, 1972. [1972.] 5 p. 4° † C 31.215 : B 81/34
- 21079 Remarks by Secor D. Browne, Chairman Civil Aeronautics Board, before Transportation Facilitation Forum, Washington, D.C., Oct. 3, 1972. [1972.] 5 p. 4° † C 31.215 : B 81/33

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- 21080 39. Inequality in school financing, role of law; [prepared by Howard A. Glickstein and William L. Want]. Aug. 1972. cover title, ii+77 p. 4° * Paper, 95c.
L.C. card 73-600797
- 21081 40. Diminishing barrier, report on school desegregation in 9 communities. Dec. 1972. cover title, iii+64 p. 4° * Paper, \$1.25 (S/N 0500-00087).
L.C. card 73-600787

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- 21082 Amendment 2-A to announcement 409 technical assistant [agricultural, biological, and medical support positions]. May 2, 1972. 1 p. oblong, 48°
† CS 1.26: 967/409/rev.3/amdt.2-A
- 21083 Can you change this man [Correctional officer in Justice Department, Prisons Bureau or D.C. Corrections Department], announcement WA-2-04. Mar. 20, 1972. 4 p. il. 4° [Open until further notice; no written test.] †
CS 1.26/4: 972/WA-2-04
- 21084 Engineering, physical sciences, and related positions, amendment 5 to announcement 424, Aug. 15, 1972. [2.] p. 4° † CS 1.26: 970/424/amdt.5
- 21085 Federal careers for journeymen in printing crafts, amendment to announcement WAW-903, revised Aug. 1972. Sept. 29, 1972. 1 p. oblong 48° (Washington Area Office.) † CS 1.26/4: 969/WAW-903/rev./amdt.
- 21086 Federal mine inspector (GS 5-11), amendment to announcement WAM-012. Dec. 4, 1972. 1 p. oblong 48° (Washington Area Office.) †
CS 1.26/4: 971/WAM-012/amdt.

Federal personnel manual FPM supplement.

- 21087 512-1. Job grading system for trades and labor occupations, Transmittal sheet 22. Sept. 1972. [1]+6 p. il. (Bureau of Policies and Standards.) [Transmits job grading standard for store worker WG 7602. Issued in looseleaf form.] * Paper, \$23.00 (transmittals for an indefinite period); \$5.75 additional for foreign mailing. • Item 294 CS 1.41/4: 512-1/trans.22
- 21088 Job grading standard for store worker WG-7602. Sept. 1972. cover title, 6 p. (Bureau of Policies and Standards.) [From Federal personnel manual FPM supplement 512-1, TS-22. Issued with perforations.] * Paper, 25c. (S/N 0600-00671). CS 1.41/4: 512-1/trans.22/WG-7602

Pamphlet.

- 21089 BRI 41-210. Information to consider in choosing health plan. Nov. 1972. [2]+18 p. il. (Bureau of Retirement, Insurance, and Occupational Health.) †
CS 1.48: BRI 41-210
- 21090 Position classification standard for consumer safety inspection series, GS-1862. June 1972. cover title, [1]+3 p. (Bureau of Policies and Standards.) [Issued with perforations.] † CS 1.39/a: GS-1862

COAL RESEARCH OFFICE, Interior Dept.

Washington, DC 20240

Research and development reports. • Item 606-C-2

I 63.10:(nos.)

- 21091 34. ARC-coal process development, period of performance May 1966-Apr. 1972, final report [with list of references; prepared by Richard E. Gannon, Val Krukonis of AVCO Corporation, Systems Division, Lowell, Mass.]. [1972.] cover title, [225] p. il. 4° [Contract 14-01-0001-493]. * Paper, \$1.75 (S/N 2414-00051).
- 21092 73. Interim report 1. Char oil energy development; by John F. Jones [and others]. [1972.] [31+iv+113 p. il. 4° [Report prepared under contract 14-32-0001-1212, period of operation July 1971-June 1972, by FMC Corporation, Chemical Research and Development Center, Princeton, N.J.] * Paper, \$1.25 (S/N 2414-00053).

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‡Official Use. Not Available

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COAST GUARD, Transportation Dept.
Washington, DC 20591

- 21093 Aircraft emergency procedures over water. [1972.] cover title, [101] p. il. 4° (CG 306) [Dept. of Air Force, AFM-64-6; Dept. of Navy, OPNAV INST 3730.4A; Dept. of Army, FM 20-151.] [Issued with perforations.] * Paper, \$1.00. ● Item 934-A TD 5.8: Ai 7/rep.
- 21094 Rules of the road, Great Lakes. July 1, 1972. viii+79 p. il. † ● Item 943 TD 5.6: G 79/2
- 21095 Rules of the road, international, inland. Aug. 1, 1972. [1]+viii+114 p. il. (CG-169.) [Code of Federal regulations, title 33.] † ● Item 943 TD 5.6: In 8

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.

- 21096 Address by James T. Lynn, Under Secretary of Commerce, delivered at Conference of Opportunities for Trade and Investment in Developing Countries of Africa, sponsored by U.S. Departments of Commerce and State, Washington, D.C., Oct. 3, 1972. [1972.] 9 p. 4° † C1.18: L 99/10
- 21097 Energy research, key to our long range energy future address by Peter G. Peterson, Secretary of Commerce before 55th anniversary convention of National Coal Association, Washington, D.C., June 19, 1972. [1972.] [1]+16 p. 4° (Office of Secretary.) † C1.18: P 44/15
- 21098 Environment and the economy, joint progress or parochial negativism, address by Peter G. Peterson, Secretary of Commerce, before National Environmental Information Symposium of Environmental Protection Agency, Cincinnati, Ohio. Sept. 27, 1972. 33 p. 4° † C1.18: P 44/11
- 21099 Impact of changing economic and monetary policies on international trade, our forthcoming negotiations with our Western partners, address by Peter G. Peterson, Secretary of Commerce, before Conference Board, New York, N.Y., Jan. 18, 1973. [1973.] [1]+19 p. 4° † C1.18: P 44/17
- Overseas business reports OBR (series). (Bureau of International Commerce.) [Issued irregularly.] * Paper, \$28.50 a yr., \$7.25 additional for foreign mailing (1-3 yr. subs.). ● Item 231-B C1.50: (nos.)
- 21100 72-025. Use of Market share reports, country report on Federal Republic of Germany. June 1972. 8 p. il. 4° [Issued with perforations.] * Paper, 15c.
- 21101 72-026. Use of market share reports, commodity report on electric measuring and controlling instruments. June 1972. 7 p. il. 4° [Issued with perforations.] * Paper, 15c.
- 21102 72-048. Selling in Belgium [with bibliography]; by Robert H. Walker. Sept. 1972. 20 p. 4° [Issued with perforations. Supersedes OBR 69-47.] * Paper, 15c.
- 21103 72-063. Foreign trade regulations of Yugoslavia; prepared by Philip G. Combs. Nov. 1972. 10 p. 4° [Issued with perforations. Supersedes OBR 68-89.] * Paper, 15c.
- 21104 72-071. Market profiles for Western Europe and Canada; prepared in West Europe Division, Office of International Marketing. Dec. 1972. 22 p. 4° [Issued with perforations. Supersedes OBR 71-033.] * Paper, 15c.
- 21105 72-073. Basic data on economy of Arab Republic of Egypt [with bibliography]; prepared by Richard M. Loughlin. Dec. 1972. 19 p. il. 4° [Issued with perforations. Supersedes OBR 67-25.] * Paper, 15c.
- 21106 Overview of United States trade prospects with Communist countries, remarks by Edward L. Allen, Deputy Assistant Secretary of Commerce for International Economic Research and Analysis, prepared for delivery at Annual California World Business Forum, Los Angeles, Calif., Dec. 1, 1972. [1972.] 20 p. 4° † C1.18: A1 5/39
- 21107 Remarks by Peter C. Manus, Deputy Assistant Secretary of Commerce for Economic Affairs, prepared for Business Tomorrow Conference, Auburn University, Auburn, Ala., Oct. 19, 1972. [1972.] 7 p. 4° † C1.18: M 31/9

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GOVERNMENT PUBLICATIONS

- 21108 Strengthening America's position in world economy, summary of remarks by Harold C. Passer, Assistant Secretary of Commerce for Economic Affairs, prepared for delivery at Annual Business Conference of Graduate School of Business Administration, University of Michigan, Detroit, Mich., Oct. 18, 1972. [1972.] 13 p. 4° † C1.18: P 26/33
- 21109 Summary of remarks of Peter C. Manus, Deputy Assistant Secretary of Commerce for Economic Affairs, prepared for delivery at annual meeting of Copper and Brass Fabricators Council, Inc., New York, N.Y., Dec. 18, 1972. 1972. 8 p. 4° † C1.18: M 31/10
- 21110 Survey of some health-related research and development at National Bureau of Standards, remarks by Richard O. Simpson, Acting Assistant Secretary of Commerce for Science and Technology before Association of Military Surgeons of United States, San Antonio, Tex., Dec. 13, 1972. [1972.] 8 p. † C1.18: S1 58/2
- 21111 Technology, reassessment and reassurance, remarks by James H. Wakelin, jr., Assistant Secretary of Commerce for Science and Technology, at Conference on Technology and marine resource development, sponsored by Marine Technology Society, Arlington, Va., May 16, 1972. 1972. 12 p. 4° † C1.18: W 13/6
- 21112 Telecommunications partnership, remarks by Robert W. Cairns, Deputy Assistant Secretary for Science and Technology, before Conference of State Telecommunications Directors, Washington, D.C., July 20, 1972. [1972.] 7 p. 4° † C1.18: C 12
- Telecommunications research and engineering report OT/TRER (series). (Office of Telecommunications, Institute for Telecommunication Sciences, Boulder, Colo.)
- 21113 36. Prototype annular slot antenna measurements [with list of references; by] R. G. Fitzgerrell. Oct. 1972. iii+44 p. il. 4° * Paper, 50c. ● Item 126-D-1 C1.60: 36
- 21114 Trans-Alaska pipeline, economically sound and nationally essential remarks of Stanley Nehmer, Deputy Assistant Secretary and Director, Bureau of Resources and Trade Assistance, Department of Commerce, prepared for delivery at annual meeting of American Association for Advancement of Science, Washington, D.C. Dec. 30, 1972. [1972.] 20 p. 4° † C1.18: N 31/28
- 21115 U.S. in the changing world economy, address by Peter G. Peterson, U.S. Secretary of Commerce, before National Association of Food Chains, Miami, Fla., Oct. 23, 1972. [1972.] 19 p. 4° † C1.18: P 44/14

COMMUNITY ENVIRONMENTAL MANAGEMENT BUREAU, Health, Education, and Welfare Dept., Rockville, MD 20852

- 21116 Camping safely with liquefied petroleum gas. 1972. [1]+5 p. il. narrow 8° (DHEW publication (HSM) 72-10024; Division of Community Injury Control.) [Illustrations are colored.] * Paper, 40c. ● Item 512-F HE 20.2852: L 46
- 21117 Community action approach for prevention of burn injuries, Missouri Burn Injury Prevention Pilot-Demonstration Project in a 6 county problem area, 1966-69. [1972.] cover title, v+65 p. il. 4° ([DHEW publication (HSM) 72-1008; Division of Planning and Standards, Injury Control Branch.]) * Paper, \$1.50. ● Item 512-F HE 20.2852: B 93
- 21118 Urban rat control, 1969-71 status report. [1972.] 28 p. il. oblong 24° ([HSM] 73-10000.) † ● Item 512-F L.C. card 73-600863 HE 20.2852: R 18/969-71

COMMUNITY HEALTH SERVICE, Health, Education, and Welfare Dept., Washington, DC 20201

- 21119 Statistical analysis, nursing home administration, examination (form 2) and summary of responses to background survey. [1972.] cover title, 20+[8] p. 4° ([DHEW publication HSM 73-6707.]) † ● Item 512-E-1 HE 20.2552: N 93

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‡Official Use. Not Available

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

- 21120 School age child care, primer for building comprehensive child care services; [with bibliography; by] Gertrude L. Hoffman. [1972.] [6]+22+1 p. il. 4° (DHEW publication (SRS) 73-23006; Division of Child and Family Services, Social and Rehabilitation Service.) [Text on p. 3 of cover.] * Paper, 65c. (S/N 1761-0031). ● Item 532-B-1
HE 17.702: C 43
- 21121 Separation of services from assistance payments, guide for State agencies [with bibliography]. 1972. [8]+109 p. il. 4° (DHEW publication (SRS) 73-23015; Assistance Payments Administration.) † ● Item 532-B-3
HE 17.708: Se 6

CONGRESS

Congressional record, proceedings and debates of 92d Congress, 1st session, v. 117. [Permanent edition.] 1971. ● Item 993
L.C. card 12-36438 X.92/1: 117/pt.24

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

- 21122 24. Sept. 9-17, 1971. [1]+31125-32412 p. 4° * Cloth, \$13.45.

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:

House documents:

- 21123 nos. 334-400, with exceptions, 90th Congress, 2d session, House Miscellaneous documents IV [Serial 12805-4]. ● Item 995-G
- 21124 no. 346, 92d Congress, 2d session, Report of clerk of House, Jan. 1-June 30, 1972 [Serial 12991-2.] ● Item 995-G

House reports:

- 21125 nos. 75-775, with exceptions, 91st Congress, 1st session, Reports of committee on Government operations, nos. 1-19 [Serial 12839-4]. ● Item 1007-A
- 21126 no. 1598, 92d Congress, 2d session, Faces of Africa [Serial 12976-7.] ● Item 1007-A
- 21127 no. 1633, 92d Congress, 2d session, Government operations committee activities [Serial 12976-8.] ● Item 1007-A

Senate documents:

- 21128 nos. 108-117, with exceptions, 90th Congress, 2d session, Senate miscellaneous documents III [Serial 12798-3.] ● Item 995-G

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, 92d 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 \$36.00 per session, \$9.00 additional for foreign mailing; single copies vary in price.

- 21129 527. H.R. 13067, act to provide for administration of Mar-A-Lago National Historic Site in Palm Beach, Fla. [Approved Oct. 21, 1972.] 2 p. * Paper, 10c.
- 21130 551. S.J. Res. 221, joint resolution to designate Benjamin Franklin Memorial Hall at Franklin Institute, Philadelphia, Pa., as Benjamin Franklin National Memorial. Approved Oct. 25, 1972. 1 p. * Paper, 10c.
- 21131 556. S. 2741, act to amend act of Sept. 7, 1957, authorizing aircraft loan guarantees, in order to expand program pursuant to such act. Approved Oct. 25, 1972. 1 p. * Paper, 10c.
- 21132 568. H.R. 9554, act to change name of Perry's Victory and International Peace Memorial National Monument, to provide for acquisition of certain lands, and for other purposes. Approved Oct. 26, 1972. 1 p. * Paper, 10c.

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GOVERNMENT PUBLICATIONS

Public laws, 92d Congress—Continued

- 21133 575. H.R. 13396, act to authorize increase in land acquisition funds for Delaware Water Gap National Recreation Area, and for other purposes. [Approved Oct. 27, 1972.] 2 p. * Paper, 10c.
- 21134 595. S. 3337, act to amend Small business investment act of 1958, and for other purposes. [Approved Oct. 27, 1972.] 4 p. * Paper, 15c.
- 21135 597. To amend Youth Conservation Corps act of 1970 (Public law 91-378, 84 stat. 794) to expand Youth Conservation Corps pilot program and for other purposes. [Approved Oct. 27, 1972.] 3 p. * Paper, 15c.

ATOMIC ENERGY JOINT COMMITTEE Washington, DC 20515

Controlled thermonuclear research, hearings before Subcommittee on Research, Development, and Radiation, 92d Congress, 1st session.
L.C. card 72-600943 Y 4.At 7/2: T 34/pt.2

- 21136 pt. 2. Appendices, Nov. 10 and 11, 1972. 1972. iv+265-662 p. il. * Paper, \$1.50.
● Item 999
- 21137 Nuclear power and related energy problems, 1968-70, report; Dec. 1971. 1971. xviii+1103 p. (Joint committee print, 92d Congress, 1st session.)
* Paper, \$4.50. Y 4.At 7/2: N 88/11/968-70
L.C. card 72-600965

ECONOMIC JOINT COMMITTEE Washington, DC 20510

- 21138 Benefit-cost analyses of Federal programs, compendium of papers submitted to Subcommittee on Priorities and Economy in Government; Jan. 2, 1973. 1973. v+274 p. il. * Paper, \$1.50 (Joint committee print, 92d Congress, 2d session.) ● Item 1000 Y 4.Ec 7: B 43
L.C. card 73-600832
- 21139 Reducing unemployment to 2 percent, hearings, 92d Congress, 2d session, Oct. 17-26, 1972. 1972. iv+146 p. * Paper, \$1.50 (S/N 5270-01692).
● Item 1000 Y 4.Ec 7: Un 2/5
L.C. card 73-600772
- 21140 Studies in public welfare, prepared for use of Subcommittee on Fiscal Policy, 1972. (Joint committee print, 92d Congress, 2d session.) [Includes list of recent publications of Subcommittee on Fiscal Policy.] Y 4.Ec 7: W 45/paper-(nos.)
● Item 1000
paper 4. Income transfer programs, how they tax the poor, volume of studies [compiled and edited by Robert I. Lerman]; Dec. 22, 1972. ix+139 p. * Paper, \$1.00 (S/N 5270-01669).
L.C. card 73-600950
paper 5, pt.1. Issues in welfare administration: Welfare, administrative nightmare, staff study; Dec. 31, 1972. vii+45 p. * Paper, 40c.
L.C. card 73-600933
- 21141 Tax subsidies and tax reform, hearings, 92d Congress, 2d session, July 19-21, 1972. 1973. iv+295 p. il. * Paper, \$2.10 (S/N 5270-01620).
● Item 1000 Y 4.Ec 7: T 19/9
L.C. card 73-600996

HOUSE OF REPRESENTATIVES Washington, DC 20515

- 21142 Civil service classification and salary laws, v. 2 [Apr. 7, 1961-Oct. 21, 1972] 87th-92d Congress; compiled by Gilman G. Udell, Superintendent, Document Room, House of Representatives. 1972. viii+443 p. * Paper, \$2.75 (S/N 5201-00055). ● Item 998 Y 1.2: Sa 3/2/972
- 21143 Civil service preference retirement [Jan. 15, 1920-Oct. 2, 1972], and salary classification laws; compiled by Gilman G. Udell, Superintendent, Document Room, House of Representatives. 1972. x+340 p. [Title on cover is: Laws relating to civil service retirement.] * Paper, \$2.25 (S/N 5201-00054). ● Item 998 Y 1.2: R 31/2/972
L.C. card 73-600941

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- 21144 Hospital survey and construction act with amendments [Aug. 13, 1946–Oct. 27, 1972]; compiled by Gilman G. Udell, Superintendent, House Document Room. 1972. iv+285 p. [Contains laws of 79th–92d, 2d session Congresses.] * Paper, \$2.00 (S/N 5201–60059). ● Item 998
L.C. card 73–600988
Y 1.2: H 79/972
- 21145 Laws relating to shipping and merchant marine, v. 2, 91st and 92d Congress [May 23, 1969–Oct. 31, 1972]; compiled by Gilman G. Udell, Superintendent, Document Room, House of Representatives. 1972. v+188 p. * Paper, \$1.25 (S/N 5201–00057). ● Item 998
Y 1.2: Sh 6/972/v.2
- 21146 Laws relating to social security and unemployment compensation [Aug. 14, 1935–July 26, 1968]; compiled by Gilman G. Udell, Superintendent, Document Room, House of Representatives. 1968. vii+859 p. * Paper, \$5.25 (S/N 5201–00052). ● Item 998
Y 1.2: So 1/968
- 21147 Laws relating to social security and unemployment compensation; v. 2 [Aug. 7, 1969–Oct. 30, 1972] 91st and 92d Congresses, compiled by Gilman G. Udell, Superintendent, Document Room, House of Representatives. 1972. iii+265 p. * Paper, \$1.50 (S/N 5201–00053). ● Item 998
Y 1.2: So 1/972/v.2
- 21148 Opium and narcotic laws [Feb. 9, 1909–Oct. 25, 1972]; compiled by Gilman G. Udell, Superintendent, Document Room, House of Representatives. 1972. v+277 p. * Paper, \$2.00 (S/N 5201–00063). ● Item 998
L.C. card 73–600942
Y 1.2: Op 3/972
- 21149 Pension laws [June 25, 1918–Mar. 22, 1972]; compiled by Gilman G. Udell, Superintendent, Document Room, House of Representatives. 1972. vii+189 p. * Paper, \$1.50 (S/N 5201–00062). ● Item 998
L.C. card 73–600934
Y 1.2: P 38/2/972
- 21150 Radio laws of United States [June 24, 1910–Aug. 29, 1972]; compiled by Gilman G. Udell, Superintendent, Document Room, House of Representatives. 1972. edition. 1972. viii+273 p. * Paper, \$2.00 (S/N 5201–00056). ● Item 998
Y 1.2: R 11/972
- 21151 Small Business Administration and investment act, with amendments, 1953–72; compiled by Gilman G. Udell, Superintendent, House Document Room. 1972. v+123 p. * Paper, \$1.00 (S/N 5201–00065). ● Item 998
L.C. card 73–600937
Y 1.2: Sm 1/953–72
- 21152 Supplement to compilation of veterans laws [Apr. 25, 1951–Oct. 27, 1972], 82d–92d Congress; compiled by Gilman G. Udell, Superintendent, Document Room, House of Representatives. 1972. xxx+981 p. * Paper, \$6.00 (S/N 5201–00051). ● Item 998
Y 1.2: V 64/supp.972
- 21153 Surplus property act of 1944 and amendments [Oct. 3, 1944–Oct. 27, 1972]; compiled by Gilman G. Udell, Superintendent, Document Room, House of Representatives. 1973. v+136 p. * Paper, \$1.00 (S/N 5201–00071). ● Item 998
L.C. card 73–600990
Y 1.2: Su 7/973

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 document, 81st Congress.

- 21154 381. Foreign relations of United States, 1948; v. 9, Western Hemisphere. 1972. xii+801 p. ((Publication 8626, Historical Office, Bureau of Public Affairs.)) * (Available in departmental edition, Cloth, \$6.75, S 1.1:948/v. 9 and sent to depositories in that form. See Entry no. 22259.)

House documents, 92d Congress.

- 21155 191. Improvement of rivers and harbors, letter from chief of engineers, Army, submitting report; Apr. 18, 1972. 1972. v+516 p. † (To be sent to depository libraries in serial set binding.)
- 21156 250. Constitution of United States of America. 1972. iii+28 p. 16° * Paper, 10c. (S/N 5271–0272). (To be sent to depository libraries in serial set binding.)

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GOVERNMENT PUBLICATIONS

House documents, 92d Congress—Continued

- 21157 322. Annual report of Secretary of Treasury on state of finances for fiscal year 1972.] [1972.] xxix+506 p. il. ([Treasury Dept. doc. 3257.]) * Available in departmental edition, \$3.50 T 1.1 : 972 and sent to depositories in that form. See Entry no. 22289.)
- 21158 328. Declaration of Independence and Constitution of United States of America. [Reprinted 1972.] [7]+54 p. il. * Paper, 35c. (S/N 5271-00316). ● Item 996
- 21159 345. Eminent Americans, namesakes of Polaris submarine fleet; [by] H. G. Rickover. 1972. xviii+316 p. il. [Contains copyright material.] * Paper, \$1.25 (S/N 5721-00315). (To be sent to depository libraries in serial set binding.)
L.C. card 72-90503
- 21160 346. Report of Clerk of the House from Jan. 1-June 30, 1972; Aug. 17, 1972. 1972. vi+411 p. † (To be sent to depository libraries in serial set binding.)
- 21160A 360. Perry County Drainage and Levee Districts nos. 1, 2, and 3, Missouri, letter from chief of engineers, Army, submitting report; Sept. 25, 1972. 1972. xix+120 p. il. 1 pl., 4° [Also issued in departmental edition and sent to depositories in that form. See Entry 21473.] †
- 21161 363. Point Place, Toledo, Ohio, letter from chief of engineers, Army, submitting report; Sept. 25, 1972. 1972. xii+59 p. il. 1 pl., 4° [Also issued in departmental edition and sent to depositories in that form. See Entry no. 21473A.] †
- 21162 375. Resolved: That Federal Government should enact program of comprehensive medical care for all United States citizens, collection of excerpts and bibliography relating to intercollegiate debate topic, 1972-73, pursuant to Public Law 88-246; compiled by Congressional Research Service, Library of Congress. 1972. v+418 p. il. * Paper, \$2.25 (S/N 5271-00327). (To be sent to depository libraries in serial set binding.)
- 21163 379. Upper Iowa River wild and scenic river study, letter transmitting report; Dec. 27, 1972. 1973. xlii+99 p. il. 4° † ● Item 996

House documents, 93d Congress.

- 21164 15, pt. 1. Budget of United States Government, fiscal year 1974. [1973.] iv+388 p. il. * (Available in departmental edition, \$2.60, PrEx 2.8:974, and sent to depositories in that form. See Entry no. 21921.)
- 21165 16. Budget of United States Government, fiscal year 1974: Appendix. [1973.] 1119 p. 4° * (Available in departmental edition, \$10.70, PrEx 2.8:974/app., and sent to depositories in that form. See Entry no. 21922.)
- 21166 28. Economic report of the President, transmitted to Congress Jan. 1973, together with annual report of Council of Economic Advisors. 1973. iii+301 p. il. * (Available in departmental edition \$2.35 Pr 37.9:973 and sent to depositories in that form. See Entry no. 22195A.)
- 21167 36. Fifth annual report on medicare, fiscal year 1971, communication from Secretary of Health, Education, and Welfare transmitting report, pursuant to sec. 1875(b) of Social security act, as amended; Jan. 3, 1973. 1973. ix+94 p. il. 4° † ● Item 996

House reports

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

House reports on public bills, 92d Congress. † House Document Room, Capitol.

- 21168 829. Consideration of H.R. 12910. Report from Committee on Rules to accompany H. Res. 809. Feb. 8, 1972. 1 p. ● Item 1008-A
- 21169 1325. Consideration of H.R. 13915. Report from Committee on Rules to accompany H. Res. 1090. Aug. 10, 1972. 1 p. ● Item 1008-A
- 21170 1347. Consideration of H.J. Res. 1227. Report from Committee on Rules to accompany H. Res. 1097. Aug. 15, 1972. 1 p. ● Item 1008-A
- 21171 1377. Consideration of H.R. 16188. Report from Committee on Rules to accompany H. Res. 1108. Sept. 6, 1972. 1 p. ● Item 1008-A
- 21172 1428. Amending Small business investment act of 1958. Report from Committee on Banking and Currency to accompany H.R. 16732. Sept. 21, 1972. 17 p. ● Item 1008-A
- 21173 1460. Youth Conservation Corps amendments. Report from Committee on Education and Labor to accompany H.R. 16563. Sept. 28, 1972. 10 p. ● Item 1008-A
- 21174 1468. Changing name on Perry's Victory and International Peace Memorial National Monument, providing for acquisition of certain lands, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 9554. Sept. 28, 1972. 8 p. ● Item 1008-A
- 21175 1539. Authorizing increase in land acquisition funds for Delaware National Recreation Area, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany H.R. 13396. Oct. 5, 1972. 5 p. ● Item 1008-A
- 21176 1541. Providing for administration of Mar-A-Lago National Historic Site, in Palm Beach, Fla. Report from Committee on Interior and Insular Affairs to accompany H.R. 13067. Oct. 5, 1972. ● Item 1008-A

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- 21177 1542. Public safety officers' benefits act of 1972. Report from Committee on Judiciary to accompany H.R. 16932. Oct. 5, 1972. 10 p. ● Item 1008-A
- 21178 1556. Executive schedule positions in Department of Justice. Report from Committee on Post Office and Civil Service to accompany H.R. 14934. Oct. 10, 1972. 5 p. ● Item 1008-A
- 21179 1583. Importation of pre-Columbian sculpture and murals. Conference report to accompany H.R. 9463. Oct. 12, 1972. 4 p. ● Item 1008-A
- 21180 1591. Making appropriations for Departments of Labor and Health, Education, and Welfare. Conference report to accompany H.R. 16654. Oct. 12, 1972. 3 p. [Corrected print.] ● Item 1008-A
- 21181 1592. Designating Benjamin Franklin Memorial Hall at Franklin Institute, Philadelphia, Pa., as Benjamin Franklin National Memorial. Report from Committee on Interior and Insular Affairs to accompany S.J. Res. 221. Oct. 12, 1972. 5 p. ● Item 1008-A
- 21182 1598. Faces of Africa, diversity and progress, repression and struggle. Report of Special Study Missions to Africa, Feb. 7, 1971-Jan. 25, 1972, pursuant to H. Res. 109; Oct. 13, 1972. 1972. xlii+471 p. (To be sent to depository libraries in Serial set binding.)
- 21183 1605. Social security amendments of 1972. Conference report to accompany H.R. 1. Oct. 14, 1972. 87 p. [Corrected print.] ● Item 1008-A
- 21184 1612. Amending Omnibus crime control and safe streets act of 1968 to provide Federal minimum death and dismemberment benefit to public safety officers or their surviving dependents. Conference report to accompany S. 2087. Oct. 17, 1972. 6 p. ● Item 1008-A
- 21185 1616. Uniform relocation assistance. Conference report to accompany S. 1819. Oct. 18, 1972. 8 p. ● Item 1008-A
- 21186 1617. Anticompetitive impact of oil company ownership of petroleum products pipelines. Report of Subcommittee on Special Small Business Problems to Select Committee on Small Business, 92d Congress, 2d session, pursuant to H. Res. 5 and 19; Oct. 18, 1972. 1972. vii+34 p. ● Item 1008-A
- 21187 1623. Summary of activities. Report of Committee on Banking and Currency pursuant to authority under Public Law 91-510; Dec. 14, 1972. 1972. viii+[1]+63 p. ● Item 1008-A
- 21188 1624. Committee on Public Works, House, legislative history. 92d Congress; 1st session, convened Jan. 21, 1971, adjourned Dec. 17, 1971, 2d session, convened Jan. 18, 1972, adjourned Oct. 18, 1972; Dec. 20, 1972. 1972. vii+[1]+94 p. (92-53.) ● Item 1008-A
- 21189 1625. Legislative and review activities of Committee on Interior and Insular Affairs, 92d Congress, pursuant to clause 28 of rule 11 of Rules of House of Representatives; Dec. 21, 1972. 1972. vii+[1]+40 p. ● Item 1008-A
- 21190 1626. Final report of permanent Select Committee on Small Business for 92d Congress (1971-72) pursuant to H. Res. 5 and H. Res. 19; Dec. 21, 1972. 1972. xiii+301 p. ● Item 1008-A
- 21191 1627. Report of activities of Committee on Armed Services, House, 92d Congress, 1st and 2d sessions, 1971-72; Dec. 29, 1972. 1972. v+91+iii p. ● Item 1008-A
- 21192 1630. Oversight activities of Committee on Education and Labor on administration and execution of laws within its jurisdiction. Report to House; Jan. 2, 1973. 1973. v+34 p. ● Item 1008-A
- 21193 1631. Report of legislative review activity of Committee on Ways and Means, House, for 92d Congress, pursuant to sec. 136 of Legislative reorganization act of 1970 and by Public Law 92-136; Jan. 2, 1973. 1973. iii+[1]+7 p. ● Item 1008-A
- 21194 1632. FCC monitoring of employees' telephones. Report of Special Subcommittee on Investigations of Committee on Interstate and Foreign Commerce; Jan. 2, 1973. 1973. vi+77 p. ● Item 1008-A
- 21195 1633. Activities of House Committee on Government Operations, 92d Congress, 1st and 2d sessions, 1971-72, pursuant to House rule 11, 28(a) and (b); Jan. 2, 1973. 1973. xii+[1]+154+vii+299 p. (To be sent to depository libraries in serial set binding.)
- 21196 1634. Report on activity of Committee on Interstate and Foreign Commerce, House of Representatives, for 92d Congress, made pursuant to section 136 of Legislative Reorganization Act of 1946, as amended by Public Law 92-136, and H. Res. 170, 92d Congress; Jan. 2, 1973. 1973. v+151 p. ● Item 1008-A
- 21197 1635. Activity of Committee on Veterans' Affairs, 92d Congress. Report of Committee on Veterans' Affairs, submitted by Olin E. Teague, chairman; Jan. 3, 1973. 1973. iii+668 p. (To be sent to depository libraries in serial set binding.)

House reports on public bills, 93d Congress. † House Document Room, Capitol. ● Item 1008-A

- 21198 1. Campaign expenditures committee, report of Special Committee to Investigate Campaign Expenditures, 1972, 92d Congress, 2d session, pursuant to H. Res. 819; Jan. 11, 1973. 1973. xv+337 p. ii. 1 tab.

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Agriculture Committee, House Washington, DC 20515

- 21199 Meat prices and public interest, study by Subcommittee on Livestock and Grains together with additional views; July 5, 1972. 1972. v+42 p. il. (Committee print, 92d Congress, 2d session.) †
L.C. card 72-602293 Y 4.Ag 8/1: M 46/16

Armed Services Committee, House Washington, DC 20515

Papers, 92d Congress. Y 4.Ar5/2a: 971-72/(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.

- 21200 45. Hearings on military posture and H.R. 12604, 92d Congress, 2d session, Jan. 25-Apr. 24, 1972. [1972.]
L.C. card 72-602767
pt. 1. cover title, p. 9177-9962 il. * Paper, \$3.25.
pt. 2. cover title, p. 9963-10793, il. * Paper, \$3.50. ● Item 1012
pt. 3. Hearings by subcommittee 1 on R&D, subcommittee 3 on nuclear aircraft carrier CVN-70, and subcommittee 2 on active duty and reserve forces, cover title, p. il+10795-12098+xxxiii il. * Paper, \$5.25 ● Item 1012.
- 21201 48. Subcommittee No. 4 hearings on H.R. 11665 (continuance of incentive pay after termination of missing status), H.R. 10856 (accumulate leave while in missing status), H.R. 10856 (accumulate leave while in missing status), and household goods of those in missing status), H.R. 3542 (travel and transportation allowances in connection with leave), H.R. 5621 (shipment of motor vehicles for members of Armed Forces). May 10, 1972. 12145-186.
† ● Item 1012
- 21202 57. Hearings before Special Subcommittee on Transfer of Naval Vessels to Foreign Countries, 92d Congress, 2d session, Apr. 18 and 19, 1972. [1972.]
14371-14629+1 p. † ● Item 1012
L.C. card 73-600739
- 21203 63. Subcommittee 2 hearings on H.R. 12801, H.R. 12802, H.R. 13277, H.R. 14867, H.R. 15183, H.R. 13166 (H.R. 16233), to amend Maritime Academy act of 1958, to authorize appointment of Reserve Midshipmen at State Maritime Academies and Colleges, and for other purposes. Aug. 8, 1972. p. 14915-14945 † ● Item 1012
- 21204 71. Special subcommittee on transportation, hearing on proposed closure of Army personnel center at Fort Lewis, Wash. and military airlift service industrial fund. Mar. 28, 1972. p. 16365-16486 † ● Item 1012
L.C. card 73-600610
- 21205 74. Full Committee hearing and consideration of H.R. 5442, H.R. 5478, H.R. 6422, H.R. 15695, and S. 3310, to establish authorized strength of naval reserve in officers in Judge Advocate General's Corp in grade of rear admiral, and amendment to H.R. 16943 (Golden Gate-West Recreational Area in California.) Oct. 10, 1972. p. 16593-16607 † ● Item 1012
- 21206 76. Full Committee briefing on Project Egress Recap. Oct. 10, 1972. p. 16651-16711, il. † ● Item 1012
- 21207 77. Report by Special Subcommittee on Transfer of Naval Vessels to Foreign Countries, 92d Congress, 2d session. Oct. 10, 1972. iii+16713-16747 p. †
● Item 1012
L.C. card 73-600712
- 21208 78. Recomputation and other retirement legislation, hearings before Special Subcommittee on retired-pay revisions, 92d Congress, 2d session, Oct. 4-12, 1972. [1972.] 16749-17355+v p. il. * Paper, \$3.75 (S/N 5270-01687).
● Item 1012
L.C. card 73-600746
- 21209 80. Recomputation and other legislation, report by Special Subcommittee on Retired-Pay Revisions, 92d Congress, 2d session. Dec. 29, 1972. vi+17625-17665+ii p. * Paper, 40c. ● Item 1012
L.C. card 73-600777
- 21210 Unauthorized bombing of military targets in North Vietnam, hearing before Armed Services Investigating Subcommittee, 92d Congress, 2d session, under authority of H. Res. 201, June 12, 1972. 1972. ii+52 p. † ● Item 1012
L.C. card 73-600660 Y 4.Ar 5/2: V 67/4
- 21211 Unauthorized bombing of military targets in North Vietnam, report of Armed Services Investigating Subcommittee, 92d Congress, 2d session under authority of H. Res. 201; Dec. 15, 1972. 1972. iii+12 p. (Committee print.) †
L.C. card 73-600632 Y 4.Ar 5/2: V 67/5

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Crime, Select Committee on, House Washington, DC 20515

- 21212 Drugs in our schools, hearings, 92d Congress, 2d session, Oct. 6, 7, 1972. 1972. iv+1689-1920 p. il. [Hearings held in Kansas City, Kans.]
* Paper, \$1.50. ● Item 1009
L.C. card 72-603529 Y 4.C 86/3 : D 84/6

Education and Labor Committee, House Washington, DC 20515

- 21213 Employment and manpower act of 1972, hearings before Select Subcommittee on Labor, 92d Congress, 1st session on H.R. 6181, H.R. 11167, H.R. 11688, [and] H.R. 12485, Oct. 27, 1971-Mar. 2, 1972. viii+1103 p. il. †
● Item 1015
L.C. card 72-603619 Y 4.Ed 8/1 : Em 7/12
- 21214 Establishment of Asian Studies Institute, hearing before Select Subcommittee on Education, 92d Congress, 2d session, on H.R. 6168, Aug. 24, 1972. 1972. iv+162 p. il. [Hearing held in Honolulu, Hawaii.] †
● Item 1015
L.C. card 73-600749 Y 4.Ed 8/1 : As 4
- 21215 Farm worker occupational safety and health, oversight hearing before Subcommittee on Agricultural Labor, 92d Congress, 2d session, on farm worker occupational safety and health problems, Sept. 25, 1972. 1972. iv+266 p. il. † ● Item 1015
L.C. card 73-600826 Y 4.Ed 8/1 : F 22/3
- 21216 Indian education act of 1971, hearings before General Subcommittee on Education, 92d Congress, 2d session, on H.R. 8937 and S. 2482, Jan. 3-Mar. 11, 1972. 1972. vi+654 p. il. [Hearings held in Gallup, N. Mex., Riverside, Calif., Seattle, Wash., Anchorage, Alaska, and Minneapolis, Minn.] † ● Item 1015
L.C. card 73-600768 Y 4.Ed 8/1 : In 2/5
- 21217 Longshoremen's and harbor workers' compensation act, hearings before Select Subcommittee on Labor, 92d Congress, 2d session on H.R. 247, H.R. 3505, H.R. 12006 and H.R. 15023, June 27-July 20, 1972. 1972. iv+332 p. † ● Item 1015
L.C. card 73-600626 Y 4.Ed 8/1 : L 86/3/972
- 21218 Museum services act, hearings before Select Subcommittee on Education, 92d Congress, 2d session on H.R. 8677, Sept. 19 and 23, 1972. 1972. iii+205 p. [Hearings held in Washington, D.C. and Chicago, Ill.] †
● Item 1015
L.C. card 73-600658 Y 4.Ed 8/1 : M 97/3
- 21219 Oversight hearings on elementary and secondary education, hearings, 92d Congress, 2d session, on H.R. 44 [and other bills], Sept. 26-Oct. 11, 1972. v+451 p. † ● Item 1015
L.C. card 73-600745 Y 4.Ed 8/1 : Ed 8/39/972-4
- 21220 Pilot universal lunch program, hearing, 92d Congress, 2d session, on H.R. 13452, Mar. 20, 1972. 1972. iii+34 p. † ● Item 1015
L.C. card 73-600654 Y 4.Ed 8/1 : L 97/2
- 21221 Public and private education assistance act of 1972, hearings before General Subcommittee on Education, 92d Congress, 2d session on H.R. 16202, Aug. 14 and 17, 1972. 1972. iii+54 p. il. † ● Item 1015
L.C. card 73-600602 Y 4.Ed 8/1 : P 96/10

Foreign Affairs Committee, House Washington, DC 20515

- 21222 Capital markets and economic development: Kleinman plan, hearing before Subcommittee on Inter-American Affairs, 92d Congress, 2d session, July 25, 1972. 1972. iii+128 p. il. ● Item 1017
L.C. card 73-600760 Y 4.F 76/1 : C 17

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- 21223 Decision to homeport in Greece, report of Subcommittee on Europe and Near East, with minority and additional views; Dec. 31, 1972. 1972. xi+27 p. (Committee print, 92d Congress, 2d session.) †
L.O. card 73-600635 Y 4.F 76/1: G 81/4
- 21224 Inter-American relations, collection of documents, legislation, descriptions of inter-American organizations, and other material pertaining to inter-American affairs; [compiled by Barry Sklar and Virginia Hagen]; Oct. 10, 1972. 1972. viii+648 p. (Committee print, 92d Congress, 2d session.) * Paper, \$2.75 (S/N 5270-01609).
L.O. card 72-603293 Y 4.F 76/1: In 8/53
- 21225 Issues at 27th General Assembly of United Nations, hearing before Subcommittee on International Organizations and Movements, 92d Congress, 2d session, Sept. 27, 1972. 1972. iii+26 p. † • Item 1017
L.O. card 72-603543 Y 4.F 76/1: Un 34/20
- 21226 Legislative review activities of Committee Foreign Affairs, 92d Congress; Dec. 30, 1972. 1972. vi+29 p. (Committee print.) †
Y 4.F 76/1: L 52/2/972
- 21227 National security policy and changing world power alignment, hearing-symposium before Subcommittee on National Security Policy and Scientific Developments, 92d Congress, 2d session, May 24-Aug. 8, 1972. 1972. vi+509 p. il. * Paper, \$2.25. • Item 1017
L.O. card 72-603524 Y 4.F 76/1: Se 2/3
- 21228 New China policy, its impact on United States and Asia, hearings before Subcommittee on Asian and Pacific Affairs, 92d Congress, 2d session, May 2-17, 1972. 1972. iv+310 p. * Paper, \$2.00. • Item 1017
L.O. card 72-603700 Y 4.F 76/1: C 44/12
- 21229 Science, technology, and American diplomacy: Commercial nuclear power in Europe, interaction of American diplomacy with new technology, prepared for Subcommittee on National Security Policy and Scientific Developments, by Warren H. Donnelly; Dec. 1972. 1972. x+163 p. il. (Committee print.) * Paper, \$1.25 (S/N 5270-01680).
L.O. card 73-600634 Y 4.F 76/1: Sci 2/9
- 21230 — Mekong project, opportunities and problems of regionalism, prepared for Subcommittee on National Security Policy and Scientific Developments, by Franklin P. Huddle, Science Policy Research Division, Congressional Research Service, Library of Congress; May 1972. 1972. v+70 p. 1 pl. (Committee print.) †
L.O. card 72-602290 Y 4.F 76/1: Sci 2/8
- 21231 Soviet activities in Cuba, hearing before Subcommittee on Inter-American Affairs, 92d Congress, 2d session.
L.O. card 73-600506 Y 4.F 76/1: So 8/17/pt.3
pt. 3. Sept. 26, 1972. 1972. iii+35 p. † • Item 1017
- 21232 Trade adjustment assistance, report of Subcommittee on Foreign Economic Policy; Aug. 29, 1972. 1972. v+28 p. (Committee print, 92d Congress, 2d session.) †
L.O. card 72-603254 Y 4.F 76/1: T 67/4
- 21233 Treasury Department management of U.S. participation in Inter-American Development Bank, hearing before Subcommittee on Inter-American Affairs, 92d Congress, 2d session, Sept. 21, 1972. 1972. iii+120 p. il. † • Item 1017
L.O. card 73-600715 Y 4.F 76/1: In 8/54
- 21234 26th annual meeting of United Nations General Assembly, report, pursuant to H. Res. 109, 92d Congress, May 31, 1972. 1972. x+70 p. (Committee print, 92d Congress, 2d session.) †
Y 4.F 76/1: Un 34/6971

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- 21235 U.S. foreign economic policy, implications for organization of Executive branch, hearings before Subcommittee on Foreign Economic Policy, 92d Congress, 2d session, June 20–Sept. 19, 1972. 1972. iii+212 p. † ● Item 1017
L.C. card 73-600554 Y 4.F 76/1: Ec 7/4
- 21236 U.S. participation in Expo '74 hearing before Subcommittee on International Organizations and Movements, 92d Congress, 2d session on H.R. 16797, Oct. 4, 1972. 1972. iii+26 p. † ● Item 1017
L.C. card 72-603510 Y 4.F 76/1: Ex 7/3
- 21237 United States and Persian Gulf, report of Subcommittee on Near East; Sept. 29, 1972. 1972. x+16 p. il. (Committee print, 92d Congress, 2d session.) †
L.C. card 72-603224 Y 4.F 76/1: P 43/3

Government Operations Committee, House Washington, DC 20515

- 21238 Advisory Commission on Intergovernmental Relations, hearing before subcommittee, 92d Congress, 2d session, on H.R. 12547, H.R. 14180, H.R. 14473, and related bills, Aug. 2, 1972. 1972. iv+94 p. † ● Item 1016
L.C. card 73-600755 Y 4.G 74/7: In 8/17
- 21239 Alleged misuse of OEO funds, hearings before subcommittee, 92d Congress, 2d session, Aug. 17 and Sept. 12, 1972. 1972. iv+150 p. † ● Item 1016
L.C. card 73-600661 Y 4.G 74/7: Ec 7/2
- 21240 FDA regulation of new drug Serc, hearing before subcommittee, 92d Congress, 2d session, Sept. 25, 1972. iv+126 p. † ● Item 1016
L.C. card 73-600723 Y 4.G 74/7: Se 6
- 21241 U.S. Government information policies and practices, hearings before subcommittee, 92d Congress, 2d session.
L.C. card 70-614955 Y 4.G 74/7: In 3/12/pt.9
pt. 9. Public access to information from executive branch advisory groups, June 6–19, 1972. 1972. iv+3313–3758 p. * Paper, \$2.75 (S/N 5270-01657).
● Item 1016

Interior and Insular Affairs Committee, House Washington, DC 20515

- [Committee hearings] serial, 92d Congress. † Y 4.In 8/4: 92–(nos.)
- 21242 19. Designation of wilderness areas, hearings before Subcommittee on Public Lands, 92d Congress, 2d session.
L.C. card 72-600829
pt. 2. H.R. 7295 [and other bills] Mar. 9–July 28, 1972. 1972. ix+301 p. il.
● Item 1023
- 21243 32. Land and water conservation fund act and related programs, hearings before Subcommittee on National Parks and Recreation, 92d Congress, 2d session, with respect to development in areas within National park system, Feb. 3–17, 1972. 1972. iii+127 p. il. ● Item 1023
L.C. card 73-600750
- 21244 33. Big Cypress Preserve, Fla., hearings before Subcommittee on National Parks and Recreation, 92d Congress, 2d session, on H.R. 10410, H.R. 13017, and H.R. 13155, [Feb. 15–Sept. 26, 1972. iv+180 p. il. map. [Hearings held Fort Meyers, Fla. and Washington, D.C.] † ● Item 1023
L.C. card 73-600707
- 21245 40. Proposed Upper Mississippi River National Recreation area, hearings before Subcommittee on National Parks and Recreation, 92d Congress, 2d session, on H.R. 10529 and related bills, Mar. 25–June 19, 1972. 1972. iv+118 p. [Hearings held in Davenport, Ohio, and Washington, D.C.] ● Item 1023
L.C. card 73-600803
- 21246 41. Proposed Florida Frontier Rivers, National Cultural Park, hearing before Subcommittee on National Parks and Recreation, 92d Congress, 2d session, on H.R. 586, Mar. 28, 1972. 1972. iii+45 p. ● Item 1023
L.C. card 73-600740
- 21247 42. Fuel and energy resources, 1972, summary, 92d Congress. Sept. 15, 1972. [1]+6 leaves
- 21248 49. Thaddeus Kosciuszko Home National Historic Site, hearings before Subcommittee on National Parks and Recreation, 92d Congress, 2d session, on H.R. 256, Sept. 6, 1972. 1972. iv+95 p. ● Item 1023
L.C. card 73-600705

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- 21249 50. Preservation of historical and archeological data, hearings before Subcommittee on National Parks and Recreation, 92d Congress, 2d session, on H.R. 735, Sept. 11 and 12, 1972. 1v+113 p. ● Item 1023
L.C. card 73-600785
- 21250 52. 1976 winter olympic games, hearing before Subcommittee on National Parks and Recreation, 92d Congress, 2d session, on H.R. 14597, Sept. 25, 1972. 1972. iii+120 p. il. ● Item 1028
L.C. card 73-600766
- 21251 54. Seizure of Bureau of Indian Affairs headquarters, hearings before Subcommittee on Indian Affairs, 92d Congress, 2d session, Dec. 4 and 5, 1972. 1972. 1v+179 p. ● Item 1023
L.C. card 73-600951

Internal Security Committee, House Washington, DC 20515

- 21252 Federal civilian employee loyalty program, report by Subcommittee on Loyalty-Security, 92d Congress, 2d session. 1972. ix+213 p. (Committee print.) *Paper, \$1.50 (S/N 5270-01681). Y 4:In 8/15: L 95
L.C. card 73-600789
- Theory and practice of communism in 1972, hearings, 92d Congress, 2d session. Y 4:In 8/15: C 73/972/pt.1
L.C. card 72-603737
- 21253 pt. 1. Southeast Asia, May 25 and July 20, 1972. 1972. v+7761-7817+il p. il. *Paper, 55c. ● Item 1026

Interstate and Foreign Commerce Committee, House Washington, DC 20515

- [Committee hearing] serial, 92d Congress. † ● Item 1019
Y 4:In 8/4: 92-(nos.)
- 21254 98. Emergency health personnel act amendments of 1972, hearing before Subcommittee on Public Health and Environment, 92d Congress, 2d session, on H.R. 16755, H.R. 16545, H.R. 16869, and S. 3858, Sept. 28, 1972. 1972. iii+120 p.
L.C. card 72-603542
- 21255 99. Attorney's fees for property loss or damage, hearing before Subcommittee on Transportation and Aeronautics, 92d Congress, 1st session, on H.R. 4978 [and other bills] June 30, 1971. 1972. iii+46 p.
L.C. card 72-603715
- 21256 101. FCC monitoring of employees' telephones, hearings before Special Subcommittee on Investigations, 92d Congress, 2d session, Mar. 28, and May 16, 1972. 1972. iii+82 p.
L.S. card 72-603810
- 21257 102. Food labeling and food inspection, hearing before Subcommittee on Public Health and Environment, 92d Congress, 2d session, on H.R. 14641 (and other bills) May 12, 1972. 1972. iii+119 p.
L.C. card 72-603820
- 21258 103. Sonic boom regulation, hearing before Subcommittee on Transportation and Aeronautics, 92d Congress, 1st session, on H.R. 5492 [and identical bills] June 22, 1971. 1972. 1v+60 p.
L.C. card 72-603807
- 21259 104. State imposts on interstate wine, hearing before Subcommittee on Commerce and Finance, 92d Congress, 2d session, on H.R. 9029 (and identical bills), Oct. 2, 1972. 1972. 1v+75 p. il.
L.C. card 73-600603
- 21260 105. Clean air oversight, hearings before Subcommittee on Public Health and Environment, 92d Congress, 1st and 2d sessions, on review of implementation of various provisions of Clean air act of 1970, Dec. 20, 1971-Jan. 28, 1972. 1972. vii+555 p.
L.C. card 72-600567
- 21261 107. Drug abuse prevention act oversight, hearings before Subcommittee on Public Health and Environment, 92d Congress, 2d session, on drug abuse control activities of Federal Government, Feb. 1-May 15, 1972. 1972. v+321 p. il.
L.C. card 73-600829
- 21262 108. Natural gas act amendments of 1971, hearings before Subcommittee on Communications and Power, 92d Congress, 1st session, on H.R. 2513 (and all identical bills), Sept. 14-21, 1971. 1972. vii+494 p. il.
L.C. card 73-600515
- 21263 110. State technical services act amendments, hearings before Subcommittee on Commerce and Finance, 92d Congress, 1st session, on H.R. 7110, H.R. 6976 (and identical bills), June 24-July 14, 1971. 1972. vi+349 p. il.
L.C. card 73-600721

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- 21264 Emergency medical services, Federal programs, proposals and other background, prepared by Staff for use of Subcommittee on Public Health and Environment; June 23, 1972. 71 p. il. (Committee print, 15, 92d Congress, 2d session.) †
L.C. card 72-602294 Y 4.In 8/4: M 46/12
- 21265 Study of health facilities construction costs, see Committee on Labor and Public Welfare Committee, Senate.

Judiciary Committee, House Washington, DC 20515

- [Committee hearings] serial, 92d Congress.
- 21266 39. Elimination of cigarette racketeering, hearings before subcommittee 1, 92d Congress, 2d session on H.R. 12184 and related bills, Sept. 28, 1972. 1972. iii+92 p. † ● Item 1020
L.C. card 73-600716 Y 4.J 89/1: 92-39

Merchant Marine and Fisheries Committee, House Washington, DC 20515

- [Committee hearings] serial, 91st Congress.
- 21267 43. Public Health Service hospital closings, hearings, 91st Congress, 2d session, on investigation of reported plans by Department of Health, Education, and Welfare and the Administration to close all the Nation's U.S. Public Health Service hospitals and clinics, Dec. 22 [and] 30, 1970. 1972. iv+98 p. †
● Item 1021
L.C. card 73-600509 Y 4.M 53: 91-43
- [Committee hearings] serial, 92d Congress. † ● Item 1021 Y 4.M 53: 92-(nos.)
- 21268 30A. Panama Canal treaty negotiations, addendum to hearings before Subcommittee on Panama Canal, 92d Congress, 2d session, Nov. 29-Aug. 10, 1972. iii+373-511 p. il.
L.C. card 72-603626
- 21269 33. Intermodal transportation, hearings before Subcommittee on Merchant Marine, 92d Congress, 2d session, on H.R. 15465, Sept. 18-26, 1972. 1972. iii+199 p. il. [Hearings held in Washington, D.C. and San Francisco, Calif.]
L.C. card 72-603811
- 21270 34. Merchant marine miscellaneous, pt. 4, hearings before Subcommittee on Merchant Marine and Special Subcommittee on Maritime Education and Training, 92d Congress, 2d session, on H.R. 13832 [and other bills] June 14-Sept. 12, 1972. 1972. v+201 p. il.
L.C. card 76-614335
- 21271 35. Maritime oversight and authorization, hearings before Subcommittee on Merchant Marine, 92d Congress, 2d session, on H.R. 16987 and Maritime Administration oversight [and] Federal Maritime Commission oversight, Oct. 10, 1972. 1972. iii+64 p.
L.C. card 73-600601
- 21272 36. Coast guard field activity, hearings before Subcommittee on Coast Guard, Coast and Geodetic Survey, and Navigation, 92d Congress, 2d session, on Coast Guard Auxiliary small boat problems, Staten Island, N.Y. Coast Guard problems, MV Tamano oil spill, New England fishery problems, Aug. 25-Oct. 7, 1972. 1972. v+255 p. il.
L.C. card 73-600722
- 21273 37. Coast Guard miscellaneous, pt. 2, hearings before Subcommittee on Coast Guard and Navigation, 92d Congress, 2d session, on Port and waterways safety pt. 2, Oil pollution convention, Coast Guard oversight, June 12-Oct. 17, 1972. 1972. iv+303 p.
L.C. card 72-602976

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

- [Committee hearings] serial, 92d Congress. † ● Item 1022 Y 4.P 84/10: 92-(nos.)
- 21274 23. Working conditions and postal construction program, U.S. Postal Service, hearings before Subcommittee on Postal Facilities and Mail, 92d Congress, 1st and 2d sessions, July 21, 1971-Oct. 4, 1972. 1972. v+640 p. il.
L.C. card 72-600652
- 21275 46. Proposals to reform Federal classification systems, hearings before Subcommittee on Employee Benefits, 92d Congress, 2d session, May 24-Sept. 19, 1972. 1972. iv+363 p. il.
L.C. card 72-603516

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- [Committee hearings] serial, 92d Congress—Continued
- 21276 51. Concept of national voter registration, hearings before Subcommittee on Census and Statistics, 92d Congress, 2d session, Feb. 24–July 28, 1972. 1972. viii+809 p. 1l.
L.C. card 72-608823
- 21277 52. Reduction-in-force, retirement, and fringe benefit legislation, hearings before Subcommittee on Retirement, Insurance, and Health Benefits, 92d Congress, 2d session on H.R. 14960, May 25 [and] July 21, 1972. 1972. iv+244 p.
L.C. card 72-603523
- 21278 53. Review of administration of Federal employees' health benefits program, pt. 3, hearings before Subcommittee on Retirement, Insurance, and Health Benefits, 92d Congress, 2d session, Aug. 10–Sept. 19, 1972. 1972. iii+103 p.
L.C. card 70-614265
- 21279 54. Legislative oversight review of Civil Service Commission, hearings before Subcommittee on Investigations, 92d Congress, 2d session, Sept. 26–Oct. 4, 1972. 1972. iii+249 p.
L.C. card 73-600718
- 21280 Current salary schedules of Federal officers and employees together with history of salary and retirement annuity adjustments, 1945–72; Jan. 1972. 1972. iii+15 p. (Committee print 17, 92d Congress, 2d session.)
* Paper, 15c.
L.C. card 72-600809 Y 4.P 84/10: Sa 3/16/945-72
- 21281 Current salary schedules of Federal officers and employees together with history of salary and retirement annuity adjustments, 1945–73; Jan. 1973. iii+15 p. (Committee print 1, 93d Congress, 1st session.) * Paper, 15c.
L.C. card 73-600945 Y 4.P 84/10: Sa 3/16/945-73
- 21282 Study of retired uniformed services personnel in Federal civilian service, Sept. 1972, prepared by Civil Service Commission for Subcommittee on Manpower and Civil Service, 92d Congress, 2d session; Nov. 22, 1972. 1972. ii+44 p. (Committee print 22, 92d Congress, 2d session.)
* Paper, 30c. (S/N 5270-01656).
L.C. card 73-600911 Y 4.P 84/10: P 43/5/972

Public Works Committee, House Washington, DC 20515

- [Committee publications], 92d Congress. † Y 4.P 96/11: 92-(nos.)
- 21283 34. Allotment of space in Federal courthouses or in Federal buildings which include Federal courts, hearings before Subcommittee on Public Buildings and Grounds, 92d Congress, 2d session, May 2 [and] 18, 1972. 1972. iii+117 p. 1l. ● Item 1024
L.C. card 72-603819
- 21284 36. Report to Congress on water pollution control, manpower development and training activities by Environmental Protection Agency, Office of Water Programs; Mar. 1972. 1972. xvi+209 p. (Committee print, 92d Congress, 2d session.)
L.C. card 72-602620
- 21285 37. Capitol power plant improvements, hearings before Subcommittee on Public Buildings and Grounds, 92d Congress, 2d session, on H.R. 14475, June 13, 1972. 1972. iii+44 p. ● Item 1024
L.C. card 72-603721
- 21286 40. Highway safety, design and operations, operational deficiencies, hearings before Subcommittee on Investigations and Oversight, 92d Congress, 2d session, Apr. 11–June 22, 1972. 1972. iii+398 p. 1l. ● Item 1024
L.C. card 73-600563
- 21287 43. To consider accommodations for handicapped on METRO system, hearing before Subcommittee on Public Buildings and Grounds, 92d Congress, 2d session, June 29, 1972. 1972. iii+73 p. ● Item 1024
L.C. card 72-603716
- 21288 44. Amendments to Federal "Buy American act", hearing before Subcommittee on Public Buildings and Grounds, 92d Congress, 2d session, on H.R. 13283 and related bills, July 18, 1972. 1972. ix+69 p.
L.C. card 73-600606
- 21289 49. Non-point source pollution from agricultural, rural, and developing areas, hearings before Subcommittee on Conservation and Watershed Development, 92d Congress, 2d session, on H.R. 15596 and related bills, Aug. 15–17, 1972. 1972. iv+151 p. ● Item 1024
L.C. card 72-603513
- 21290 50. Estimated construction cost of sewage treatment facilities planned for period fiscal years 1972–74; Sept. 1972. 1972. ii+5 p. (Committee print, 92d Congress, 2d session.)
L.C. card 72-603549

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- 21291 53. Committee on Public Works, legislative history, 92d Congress, 1st session [and] 2d session; Nov. 1972. 1972. v+94 p. (Committee print, 92d Congress, 2d session.)
L.C. card 73-800954

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

- 21292 Problems of small business in gasoline marketing, hearings before Subcommittee on Activities of Regulatory Agencies Relating to Small Business, 92d Congress, 2d session, pursuant to H. Res. 5 and 19, May 12-30, 1972. 1972. vi+355+A 140 p. il. [Hearings held in Washington, D.C. and New York, N.Y.] † ● Item 1031
L.C. card 73-600744 Y 4.Sm 1: G 21/3

Veterans' Affairs Committee, House Washington, DC 20515

- 21293 [Economic validation of rating schedule.] July 20, 1971. 67 p. (Committee print 109.) †
L.C. card 72-603673 Y 4.V 64/3: R 18/3
- 21294 Veterans' Administration hospital grade deescalation summary, compiled Dec. 8, 1972. 1972. iii+188 p. (Committee print 224, 92d Congress, 2d session.) †
L.C. card 73-600633 Y 4.V 64/3: H 79/32

Ways and Means Committee, House Washington, DC 20515

- 21295 Summary of social security amendments of 1972 see Finance Committee, Senate

INTERNAL REVENUE TAXATION JOINT COMMITTEE Washington, DC 20515

- 21296 Summary of Senate amendments to H.R. 7577, prepared by Staff; Oct. 17, 1972. 1972. [1]+8 p. (Committee print.) †
L.C. card 72-603548 Y 4.In 8/11: Un 2/2
- 21297 Summary of Senate amendments to H.R. 14370, State and fiscal assistance, or Revenue sharing act of 1972, prepared for use of House and Senate conferences on H.R. 14370 by the Staff; Sept. 14, 1972. 1972. [1]+21 p. (Committee print.) †
L.C. card 72-603547 Y 4.In 8/11: St 2/4
- 21298 Summary of testimony on administration's pension proposal, Individual retirement benefits act of 1971 (H.R. 12272) at public hearings, May 8-16, 1972 held by Ways and Means Committee, prepared by Staff; Oct. 1972. 1972. [1]+25 p. (Committee print.) †
L.C. card 72-603553 Y 4.In 8/11: P 38
- 21299 Summary of testimony on Federal aid to public and private elementary and secondary education (H.R. 16141 and related bills) at public hearings, Aug. 14-Sept. 7, 1972, held by Committee on Ways and Means, prepared by staff; Oct. 3, 1972. 1972. [1]+16 p. (Committee print.) †
L.C. card 72-603551 Y 4.In 8/11: El 2/2

PRINTING JOINT COMMITTEE Washington, DC 20510

- 21300 Government paper specification standards, no. 7, Dec. 1972. cover title, [49] leaves, 4° [Issued in looseleaf form. Supersedes all previous issues.] * Paper, \$2.00 (including supplementary material for an indefinite period); 50c. additional for foreign mailing. ● Item 1004
Y 4.P 93/1: 7/7

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SENATE
Washington, DC 20510

Journal of executive proceedings of Senate.

NOTE.—These volumes are distributed by the Secretary of the Senate. The distribution is limited as the number printed is restricted by law to 50 copies.

- 21301 v. 113. 92d Congress, 1st session, Jan. 21-Dec. 17, 1971, with index. 1972. iii +744 p. † Y 1.3/4: 113

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, 92d Congress.

- 21302 93. Federal water pollution act, veto message from the President of United States returning without approval bill (S. 2770). Oct. 17, 1972. 103 p. † ● Item 996
- 21303 98. Summary of major accomplishments, 92d Congress, Jan. 21, 1971-Oct. 18, 1972, together with statement by Mike Mansfield, Senate Majority Leader; Oct. 18, 1972. 1972. xviii+161 p. † ● Item 996
- 21304 99. Tributes to Len B. Jordan of Idaho in Senate upon occasion of his retirement from the Senate; Oct. 17, 1972. 1972. ii+31 p. † ● Item 996
- 21305 100. Tributes to Karl E. Mundt of South Dakota in the Senate upon occasion of his retirement from the Senate; Oct. 18, 1972. 1973. ii+6 p. † ● Item 996

Senate executive document

Senate executive document, 92d Congress, 1st session.

- 21306 A. Treaty with Columbia concerning status of Quita Sueño, Roncador, and Serrana, message from the President transmitting treaty signed Bogota Sept. 8, 1972; Jan. 9, 1973. 1973. viii+7 p. † Y 1.93/1: A

Senate executive reports

Senate executive reports, 92d Congress, 2d session. † Y 1.92/2: rp.(nos.)

- 21307 34. Aircraft sabotage convention. Report from Committee on Foreign Relations to accompany Ex.T. 92d Cong. 2d sess. Oct. 2, 1972. 27 p. L.C. card 72-603433
- 21308 39. Nomination of Sidney P. Marland, jr. Report together with individual views from Committee on Labor and Public Welfare to accompany nomination of Sidney P. Marland, jr. Oct. 14, 1972. 14 p.

Senate reports

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

Senate reports on public bills, 92d Congress. † Senate Document Room, Capitol. ● Item 1008-A

- 21309 1026. To facilitate payment of transportation charges. Report of Committee on Commerce on S. 3240; Aug. 8, 1972. 1972. iii+14 p.
- 21310 1221. Importation of pre-Columbian sculpture and murals, customs port security, judicial review in countervailing duty cases. Report from Committee on Finance to accompany H.R. 9463. Sept. 25, 1972. 13 p.
- 21311 1246. Departments of Labor, and Health, Education, and Welfare, and related agencies appropriation bill, 1973. Report from Committee on Appropriations to accompany H.R. 16654. Sept. 29, 1972. 39 p.
- 21312 1298. Importation of pre-Columbian sculpture and murals. Conference report to accompany H.R. 9463. Oct. 13, 1972. 4 p.

Aging, Special Committee on, Senate Washington, DC 20510

- 21313 Adequacy of Federal response to housing needs of older Americans, hearings before Subcommittee on Housing for the Elderly, 92d Congress, 2d session.

L.C. card 75-616396

Y 4.Ag 4: H 81/3/pt.9

pt. 9. Boston, Mass., Oct. 2, 1972. 1972. iii+539-604 p. * Paper, 45c. ● Item 1009

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Agriculture and Forestry Committee, Senate
Washington, DC 20510

- 21314 Rural development act of 1972, analysis and explanation, Public law 92-419; Oct. 3, 1972. 1972. xii+65 p. (Committee print, 92d Congress, 2d session.) †
L.C. card 72-603495 Y 4.Ag 8/2: R 88/18
- 21315 Rural development, 1971, year of listening and watching development of growing consensus that something must be done for people of American countryside; May 31, 1972. 1972. vi+507 p. (Committee print, 92d Congress, 2d session.) †
L.C. card 72-602291 Y 4.Ag 8/2: R 88/17

Armed Services Committee, Senate
Washington, DC 20510

- 21316 Staff report on drug and alcohol abuse among U.S. military personnel and dependents in Germany for information of Subcommittee on Drug Abuse in Military, 92d Congress, 2d session. 1972. v+11 p. (Committee print, 92d Congress, 2d session.) †
L.C. card 72-603482 Y 4.Ar 5/3: D 84/4

Banking, Housing, and Urban Affairs Committee, Senate
Washington, DC 20510

- 21317 Federal-aid highway act of 1972, hearing before Subcommittee on Housing and Urban Affairs, 92d Congress, 2d session on S. 3939, Sept. 7, 1972. 1972. iii+168 p. il. † ● Item 1035
L.C. card 72-603825 Y 4.B 22/3: H 53
- 21318 Flood insurance, 1972, hearing before Subcommittee on Housing and Urban Affairs, 92d Congress, 2d session on S. 2794, Aug. 15, 1972. 1972. iii+191 p. il. † ● Item 1035
L.C. card 72-603815 Y 4.B 22/3: F 65/5
- 21319 Institutional membership on national securities exchanges, hearings before Subcommittee on Securities, 92d Congress, 2d session on S. 1164 and S. 3347.
L.C. card 72-603532 Y 4.B 22/3: Se 2/17/pt.1
pt. 1. Includes testimony and additional data, Apr. 18-21, 1972. 1972. viii+433 p. il. † ● Item 1035
- 21320 Securities industry study, hearings before Subcommittee on Securities, 92d Congress, 2d session. † ● Item 1035
L.C. card 75-616388 Y 4.B 22/3: Se 2/14/pt.3
pt. 3. Self-regulation in securities industry, Aug. 8-Oct. 5, 1972. 1972. iv+329 p. il.

Commerce Committee, Senate
Washington, DC 20510

[Committee hearings] serial, 92d Congress. † ● Item 1041

Y 4.C 73/2: 92-(nos.)

- 21321 82. Public health cigarette amendments of 1971, hearings before Consumer Subcommittee, 92d Congress, 2d session, on S. 1454, Feb. 1-10, 1972. 1972. v+996 p. il.
L.C. card 73-600514
- 21322 83. Export expansion act of 1971, hearings before Subcommittee on Foreign Commerce and Tourism, 92d Congress, 2d session, on S. 2754, Jan. 24-Feb. 18, 1972. 1972. viii+955 p. il.
L.C. card 73-600512
- 21323 84. Economic condition of air transportation industry, hearings before Subcommittee on Aviation, 92d Congress, 1st session, Feb. 2-May 20, 1971. 1972. v+1227 p. il. 1 pl.
L.C. card 73-600711
- 21324 85. National Commission on Fire Prevention and Control, hearing, 92d Congress, 2d session, Sept. 21, 1972. 1972. iii+33 p.
L.C. card 73-600562

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[Committee hearings] serial, 92d Congress—Continued

- 21325 86. Licensing of personnel on certain vessels, hearing before Merchant Marine Subcommittee, 92d Congress, 2d session, on H.R. 6479, Apr. 27, 1972. 1972. iii+90 p.
L.C. card 73-600717
- 21326 87. National transportation act of 1971, hearing, 92d Congress, 1st session, on S. 295, S. 1344 [and] S. 2279, Sept. 23, 1971-May 5, 1972. 1973. iv+406 p. il.
L.C. card 73-600957
- 21327 91. Auto safety oversight, hearings, 92d Congress, 2d session, July 19-25, 1972. 1972. iv+543 p. il.
L.C. card 73-600953
- 21328 92. Powerplant siting, hearings, 92d Congress, 2d session, on S. 1684, S. 1915 [and] S. 8631, Apr. 28-June 1, 1972. 1972. v+1026 p. il.
L.C. card 73-600766

District of Columbia Committee, Senate Washington, DC 20510

- 21329 District of Columbia youth act, hearings before Subcommittee on Public Health, Education, Welfare, and Safety, 92d Congress, 2d session, on S. 2693, June 20-21, 1972. 1972. iv+870 p. il. † ● Item 1036
L.C. card 73-600761 Y 4.D 63/2: Y 8
- 21330 Legislating for Nation's capital, report on activities of Committee on District of Columbia, Senate in 92d Congress, 1971-72, pursuant to Senate Res. 24 and Senate Res. 228. 1972. iv+25 p. (Committee print, 92d Congress, 2d session.) †
L.C. card 73-600630 Y 4.D 63/2: L 52/971-72
- 21331 Teachers' salary act amendments of 1972, hearing, 92d Congress, 2d session, on proposed amendments to District of Columbia teachers' salary act of 1955 to increase salaries, to provide certain revisions in retirement benefits of public school teachers, and for other purposes, Oct. 3, 1972. 1972. iv+252 p. il. † ● Item 1036
L.C. card 73-600747 Y 4.D 63/2: T 22/3/972

Equal Educational Opportunity, Select Committee on, Senate Washington, DC 20510

- 21332 Toward equal educational opportunity, report pursuant to S. Res. 359, Feb. 19, 1970, and subsequent resolutions authorizing expenditures of Select Committee on Equal Educational Opportunity, together with additional, individual, and minority views; Dec. 31, 1972. 1972. xix+440 p. il. (Committee print, 92d Congress, 2d session.) * Paper, \$2.75.
L.C. card 73-600943 Y 4.Eq 2: Eq 2/2

Finance Committee, Senate Washington, DC 20510

- 21333 H.R. 1, social security amendments of 1972, opening statement of Senate debate; Sept. 27, 1972. 1972. ii+40 p. (Committee print, 92d Congress, 2d session.) †
L.C. card 72-603219 Y 4.F 49: So 1/32/972
- 21334 Implementation of amendments to improve work incentive program; June 26, 1972. 1972. iii+34 p. il. (Committee print, 92d Congress, 2d session.) †
L.C. card 21334 Y 4.F 49: W 89/12
- 21335 Nominations of Caspar W. Weinberger, of California, to be Secretary of Health, Education, and Welfare, and Frank C. Carlucci, of Pennsylvania, to be under Secretary of Health, Education, and Welfare, hearing, 93d Congress, 1st session, Jan. 11, 1973. 1973. iii+55 p. † ● Item 1038
L.C. card 73-600956 Y 4.F 49: W 43

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- 21336 Summary of social security amendments of 1972, Public law 92-603 (H.R. 1) joint publication, Committee on Finance of Senate and Committee on Ways and Means of House of Representatives; Nov. 17, 1972. 1972. vi+56 p. (Committee print, 92d Congress, 2d session.) * Paper, 45c. (S/N 5270-01646).
L.C. card 72-603704 Y 4.F 49: So 1/33/972

Foreign Relations Committee, Senate Washington, DC 20510

- 21337 Bombing as policy tool in Vietnam, effectiveness, staff study based on Pentagon papers; Oct. 12, 1972. 1972. vi+29 p. (Study 5; Committee print, 92d Congress, 2d session.) †
L.C. card 72-603504 Y 4.F 76/2: V 67/23
- 21338 Canada-United States Interparliamentary Group, report to Senate on 14th meeting, held Ottawa, Ontario, and Montebello, Quebec, Canada, Feb. 16-20, 1972, by Frank Church, Chairman of Senate delegation; May 18, 1972. 1972. iii+8 p. (Committee print, 92d Congress, 2d session.) †
Y 4.F 76/2: C 16/2/972
- 21339 Heroin, can supply be stopped? report by William Spong; Sept. 18, 1972. 1972. v+28 p. (Committee print, 92d Congress, 2d session.) †
L.C. card 72-603496 Y 4.F 76/2: H 43
- 21340 United States and Communist China in 1949 and 1950, question of rapprochement and recognition, staff study; Jan. 1973. 1973. v+19 p. (Committee print, 93d Congress, 1st session.) * Paper, 30c. (S/N 5270-01689).
L.C. card 73-600983 Y 4.F 76/2: C 44/10/949-50

Government Operations Committee, Senate Washington, DC 20510

- 21341 Property tax administration and assessment practices in Montana, staff study prepared by Subcommittee on Intergovernmental Relations; Oct. 1972. 1972. v+42 p. (Committee print, 92d Congress, 2d session.) †
L.C. card 72-603492 Y 4.G 74/6: T 19/3

Interior and Insular Affairs Committee, Senate Washington, DC 20510

- [Committee publications] serial, 92d Congress. Y 4.In 8/13: 92-(nos.)
- 21342 23. Summary report of Cornell workshop on energy and environment Feb. 22-24, 1972, sponsored by National Science Foundation, Research Applied to National Needs (RANN) program, pursuant to S. Res. 45; May 1972. 1972. xii+177 p. il. * Paper, 70c. (Committee print, 92d Congress, 2d session.)
L.C. card 72-602143
- 21343 25. Marine sanctuaries in California, prepared pursuant to S. Res. 45; May 1972. 1972. ix+[1]+21 p. (Committee print.) †
L.C. card 72-602284
- 21344 31. Geothermal energy resources and research, hearings pursuant to S. Res. 45, national fuels and energy policy study, 92d Congress, 2d session, June 15 and 22, 1972. 1972. vi+465 p. il. * Paper, \$2.75 (S/N 5270-01633)
● Item 1040
L.C. card 72-603630
- 21345 Construction of irrigation distribution systems, hearing before Subcommittee on Water and Power Resources (92d Congress, 2d session, on H.R. 9198, Sept. 18, 1972. 1972. iii+28 p. † ● Item 1040
L.C. card 72-603644 Y 4.In 8/13: Ir 7
- 21346 Lone Peak Wilderness area, Utah, and designating segment of Colorado River in Utah as part of wild and scenic rivers system, hearing before Subcommittee on Public Lands, 92d Congress, 2d session, on S. 3466 [and] S. 2901, July 7, 1972. 1972. iv+134 p. il. [Hearing held in Salt Lake City, Utah.] † ● Item 1040
L.C. card 73-600784 Y 4.In 8/13: L 84

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- 21347 Polecat Bench area of Shoshone Extensions Unit, Wyo., hearing before Subcommittee on Water and Power Resources, 92d Congress, 2d session, on S. 124, Sept. 19, 1972. 1972. iv+53 p. † ● Item 1040
L.C. card 73-600508 Y 4.In 8/13: P 75/2
- 21348 Safety of dams, hearing, 92d Congress, 2d session, on S. 3449, July 20, 1972. 1972. iii+89 p. † ● Item 1040
L.C. card 72-603694 Y 4.In 8/13: D 18
- 21349 Tuskegee Institute National Historical Park, hearing before Subcommittee on Parks and Recreation, 92d Congress, 2d session, on S. 3662, Sept. 27, 1972. 1972. iii+41 p. il. † ● Item 1040
L.C. card 73-600870 Y 4.In 8/13: T 87
- 21350 Wasatch National Forest, Utah, hearing before Subcommittee on Public Lands, 92d Congress, 2d session, on S. 1144, July 5, 1972. 1972. iii+45 p. [Hearing held in Salt Lake, Utah.] † ● Item 1040
L.C. card 73-600792 Y 4.In 8/13: W 26

Judiciary Committee, Senate Washington, DC 20510

- 21351 Barbiturate abuse, 1971-72, hearings before Subcommittee to Investigate Juvenile Delinquency, 92d Congress, 1st and 2d session, pursuant to S. Res. 32, sec. 12 and S. Res. 256, Dec. 15, 1971-June 13, 1972. 1972. xiv+1565 p. il. † ● Item 1042
L.C. card 73-600767 Y 4.J 89/2: R 23
- 21352 Cyclamates, hearings before ad hoc subcommittee, 92d Congress, 2d session, on H.R. 1366, Sept. 7 and 8, 1972. 1972. viii+310 p. il. † ● Item 1042
L.C. card 73-600713 Y 4.J 89/2: C 99/2
- 21353 Federal protection of Indian resources, hearings before Subcommittee on Administrative Practice and Procedure, 92d Congress, 1st session, on Federal administrative protection of Indian rights and natural resources.
L.C. card 72-601883 Y 4.J 89/2: In 2/9/pt.6
pt. 6. Jan. 5, 1972. 1972. iv+1237-1456 p. il. [Hearings held in Nixon, Nev. (Pyramid Lake Reservation).] † ● Item 1042
- 21354 Frederick, Md., hearing before subcommittee, 92d Congress, 2d session, on S. 1842, Aug. 2, 1972. 1972. iii+92 p. † ● Item 1042
L.C. card 73-600946 Y 4.J 89/2: F 87/6
- 21355 Human cost of communism in Vietnam, compendium prepared for Subcommittee to Investigate Administration of Internal Security Act and Other Internal Security Laws. 1972. iii+123+x p. (92d Congress, 2d session, Committee print.) * Paper, 55c.
L.C. card 72-601100 Y 4.J 89/2: C 73/58
- Reform of Federal criminal laws, hearings before Subcommittee on Criminal Laws and Procedures, 92d Congress, 2d session. † ● Item 1042
L.C. card 77-612341 Y 4.J 89/2: C 86/12/pt. (nos.)
- 21356 pt. 3, subpt. C. Comparative law, policy questions, Mar. 21, 1972. 1972. iv+1837-2988 p.
21357 pt. 3, subpt. D. Policy questions, May 23-25, 1972. 1973. v+2989-3572 p. il.
- 21358 Selective service and amnesty, hearings before Subcommittee on Administrative Practice, and Procedure, 92d Congress, 2d session, Feb. 28-Mar. 1, 1972. 1972. iv+671 p. † ● Item 1042
L.C. card 72-603824 Y 4.J 89/2: Se 4/5

Labor and Public Welfare Committee, Senate Washington, DC 20510

- 21359 Action act of 1972 and Action domestic programs, hearings, 92d Congress, 2d session on S. 3450. † ● Item 1043
L.C. card 73-600531 Y 4.L 11/2: Ac 8/pt. (nos.)

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- pt. 1. Joint hearings before Special Subcommittee on Human Resources and Subcommittee on Aging, Older Americans Action programs, Apr. 12, 1972. 1972. iv+1-111 p.
- pt. 2. Hearings before Special Committee on Human Resources, May 12-June 5, 1972. 1972. vii+113-900 p. il.
- 21360 Aid to nonpublic education, 1971-72, hearings before Subcommittee on Education, 92d Congress, 1st and 2d sessions, Dec. 2, 1971 and Jan. 11, 1972. 1972. vi+526 p. il. † ● Item 1043
L.C. card 73-600563 Y 4.L 11/2: Ed 8/30
- 21361 Comprehensive correctional training and employment act, 1972, hearing before Subcommittee on Employment, Manpower, and Poverty, 92d Congress, 2d session, on S. 2962, June 19, 1972. 1972. v+385 p. il. [Hearing held in Rikers Island, N.Y.] † ● Item 1043
L.C. card 73-600714 Y 4.L 11/2: C 81/972
- 21362 Comprehensive headstart, child development, and family service act of 1972, bill text and section analysis prepared by Subcommittee on Employment, Manpower, and Poverty; June 1972. 1972. ii+89 p. (Committee print, 92d Congress, 2d session.) †
L.C. card 72-602580 Y 4.L 11/2: H 34/29/972
- 21363 Coverage of nonprofit hospitals under National labor relations act, 1972, hearings before Subcommittee on Labor, 92d Congress, 2d session, on H.R. 11357, Aug. 16 and Sept. 6, 1972. 1972. vi+370 p. il. † ● Item 1043
L.C. card 72-602580 Y 4.L 11/2: H 79/4
- 21364 Education revenue sharing act of 1971, hearings before Subcommittee on Education, 92d Congress, 1st session on S. 1669, Oct. 27-Nov. 3, 1971. 1971. v+271 p. † ● Item 1043
L.C. card 72-603695 Y 4.L 11/2: Ed 8/28
- 21365 Emergency health personnel act amendments of 1972, hearing before Subcommittee on Health, 92d Congress, 2d session on S. 3858 [and] S. 3867, Aug. 2, 1972. 1972. iv+172 p. il. † ● Item 1043
L.C. card 72-603749 Y 4.L 11/2: H 34/26
- 21366 Equal educational opportunities act of 1972, hearings before Subcommittee on Education, 92d Congress, 2d session on S. 3395, Mar. 24-Sept. 25, 1972. 1972. viii+1393 p. il. † ● Item 1043
L.C. card 73-600511 Y 4.L 11/2: Ed 8/29
- Farmworkers in rural America, 1971-72, hearings before Subcommittee on Migratory Labor, 92d Congress, 1st and 2d sessions.
L.C. card 73-600536 Y 4.L 11/2: F 22/2/pt.5 B
- 21367 pt. 5. B. Appendix. 1972. v+[1]+3555-4046 p. il. † ● Item 1043
- 21368 Health services for domestic agricultural workers, 1972, joint hearing before Subcommittee on Health and Subcommittee on Migratory Labor, 92d Congress, 2d session, on S. 3762, Aug. 1, 1972. 1972. iv+240 p. il. † ● Item 1043
L.C. card 73-600513 Y 4.L 11/2: H 34/28
- 21369 Implementation of Occupational safety and health act, 1972, hearings before Subcommittee on Labor, 92d Congress, 2d session, on oversight hearings on implementation of Occupational safety and health act, July 25-Sept. 19, 1972. 1972. vii+614 p. il. † ● Item 1043
L.C. card 73-600710 Y 4.L 11/2: Sa 1/6
- 21370 Leading causes of death in selected areas of the world, prepared for Special Subcommittee on International Health, Education, and Labor Programs; Dec. 1972. 1972. xi+80 p. il. map. (Committee print, 92d Congress, 2d session.) †
L.C. card 73-600631 Y 4.L 11/2: D 34/4
- 21371 Legislative history of Service contract act amendments of 1972 (H.R. 15376, Public law 92-473, approved Oct. 9, 1972, prepared by Subcommittee on Labor; Dec. 1972. 1972. v+84 p. (Committee print, 92d Congress, 2d session.) †
L.C. card 73-600637 Y 4.L 11/2: Se 6/6

GOVERNMENT PUBLICATIONS

- 21372 Longshoremen and harbor workers' compensation act amendments of 1972, changes made by Public law 92-576, approved Oct. 27, 1972, Subcommittee on Labor; Nov. 1972. 1972. iii+81 p. (Committee print, 92d Congress, 2d session.) †
L.C. card 72-603484 Y 4.L 11/2: L 86/4
- 21373 Migrant children's nutrition, 1972, joint hearing before Subcommittee on Migratory Labor, Committee on Labor and Public Welfare, and Select Committee on Nutrition and Human Needs, 92d Congress, 2d session, on migrant children's food program failures, May 1, 1972. 1972. iii+306 p. il. † ● Items 1043 and 1009
L.C. card 73-600571 Y 4.L 11/2: M 58/11
- 21374 Nomination, hearing, 92d Congress, 2d session, on Colston A. Lewis, of Virginia, to be member of Equal Employment Opportunity Commission, Sept. 20, 1972. 1972. ii+11 p. † ● Item 1043
L.C. card 73-600939 Y 4.L 11/2: N 72/5/972-10
- 21375 Nomination, hearing, 92d Congress, 2d session on Kay McMurray of Illinois to be member of National Mediation Board, Sept. 20, 1972. 1972. ii+5 p. † ● Item 1043
L.C. card 73-600659 Y 4.L 11/2: N 72/5/972-11
- 21376 Nomination, hearings, 92d Congress, 2d session, on Sidney P. Marland, Jr., of New York to be Assistant Secretary for Education in Department of Health, Education, and Welfare, Sept. 20 and 27, 1972. 1972. ii+95 p. † ● Item 1043
L.C. card 73-600802 Y 4.L 11/2: N 72/5/972-12
- 21377 Professional public health training grants and assistance, 1972, hearing before Subcommittee on Health, 92d Congress, 2d session on S. 3441, S. 3752 [and] S. 3764, July 27, 1972. 1972. iv+107 p. il. † ● Item 1043
L.C. card 72-603635 Y 4.L 11/2: H 34/27
- 21378 Service contract act amendments, 1972, hearings before Subcommittee on Labor, 92d Congress, 2d session on S. 3827 [and] H.R. 15376, Aug. 16 and Sept. 6, 1972. 1972. iv+126 p. † ● Item 1043
L.C. card 72-603631 Y 4.L 11/2: Se 6/5/972
- 21379 Study of health facilities construction costs by Comptroller General made pursuant to sec. 204 of Comprehensive health manpower training act of 1971, report to Congress along with comments by related U.S. agencies and private organizations; Dec. 1972. 1972. xiv+888 p. il. (Joint committee print, 92d Congress, 2d session.) † Y 4.L 11/2: H 34/30

Nutrition and Human Needs, Select Committee on, Senate Washington, DC 20510

- 21380 Migrant children's nutrition, 1972, joint hearing, *see* Labor and Public Welfare Committee, Senate.
- 21381 Nutrition and human needs, 1972, hearings, 92d Congress, 2d session, on nutrition and human needs.
L.C. card 72-602216 Y 4.N 95: N 95/972/pt.4 A
pt. 4A. Food additives, Sept. 19, 1972. 1973. vi+805-1198 p. il. * Paper, \$2.35.
● Item 1009

Public Works Committee, Senate Washington, DC 20510

- [Committee publications] serial, 92d Congress. † ● Item 1045
Y 4.P 96/10: 92-(nos.)
- 21382 H 39. Omnibus water resources authorization, 1972, hearings before Subcommittee on Flood Control Rivers and Harbors, 92d Congress, 2d session.
L.C. card 72-603126
- 21383 H 41. Implementation of resource recovery act of 1970, hearing before Subcommittee on Air and Water Pollution, 92d Congress, 2d session, Aug. 23, 1972. 1972. iii+48 p. [Hearing held in San Diego, Calif.]
L.C. card 72-603537

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APRIL 1973

Veterans' Affairs Committee, Senate Washington, DC 20510

- 21384 Educational benefits available for returning Vietnam era veterans, hearings before Subcommittee on Readjustment, Education, and Employment, 92d Congress, 2d session, on S. 2161 and related bills.
L.C. card 73-600585 Y 4.V 64/4: V 67/3/pt.1
pt. 1. Mar. 23, 1972. 1972. vi+557 p. * Paper, \$3.25. ● Item 1046-A
- 21385 National cemeteries act of 1972, hearings, 92d Congress, 2d session, on S. 2052 and related bills.
L.C. card 73-600958 Y 4.V 64/4: C 33/pt.1
pt. 1. Feb. 22, 1972. [1972.] iv+451 p. ll. † ● Item 1046-A
- 21386 Veterans' Administration activities, June 1972, submitted by Veterans' Administration. 1972. v+99 p. (Committee print 12, 92d Congress, 2d session.) †
L.C. card 73-600935 Y 4.V 64/4: V 64/972-5
- 21387 Veterans' Administration activities, July 1972, 92d Congress. 1972. v+109 p. 4° (Committee print, 16, 92d Congress, 2d session.) †
L.C. card 73-600982 Y 4.V 64/4: V 64/972-6
- 21388 World War I pension act of 1972, hearing before Subcommittee on Compensation and Pensions, 92d Congress, 2d session on S. 3070 and related bills, Sept. 12, 1972. 1972. iii+97 p. † ● Item 1046
L.C. card 72-603511 Y 4.V 64/4: P 38/2

COPYRIGHT OFFICE, Library of Congress Washington, DC 20540

- 21389 Catalog of copyright entries, 3d series, v. 26. * Paper, \$50.00 a yr. (including semiannual issues for pts. 1-13); \$12.50 additional for foreign mailing.
L.C. card 6-35347 LC 3.6/5: v.26/pt.6/no.1
pt. 6, no. 1. Maps and atlases, Jan.-June, 1972. 1972. x+70 p. 4° ● Item 797
NOTE.—Part 6 is also sold separately on subscription. * Paper, \$5.00 a yr., \$1.25 additional for foreign mailing; single copy, \$2.50.

COUNCIL ON ENVIRONMENTAL QUALITY, Executive Office of the President, 722 Jackson Pl. NW., Washington, DC 20036

- 21390 Integrated pest management, Nov. 1972. x+41 p. ll. 4° * Paper, 55c. (S/N 4111-0010). ● Item 856-E PrEx 14.2: P 43

CUSTOMS COURT

- 21391 United States Customs Court: v. 67, Cases adjudged in United States Customs Court July-Dec. 1971. [1972.] xi+888 p. [Includes classification decisions C.D. 4243-4319, reappraisalment decisions R.D. 11747-11759, A.R.D. 292-297, customs rules decisions 71/1-71/6, abstracted protest decisions P71/409-P71/691, abstracted reappraisalment decisions R71/176-R71/366, abstracted valuation decisions V71/17-V71/27.] * Cloth, \$7.25 (S/N 2803-0029). ● Item 736 Ju 9.5: 67

DEFENSE CIVIL PREPAREDNESS AGENCY, Defense Dept. Washington, DC 20301

NOTE.—The Defense Civil Preparedness Agency was established by direction of the Secretary of Defense and began operations May 5, 1972.

HS (series). † D 14.11: (nos.)

- 21392 6.1. Civil defense, U.S.A., programmed orientation to civil defense: unit 1, Civil defense, protection against what? June 1972. ix+21 p. ll. 4° ([Staff College, Battle Creek, Mich.])

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GOVERNMENT PUBLICATIONS

HS (series)—Continued

- 21393 6.2. Civil defense, U.S.A. programmed orientation to civil defense: unit 2, Nuclear weapons, effects and shelter. June 1972. v+64 p. il. 4° ([Staff College, Battle Creek, Mich.])
- 21394 6.3. Civil defense, U.S.A. programmed orientation to civil defense: unit 3, Natural disasters. June 1972. v+26 p. il. 4° ([Staff College, Battle Creek, Mich.])
- 21395 6.4. Civil defense, U.S.A., programmed orientation to civil defense: unit 4, Warning emergency operations and support programs. June 1972. v+44 p. il. 4° ([Staff College, Battle Creek, Mich.])
- 21396 6.5. Civil defense, U.S.A., programmed orientation to civil defense: unit 5, Governmental responsibilities for civil defense. June 1972. v+58 p. il. 4° ([Staff College, Battle Creek, Mich.])
- 21397 Introduction to civil preparedness, how civil preparedness came to be, what civil preparedness is today, help available and where to get it and how outstanding director works. Sept. 1972. iii+28 p. il. 4° (CPG 1-1.) † ● Item 857-D-2 D 14.2: C 49

DEFENSE DEPARTMENT Washington, DC 20301

Defense Supply Agency handbook DSAH (series). ● Item 314-A

D 7.6/7: (nos.)

- 21398 4215.6. [Industrial plant equipment handbook]: Physical properties testing equipment, Change 1. Dec. 19, 1972. [1]+54 p. 4° (SB 708-6635-1; [Navy Dept.] NAVSUP pub. 5504; [Air Force Dept.] AFM 78-10; [Marine Corps] MCO P4870.10B.) [Issued with perforations.] * Paper, 80c.
- 21399 4215.30. [Industrial plant equipment handbook]: Chemical analysis and laboratory instruments, Change 1. Dec. 19, 1972. [1]+14 p. 4° (SB 708-6600-3; [Navy Dept.] NAS-SUP pub. 5529; [Air Force Dept.] AFM 78-38; [Marine Corps] MCO P48-70.35B.) [Issued with perforations.] * Paper, 25c.
- 21400 4215.39. [Industrial plant equipment handbook]: Specialized machinery and ordnance machinery, Change 2. Nov. 22, 1972. [2]+23 p. 4° (SB 708-4900-1; [Navy Dept.] NAVSUP PUB 5538; [Air Force Dept.] AFM 78-48; [Marine Corps] MCO P4870.44A.) [Issued with perforations. Change 2 supersedes change 1, July 5, 1972.] * Paper, 40c.
- 21401 4215.49. Industrial plant equipment handbook: FSC 3405. Metalworking lathes. Nov. 22, 1972. [1]+22 p. 4° (SB 708-3416-1, [Navy Dept.] NAVSUP Pub. 5552, [Air Force Dept.] AFM 78-54, [Marine Corps] MCO P 4870.57.) [Issued with perforations.] * Paper, 30c.
- 21402 5025.2. DSA organization directory. Nov. 1972. cover title, [126] p. 4° ([Air Force Dept.] AFR 67-14.) [Issued with perforations. Supersedes DSAH 5025.2/AFR 67-14, Apr. 28, 1972.] * Paper, \$2.00.

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

D 7.6/8: (nos.)

- 21403 7000.1. Accounting and finance manual, Jan. 1965, Change 35. Dec. 4, 1972. [320] p. 4° [Issued in looseleaf form.]
- 21404 8240.3. Procurement quality assurance for medical materiel. Oct. 1972. cover title, vii+83 p. 4° [Supersedes DoD Handbook H-57, supp. B, Apr. 1970 and interim issuances DCAS-Q-14-71 and DCAS-Q-11-72.]
- 21405 Federal item identification guide: Converters, electrical, rotating, Apr. 9, 1971, Change 1. Nov. 24, 1972. [43] p. 4° (Interim FIIG T 321; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich. Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] * Paper, 70c. ● Item 314-A

D 7.6/4: C 76/10/ch.1

- 21406 — Keys and pins, July 7, 1967, Change 5. Dec. 27, 1972. [73] p. il. 4° (FIIG A 212; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] * Paper, \$1.25. ● Item 314-A D 7.6/4: K 52/ch.5
- 21407 Human engineering guide to equipment design [with lists of references]; edited by Harold P. Van Cott, and Robert G. Kinkada. Revised edition. 1972. x+752 p. 4° (American Institutes for Research.) * Cloth, \$8.00 ● Item 320-A D 4.10: En 3
- 21408 List of institutions participating in college-level examination program. 1972. [1]+12 p. (RM 279.2; United States Armed Forces Institute.) † D 1.2: In 7/2

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Military standard MIL-STD (series). [Issued with perforations.] †
 ● Item 314-J D 7.10-(nos.)

- 21409 1306A. Fluorics, terminology and symbol. Dec. 8, 1972. v+38 p. ll. 4°
 (FSC 1650.) [Supersedes MIL-STD-1306, July 17, 1968.]
- 21410 1399A (NAVY). Interface standard for shipboard systems. Dec. 30, 1972 [published 1973]. v+5 p. 4° (FSC MISC.) [Supersedes Dec. 1, 1970 edition.]
- 21411 1515. Fasteners to be used in design and construction of aerospace and airframe mechanical systems. Oct. 2, 1972, Notice 1, Nov. 20, 1972. [26] p. ll. 4° (FSC 5300.)

Plastics Technical Evaluation Center, Picatinny Arsenal, Dover, N.J.:
 PLASTECH report R (series).

- 21412 42. Solid-phase forming (cold forming) of plastics [with bibliographies]; by Joan B. Titus. Jan. 1972. v+98 p. † D 4.11:42

DOMESTIC COMMERCE BUREAU, Commerce Dept. Washington, DC 20230

- 21413 Competitive edge, address by James M. Owens, Bureau of Domestic Commerce, Department of Commerce, prepared for delivery at 1972 Materials Engineering Congress, American Society for Metals, Cleveland, Ohio, Oct. 17, 1972. [1972.] 5 p. 4° † C 41.15: Ow 2/13
- 21414 Doing business with NATO how U.S. companies can participate, construction, procurement, other business opportunities. [June 1972.] 11 p. narrow 8° † ● Item 215 C 41.2: B 96/5/972

ECONOMIC DEVELOPMENT ADMINISTRATION, Commerce Dept. Washington, DC 20230

- 21415 EDA directory of approved projects as of June 30, 1972; prepared by Office of Administration and Program Analysis, [1972.] vi+301 p. 4° [List all projects approved for Economic Development Administration assistance under Public Law 92-136, passed Aug. 26, 1965.] † ● Item 130-J C 46.19/2: 972

Urban business profile (series); [prepared by Boise Cascade Center for Community Development, Washington, D.C., under contract with Office of Economic Research]. [Prepared in cooperation with Office of Minority Business Enterprise.]

- 21416 Real estate brokerage SIC 653 [with bibliography]. Apr. 1972. [4]+18 p. *Paper, 25c. ● Item 130-L C 46.27: R 22

ECONOMIC OPPORTUNITY OFFICE, Executive Office of the President, Washington, DC 20506

OEO pamphlet.

- 21417 6327-1. New municipal roles in human resource development. [Reprint, Dec. 1972.] [5] p. ll. [Reproduced by permission of Missouri Municipal League.] † ● Item 857-H-17 PrEx 10.23: 6327-1

ECONOMIC RESEARCH SERVICE, Agriculture Dept. Washington, DC 20250

ERS-(series).

- 21418 508. Economic implications of water pollution abatement in family farm livestock production; [by Roy N. Van Arsdall and James B. Johnson]. [Dec. 1972.] vl+44 p. ll. 4° † ● Item 42-I A 93.21: 508

Foreign agricultural economic report.

- 21419 84. Agricultural development and farm employment in India [with list of literature cited.] [Jan. 1973.] cover title, x+109 p. 4° [Text on p. 2 of cover.] † ● Item 42-B A 93.27: 84
 L.C. card 73-600992

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

- 21420 Career education. [1972.] [7] p. narrow 12° ([DHEW publication (OE) 73-00503.]) † ● Item 461 (Rev. 1965) HE 5.2: C 18/3

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GOVERNMENT PUBLICATIONS

Center for Vocational and Technical Education, Ohio State University,
Columbus, Ohio: Research and development series.

- 21421 72. Designs for preparation of vocational and technical teachers of socioeconomically disadvantaged youth [with list of references; by] Harry Huffman, Clyde W. Welter. June 1972. ix+159 p. il. 4° * Paper, \$2.25.
● Item 461 (Rev. 1965) HE 5.2: D 63/6
- 21422 Educational system of Turkey, education around the world [with selected reading list; by Karen L. Wenk and Hakin I. Khan]. [1972.] 14 p. il. 4° ([DHEW publication (OE) 72-130.]) * Paper, 15c. (S/N 1780-1035).
● Item 460-A-14 HE 5.214: 14168
- 21423 Health services for migrant children [with bibliography]; by Beverly A. Bove. Dec. 1972. [3]+96 p. il. 4° [Educational Resources Information Center (ERIC), Clearinghouse on Rural Education and Small Schools (CRESS), New Mexico University, Las Cruces, N. Mex.] * Paper, \$1.50 (S/N 1780-01109). ● Item 461-A (Rev. 1965)
L.C. card 73-600938 HE 5.6/2: M 58
- 21424 National assessment of educational progress, project of Education Commission of States: report 8, Writing, national results, writing mechanics. Feb. 1972. [6]+11+202 p. il. 4° * Paper, \$1.75. ● Item 461 (Rev. 1965)
L.C. card 72-601536 HE 5.2: As 7/rp.8
- PREP [Putting research into educational practice] (series). (National Center for Educational Communication.)
NOTE.—For other numbers in this series, see National Institute of Education.
- 21425 19. Migrant education [with list of references]; by James O. Schnur. [1972.] [3]+33 p. il. 4° ([DHEW publication (OE) 72-9.]) [Issued with perforations.] * Paper, 50c. (S/N 1780-1002). ● Item 461-C HE 5.89: 19
- 21426 Problem solving exercises, National Reading Center, 1776-1976, right to read; [prepared by Leo C. Fay, J. Laffey and Carl Smith]. [1972.] cover title, [102] p. il. oblong 24° † ● Item 461 (Rev. 1965)
HE 5.2: P 94/7
- 21427 Programmatic research and development in education; positions, problems, propositions [with lists of references]; Frank C. Pratzner and Jerry P. Walker, editors. June 1972. ix+93 p. il. [Research and Development Series 70; Center for Vocational and Technical Education, Ohio State University, Columbus, Ohio.] * Paper, 75c. ● Item 461 (Rev. 1965)
HE 5.2: P 94/6
- 21428 Publications of National Center for Educational Statistics. [1972.] [10] p. narrow 8° (DHEW publication (OE) 73-11,100.) † ● Item 455-D
HE 5.10: N 21/2
- 21429 Research and development for advancement of education, annual report, fiscal year 1971, Cooperative research act, Public law 83-531, as amended. [1972.] vi+21 p. 4° (DHEW publication (OE) 72-201.) * Paper, 35c. (S/N 1780-1074). ● Item 460-A-12 HE 5.212: 12091
- 21430 Status of world history instruction in American secondary schools [with lists of references cited; by] William E. Pulliam. 1972. [1]+ii leaves+85 p. il. (Interpretative studies 5; Educational Resources Information Center (ERIC), Clearinghouse for Social Studies Social Science Education (CHESS), Boulder, Colo.) * Paper, 75c. ● Item 461 (Rev. 1965)
HE 5.2: H 62
- 21431 Status report on reading; [by Hope Justus]. [1972.] [6] p. il. 4° ([DHEW publication (OE) 73-01001.]) [Reprinted from issue of Aug.-Sept. 1971.] * Paper, 25c. HE 5.75/a: R 22
- 21432 Title 1 ESEA case study: Continuous progress program, Williamsburg County, S.C. 1972. v+36 p. il. 4° ([DHEW publication (OE) 72-178.]) * Paper, 50c. (S/N 1780-1033). ● Item 460-A-37 HE 5.237: 37099
- 21433 — Spanish English development program, Buffalo, N.Y. 1972. iv+28 p. 4° ([DHEW publication (OE) 72-186.]) * Paper, 35c. (S/N 1780-1005).
● Item 460-A-37 HE 5.237: 37096

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EMERGENCY BOARDS (under sec. 10, Railway labor act)
Washington, DC 20572

- 21434 Report to President by Emergency Board 182, appointed by Executive order 11679 dated Aug. 19, 1972, pursuant to section 10 of Railway labor act, as amended, to investigate dispute between Long Island Rail Road Company and certain of its employees represented by Non-Operating Employees Conference Committee (National Mediation Board case A-9167). Oct. 30, 1972. [1]+38 p. † ● Item 833 NMB 1.7: 182

EMERGENCY PREPAREDNESS OFFICE, Executive Office of
the President, Washington, DC 20504

NOTE.—The name of the Emergency Planning Office has been changed to the Emergency Preparedness Office.

- 21435 Stemming inflation, Office of Emergency Preparedness and the 90-day freeze; [by] Harry B. Yoshpe [and others]. 1972. xv+277 p. il. * Paper, \$2.25. ● Item 856-C-1
L.C. card 73-600502 PrEx 4.2: In 3

ENGINEERS CORP (Army), Defense Dept.

NOTE.—Orders or requests for publications listed below which are not sold by the Superintendent of Documents should be sent to the preparing and issuing office indicated. Address requests to the U.S. Army Corps of Engineers and add the city and state shown. Publications shown as initiated and issued by the Chief of Engineers should be sent to; Office of the Chief of Engineers, Publications Depot, 890 Pickett Street, Alexandria, VA 22304.

- 21436 Big Sandy River floods in Boyd County, Ky. [1973.] [2] p. il. large f° folded into narrow 8° size. [Prepared from data in Flood plain information, Big Sandy River, Boyd County, Ky.] † D 103.47/2: B 69

Cold Regions Research and Engineering Laboratory, Hanover, N.H.:
Research reports. † D 103.33/3: (nos.)

- 21437 302. Measurements of laser extinction in ice fog for design of SEV pilotage system [with list of literature cited; by] Richard Munis and Allan Delaney. Aug. 1972. iii+23 p. il. 4° [Prepared for Advanced Research Projects Agency ARPA order 1615.]

- 21438 303. Soil failure under inclined loads [with list of literature cited; by] William L. Harrison. Aug. 1972. vi+93 p. il. 4° [DA Project 1T062112A130.]

— Special report.

- 21439 182. Preliminary ecological evaluation of effects of air cushion vehicle tests on Arctic tundra of northern Alaska [with lists of literature cited; by] Warren Rickard. Sept. 1972. iii+23 p. il. 4° [Prepared for Advanced Research Projects Agency ARPA order 1615.] † D 103.33/2: 182

— Technical reports. † D 103.33: (nos.)

- 21440 95. Rotary drilling and coring in permafrost: pt. 3, Deep core drilling, core analysis and bore hole thermometry at Cape Thompson, Alaska [with list of literature cited; by] G. Robert Lange and T. K. Smith. Sept. 1972. iii+25 p. il. 4° [Co-sponsored by Atomic Energy Commission.]

- 21441 238. Terminal ballistics in ordinary snow, small arms fire attenuation [with list of literature cited; by] George K. Swinzow. Nov. 1972. iii+21 p. il. 4° [DA Task 4A062112A89403.]

- 21442 239. Effect of snow cover on obstacle-crossing performance of vehicles [with list of literature cited; by] B. Hanamoto. Nov. 1972. iii+31 p. il. 4° [Prepared for Army Materiel Command.]

Cold regions science and engineering monograph: [pt. 2, Physical science].
(Cold Regions Research & Engineering Laboratory, Hanover, N.H.,
Army Materiel Command.)

- 21443 2-A 2a. Seismic exploration in cold regions [with selected bibliography; by] Hans Roethlisberger. Oct. 1972. xv+139 p. il. 4° [DA Project 4A062112A894.] † D 103.33/7: 2-A-2 a

- 21444 Dry Turkey Creek and Bull Creek floods in vicinity of McPherson, Kans. [1972.] [2] p. il. f° folded into narrow 8° size. [Prepared from data in Flood plain information, Dry Turkey and Bull Creek, McPherson, Kans.] † D 103.47/2: M 24

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GOVERNMENT PUBLICATIONS

- 21445 Flood plain information: Dry Turkey and Bull Creeks, McPherson, Kans. Aug. 1972. cover title, iv+31 p. il. 17 pl. 4° [Prepared for city of McPherson by Department of Army, Tulsa District, Corps of Engineers, Tulsa, Okla.] ‡ D 103.47: M 24
- 21446 — Escondido Creek, San Diego County, Calif. May 1972. cover title, [3]+ii+34 p. il. 18 pl. 4° [Prepared for San Diego County by Department of Army, Los Angeles District, Corps of Engineers, Los Angeles, Calif.] ‡ D 103.47: Sa 5 d/4
- 21447 — Falling Creek, Chesterfield County, Va. Aug. 1972. cover title, [3]+ii+31 p. il. 18 pl. 4° ‡ D 103.47: C 42/6
- 21448 — Five Mile Creek, Leavenworth, Kans. June 1972. cover title, a-c+i+24 p. il. 8 pl. 4° [Prepared for city of Leavenworth, Kans. by Corps of Engineers, U.S. Army, Kansas City District.] ‡ D 103.47: L 48
- 21449 — Gulf of Mexico, Big Lagoon, Santa Rosa Sound, Pensacola Bay, East Bay, vicinity of Pensacola, Escambia and Santa Rosa Counties, Fla. June 1972. cover title, [2]+ii+6 p. il. 17 pl. 4° [Prepared for Escambia and Santa Rosa Counties by Dept. of Army, Mobile District, Corps of Engineers, Mobile, Ala.] ‡ D 103.47: Es 1
- 21450 — Kansas and Big Blue Rivers, Manhattan, Kans. May 1972. cover title, a-c+i+25 p. il. 12 pl. 4° [Prepared for city of Manhattan, Kans. by Corps of Engineers, U.S. Army, Kansas City District.] ‡ D 103.47: M 31/5
- 21451 — Mulberry and Little Mulberry Creeks, Mulberry, Ark. Mar. 1972. cover title, iv+27+p. il. 8 pl. 4° [Prepared for city of Mulberry by Corps of Engineers, U.S. Army, Little Rock, Ark. District.] ‡ D 103.47: M 89
- 21452 — Neuse River, Adkin Branch, city of Kinston, N.C. Apr. 1972. cover title, [3]+i+34 p. il. 15 pl. 4° [Prepared for city of Kinston by Dept. of Army, Wilmington District Corps of Engineers, Wilmington, N.C.] ‡ D 103.47: K 62
- 21453 — Poor Fork, Cloverlick Creek, Looney Creek, city of Cumberland, Ky. Aug. 1972. cover title, [3]+i+34 p. il. 10 pl. 4° [Prepared for city of Cumberland by Nashville District, Corps of Engineers, Nashville, Tenn.] ‡ D 103.47: C 91/2
- 21454 — Sand and Cottonwood Creeks and lower Kaweah River, Visalia, Calif. May 1972. cover title, [3]+ii+66 p. il. 60 pl. 4° [Prepared for Tulare County by Department of Army, Sacramento District, Corps of Engineers, Sacramento, Calif.] ‡ D 103.47: V 82
- 21455 — Sheboygan River and Mullet River, Sheboygan County, Wis. Aug. 1971. cover title, [9]+v+66 p. il. 27 pl. 4° [Prepared for city of Sheboygan, city of Sheboygan Falls, city of Plymouth, village of Kohler, town of Sheboygan and Sheboygan County by Corps of Engineers, U.S. Army, Chicago District.] ‡ D 103.47: Sh 3
- 21456 — South Fork Salt River and Davis Creek at Mexico, Mo. Nov. 1971. [2] p. il. oblong 8° folded into narrow 8° size. (St. Louis District.) ‡ D 103.47/2: M 57
- 21457 — Upper St. Vrain Creek, v. 4: Boulder County, Colo. Sept. 1972. cover title, [3]+i+32 p. il. 10 pl. 4° [Prepared for city of Longmont and Boulder County, Colo. by Department of Army, Omaha District, Corps of Engineers.] ‡ D 103.47: B 66/v.4
- 21458 — Whitehead Creek, St. Joseph, Mo. June 1972. cover title, a-c+i+31 p. il. 9 pl. 4° [Prepared for city of St. Joseph, Mo. by Corps of Engineers, U.S. Army, Kansas City, District.] ‡ D 103.47: Sa 2 j
- 21459 — Wolf Creek, Lawton, Okla. June 1972. cover title, ii+34 p. il. 33 pl. 4° [Prepared for city of Lawton by Department of Army, Tulsa District, Corps of Engineers, Tulsa, Okla.] ‡ D 103.47: L 44

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- 21460 Floods, how to avoid damage: Falling Creek, Chesterfield County, Va. 1972. [2] p. il. oblong f° folded into narrow 8° size. [Prepared from data in Flood plain information, Falling Creek, Chesterfield County, Va.] ‡
D 103.47/2: C 42
- 21461 — Glade Creek, Vinton, Va. Dec. 1971. [2] p. il. f° folded into narrow 8° size. [Prepared from data in Flood plain information Glade Creek at Vinton, Va.] ‡
D 103.47/2: V 79
- 21462 — Mulberry, Ark. Mar. 1972. [2] p. il. f° folded into narrow 8° size. [Prepared from data in report, Flood plain information, Mulberry and Little Mulberry Creeks, Mulberry, Ark.] ‡
D 103.47/2: M 89
- 21463 Floods in Kinston, N.C., Neuse River and Adkin Branch. Apr. 1972. [2] p. il. f° folded into narrow 8° size. [Prepared from data in report, Flood plain information, Neuse River and Adkin Branch, Kinston, N.C.] ‡
D 103.47/2: K 62
- 21464 Floods in Leavenworth, Kans. on Five Mile Creek. June 1972. [2] p. il. f° folded into narrow 8° size. [Prepared from data in report, Flood plain information, Five Mile Creek, Leavenworth, Kans.] ‡
D 103.47/2: L 48
- 21465 Floods in Manhattan, Kans. on Kansas River and Big Blue River. May 1972. [2] p. il. narrow f° folded into narrow 8° size. [Prepared from data in report, Flood plain information, Kansas and Big Blue Rivers, Manhattan, Kans.] ‡
D 103.47/2: M 31/4
- 21466 Floods in Monroe county, Ohio. [1973.] [2] p. il. f° folded into narrow 8° size. [Prepared from data in report, Flood plain information, Ohio River, Monroe County, Ohio.] ‡
D 103.47/2: M 75/2
- 21467 Floods in St. Joseph, Mo., on Whitehead Creek. June 1972. [2] p. il. narrow f° folded into narrow 8° size. [Prepared from data in report, Flood plain information, Whitehead Creek, St. Joseph, Mo.] ‡
D 103.47/2: Sa 2 j
- 21468 Floods in Winchester, Conn. [1973.] [2] p. il. f° folded into narrow 8° size. [Prepared from data in report, Flood plain information, Mad and Still Rivers, Winchester, Conn.] ‡
D 103.47/2: W 72/3
- 21469 Floods on Back Creek in Roanoke County, Va. May 1972. [2] p. il. f° folded into narrow 8° size. [Prepared from data in Flood plain information, Back Creek in Roanoke County, Va.] ‡
D 103.47/2: R 53/4
- 21470 Floods on Naches River, vicinity of Naches, Wash. [1972.] [2] p. il. f° folded into narrow 8° size. [Prepared from data in report, Flood plain information, Naches River, City of Naches and Vicinity, Wash.] ‡
D 103.47/2: N 11
- 21471 Floods, Provo River and Slate Canyon Creek, Provo, Utah. [May 1972.] [2] p. il. oblong f° folded into narrow 12° size. [Prepared from data in Flood plain information, Provo River and Slate Canyon Creek, Provo, Utah.] ‡
D 103.47/2: P 94/2
- 21472 Floods, Sand and Cottonwood Creeks and Lower Kaweah River, Visalia, Calif. [June 1972.] [2] p. il. oblong f° folded into narrow 8° size. [Prepared from data in report, Flood plain information, Sand and Cottonwood Creeks and Lower Kaweah River, Visalia, Calif.] ‡
D 103.47/2: V 82
- 21473 Perry County Drainage and Levee Districts nos. 1, 2, and 3, Missouri, letter from chief of engineers, Army, submitting report; Sept. 25, 1972. 1972. xix+120 p. il. 1 pl., 4° [Also issued as H. doc. 360, 92d Cong., 2d sess.] ‡ ● Item 334-A
D 103.22: P 42
- 21473A Point Place, Toledo, Ohio, letter from chief of engineers, Army, submitting report; Sept. 25, 1972. 1972. xii+59 p. il. 1 pl., 4° [Also issued as H. doc. 363, 92d Cong., 2d sess.] ‡ ● Item 334-A
D 103.22: P 75 p

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- 21474 Special flood hazard information report: Gallagher Creek, Meridian, Lauderdale County, Miss. June 1972. cover title. [2]+i+13 p. 11 pl. 4° [Prepared for Mississippi Research and Development Center by U.S. Army Engineer District, Mobile Corps of Engineers, Mobile, Ala.] ‡
D 103.47: M 54
- 21475 — Key Branch, Arlington, Tex. June 1972. [1]+8 p. 3 pl. 4° [Prepared for city of Arlington by Corps of Engineers, U.S. Army, Fort Worth, Tex. District. Issued in envelope. Map on envelope.] ‡
D 103.47: Ar 5/2
- 21476 Stages and discharges of Mississippi River and tributaries in Vicksburg District, 1970. Army-MRC Vicksburg, Miss. [1972.] xiii+[1]+387 p. 11. 4° (U.S. Army Engineer District, Vicksburg Corps of Engineers.)
‡ Paper, \$1.50. D 103.45: 970
- U.S. Army Engineer District, Los Angeles, Calif.: Report.
- 21477 1-109. Supercritical flow in curved channels, hydraulic model investigation; prepared by D. A. Barela], Mar. 1972, addendum. Sept. 29, 1972. 1 p. 4° ‡
D 103.59: 1-109/add.

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).

— Miscellaneous papers.

D 103.24/4: (letters-nos.)

- 21478 M-72-8. Ground truth requirements for remote sensor data acquisition and analysis [with list of literature cited]; by L. E. Link, jr. Army-MRC Vicksburg, Miss., Nov. 1972. ix+38+[2] p. 11. 4° [Sponsored by U.S. Army Engineer Topographic Laboratories, Fort Belvoir, Va., conducted by U.S. Army Engineer Waterways Experiment Station, Mobility and Environmental Systems Laboratory, Vicksburg, Miss. Errata, 1 p. issued also.]
- 21479 S-72-39. Evaluation of XM20 and XM20E1 landing mats under heavy-duty load [with list of literature cited]; by C. J. Smith. Army-MRC Vicksburg, Miss., Dec. 1972. xii+29+[19] p. 11. 12 pl. 4° [Sponsored by Army Materiel Command, project 1G664717DH01-10, conducted by U.S. Army Engineer Waterways Experiment Station, Soils and Pavements Laboratory, Vicksburg, Miss.]
- 21480 S-72-40. Evaluation of Dow Chemical extruded truss-web landing mat [with list of literature cited]; by D. W. White, jr. Army-MRC Vicksburg, Miss., Dec. 1972. xii+35+[29] p. 11. 18 pl. 4° [Sponsored by Army Materiel Command, project 1G664717DH01-10, conducted by U.S. Army Engineer Waterways Experiment Station, Soils and Pavements Laboratory, Vicksburg, Miss.]

— Technical report.

- 21481 H-72-9. Navigation channel improvement, Gastineau Channel, Alaska, hydraulic model investigation; by F. A. Herrmann, jr. Army-MRC Vicksburg, Miss., Nov. 1972. x+46+[70] p. 11. 49 pl. 8 tab. 4° [Sponsored by U.S. Army Engineer District, Alaska, conducted by U.S. Army Engineer Waterways Experiment Station, Hydraulics Laboratory.]
D 103.24/2: H-72-9
- 21482 Wolf Creek floods in vicinity of Lawton, Okla. [1972.] [2] p. 11. f° folded into narrow 8° size. [Prepared from data in report, Flood plain information, Wolf Creek, Lawton, Okla.] ‡
D 103.47/2: L 44

ENVIRONMENTAL DATA SERVICE, Commerce Dept. Washington, DC 20235

Climatology of United States 60-nos., Climate of States.

- 21483 8. Climate of Florida [with bibliography; by] James T. Bradley. Mar. 1959. C 55.221: 8
revised June 1972. [1972.] 31 p. 11. 4° • Paper, 30c. • Item 273-B

World Data Center A for Solar-Terrestrial Physics: Report UAG (series).
‡ Paper, \$9.00 a yr.; \$2.50 additional for foreign mailing; single copies vary in price (National Climatic Center, Federal Bldg., Asheville, NC 28801, Attn: Publications).

- 21484 21. Preliminary compilation of data for retrospective world interval, July 26-Aug. 14, 1972, compiled by J. Virginia Lincoln and Hope I. Leighton. Nov. 1972. [1]+iii+128 p. 11. 4° ‡ Paper, 70c. C 55.220: 21

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ENVIRONMENTAL PROTECTION AGENCY
Washington, DC 20460

- 21485 Aircraft emissions, impact on air quality and feasibility of control [with list of references]. [1972.] cover title, viii+99 p. il. 4° † ● Item 431-I-1
L.C. card 73-600837 EP 1.2: Ai 7/3
- 21486 Awards register, grants assistance programs, showing projects awarded in fiscal year 1972. [1972.] [4]+327 p. 4° (Office of Assistant Administrator for Planning and Management, Grants Administration Division.) [Issued with perforations.] † ● Item 431-I-1 EP 1.2: Aw 1/972
- 21487 Challenge of environment, primer of EPA's statutory authority [with bibliography] Dec. 1972. [3]+43 p. 4° † ● Item 431-I-1
EP 1.2: C 35/972-2
- 21488 Citizen suits under Clean air act; [by Richard E. Ayres and James F. Miller]. [1972.] 12 p. 4° [Reprint from v. 1, issue 4, Natural Resources Defense Council, Inc., newsletter.] † ● Item 431-I-1 EP 1.2: C 498
- 21489 Common environmental terms, glossary; compiled by Gloria J. Studdard. 1973. [31+22+[1] p. † ● Item 431-I-1 EP 1.2: T 27
Ecological research series EPA-R3. (Office of Research and Monitoring.)
- 21490 72-012. Characterization of stream reaeration capacity [with bibliographies]; by E. C. Tsvoglou, J. R. Wallace. [1972.] xii+317+[1] p. il. 4° [Project 16050 EDT.] * Paper, \$3.75. ● Item 431-I-11
EP 1.23: 72-012
- 21491 Economic impact of cleaner environment, address by Thomas E. Carroll, Assistant Administrator for Planning and Management, Environmental Protection Agency, [to Robert Morris Associates, Buffalo, N.Y., Nov. 17, 1971]. [1972.] [1]+9 p. narrow 8° † EP 1.10: C 23/2
Economics of clean water. 1972. ● Item 473-A-2
- 21492 v. 1. xii+157 p. il. 4° [One illustration is colored.] * Paper, \$1.75 (S/N 5501-0377). EP 2.14: 972/v.1
v. 2. Data and technical appendices. vii+696 p. il. 4° * Paper, \$4.75 (S/N 5501-0378). EP 2.14: 972/v.2
Summary analysis. iv+33 p. il. 4° [One illustration is colored.] * Paper, 55c. (S/N 5501-0379). EP 2.14: 972/sum.
- 21493 Environmental protection research catalog, addendum to pt. 1. Jan. 1972. cover title, [1]+602-659 p. 4° (Office of Research and Monitoring, Research Information Division.) † ● Item 431-I-1
EP 1.2: R 31/pt.1/add.
Environmental protection technology series EPA-R2. (Office of Research and Monitoring). ● Item 431-I-12 EP 1.23/2: (nos.)
- 21494 72-001. Evaluation of waste waters from petroleum and coal processing [with list of references]; by George W. Reid and Leale E. Streeb. Dec. 1972 [published 1973]. xii+205+[1] p. il. 4° [Project 12050 DKF.] * Paper, \$2.75.
- 21495 72-014. Rehabilitation of brine-polluted aquifer [with list of references]; by John S. Fryberger. Dec. 1972. vii+61+[1] p. il. 4° [Project 14020 DLN.] * Paper, \$1.25.
- 21496 72-918. Proceedings, 3rd national symposium on food processing wastes, Mar. 28-30, 1972. New Orleans, La.; prepared by Pacific Northwest Water Laboratory, Corvallis, Oreg. Nov. 1972. vii+498+[1] p. il. 4° [Program element 1B-2037. Prepared in cooperation with National Canners Association.] * Paper, \$5.25.
L.C. card 73-600831
- 21497 72-032. Fluidized bed clarification as applied to wastewater treatment [with list of references]; by John C. Orcutt. Dec. 1972. vii+98+[1] p. il. 4° [Contract 14-12-912, project 17030 EYA.] * Paper, \$1.50.
- 21498 72-064. Calcium phosphate precipitation in wastewater treatment [with list of references]; by A. B. Menar and D. Jenkins. Dec. 1972. vii+96+[1] p. il. 4° [Grant 17080 DAR.] * Paper, \$1.50.
- 21499 72-101. Bibliography of livestock waste management [with list of references]; by J. Ronald Miner, Dwayne Bundy, and Gerald Christenbury. Dec. 1972. xiii+137+[1] p. il. 4° [Grant 13040 FUU.] * Paper, \$2.00.
L.C. card 73-600931
- 21500 72-111. Correlated studies of Vancouver Lake-water quality prediction study [with list of references]; by Surinder K. Bhagat, William H. Funk, Donald L. Johnstone. Nov. 1972. viii+120+[1] p. il. 4° [Project 16080 ERQ.] * Paper, \$2.00.

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Environmental protection technology series, EPA R2—Continued

- 21501 72-119. Revegetation augmentation by reuse of treated active surface mine drainage, feasibility study [with list of references]; by Frank J. Zaval, John D. Robins. Nov. 1972. xi+147+[1] p. il. 4° [Project 14010 HNS.] * Paper, \$2.00.
- 21502 72-127. Selected urban storm water runoff abstracts, July 1971-June 1972; by Dorothy A. Sandoski. Dec. 1972. vii+97+[1] p. 4° [Contract 68-01-0161, project 11020 HMM.] * Paper, \$1.50.
L.C. card 72-600836
- 21503 72-129. Beef cattle feedlot site selection for environmental protection [with selected bibliography; by] R. Douglas Kreis and Lynn R. Shuyler. [1972.] v+39 p. il. 4° (National Environmental Research Center.) [Project 13040 WRW; Program element B12039. Some illustrations are colored.] * Paper, \$1.00 (S/N 5501-00455).
- 21504 72-130. Removal of dissolved contaminants from mine drainage [with list of references]; by Jan D. Miller. Dec. 1972. ix+53+[1] p. il. 4° [Project 14010 FKK.] * Paper, \$1.25.
- 21505 72-134. Projects of Pollution Control Analysis Section. Nov. 1972. iv+140 p. il. 4° * Paper, \$2.00.
- 21506 **EXPRO '73** listing of extramural projects to be funded in fiscal year 1973. [1972.] cover title, 253 p. 4° (Office of Research and Monitoring.) †
● Item 431-I-17 EP 1.32: 973
- 21507 Future of automobile, [address by] William D. Ruskelshaus, Administrator, for presentation to American Automobile Association, Detroit, Mich., Sept. 13, 1972. [1972.] 12 p. 4° † EP 1.10: R 82/6
- 21508 Grants administration manual, [Transmittal 5700.1.] Apr. 7, 1972. cover title, [319] p. 4° [Supersedes all existing instructions and procedures. Issued with perforations.] * Paper, \$18.00 for basic book and parts; \$4.50 additional for foreign mailing. ● Item 431-I-10 EP 1.8/2: 5700.1
- 21509 Guidelines for developing or revising water quality standards under Federal water pollution control act amendments of 1972. Jan. 1973. cover title, ii+39 p. 4° (Water Planning Division, Planning and Standards Branch.) † ● Item 431-I-5 EP 1.8: W 29
- 21510 Noise facts digest, June 1972. [1972.] [1]+iii+202 p. il. 4° (Office of Noise Abatement and Control.) [Prepared under contract 68-01-0512 by Informatics Inc.] † ● Item 431-I-15 EP 1.30: 972
- 21511 Noise from heavy construction. Aug. 1972. [6] p. il. narrow 8° * Paper, 15c.
● Item 431-I-1 EP 1.2: N 69/20
- 21512 Prototype of environmental civilization, address by William D. Ruckels-haus, Administrator, Environmental Protection Agency, to Comstock Club, Sacramento, Calif., Oct. 17, 1972. [1972.] [1]+8 p. narrow 8° †
● Item 431-I-6 EP 1.10: R 82/7
- 21513 Public hearings on noise abatement and control, conducted by Office of Noise Abatement and Control: v. 6, Transportation noise (rail and other), urban noise problems and social behavior, New York, N.Y., Oct. 21-22, 1971. [1972.] iv+324 p. il. * Paper, \$1.50 (S/N 5500-0038).
● Item 431-I-1 EP 1.2: N 69/3/v.6
L.C. card 72-601279
- 21514 — v. 8, Technology and economics of noise control, national programs and their relations with State and local programs, Washington, D.C., Nov. 9-12, 1971. [1972.] iv+515 p. il. * Paper, \$2.00 (S/N 5500-0039). ● Item 431-I-1
L.C. card 72-601279 EP 1.2: N 69/3/v.8
- Solid waste management SW (series). ● Item 431-I-7 EP 1.17: (nos.)
- 21515 4p. Solid waste demonstration projects, proceedings of symposium, Cincinnati, May 4-6, 1971; compiled by Patricia L. Stump. 1972. ix+256 p. il. * Paper, \$1.50.
L.C. card 73-600616
- 21516 34d.1. Solid waste handling and disposal in multistory buildings and hospitals: v. 1, Summary, conclusions, and recommendations; by ESCO/GREEN-LEAF. 1972. [265] p. il. 4° [Prepared under solid waste management demonstration grant EC-00164 to County of Los Angeles.] * Paper, \$2.00 (S/N 5502-0082).
- 21517 58.16. Solid waste management, list of available literature. Oct. 1972. vi+45 p. 4° * Paper, 50c.

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- 21518 State air programs, digest, fiscal year 1972. [Aug. 1972.] cover title, [3]+100 p. il. 4° (Office of Legislation, Division of Intergovernmental Relations.) † ● Item 431-I-16 EP 1.33: 972
- 21519 Water pollution and rule of law, address by John R. Quarles, jr., Assistant Administrator for Enforcement and General Counsel, Environmental Protection Agency, presented at American Bar Association National Institute, Oct. 26, 1972, New York, N.Y. [1972.] [1]+8 p. narrow 8° † ● Item 431-I-6 EP 1.10: Qu 2/2
- Water pollution control research series. ● Item 473-A-1 EP 1.16: (nos.)
- 21520 13030 ELY 05/71-12. Bio-engineering aspects of agricultural drainage, San Joaquin Valley, Calif.: Desalination of agricultural tile drainage [with bibliographies; by Bryan R. Sword]. May 1971 [published 1972]. ix+32+[1] p. il. 4° ([REC-R2-71-12; DWR 174-15; Research and Monitoring.]) [Study conducted by Robert S. Kerr Water Research Center, Treatment and Control Research Program, Ada, Okla.] * Paper, \$1.00.
- 21521 13030 ELY 06/71-14. Bio-engineering aspects of agricultural drainage, San Joaquin Valley, Calif.: phase 2. Denitrification by anaerobic filters and ponds [with bibliographies; by James R. Jones]. June 1971 [published 1972]. ix+34+[1] p. il. 4° ([REC-R2-71-14; DWR 174-17; Research and Monitoring.]) [Study conducted by Robert S. Kerr Water Research Center Treatment and Control Research Program, Ada, Okla.] * Paper, 75c.
- 21522 13030 ELY 08/71-9. Bio-engineering aspects of agricultural drainage, San Joaquin Valley, Calif.: Effects of agricultural waste water treatment on algal bioassay response [with bibliographies; by Milton G. Tunzi]. Aug. 1971 [published 1972]. ix+57+[1] p. il. 4° ([REC-R2-71-9; DWR 174-12; Research and Monitoring.]) [Text on p. 2 of cover.] * Paper, \$1.00.
- 21523 18040 DAZ 04/72. Water quality criteria data book, v. 4: Investigation into recreational water quality [with bibliography]; by Byron J. Mechas [and others, Envirogenics Co., Division of Aerojet-General Corp., El Monte, Calif.]. Apr. 1972. x+256+[1] p. il. 4° (Office of Research and Monitoring.) [Contract 14-12-539.] * Paper, \$3.00.
- Water quality standards criteria digest, compilation of Federal/State criteria. †
- 21524 Oil. Aug. 1972. [3]+6 leaves, 4° EP 1.29/2: O15
- 21525 Phosphates. Aug. 1972. cover title, [1]+21 p. ● Item 431-I-14 EP 1.29/2: P 56
- 21526 Temperature. Aug. 1972. cover title, [1]+22 p. 4° ● Item 431-I-14 EP 1.29/2: T 24
- 21527 Your world, my world, book for young environmentalists. [1973.] 48 p. il. 4° [Illustrations are colored.] * Paper, \$1.50 (S/N 5500-00079). ● Item 431-I-1
- L.C. card 73-600989 EP 1.2: W 89/2

EQUAL EMPLOYMENT OPPORTUNITY COMMISSION Washington, DC 20506

- 21528 Equal employment opportunity in trucking, an industry at crossroads; [by] Jack E. Nelson. Nov. 1971 [published 1972]. iv+78 p. 4° [Contract EE072001.] † ● Item 1059-A-1 Y 3.Eq 2: 2 T 76

FARM CREDIT ADMINISTRATION Washington, DC 20578

- 21529 Production credit associations, summary of operations, 1971. [1972.] cover title, [16] p. oblong 8° [Text on p. 2 of cover.] † ● Item 430-J-5 FCA 1.22: 971

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GOVERNMENT PUBLICATIONS

FEDERAL AVIATION ADMINISTRATION, Transportation Dept. Washington, DC 20553

- 21530 Acceptable methods, techniques, and practices: Aircraft alterations, Change 13, Oct. 17, 1972. [3] p. 4° (AC 43.13-2) [Issued in looseleaf forms.] * Paper, \$3.50 (including basic manual and supplementary material for an indefinite period); \$1.00 additional for foreign mailing.
● Item 431-F-6 TD 4.28: 971/ch.13
- 21531 FAA film catalog. 1972. [2]+20 p. il. oblong 12° † TD 4.2: F 48/972
- 21532 Federal aviation regulations: v. 10 Sept. 1969 [reprinted 1972]. cover title. [269] p. 4° [Issued in looseleaf form. Consolidated reprint incorporates transmittals 1-7.] * Paper, \$8.00 (including basic volume and supplementary material for an indefinite period); \$2.00 additional for foreign mailing. ● Item 431-C-13
- Includes: pt. 139, Certification and operations, land airports serving CAB-certificated scheduled air carriers operating large aircraft (other than helicopters)—pt. 151, Federal aid to airports—pt. 152, Airport aid program—pt. 153, Acquisition of U.S. land for public airports—pt. 155, Release of airport property from surplus property disposal restrictions—pt. 159, National Capital airports—pt. 165, Wake Island code [delete]—pt. 167, Annette Island, Alaska, Airport. TD 4.6/3: 10/rep.
- 21533 Model airport hazard zoning ordinance. Sept. 19, 1972. cover title, 5+17 p. il. 4° (Advisory circular 150/5190-3A.) [Issued with perforations. Cancels AC 150/5190-3, Model airport zoning ordinance, Jan. 16, 1967.]
† TD 4.8: Z 7

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

- 21534 FBI annual report, fiscal year 1972. Dec. 12, 1972. cover title, [6]+46 p. il. † ● Item 721-A J 1.14/1: 972

FEDERAL DEPOSIT INSURANCE CORPORATION Washington, DC 20429

- 21535 Assets and liabilities, commercial and mutual savings banks, June 30, 1971, errata tables. Nov. 1971. 19 p. 4° [Joint report of Federal Deposit Insurance Corporation, Board of Governors of Federal Reserve System, Office of Comptroller of Currency.] † Y 3.F 31/8: 9-2/971/errata

FEDERAL HEALTH PROGRAMS SERVICE, Health, Education, and Welfare Dept., Rockville, MD 20852

- 21536 HSHMA employee health program on alcoholism, policies, procedures, and assignment of responsibilities. [Jan. 1973.] 16 p. narrow 8° ([DHEW publication (HSM) 73-2036.]) [Text on p. 2-3 of cover.] †
HE 20.2702: A1 1/2

FEDERAL HIGHWAY ADMINISTRATION, Transportation Dept. Washington, DC 20591

- 21537 Economic and social effects of highways, summary and analysis. 1972. ix+104 p. il. 4° * Paper, \$1.25 (S/N 5001-00036). ● Item 982-G-5
L.C. card 73-600574 TD 2.2: H 53/5
- 21538 Highway and its environment, 4th annual awards competition, 1971. [1972.] 26+[1] p. il. oblong 12° [Some illustrations are colored.]
* Paper, 60c. (S/N 5001-0032). ● Item 982-G-3 TD 2.14: 4
- 21539 Urban freeway surveillance and control, state of art [with list of references]; by Paul F. Everall. Nov. 1972. vii+177 p. il. 4° † ● Item
982-G-5 TD 2.2: Ur 1/5

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Water supply and waste disposal series.

- 21540 v. 6. Oxidation ditch sewage waste treatment process [with list of references; by Homer W. Parker]. Apr. 1972. v+52 p. il. 4° (Staff report. Hydraulics and Hydrology Group, Office of Research.) * Paper, 60c. (S/N 5001-0034). ● Item 982-G-10 TD 2.32: 6

FEDERAL HOME LOAN BANK BOARD Washington, DC 20552

- 21541 Address by Carl O. Kamp, jr., Member, Federal Home Loan Bank Board 29th annual meeting, National League of Insured Savings Associations, Los Angeles, Calif., Oct. 18, 1972. [1972.] [1]+5 p. † FHL 1.23: K 12/6
- 21542 Conversion prospects for 1973 [address] by Charles E. Allen, General Counsel, Federal Home Loan Bank Board, 29th annual meeting, National League of Insured Savings Associations, Los Angeles, Calif., Oct. 18, 1972. [1972.] [1]+3 p. 4° † FHL 1.23: A1 5
- 21543 Economic trends and savings and loan industry [address] by Halbert C. Smith, Director, Office of Economic Research, 84th annual convention, Ohio Savings and Loan League, Columbus, Ohio, Oct. 11 1972. [1972.] [1]+14 p. 4° † FHL 1.23: Sm 5
- 21544 Future is now [address] by Preston Martin, Chairman, Federal Home Loan Bank Board, 80th annual convention, United States Savings and Loan League, Miami Beach, Fla., Nov. 14, 1972. [1972.] [1]+26 p. 4° † FHL 1.23: M 36/18
- 21545 Savings and loan industry, challenges for 1973 [address] by Preston Martin, Chairman, Federal Home Loan Bank Board, 29th annual meeting, National League of Insured Savings Associations, Los Angeles, Calif., Oct. 16, 1972. [1972.] [1]+9 p. 4° † FHL 1.23: M 36/17
- 21546 State boundaries and savings and loan branching [address] by Thomas Hal Clarke, Board Member, Federal Home Loan Bank Board, 21st annual convention, Savings Association League of New York State, Dorado, Puerto Rico, Oct. 10, 1972. [1972.] [1]+6 p. 4° † FHL 1.23: C 55/2
- 21547 Work in progress, Federal Home Loan Mortgage Corporation's role in establishing national secondary mortgage market [address] by Thomas R. Bomar, Executive Vice President, Federal Home Loan Mortgage Corporation, 84th annual meeting, Ohio Savings and Loan League, Columbus, Ohio, Oct. 10, 1972. [1972.] [1]+6 p. 4° † FHL 1.23: B 63/2

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

- 21548 State trends, supplement to FHA trends, sec. 203, Home mortgages insured by FHA, proposed homes, fourth quarter, 1971. [1972.] 8 p. 4° (RR: 250-S; Housing Production and Mortgage Credit, Division of Research and Statistics, Statistical Analysis & Research Branch.) [Issued with perforations.] † HH 2.24/2: 971/2

FEDERAL MARITIME COMMISSION Washington, DC 20573

SP (series). †

FMC 1.9: (nos.)

- 21549 72-16. Remarks of Vice Chairman George H. Hearn of Federal Maritime Commission at annual dinner of Hampton Roads Port Council, sponsored by Maritime Trades Department of AFL-CIO, Norfolk, Va., Oct. 16, 1972. [1972.] 6 p. 4°
- 21550 72-17. Remarks of Vice Chairman George H. Hearn of Federal Maritime Commission at 61st annual convention of American Association of Port Authorities, Miami, Florida, Oct. 25, 1972. [1972.] 9 p. 4°

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GOVERNMENT PUBLICATIONS

FEDERAL POWER COMMISSION Washington, DC 20426

- 21551 Federal Power Commission reports, opinions, decisions and orders: v. 37, Jan. 1-June 30, 1967. 1972. xxxvii+1279 p. il. 1 pl. * Cloth, \$10.00.
● Item 438 FP 1.20: 37
- FPC S--(series).
- 21552 225. Gas supplies of interstate natural gas pipeline companies, 1971; [prepared by Bureau of Natural Gas]. Dec. 1972. [2]+v+132 p. il. map 4° * Paper, \$2.25. ● Item 440 FP 1.21: 225
- 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, \$22.50 a yr., \$5.75 additional for foreign mailing.
- 21553 Maryland and District of Columbia. Nov. 1972. [2]+11 p. 4° [Supersedes issue of Feb. 1970.] * Paper, 25c. ● Item 437-A-18 FP 1.18: M 36/972
- 21554 Minnesota. Nov. 1972. [2]+34 p. 4° [Supersedes issue of Nov. 1971.] * Paper, 25c. ● Item 437-A-21 FP 1.18: M 66/972
- 21555 Nevada. Dec. 1972. [2]+6 p. 4° [Supersedes issue of June 1971.] * Paper, 25c. ● Item 437-A-26 FP 1.18: N 41/972
- 21556 North Carolina. Sept. 1972. [2]+28 p. 4° [Supersedes issue of Aug. 1970.] * Paper, 25c. ● Item 437-A-31 FP 1.18: N 81 c/972
- 21557 South Carolina. Sept. 1972. [2]+14 p. 4° [Supersedes issue of June 1971.] * Paper, 25c. ● Item 437-A-38 FP 1.18: So 8 c/972
- 21558 1970 national power survey pt. 4, Errata sheet. [1972.] 1 p. 4° † ● Item 436 FP 1.2: P 87/970/pt.4/errata

FEDERAL RAILROAD ADMINISTRATION, Transportation Dept. Washington, DC 20591

- 21559 Development and manufacture of linear induction motor propulsion system for tracked air cushion research vehicle, final report. Apr. 1971. cover title, [264] p. il. 4° (Office of High Speed Ground Transportation; report FRA RT-72-35.) [Prepared by AiResearch Manufacturing Co., Division of Garrett Corporation, Torrance, Calif. under contract DOT-FR-00029] TD 3.2: T 67/5
† ● Item 701-B

FEDERAL REGISTER OFFICE, General Services Administration Washington, DC 20408

Code of Federal regulations, revised as of Oct. 1, 1972. [1972.] [Contains codification of documents of general applicability and future effect as of Oct. 1, 1972, with ancillaries.] * Paper, \$200.00 a yr., \$50.00 additional for foreign mailing; single copies vary in price. ● Item 572

- 21560 46. Shipping, pts. 146-149. vi+943 p. il. * Paper, \$5.75. GS 4.108: 46/pt.146-149/972-2
- 21561 46. Shipping, pts. 150-199. vi+655 p. il. * Paper, \$4.25. GS 4.108: 46/pt.150-199/972-2
- 21562 47. Telecommunication, pt. 80-end, 48 (Reserved), vi+702 p. il. * Paper, \$4.50. GS 4.108: 47(pt.80-end),48/972-2
- 21563 49. Transportation, pts. 100-199. vi+905 p. il. * Paper, \$5.75. GS 4.108: 49/pt.100-199/972-2
- 21564 49. Transportation, pts. 200-999. vi+621 p. il. * Paper, \$4.25. GS 4.108: 49/pt.200-999/972-2

FEDERAL RESERVE SYSTEM BOARD OF GOVERNORS Washington, DC 20551

- 21565 Bank card and payment mechanism, remarks of George W. Mitchell, Member, Board of Governors of Federal Reserve System at 1972 National Bank Card Conference, Bank card opportunities, the future is now! sponsored by American Bankers Association, Denver, Colo., Sept. 12, 1972. 1972. [1]+15 p. 4° † FR 1.23: M 69/66

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- 21566 Bank debits and demand deposits, 1971, seasonally adjusted summary figures, by districts, by months, individual centers by months (old basis). Oct. 26, 1972. [15] p. 1° (C.5 and C.5a; 233 Center series; Division of Data Processing.) †
FR 1.17/2: 971-2
 - 21567 Banking and monetary statistics, 1971. [1972.] 20 p. 4° [Reprinted from Federal reserve bulletin, Feb., Mar. & July 1972.] †
FR 1.3/a: B 225/14/971
 - 21568 Correspondent banking's future role, remarks of George W. Mitchell, Member, Board of Governors of Federal Reserve System, at National correspondent banking seminar sponsored by American Bankers Association, New Orleans, La., Oct. 30, 1972. [1972.] [1]+11+[7] p. 4° †
FR 1.23: M 69/67
 - 21569 Interest rates and credit demands in United States, remarks by Andrew F. Brimmer, Member, Board of Governors of Federal Reserve System, before 79th annual convention of Savings Banks Association of New York State, Boca Raton, Fla., Nov. 10, 1972. [1972.] 42+[7] p. 4° †
FR 1.23: B 77/83
 - 21570 Member bank borrowing, portfolio strategy, and management of Federal Reserve discount policy, paper by Andrew F. Brimmer, Member, Board of Governors of Federal Reserve System presented at 47th Annual Conference of Western Economic Association, Santa Clara, Calif., Aug. 25, 1972. 1972. [4]+2+48+[26] p. 4° †
FR 1.23: B 77/84
 - 21571 Monetarist criticism and conduct of flexible monetary policy in United States, lecture by Andrew F. Brimmer, Member, Board of Governors of Federal Reserve System, presented at Institute of Economics and Statistics, Oxford University, Oxford, England, Apr. 24, 1972. 1972. [8]+28+6 p. †
FR 1.23: B 77/87
 - 21572 Official hours and holidays to be observed by Federal Reserve offices during year 1973. (K. 8; Federal Reserve System Board of Governors, Division of Federal Reserve Bank Operations.) [Annual, beginning with Nov. 29, 1972 release.] †
FR 1.50: 973
 - 21573 Problems and prospects in America economy, remarks of John E. Sheehan, Member, Board of Governors of Federal Reserve System before American Life Convention, San Francisco, Calif., Oct. 16, 1972. 1972. [1]+12 p. 4° †
FR 1.23: Sh 3/2
- Regulations (series). †
- 21574 D. [Reserves of member banks] amendment, effective Nov. 9, 1972. [1972.] [1] p. 4°
FR 1.6: D/970/amdt.-3
 - 21575 D. [Reserves of member banks] as amended effective Nov. 16, 1972, supplement. [1972.] [1] p. 4°
FR 1.6: D/970/supp.-3
 - 21576 G. Securities credit by persons other than banks, brokers, or dealers, amendments, effective May 15, 1972. Aug. 1972. 1 p. 4°
FR 1.6: G/969/amdt.-4
 - 21577 G. [Securities credit by persons other than banks, brokers, or dealers], supplement, May 1972, reprinted Aug. 1972. [4] p. 4° [Contains supplement effective for period of May 15-Sept. 17, 1972, and supplement effective Sept. 18, 1972. Supersedes supplements effective Dec. 6, 1971 and May 15, 1972.]
FR 1.6: G/969/supp.-3
 - 21578 G. [Securities credit by persons other than banks, brokers, or dealers], supplement, effective Nov. 24, 1972. [1972.] [2] p. 4° †
FR 1.6: G/969/supp.-4
 - 21579 J. Collection of checks and other items by Federal reserve banks, amendment, effective Nov. 9, 1972. [1972.] [2] p. 4°
FR 1.6: J/969/rev./amdt.-2
 - 21580 T. Credit by brokers and dealers, amendment effective May 15, 1972. Aug. 1972. [3] p. 4°
FR 1.6: T/969/amdt.-3
 - 21581 T. Credit by brokers and dealers, amendment, effective May 15, 1972. Oct. 1972. [3] p. 4°
FR 1.6: T/969/amdt.-4
 - 21582 T. [Credit by brokers and dealers], supplement, May 1972, reprinted Aug. [1972.] [4] p. 4° [Contains supplement effective for period of May 15, 1972-Sept. 17, 1972, and supplement effective Sept. 18, 1972. Supersedes supplement effective Dec. 6, 1971.]
FR 1.6: T/969/supp.-4
 - 21583 T. [Credit by brokers and dealers] supplement, effective Nov. 24, 1972. [1972.] [2] p. 4°
FR 1.6: T/969/supp.-5
 - 21584 U. Credit by banks for purpose of purchasing or carrying margin stocks, amendment effective May 15, 1972. Aug. 1972. 1 p. 4°
FR 1.6: U/969/amdt.-6
 - 21585 U. Credit by banks for purpose of purchasing or carrying margin stocks, amendment effective May 15, 1972. Oct. 1972. [4] p. 4°
FR 1.6: U/969/amdt.-7

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Regulations (series)—Continued

- 21586 U. Credit by banks for purpose of purchasing or carrying margin stocks, supplement, Oct. 1972. [4] p. 4° [Contains supplement effective for period of May 15, 1972–Sept. 17, 1972, and supplement effective Sept. 18, 1972. Supersedes supplement effective Dec. 6, 1972.] FR 1.6: U/969/supp.-4
- 21587 U. [Credit by banks for purpose of purchasing or carrying margin stocks] supplement, effective Nov. 24, 1972. [1972.] [2] p. 4° † FR 1.6: U/969/supp.-5
- 21588 Remarks of Jeffrey M. Bucher, Member, Board of Governors of Federal Reserve System, to California Bankers Association, Santa Barbara, Calif., Oct. 28, 1972. [1972.] [1]+19 p. 4° † FR 1.23: B 85
- 21589 Road ahead, outlook for blacks in business, presidential address by Andrew F. Brimmer, Member, Board of Governors of Federal Reserve System before 57th Annual Meeting of Association for Study of Negro Life and History, Cincinnati, Ohio, Oct. 19, 1972. 1972. [1]+29+[11] p. 4° † FR 1.28: B 77/86
- 21590 Rules regarding delegation of authority, amendments, effective Oct. 30, 1972. Nov. 1972. [1] p. 4° † FR 1.8/2: Au 8/970/amdt.-4
- 21591 Trends and developments in credit card banking, paper by Andrew F. Brimmer, Member, Board of Governors of Federal Reserve System before National Economist Club, Washington, D.C., Sept. 7, 1972. 1972. [1]+29+[17] p. 4° † FR 1.23: B 77/85

FEDERAL SUPPLY SERVICE, General Services Administration Washington, DC 20405

- 21592 List of commodities. [1972.] [2]+19 p. 4° [This is uniform standard list covering all articles of supply normally purchased by Federal Supply Service, provided primarily for use in connection with filing of mailing list applications.] † GS 2.2: C 73

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

- 21593 FDA informational materials for food and cosmetic industries, movies, slides, posters, booklets, fact sheets. [1972.] cover title, 18+[1] p. 4° † HE 20.4002: F 73/5
● Item 475
- 21594 Look at it this way. It's a cutting machine. We want you to know what we know about power mower safety [poster]. 1972. 26 x 22.5 in. (DHEW publication (FDA) 73-7006.; Bureau of Product Safety.) * Paper, \$17.50 per 100; single copy, 25c. HE 20.4021: P 87
- 21595 Nutrition sense & nonsense. [1973.] [6] p. il. 4° ([DHEW publication (FDA) 73-2009.]) [Reprint from FDA Consumer, Sept. 1972. Illustrations are colored.] * Paper, 35c. HE 20.4010/a: N 959
- 21596 Pesticides, insecticides, they killed almost anything that crawls. We want you to know what we know about poison control [poster]. 1972. 26 x 22.5 in. (DHEW publication (FDA) 73-7003.; Bureau of Product Safety.) * Paper, \$17.50 per 100; single copy, 25c. HE 20.4021: P 75
- 21597 Playing safe in toyland; by Carol Young. [1972.] [4] p. il. 4° ([FDA) 72-7018.]) [Reprint from FDA papers, Mar. 1972. Illustrations are colored.] * Paper, 20c. HE 20.4010/a: T 668
- 21598 Shocking, isn't it? We want you to know what we know about electrical safety [poster]. 1972. 26 x 22.5 in. (DHEW publication (FDA) 73-7005.; Bureau of Product Safety.) * Paper, \$17.50 per 100; single copy, 25c. HE 20.4021: E1 2
- 21599 We want you to know what we know about impact-resistant eyeglass lenses. [1972.] [6] p. il. narrow 8° ([DHEW publication (FDA) 73-4001.]) * Paper, \$8.25 per 100; single copy, 15c. (S/N 1712-00164). ● Item 475 HE 20.4002: L 54

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- 21600 We want to know what we know about safe use of eye cosmetics. [1972.]
[6] p. il. narrow 8° ([DHEW publication (FDA) 73-5002.]) †
● Item 475 HE 20.4002: Ey 3
- 21601 We want you to know what we know about salmonella & food poisoning.
[1972.] [6] p. il. narrow 8° ([DHEW publication (FDA) 73-2004.])
* Paper, \$8.25 per 100; single copy, 15c. (S/N 1712-00163). ● Item 475
HE 20.4002: Sa 3/2

FOREIGN AGRICULTURAL SERVICE, Agriculture Dept. Washington, DC 20250

- 21602 Release date of 1973 world agricultural production and trade statistical
report (crop and livestock statistics). Jan. 2, 1973. 6 p. 4° †
A 67.8/3: 973/ann.

FOREST SERVICE, Agriculture Dept. Washington, DC 20250

- 21603 Analysis of State fire control laws, general administration, environmental
protection & pollution control; prepared by Division of Cooperative
Forest Fire Control. Aug. 1972. [1]+6 leaves, 4° † A 13.2: St 29/2
- 21604 Behavior and impact of chemicals on forest environment [with list of
publication examples]. Dec. 1971. [6] p. il. narrow 12° (Pacific North-
west Forest and Range Experiment Station, Portland, Oreg.) †
A 13.66/2: C 42
- 21605 Canoeing-camping in Superior National Forest, Minnesota. [1972.] cover
title, 19 p. il. oblong 24° (Eastern Region.) † A 13.2: C 16
- 21606 Ecology and impacts of forest insects of Pacific Northwest [with list of
publication examples]. Feb. 1972. [6] p. il. narrow 12° (Pacific North-
west Forest and Range Experiment Station, Portland, Oreg.) †
A 13.66/2: Ec 7/2

Federal research natural areas in Oregon and Washington, guidebook for
scientists and educators, separates [with lists of literature cited]. [1972.]
(Pacific Northwest Forest and Range Experiment Station, Portland,
Oreg.) [Issued with perforations.]

- 21607 Abbott Creek Research Natural Area; [by Jerry F. Franklin]. il+6+[3] p. il. 4°
* Paper, 25c. A 13.66/12 a: Ab 26
- 21608 Ashland Research Natural Area; [by Jerry F. Franklin]. il+6+[3] p. il. 4°
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- 21609 Baird Basin Research Natural Area; [by Frederick C. Hall]. il+4+[3] p. il. 4°
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il. 4° * Paper, 25c. A 13.66/12 a: H 787

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- 21625 Lake Twentytwo Research Natural Area; [by Jerry F. Franklin]. ii+5+[3] p. ii. 4° * Paper, 25c. A 13.66/12 a: L 148
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- 21627 Maple Knoll Research Natural Area; [by Jerry F. Franklin]. ii+5+[3] p. ii. 4° * Paper, 25c. A 13.66/12 a: M 321
- 21628 Meeks Table Research Natural Area; [Arthur R. Tiedemann, G. O. Klock, and H. W. Berndt]. ii+8+[3] p. ii. 4° * Paper, 25c. A 13.66/12 a: M 471
- 21629 Metolius Research Natural Area; [by Frederick C. Hall]. ii+5+[3] p. ii. 4° * Paper, 25c. A 13.66/12 a: M 567
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- 21645 Sister Rocks Research Natural Area; [by Jerry F. Franklin]. ii+5+[3] p. ii. 4° * Paper, 25c. A 13.66/12 a: Si 84
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- 21649 Wind River Research Natural Area; [by Jerry F. Franklin]. ii+8+[5] p. ii. 4° * Paper, 25c. A 13.66/12 a: W 722
- 21650 Wolf Creek Research Natural Area; [by Frederick C. Hall]. ii+4+[3] p. ii. 4° * Paper, 25c. A 13.66/12 a: W 831
- 21651 Glossary for forest tree improvement workers; by E. B. Snyder. [Revised 1972.] [1972.] cover title, 22 p. 12° (Southern Forest Experiment Station.) † A 13.40/2: T 71/972
- 21652 Important forest insect outbreaks in Oregon and Washington in 1972. Oct. 1972. 3+[3] leaves ii. 4° (5200, Region 6). † A 13.2: In 7/4/972
- 21653 Loop tour in Ochoco Mountains, Ochoco National Forest. [1972.] [8] p. ii. † A 13.13: Oc 3/3
- Research note FPL--(series). (Forest Products Laboratory, Madison, Wis.) † A 13.79: FPL--(nos.)
- 21654 FPL-0123. Wood finishing, painting outside wood surfaces; by Forest Products Laboratory. [1972.] 4 p. 4° [Major revision of report of same title, 1966.]
- 21655 FPL-0219. Method for measuring and controlling web tension of corrugating medium during single-facing process; by W. D. Godshall and J. W. Koning, jr. 1972. 4+[3] p. ii. 4°
- Research note PNW--(series). (Pacific Northwest Forest and Range Experiment Station, Portland, Oreg.) † A 13.79: PNW--(nos.)
- 21656 PNW-175. Seed orchard tree as pollen sampler, model and example [with list of literature cited]; by Frank C. Sorensen. May 1972. 11 p. 4°

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- 21657 PNW-177. Paper birch seed production in Tanana Valley, Alaska [with list of literature cited]; by John C. Zasada and Robert A. Gregory. June 1972. 7 p. il. 4°
- 21658 PNW-178. Average yarding distance on irregular-shaped timber harvest settings [with list of literature cited]; by Penn A. Peters and J. Doyle Burke. May 1972. 13 p. il. 4°
- 21659 PNW-179. Large-crowned planted ponderosa pine respond well to thinning; by James W. Barrett. May 1972. 12 p. il. 4°
- 21660 PNW-180. Recording soil moisture tensiometer [with list of literature cited]; by William J. Walkotten. June 1972. 12 p. il. 4°
- 21661 PNW-181. Maple sirup production from bigleaf maple [with list of literature cited]; by Robert H. Ruth [and others]; June 1972. 12 p. il. 4°
- 21662 PNW-183. Measurement of logging residue, alternative applications of line intersect method [with list of references]; by James O. Howard, Franklin R. Ward. Aug. 1972. 8 p. il. 4°

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

- 21663 RM-220. Mulching improves survival and growth of cercocarpus transplants [with list of literature cited; by] H. W. Springfield. 1972. 4 p. il. 4° †
A 13.79: RM-220

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

- 21664 SO-141. Yellow-poplar, loblolly pine, and Virginia pine compared in Cumberland Plateau plantations [with list of literature cited; by] Glendon W. Smalley and Kenneth Pierce. 1972. 6 p. il. 4°
- 21665 SO-143. Nitrogen fertilization increases cottonwood growth on old-field soil [with list of literature cited; by] B. G. Blackmon and E. H. White. 1972. 5 p. il. 4°

Research paper FPL-(series). (Forest Products Laboratory, Madison, Wis.) † A 13.78: FPL-(nos.)

- 21666 FPL-170. Dimension yields from alder lumber [with list of literature cited; by David R. Schumann]. 1972. cover title, 12 p. il. 4° [Text on p. 2 of cover. Abstract cards inserted.]
- 21667 FPL-171. Evaluation of adhesive-bond quality in telephone crossarms after 16 to 23 years of exterior exposure [with list of literature cited; by R. W. Jokerst]. 1972. cover title, 8 p. il. 4° [Text on p. 2 of cover. Abstract cards inserted.]
- 21668 FPL-173. FPL designs meet family housing needs; [by G. E. Sherwood]. 1972. cover title, [28] p. il. 4° [Text on p. 2 of cover. Abstract cards inserted.]

Research paper NC-(series). (North Central Forest Experiment Station, St. Paul, Minn.) † A 13.78: NC-(nos.)

- 21669 NC-78. Changing market for hardwood plywood stock panels; by Gary R. Lindell. 1972. cover title, 7 p. il. 4° [Text on p. 2 of cover. Abstract cards inserted.]
- 21670 NC-79. Size of oak advance reproduction, key to growth following harvest cutting [with list of literature cited; by] Ivan L. Sander. 1972. cover title, [1]+6 p. il. 4° [Abstract cards inserted.]
- 21671 NC-80. Improved growth intercept method for estimating site index of red pine [with list of literature cited; by] David H. Alban. 1972. cover title, 7 p. il. 4° [Text on p. 2 of cover. Abstract cards inserted.]
- 21672 NC-81. Projecting aspen resource in Lake States; by William A. Leuschner. 1972. cover title, 32 p. il. 4° [Text on p. 2 of cover. Abstract cards inserted.]

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

- 21673 RM-93. Morphometry of 3 small watersheds, Black Hills, South Dakota, and some hydrologic implications [with list of literature cited]; by Teruo Yamamoto and Howard K. Orr]. July 1972. [2]+15+[1] p. il. 4° †
A 13.78: RM-93

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

- 21674 SO-76. Growth of planted slash pine under several thinning regimes; [by] W. F. Mann, jr. and Hans G. Enghardt. 1972. [1]+10 p.
- 21675 SO-78. Wood and bark properties of spruce pine [with list of literature cited; by] Floyd G. Manweiler. 1972. il+25 p. il. 4° [Abstract cards inserted.]
- 21676 SO-79. Geographic survey of monoterpenes in loblolly and short-leaf pines [with list of literature cited; by] John F. Coyne and George C. Keith. 1972. [1]+12+[1] p. il. 4°
- 21677 SO-80. Guying to prevent wind sway influences loblolly pine growth and wood properties [with list of literature cited; by] James D. Burton and Diana M. Smith. 1972. [1]+8+[1] p. il. 4°
- 21678 SO-82. Ten-year growth of planted slash pine after early thinnings [with list of literature cited; by] Hans G. Enghardt and W. F. Mann, jr. [2]+11+[1] p.

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GOVERNMENT PUBLICATIONS

Resource bulletin SE-(series). (Southeastern Forest Experiment Station, Asheville, N.C.)

- 21679 SE-23. Southern pulpwood production, 1971; [by] Thomas R. Bellamy. Aug. 1972. cover title, 20 p. il. 4° [Text on p. 2-3 of cover.] †
A 13.80 : SE-23

Resource bulletin SO-(series). (Southern Forest Experiment Station, New Orleans, La.) †
A 13.80 : SO-(nos.)

- 21680 SO-35. Forest resources of Tennessee; by Paul A. Murphy. 1972. cover title, il.+33 p. il. 4° [Abstract cards inserted.]
L.C. card 72-603388
- 21681 SO-36. Alabama forest industries; [by] Daniel F. Bertelson. 1972. cover title, 29 p. il. 4° [Page 29 is on p. 3 of cover. Abstract cards inserted.]
- 21682 SO-37. Forest statistics for central Alabama counties; [by] Arnold Hedlund and J. M. Barles. 1972. 23 p. 4° [Text on p. 2 of cover. Abstract card inserted.]
- 21683 Root diseases and soil microbiology [with list of publication examples]. Mar. 1972. [6] p. il. narrow 12° (Pacific Northwest Forest and Range Experiment Station.) †
A 13.66/2 : R 67
- 21684 Soil stability and streamflow [with list of selected publications]. May 1972. [6] p. il. narrow 12° (Pacific Northwest Forest and Range Experiment Station, Portland, Oreg.) †
A 13.66/2 : So 3/2

GENERAL ACCOUNTING OFFICE Washington, DC 20548

Reports to Congress, by Comptroller General of United States. † Paper, each \$1.00 (free to members of Congress, Congressional committee members, staff members, Government officials, the press, college libraries, faculty and students).

- 21685 Administration of contract studies could be improved, Department of Army. Dec. 11, 1972. cover title, [8]+26 p. 4° (B-177372.)
L.C. card 73-600852 GA 1.13 : C 76/35
- 21686 Audit of Commodity Credit Corporation fiscal year 1972, Department of Agriculture. Dec. 18, 1972. cover title, [4]+37 p. il. 4° (B-114824.)
GA 1.13 : C 73/972
- 21687 Audit of Federal Crop Insurance Corporation fiscal year 1972, Department of Agriculture. Dec. 22, 1972. cover title, [4]+23 p. 4° (B-114834.)
GA 1.13 : F 31/9/972
- 21688 Audit of financial statement of St. Lawrence Seaway Development Corporation, calendar year 1971, Department of Transportation. Dec. 6, 1972. cover title, [4]+23 p. 4° (B-125007).
GA 1.13 : Sa 2/2/971
- 21689 Audit of payments from special bank account to Lockheed Aircraft Corporation for C-5 aircraft program during quarter ended Sept. 30, 1972, Department of Defense. Nov. 29, 1972. cover title, 3+[1] leaves. (B-162578.)
GA 1.13 : L 81/2/872-3
- 21690 Audit of United States Capitol Historical Society, for year ended Jan. 31, 1972. Jan. 2, 1973. cover title, 5+10 leaves, 4° (B-176631.) GA 1.13 : Un 3/9
- 21691 Estimates of impact of inflation on costs of proposed programs should be available to committees of Congress. Dec. 14, 1972. cover title, [8]+20 p. 4° (B-176873.)
L.C. card 73-600991 GA 1.13 : In 3
- 21692 Examination of financial statements of Federal Home Loan Bank Board, Federal home loan banks, and Federal Savings and Loan Insurance Corporation for year ended Dec. 31, 1971. Nov. 28, 1972. cover title, [4]+31 p. 4° (B-114827.)
GA 1.13 : F 31/25/971
- 21693 Examination of financial statements of Veterans Canteen Service for fiscal year 1972, Veterans Administration. Jan. 4, 1973. cover title, 2 leaves+[5] p. 4° (B-114818.)
L.C. card 72-621649 GA 1.13 : V 64/13/972
- 21694 Implementation of Emergency loan guarantee act, Lockheed Aircraft Corporation, Emergency Loan Guarantee Board. Dec. 6, 1972. cover title, [3]+30 p. il. 4° (B-169300.)
L.C. card 73-600824 GA 1.13 : Em 3/2
- 21695 Little progress by Department of Defense in acting on opportunities for significant savings by consolidating real property maintenance organizations. Dec. 12, 1972. cover title, [4]+36 p. il. 4° (B-164217.)
L.C. card 73-600851 GA 1.13 : D 36/10
- 21696 Management of Atomic Energy Commission's controlled thermonuclear research program. Dec. 8, 1972. cover title, [4]+47 p. il. 4° (B-159687.)
L.C. card 73-600853 GA 1.13 : At 7/11
- 21697 Means for increasing use of defense technology for urgent public problems, Department of Defense, Office of Management and Budget, and other civil agencies. Dec. 29, 1972. cover title, [5]+58 p. 4° (B-175132.)
L.C. card 73-600994 GA 1.13 : D 36/11

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APRIL 1973

- 21698 Opportunities to improve effectiveness and reduce costs of homeownership assistance programs, Department of Housing and Urban Development, Department of Agriculture. Dec. 29, 1972. cover title, [6] + 81 p. il. 4° (B-171630.)
L.C. card 73-600800 GA 1.13 : H 75/3
- 21699 Southwestern Federal power program, financial progress and problems, Department of Interior, Department of Army. Nov. 22, 1972. cover title, [5] + 63 p. 4° (B-125031.)
L.C. card 72-603659 GA 1.13 : So 8/5
- 21700 U.S. system for appraising and evaluating Inter-American Development Bank projects and activities, digest. Aug. 22, 1972. 3 p. 4° (B-161470.) [Unclassified digest furnished in lieu of report containing classified security information.]
GA 1.13 : In 8/15/digest
- 21701 Unauthorized use of funds for construction and alteration of public buildings, National Institutes of Health, Department of Health, Education, and Welfare. Nov. 24, 1972. cover title, [3] + 20 p. il. 4° (B-164031-(2).)
L.C. card 72-603638 GA 1.13 : C 76/36
- 21702 Unclaimed benefits in Civil Service retirement fund, Civil Service Commission. Dec. 20, 1972. cover title, [4] + 25 p. il. 4° (B-130150.)
L.C. card 73-600993 GA 1.13 : C 49/9

GENERAL SERVICES ADMINISTRATION Washington, DC 20405

- 21703 Office excellence, planning & designing today's Federal office. [1972.] 8 p. il. oblong 8° 8 pl. in pocket. [Illustrations and plates are colored.]
* Paper, \$3.00 (S/N 2204-0006). ● Item 559 GS 1.2 : Of 2

GEOGRAPHIC NAMES BOARD, Interior Dept. Washington, DC 20240

- 21704 Africa and Southwest Asia, gazetteer supplement, Aug. 1972, official standard names, approved by U.S. Board on Geographic Names; prepared by Defense Mapping Agency Topographic Center. Aug. 1972. [1] + iv + 182 p. 4° † ● Item 617
L.C. card 72-603730 I 33.8/2 : Af 8

Gazetteer.

- 21705 Dominican Republic, official standard names approved by U.S. Board on Geographic Names; prepared by Defense Mapping Agency Topographic Center. Aug. 1972. [2] + vi + 477 p. il. oblong 8° † Defense Mapping Agency, Topographic Center, 6500 Brooks Lane, Washington, DC 20315, Attn: Geographic Names Division, 50400. ● Item 617
L.C. card 73-600984 I 33.8 : D 71

GEOLOGICAL SURVEY, Interior Dept. Washington, DC 20242

- 21706 Atlas of volcanic phenomena; [colored posters]. 1971. 20 sheets each 21.4 x 15.8 in. [Issued in envelope for mailing.] * Paper, \$4.25 per set.
I 19.2 : V 88/4

Bulletins. ● Item 620

I 19.3 : (nos.)

- 21707 1348. Placer gold deposits of New Mexico [with bibliography]; by Maureen G. Johnson. 1972. iv + 46 p., 1 pl. in pocket. [Catalog of location, geology, and production, with lists of annotated references pertaining to placer districts.] * Paper, \$1.25 (S/N 2401-2162).
L.C. card 72-600248
- 21708 1355. Placer gold deposits of Arizona [with bibliography]; by Maureen G. Johnson. 1972. v + 103 p. il. 1 pl. in pocket [Catalog of location, geology, and production with lists of annotated references pertaining to placer districts.] * Paper, \$1.00 (S/N 2401-2155).
L.C. card 72-600097
- 21709 1363. Underclay deposits of Somerset and eastern Fayette Counties, Pennsylvania [with list of references cited]; by John W. Hosterman. 1972. iii + 17 p. 2 pl. in pocket. [Geological, mineralogical, and chemical study of underclay beds in Allegheny Formation of southwestern Pennsylvania.] * Paper, 65c. (S/N 2401-2155).
L.C. card 72-600257
- 21710 1377. Bibliography and Index of U.S. Geological Survey publications relating to coal, 1882-1970; by Paul Averitt and Loreda Lopez. 1972. v + 173 p. [Compendium of about 1,300 geological reports, maps, and statistical summaries. Supersedes Circular 86.] * Paper, 75c. (S/N 2401-2175).
L.C. card 72-603449

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- Circulars. † I 19.4/2:(nos.)
- 21711 669. Mineral resources off northeastern coast of United States [with list of references cited]; by Frank T. Mannheim. 1972. iv+28 p. il. 4°
L.C. card 72-603449
- 21712 671. Land-use classification system for use with remote-sensor data [with list of selected references]; by James R. Anderson, Ernest E. Hardy, and John T. Roach. 1972. iii+16 p. 4°
- 21713 672. Ground motion values for use in seismic design of Trans-Alaska pipeline system [with list of references]; by Robert A. Page [and others]. 1972. iii+23 p. il. 4°
- 21714 674. Geologic and hydrologic maps for land-use planning in Connecticut Valley with examples from folio of Hartford North Quadrangle, Conn. [with list of references cited]; by Fred Pessl, jr., William H. Langer, and Robert B. Ryder. 1972. [3]+12 p. il. 4°
- 21715 Journal of research of U.S. Geological Survey. [Published 6 times a yr. Scientific notes and summaries of investigations in geology, hydrology, and related fields. Supersedes short-papers chapters (B, C, and D) of former Geological Survey research "Annual Review" series of professional papers.] * Paper, \$3.50 a yr., \$2.25 additional for foreign mailing; single copy, \$1.50. ● Item 619-D
L.C. card 72-600241 I 19.61:(v.nos.& nos.)
v. 1, no. 1— Jan.-Feb. 1973—
- 21716 National atlas of United States of America. [1972.] 14 p. 4° † ● Item 621
I 19.2/a: N 213
- 21717 Oil shale, potential source of energy. [1972.] 16 p. il. narrow 8° * Paper, 15c. (S/N 2401-2204). ● Item 621 I 19.2: Oi 5/4/972
- Professional papers. ● Item 624 I 19.16:(nos)
- 21718 420-C. Geology and oil resources of western Puente Hills area, southern California [with list of references]; by R. F. Yerkes. 1972. iv+63 p. il. 4 pl. in pocket, 4° [Study of stratigraphy, structure, and oil resources of La Habra and Whittier quadrangles. Geology of eastern Los Angeles basin, southern California. Some plates are colored.] * Paper, \$3.10. L.C. card 72-600163
- 21719 529-K. Atlantic continental shelf and slope of United States, sand-size fraction of bottom sediments, New Jersey to Nova Scotia [with list of references]; by James V. A. Trumbull. 1972. iii+45 p. il. 4° [Distribution of sand-size fraction of bottom sediments on continental margin from New Jersey to Nova Scotia, their source, and local modification processes.] * Paper, 55c. (S/N 2401-2185).
L.C. card 72-600176
- 21720 532. Cenozoic fossil mollusks from western Pacific Island; Gastropods (Turritellidae through Strombidae) [with list of references cited]; by Harry S. Ladd. 1972. iv+79 p. il. 20 pl. 4° [Descriptions of citations of 174 representatives of 18 gastropod families from 7 island groups.] * Paper, \$1.50 (S/N 2401-2133).
L.C. card 72-600162
- 21721 562-J. Summary of alluvial-channel data from Rio Grande conveyance channel, New Mexico, 1965-69 [with list of references]; by J. K. Culbertson, C. H. Scott, and J. P. Bennett. 1972. iv+49 p. il. 4° [Summary of of basic hydraulic and sediment data obtained from a field stream. Sediment transport in alluvial channels.] * Paper, 70c. (S/N 2401-2184).
L.C. card 72-600155
- 21722 582-C. Transverse diffusion of solutes in natural streams [with list of references]; by Nobuhiko Yotsukura and Ernest D. Cobb. 1972. iii+19 p. il. 4° [Dispersion in surface water.] * Paper, 55c. (S/N 2401-2147).
L.C. card 72-600198
- 21723 585-A. Hydrologic investigations of prairie potholes in North Dakota. 1959-68 [with list of references]; by W. S. Eisenlohr, jr., and others. 1972. x+102 p. il. 3 pl. in pocket, 4° [Prepared as part of program of Department of Interior for development of Missouri River Basin. Hydrology of prairie potholes in North Dakota.] * Paper, \$3.00 (S/N 2401-2156).
L.C. card 72-600234
- 21724 685. Fossils from Ordovician bioherm at Melklejohn Peak, Nev. [with list of references cited]; by Reuben James Ross, jr. 1972. iv+47 p. il. 18 pl. 4° [Distribution of fossils in bioherm and in flanking beds is documented. Species of 12 genera of brachiopods and 20 genera of trilobites are described. They compare closely with contemporary forms in Quebec and western Newfoundland.] * Paper, \$1.25 (S/N 2401-2048).
L.C. card 78-188821

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- 21725 690. Stratigraphy and origin of Chinle Formation and related Upper Triassic strata in Colorado Plateau Region [with list of references cited]; by J. H. Stewart, F. G. Poole, and R. F. Wilson, with section on Sedimentary petrology, by R. A. Cadigan, and section on Conglomerate studies, by William Thordarson, H. F. Albee, and J. H. Stewart. 1972. vi+336 p. il. 5 pl. in pocket [Prepared on behalf of Atomic Energy Commission. One plate is colored.] * Paper, \$8.25 (S/N 2401-2186). L.C. card 74-178212
- 21726 702. Stratigraphy and structure of Middle and Upper Ordovician rocks in Sedgwick basin and adjacent areas, south-central Kansas [with list of references cited]; by W. L. Adkison. 1972. iii+33 p. il. 5 pl. in pocket, 4°. [Prepared in cooperation with State Geological Survey of Kansas.] * Paper, \$1.50. L.C. card 72-600040
- 21727 710. Jasperoid in United States, its characteristics, origin, and economic significance [with list of references cited]; by T. G. Lovering. 1972. vi +164 p. il. 4°. [Jasperoid consists dominantly of quartz replacing older host rocks, commonly limestone or dolomite. It is useful ore grade in many mining districts.] * Paper, \$1.75 (S/N 2401-21218). L.C. card 77-187908
- 21728 724-A. Huntington Lake quadrangle, central Sierra Nevada, California-analytic data [with list of references]; by Paul C. Bateman and David R. Wones. 1972. iii+18 p. il. 4°. [Chemical, spectrographic, and modal analyses and potassium-argon age determinations on granitic rocks supplement Geologic quadrangle map (GQ-987). Shorter contributions to general geology.] * Paper, 55c. (S/N 2401-00226). L.C. card 72-600073
- 21729 726-A. Aeromagnetic, Bouguer gravity, and generalized geologic studies of Great Falls-Mission Range area, northwestern Montana [with list of references cited]; by M. Dean Klelukopf and Melville R. Mudge. 1972. iii +19 p. il. 3 pl. in pocket [Interpretation of aeromagnetic and gravity anomalies in terms of fault tectonics, basement rock units, and regional geology. Geophysical field investigations. One plate is colored.] * Paper, \$1.25 (S/N 2401-2075). L.C. card 73-184625
- 21730 729-C. Stratigraphic framework of Absaroka volcanic supergroup in Yellowstone National Park region [with list of references cited]; by Harry W. Smedes and Harold J. Prostka. 1972. v+33 p. il. 4°. [Brief description of stratigraphy of Eocene Absaroka volcanic field, Wyoming and Montana. Absaroka Volcanic Supergroup, 3 groups, 5 formations, and 5 members are defined. Geology of Yellowstone National Park.] * Paper, 50c (S/N 2401-2151). L.C. card 72-600072
- 21731 734-B. Sedimentary petrology and paleocurrents of Harebell Formation, Pinyon Conglomerate, and associated coarse clastic deposits, northwestern Wyoming [with list of references cited]; by David A. Lindsey. 1972. v+68 p. il. 4°. [Geology of gold-bearing conglomerates in northwestern Wyoming. Detailed study of petrography and sedimentary structures of Upper Cretaceous and Paleocene gold-bearing conglomerates in northwestern Wyoming and adjacent States.] * Paper, \$1.50 (S/N 2401-00249). L.C. card 72-600277
- 21732 746. Cenozoic rocks of Santa Rita Mountains, southeast of Tucson, Ariz. [with list of references]; by Harald Drewes. 1972. iv+66 p. il. 4°. [Systematic description, augmented by 19 radiometric age determinations, of one of most complete sequences of Cenozoic rocks in southeastern Arizona.] * Paper, \$1.50. L.C. card 72-600158
- 21733 747. Pennsylvania carbonates, paleoecology, and rugose colonial corals, north flank, eastern Brooks Range, Arctic Alaska [with list of selected references]; by Augustus K. Armstrong. 1972. v+21 p. il. 17 p. of pl. 4°. [Carbonate and paleological studies, and description of 2 new species of colonial rugose corals from 4 described sections of Wahoo limestone, Lisburne Group, Arctic Alaska.] * Paper, \$1.00 (S/N 2401-2150). L.C. card 72-600261).
- 21734 761. Geochemical anomalies and alteration in Moenkopi formation, Skull Creek, Moffat County, Colo. [with list of selected references]; by R. A. Cadigan. 1972. iii+21 p. il. 4°. [Geologic and geochemical reconnaissance of formation and area containing significantly higher background metal values than are commonly found elsewhere in Colorado Plateau region.] * Paper, 70c. (S/N 2401-00221). L.C. card 72-600255
- 21735 762. Instrumentation studies of earth tremors related to geology and to mining at Somerset Coal Mine, Colo. [with list of references cited]; by Frank W. Osterwald [and others]. 1972. iii+27 p. il. 4°. [Relation of bedrock and surficial geology, coal mining, and nuclear explosion to tremors in part of Grand Mesa coal field, Colorado.] * Paper, 70c. (S/N 2401-00227). L.C. card 72-600287

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Professional papers—Continued

- 21736 795. Lower Cretaceous, Jurassic (?), and Triassic Ostracoda from Atlantic Coastal Region [with list of references]; by Frederick M. Swain and Philip M. Brown. 1972. iv+55+[10] p. il. 20 p. of plates, 1 pl. in pocket, 4° [Plate in pocket is colored.] * Paper, \$2.00 (S/N 2401-00250).
L.C. card 72-600289
- 21737 800-A. Geological survey research 1972: chap. A [articles, with lists of references cited]. 1972. [330] p. il. 4° [Summary of recent significant scientific and economic results accompanied by list of geologic and hydrologic investigations in progress and report on status of topographic mapping.] * Paper, \$3.45 (S/N 2401-00278).
- 21738 800-D. Geological survey research 1972: chap. D. [articles, with lists of references]. 1972. v+227 p. il. 4° [Scientific notes and summaries of investigations in geology, hydrology, and related fields.] * Paper, \$4.50 (S/N 2401-00255).
- 21739 Water resources investigations along proposed trans-Alaska pipeline route [with list of published reports of investigations—selected references]. [1972.] [4] p. il. narrow f° (Water Resources Division, Alaska District.) ‡ I 19.42/3: A11s
- 21740 Water resources investigations in Missouri [with list of reports of investigations—selected references]. 1972. [10] p. il. 4° (Water Resources Division.) [Prepared in cooperation with Missouri Geological Survey and Water Resources and other State, municipal, and Federal agencies.] ‡ I 19.42/3: M 69 o/972

Water-supply papers. ● Item 625

I 19.13: (nos.)

- 21741 1542-B. Accuracy of low-flow characteristics estimated by correlation of base-flow measurements [with list of references]; by Clayton H. Hardison and Marshall E. Moss; with section on Outline of derivations, by Edward J. Gilroy. 1972. iv+35-55+[3] p. il. [Manual of hydrology: pt. 2, Low-flow techniques. Includes title page and table of contents of chapters A and B.] * Paper, 40c. (S/N 2401-2168).
L.C. card 72-600238
- 21742 1757-M. Significance of ground-water chemistry in performance of North Sahara tube wells in Algeria and Tunisia [with list of references]; by Frank E. Clarke and Blair F. Jones. 1972. vi+39 p. il. [Prepared in cooperation with Governments of Algeria and Tunisia. Contributions to hydrology of Africa and Mediterranean region. Contribution to International Hydrologic Decade.] * Paper, 55c. (S/N 2401-00256).
L.C. card 72-600275.
- 21743 2099. Quality of surface waters of United States, 1968: pt. 2, Pacific slope basins in California [with list of literature cited], 1972. viii+359 p. il. [Prepared in cooperation with State of California and with other agencies.] * Paper, \$2.75 (S/N 2401-00268).
L.C. card GS 43-68
- 21744 2119. Surface water supply of United States, 1966-70: pt. 6, Missouri River basin, v. 4, Missouri River basin below Nebraska City, Nebr., [prepared by personnel of Water Resources Division]. 1972. ix+901 p. [Prepared in cooperation with States of Colorado, Iowa, Kansas, Missouri, and Nebraska, and with other agencies.] * Paper, \$5.75 (S/N 2401-00267).
L.C. card GS 46-40712

HEAD START PROJECT, Health, Education, and Welfare Dept. Washington, DC 20201

- 21745 Films suitable for head start child development programs. 1973. [2]+8 p. 4° ([DHEW publication (OCD) 73-1039].) ‡ ● Item 445-N-2
HE 21.202: F 48/973

Project Head Start (series).

- 21746 2. Health services, guide for project directors and health personnel. [1971.] cover title, 73 p. il. ([DHEW publication (OCD) 73-1007].) [Page 73 is p. 3 of cover.] * Paper, 75c. ● Item 857-H-12
L.C. card 73-601100 HE 21.212: 2
- 21747 Project Head Start, 1969-70, descriptive report of programs and participants. July 1972. [3]+314+[43] p. il. 4° (Research and Evaluation Division, Office of Child Development.) [Text on p. 2 of cover.] ‡ ● Item 445-N-2 HE 21.202: P 94/2/969-70

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HEALTH CARE FACILITIES SERVICE, Health, Education, and Welfare Dept., Silver Spring, MD 20910

- 21748 Hill-Burton is . . . [1972.] cover title, [24] p. il. 4° ([HEW publication (HSM) 73-4007.]) * Paper, 70c. (S/N 1725-00018). ● Item 486-A-2
HE 20.2502: H 55
- 21749 Hill-Burton program progress report, July 1, 1947-June 30, 1971. [1972.] vii+81 p. il. 4° ([HEW publication (HSM) 73-4001.] ; Office of Program Planning and Analysis.) [Includes list of related publications.] * Paper, \$1.50 (S/N 1725-00017). ● Item 486-C
HE 20.2509/2: 947-71

HEALTH, EDUCATION, AND WELFARE DEPARTMENT Washington, DC 20201

- 21750 Catalogs, Department of Health, Education, and Welfare publications, cumulative issue. July 1972, [published 1973]. viii+161 p. 4° (DHEW publication no. (HEW) 72-4; Office of Public Affairs.) †
HE 1.18/3: 972
- 21751 Cost of national medical care, chart book. [1972.] [52] p. il. oblong 12° * Paper, 75c. ● Item 445
HE 1.2: M 46/9
- 21752 Footnote, journal of HEW Audit Agency [issue] 6, Winter 1972-73. [1972.] cover title, 47 p. 4° † ● Item 445-M
HE 1.37: 6
- 21753 Mental retardation source book. Sept. 1972. iii+127 p. 4° (DHEW publication (OS) 73-81; Office of Mental Retardation Coordination.) †
● Item 445-G
L.C. card 72-603773
HE 1.23/6: 972

HEALTH MAINTENANCE ORGANIZATION SERVICE, Health, Education, and Welfare Dept., Bethesda, MD 20014

- 21754 Accounting manual for health maintenance organizations; prepared by Comptroller, Group Health Plan, Inc., St. Paul, Minn. Mar. 1972. [5]+78 p. 4° ([DHEW publication (HSM) 73-13008; Division of Training & Technical Assistance.]) * Paper, 75c. (S/N 1720-00041). ● Item 483-H-2
HE 20.2058: Ac 2
- 21755 Marketing of Health Maintenance Organization services: v. 1, Guidelines for Health Maintenance Organization marketing, v. 2, Beneficiary population, v. 3, Services and delivery systems, v. 5, Strategy, v. 6, Appendices; prepared by Health Systems Research Programs, Biometrics Research Laboratories, Inc. [1972.] [327] p. il. 4° ([DHEW publication (HSM) 73-13006; HMOs technical assistance publication.] ; Division of Training & Technical Assistance.) * Paper, \$4.00 (S/N 1721-00005). ● Item 483-H-1
HE 20.2052: M 84/v.1-6
- 21756 Questions physicians are asking about HMOs, and answers. [Dec. 1972.] cover title, 19 p. ([DHEW publication (HSM) 73-13009.]) [Text on p. 2 of cover.] † ● Item 483-H-1
HE 20.2052: Q 3

HEALTH MANPOWER EDUCATION BUREAU, Health, Education, and Welfare Dept., Bethesda, MD 20014

- 21757 Construction grants awarded to schools of nursing, Dec. 1965-June 1972. July 1972. iii+21 p. ([DHEW publication (NIH) 73-89; Division of Nursing.]) † ● Item 507-D-1
HE 20.3102: N 93/6/965-72
- 21758 Financial distress grants for schools of nursing. Sept. 1972. iii+7 p. (Division of Nursing; DHEW publication (NIH) 73-353.) † ● Item 507-D-1
HE 20.3102: N 93/24
- 21759 From student to RN, report of nurse career-pattern study; by Lucille Knopf. [1972.] xviii+154 p. (DHEW publication (NIH) 72-130; Division of Nursing.) * Paper, \$1.00 (S/N 1741-0040). ● Item 507-D-1
L.C. card 73-600872
HE 20.3102: St 9/3

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- 21760 Health careers film guide. [1972.] [2]+29 p. il. narrow 8° * Paper, 35c. (S/N 1741-00047). ● Item 507-D-3 HE 20.3108: C 18
- 21761 Interested in environmental health? [Operation MEDIHC would like to assist you]. [1973.] [2] p. oblong 12° folded into oblong 48° size. † ● Item 507-D-1 HE 20.3102: En 8
- 21762 Operation MEDIHC, military experience directed into health careers. [1973.] [2] p. il. oblong 8° folded into narrow 8° size. ([DHEW publication (NIH) 73-388.]) † ● Item 507-D-1 HE 20.3102: M 46

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

- 21763 Federal coal mine health program in 1971, annual health report of Federal coal mine health and safety act of 1969. [1972.] vii+[1]+133 p. il. 4° * Paper, \$1.25 (S/N 1765-0005). ● Item 483-T-6 HE 20.2020: 971
- 21764 Health maintenance organizations, objectives and issues; [with one reference; by] Beverlee A. Myers. [1972.] 7 p. 4° ([DHEW publication HSM 73-13002.]) * Paper, 10c. (S/N 1720-00039). ● Item 483-T-1 HE 20.2002: H 34/4
- 21765 Health maintenance organizations, statements of President Richard M. Nixon and Secretary Elliot L. Richardson of U.S. Department of Health, Education, and Welfare. [1972.] [6] p. narrow 8° * Paper, 10c. (S/N 1729-00014). ● Item 483-T-1 HE 20.2002: H 34/3

HOUSING AND URBAN DEVELOPMENT DEPARTMENT Washington, DC 20410

Community development evaluation series. ● Item 581-E-5 HH 1.46: (nos.)

- 21766 7. Planned variations, 1st year survey. Oct. 1972. [1]+xii+211 p. 4° * Paper, \$2.75 (S/N 2300-00205).
- 21767 8. Coordinating Federal assistance in community, use of selected mechanisms for planning and coordinating Federal programs. [Aug. 1972.] [3]+iv+[7]+83 p. il. 4° [Prepared in cooperation with Health, Education, and Welfare Department.] * Paper, \$1.50 (S/N 2300-00206).
- 21768 Design guide for home safety, [guideline 1]; prepared by Teledyne Brown Engineering, Huntsville, Ala. Jan. 1972. [177] p. il. 4° (Office of Research and Technology.) * Paper, \$1.50 (S/N 2300-00201). ● Item 582-E L.C. card 72-603600 HH 1.6/3: H 75/no.1
- 21769 HUD-FHA comparison of cooperative and condominium housing. [Mar. 1972.] [3] p. 4° ([HUD-321-F.]) † HH 1.2: C 78

HUD guides. † HH 1.6/7: (letters-nos.)

- 21770 HPMC-FHA G 4447.3. Mortgage insurance for hospitals guide, Change 1. Oct. 25, 1972. [24] p. 4° [Includes transmittal notice. Issued in looseleaf form.]
- 21771 HPMC-FHA G 4447.3. Mortgage insurance for hospitals guide, supp. Change 1. Oct. 25, 1972. [12] p. 4° [Includes transmittal notice. Issued in looseleaf form.]

HUD handbooks. HH 1.6/6: (nos.)

- 21772 335.3. [Assessment/placement profile (APP) system], Change 2. [Sept. 20, 1972.] [4] p. 4° [Issued with perforations. Includes transmittal notice.]
- 21773 1400.1. [Field office processing], Change 1. Aug. 30, 1972. [17] p. il. 4° [Issued with perforations. Includes transmittal notice.] †
- 21774 1930.2A. [Allotments of salary to savings accounts and disposition of net pay checks], Change 2. [Aug. 30, 1972.] [6] p. 4° [Issued with perforations. Includes transmittal notice.] †
- 21775 2140.2. Work measurement standards, manyear allowances for area offices, HUD staff. Nov. 1972. [45] p. 4° [Includes transmittal notice. Issued with perforations.] †
- 21776 3210.1A. Economic stabilization regulations for HUD programs, HUD staff. Nov. 1972. [3]+17+2 p. 4° [Includes transmittal notice. Issued with perforations.] †

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APRIL 1973

- 21777 4020.1. HUD-FHA underwriting analysis. Oct. 1972. 48 p. 1L 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 11, 1972. Issued in looseleaf form. Cancels FHA manual, v. 7, bk. 1, pt. 1, sec. 1, par. 70101.1-70114.2; sec. 2 and 3.] †
- 21778 4070.1. Construction complaints handbook. Sept. 1972. [49] p. 1L 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Sept. 13, 1972. Issued in looseleaf form. Cancels FHA manual, v. 5, sec. 9, pts. 1-3.] †
- 21779 4130.1. Cost estimate/cost data for home mortgage insurance. Sept. 1972. [194] p. (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 12, 1972. Issued in looseleaf form. Cancels FHA manual, v. 7, bk. 1, sec. 8 and 11; v. 7, bk. 2, par. 72771; (Circulars HPMC-FHA 2100.1 Annual production control calendar, Apr. 24, 1970; HPMC-FHA 4220.7, Cost reports, Sept. 11, 1970.) †
- 21780 4145.1. Architectural processing and inspection for home mortgage insurance, (sec. 203 (b)). Sept. 1972. [146] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Sept. 25, 1972. Issued in looseleaf form. Cancels FHA manual, v. 7, bk. 1, sec. 7, 9-10 and 12; Circular-HPMC-FHA 4030.3. Inspection of manufactured housing, factory and field, June 9, 1971.] †
- 21781 4160.1. Reconsideration (before endorsement) for home mortgage insurance. Nov. 1972. [15+1+22 p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice. Issued with perforations.] †
- 21782 4165.1. Endorsement for insurance for home mortgage programs. Sept. 1972. [20] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 5, 1972. Issued in looseleaf form. Cancels FHA manual, v. 6, bk. 1, sec. 4, par. 6401-6409; Circulars-FHA 4005.6A, Insurance endorsement; Home mortgage cases, June 9, 1969; HPMC-FHA 4005.17, Transmittal notice (attached copy of FHA Form 2003), May 27, 1971.] †
- 21783 4255.1. Mortgage insurance for servicemen for home mortgage insurance sec. 222, Oct. 1972. [22] p. 4° [Issued with perforations. Includes transmittal notice.] †
- 21784 4270.1. Processing instructions for home mortgage insurance under sec. 240 purchase of fee simple title from lessors. Oct. 1972. [11] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 6, 1972. Issued in looseleaf form. Cancels FHA manual, v. 7, bk. 1, par. 71455, par. 17984, 21-71984, 24; v. 6, bk. 1, appendix J.] †
- 21785 4275.1. Armed services housing—civilian employees, information and processing instructions for home mortgage insurance, sec. 809, Oct. 1972. [27] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Nov. 2, 1972. Issued in looseleaf form. Cancels FHA manual, v. 7, bk. 1, par. 70769.1, par. 71442 and pars. 71985.1-71985.4; Circulars-FHA 4450.1, Housing for essential civilian employees of Armed Services, NASA, and AEC; sec. 809, Jan. 10, 1969.] †
- Armed services housing for home mortgage insurance, sec. 810(h), Sept. 1972. [9] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 5, 1972. Issued in looseleaf form. Cancels FHA Manual, v. 7, bk. 1, par. 71986-71986.6.] †
- 21787 4285.1. Open-end mortgages for home insurance, sec. 225, Sept. 1972. [15] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 5, 1972. Issued in looseleaf form. Cancels FHA Manual, v. 7, bk. 1, par. 70768.1-70768.2, par. 71438 and 719161.] †
- 21788 4290.1. Mortgages involving experimental housing for home mortgage insurance, sec. 233, Sept. 1972. [18] p. 4° [Issued with perforations. Includes transmittal notice.] †
- 21789 4400.1. Project mortgage insurance, basic sec. 207 instructions. Oct. 1972. [11] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 20, 1972. Issued in looseleaf form. Cancel handbook, HPMC-FHA 1300.6, Handbook of processing procedures for insured and low rent public housing for production Division in HUD Area Offices.] †

GOVERNMENT PUBLICATIONS

HUD handbooks—Continued

- 21790 4410.1. Project fiscal procedures. Oct. 1972. [55] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 19, 1972. Issued in looseleaf form. Cancels Handbook, v. 6, bk. 2, sec. 32 of FHA Manual, Project fiscal procedures.] †
- 21791 4435.1. Construction period to final closing for project mortgage insurance. Oct. 1972. [31] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 11, 1972. Issued in looseleaf form. Cancels FHA Manual v. 6, bk. 2, sec. 35.] †
- 21792 4455.1. Land planning analysis, principles and procedures for project mortgage insurance, sec. 207. Sept. 1972. [16] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 5, 1972. Issued in looseleaf form. Cancels FHA Manual, v. 7, bk. 2, par. 72501-72506; Underwriting letter 1993, Land-use intensity forms, June 8, 1965.] †
- 21793 4460.1. Architectural analysis and inspections for project mortgage insurance, (sec. 207). Aug. 1972. [72] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Aug. 16, 1972. Issued in looseleaf form. Cancels FHA manual, v. 7, bk. 2, sec. 26 and 28.] †
- 21794 4470.1. Mortgage credit analysis for project mortgage insurance (sec. 207), Sept. 1972. [71] p. 4° Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 13, 1972. Issued in looseleaf form. Cancels FHA Manual, v. 8, bk. 2, sec. 30; Circulars, HPMC-FHA 4205.9, Jan. 16, 1970; HPMG-FHA 4205.15, July 29, 1970; HPMC-FHA 1205.22, Apr. 20, 1972.] †
- 21795 4940.1. Minimum property standards for semi-private swimming pools and wading pools. Oct. 1972. [24] p. 4° (Housing Production and Mortgage Credit-Federal Housing Administration.) [Includes transmittal notice, Oct. 5, 1972. Issued in looseleaf form. Cancels Handbook FHA 4516.1-MPS for swimming pools.] †
- 21796 HM 4323.1. Property disposition handbook, reconditioning acquired properties, transmittal. [Sept. 28, 1972.] [5] p. 4° (Housing Management.) [Issued with perforations. Includes transmittal notice no. 2.] †
- 21797 HM 7215.1. Urban renewal handbook transmittal. [Dec. 1, 1972.] [2] leaves, 4° (Housing Management.) [Includes transmittal notice 102. Issued in looseleaf form.] † ● Item 582-E
- 21798 HM 7510.1. Low-rent housing accounting handbook [revised sections]. Oct. 12, 1972. [45] p. 4° (Housing Management.) [Includes transmittal notice 14. Issued in looseleaf form.] †
- 21799 HPMC-FHA 4200.15. [Multifamily reports and forms catalog], Change 1. Oct. 13, 1972. [47] p. 4° [Issued with perforations. Includes transmittal notice.] †
- 21800 RHA 7200.0-7228.1. Urban renewal handbook, Feb. 1968. [1972.] [1328] p. 4° [Consolidated reprint. Includes transmittal notices 1-101. Issued in looseleaf form, with marginal index tabs on 27 blank cardboard dividers showing chapter numbers and titles.] * Paper, \$27.00 (including basic manual and supplementary material for an indefinite period); \$6.75 additional for foreign mailing. ● Item 582-E
- HUD international briefs. (Office of International Affairs.) ● Item 581-E-1
HH 1.40/2: (nos.)
- 21801 15. Housing and urban development in Sweden, report of 1st U.S. Mission to Sweden, June 1972. 34 p. 11. 4° ([HUD 334-1A.]) * Paper, 30c. (S/N 2300-0197).
- 21802 16. Vehicle-free zones in city centers, European experience, June 1972. 51 p. 11. 4° ([HUD 336-1A.]) * Paper, 40c. (S/N 2300-0194).
- 21803 National flood insurance program. [Nov. 1972.] [12] p. narrow 8° ([HUD 283-I(3).]) †
HH 1.2: F 65/972/2
- 21804 1971 HUD statistical yearbook; [prepared by Office of Data Systems and Statistics Office of Deputy Under Secretary]. [1972.] 346 p. 4° ([HUD-338-UD.]) * Paper, \$3.75 (S/N 2300-00204). ● Item 582-M
HH 1.38: 971

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- 21805 Remarks by Samuel C. Jackson, Assistant Secretary for Community Planning and Management, Department of Housing and Urban Development, before International Downtown Executives Association, Birmingham, Ala., Oct. 3, 1972. [1972.] [1]+13 leaves, 4° † HH 1.7: J 13/11
- 21806 Remarks prepared for delivery by George Romney, Secretary, Department of Housing and Urban Development to annual convention of Mortgage Bankers Association of America, San Francisco, Calif., Oct. 23, 1972. [1972.] [1]+22 p. 4° † HH 1.7: R 66/22
- 21807 Remarks prepared for delivery by Samuel C. Jackson, Assistant Secretary for Community Planning and Management, Department of Housing and Urban Development, at Region III Conference on Nonmetropolitan Growth, Richmond, Va., Oct. 18, 1972. [1972.] [1]+21 leaves, 4° † HH 1.7: J 13/12
- 21808 Selected publications checklist. [1972.] [5] p. narrow 8° ([HUD-170-IA]; Office of International Affairs.) † HH 1.23: P 96/3
- 21809 Sus derechos en vivienda. [Sept. 1972.] [6] p. il. narrow 8° ([HUD-62-EO(2).J) † HH 1.2: R 44/S

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

- 21810 Immigration and Naturalization Service reports of passenger travel between United States and foreign countries, fiscal year 1972. [1972.] [2] p. il.+[12] leaves il. 4° † Paper, \$75.00 a year (including monthly, semi-annual, and annual reports for fiscal and calendar years); single copy, \$5.00. J 21.13: 972

INDIAN AFFAIRS BUREAU, Interior Dept. Washington, DC 20240

- 21811 Safety progress report, 1970, zero in on safety, pacesetter for safety. [1972.] cover title, 74 p. il. oblong 8° † I 20.2: Sa 1/970
- 21812 States and their Indian citizens; [by] Theodore W. Taylor. [1972.] xxi+307 p. il. map in pocket. [Map is colored.] * Paper, \$2.25 (S/N 2402-0024). ● Item 627 I 20.2: St 2/3
L.C. card 73-600607

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- 21813 Guides for submission of engineering and development proposals. Sept. 1972. [4] p. narrow 8° (Office of Saline Water.) † ● Item 603-B I 1.77/2: En 3
- 21814 Remarks of Hollis M. Dole, Assistant Secretary for Mineral Resources, Department of Interior, before Oil Import Symposium, Dallas, Tex., Oct. 5, 1972. [1972.] 4 leaves, 4° † I 1.68: D 68/6
- 21815 Telephone directory, Department of Interior, Fall 1972. [1972.] cover title, ii+88 p. 4° [Text on p. 2 and 4 of cover.] * Paper, \$1.00 (S/N 2400-00764). I 1.86: 972-2

INTERNAL REVENUE SERVICE, Treasury Dept. Washington, DC 20224

- 21816 Condemnations of private property for public use. [1972.] 16 p. il. 4° (Publication 549 (10-72).) * Paper, 25c. ● Item 964-B T 22.44/2: 549/5

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- 21817 Federal tax guide for survivors, executors, and administrators. [1972.] 20 p. 4° (Publication 559 (10-72).) * Paper, 30c. ● Item 964-B
T 22.44/2: 559/5
- 21818 Information on excise taxes for 1973, reported on form 720. [1972.] 12 p. 4° (Publication 510 (10-72).) * Paper, 25c. ● Item 964-B
T 22.44/2: 510/5
- 21819 Legal careers, Chief Counsel's Office. [Revised Aug. 1972.] [1972.] [12] p. il. oblong 24° ([Pub. 673.] (Rev. 8-72).) † ● Item 956
T 22.2: C 18/3/972
- 21820 Retirement plans for self-employed individuals. [1972.] 14 p. 4° (Publication 560 (10-72).) * Paper, 25c. ● Item 964-B
T 22.44/2: 560/5
- 21821 Statistics of income 1969: Business income tax returns. [1972.] cover title, v-303 p. il. 4° (Publication 438 (10-72); [Statistics Division].) * Paper, \$4.00 (S/N 4804-00520). ● Item 964
T 22.35/2: B 96/969
- 21822 Tax benefits for older Americans. [1972.] 20 p. 4° (Publication 554 (10-72).) * Paper, 30c. ● Item 964-B
T 22.44/2: 554/5
- 21823 Tax guide for small business, 1973 edition, individuals, partnerships, corporations, income, excise, and employment taxes, for use in preparing 1972 returns. [Revised to Oct. 1972.] [1972.] cover title, 192 p. 4° (Publication 334.) [Text on p. 2-3 of cover.] * Paper, 75c. ● Item 956-A
T 22.19/2: Sm 1/973
- 21824 Tax information on business expenses. [1972.] 24 p. 4° (Publication 535 (10-72).) * Paper, 30c. ● Item 964-B
T 22.44/2: 535/5
- 21825 Tax information on deductions for homeowners. [1972.] 10 p. 4° (Publication 530 (10-72).) * Paper, 15c. (S/N 4804-00510). ● Item 964-B
T 22.44/2: 530/5
- 21826 Tax information on depreciation. [1972.] 34 p. 4° (Publication 534 (10-72).) [Includes class life asset depreciation range system.] * Paper, 55c. ● Item 964-B
T 22.44/2: 534/5
- 21827 Tax information on interest equalization tax. [1972.] 18 p. 4° (Publication 565 (10-72).) * Paper, 30c. ● Item 964-B
T 22.44/2: 565/3
- 21828 Tax information on investment income and expenses. [1972.] 24 p. 4° (Publication 550 (10-72).) * Paper, 30c. ● Item 964-B
T 22.44/2: 550/5
- 21829 Tax information on partnership income and losses. [1972.] 20 p. 4° (Publication 541 (10-72).) * Paper, 30c. ● Item 964-B
T 22.44/2: 541/4
- 21830 Taxable income and nontaxable income. [1972.] 21 p. 4° (Publication 525 (10-72).) * Paper, 30c. ● Item 964-B
T 22.44/2: 525/5
- 21831 United States tax guide for aliens. [1972.] 32 p. 4° (Publication 519 (10-72).) * Paper, 40c. ● Item 964-B
T 22.44/2: 519/5

INTERNATIONAL COMMERCE BUREAU, Commerce Dept. Washington, DC 20230

Foreign economic trends and their implications for United States, ET (series). * Paper, \$27.00 a yr., \$6.75 additional for foreign mailing.
● Item 231-I C 42.30: (nos.)

- 21832 72-130. Finland. Nov. 16, 1972. 12 p. 4° (American Embassy, Helsinki.) [Semi-annual. Supersedes: ET 72-055.]
- 21833 72-132. Dahomey. Nov. 8, 1972. 12 p. 4° (American Embassy, Cotonou.) [Annual. Supersedes: ET 71-144.]
- 21834 72-135. France. Nov. 15, 1972. 7 p. 4° (American Embassy, Paris.) [Semi-annual. Supersedes: ET 72-060.]
- 21835 Market share reports catalog. May 1972. 18 p. 4° (COMM-72-90013.) †
● Item 231-D C 42.15: M 34

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INTERSTATE COMMERCE COMMISSION
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- 21836 Revenue and traffic of class A and B water carriers, 12 months ended Dec. 1971 and 1970. [1972.] 3 p. oblong large 8° (Statement 650; Bureau of Accounts.) [Semiannual. Compiled from 83 quarterly reports (Form QWS). Replaces Statement Q-650.] † IC 1 wat.11: 971-2
- 21837 Transport statistics in United States, for year ended Dec. 31, 1971; prepared by Bureau of Accounts. [Issued in sections as parts, punched for binders. This 1971 report when complete will consist of pts. 1, 5, 6, 7, 8, and 9.]
● Item 699 IC 1.25: 971/pt. (nos.)
pt. 6. Pipe lines. [1972.] cover title, [1]+29 p. 4° * Paper, 70c. (S/N 2600-00892).
pt. 8. Freight forwarders. [1972.] cover title, [1]+7 p. 4° * Paper, 40c. (S/N 2600-00893).

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STUDY IN THE HEALTH SCIENCES, Health, Education, and
Welfare Dept., Bethesda, MD 20014

- 21838 Topics of study interest in medicine and public health in People's Republic of China, report of planning meeting [with list of references]. 1972. x+75 p. il. (DHEW publication (NIH) 72-395; Geographic Health Studies Program.) † ● Item 507-C-1
L.C. card 73-600868 HE 20.3702: C 44/2

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- 21839-1 Herald of communications, v. 32, nos. 7-10; JPRS 57974, 58004, 58016, 58116.
21839-2 Index of Le Monde, nos. 144, 145; JPRS 57876, 58080 (Final issue published by JPRS).
21839-3 Meteorology and hydrology, USSR, nos. 11, 12, 1972; JPRS 58025, 58133.
21839-4 People's Republic of China scientific abstracts, no. 66; JPRS 57987.
21839-5 Problems of Far East, no. 4, (1972); JPRS 58099.
21839-6 Soviet public health, USSR, v. 31, nos. 11, 12; JPRS 57875, 58117.
21839-7 Space biology and medicine, v. 6, no. 6; JPRS 58010.
21839-8 Translations from Kommunist, nos. 16, 17 (1972); JPRS 57871, 57988.
21839-9 Translations on Africa, nos. 1247-1259; JPRS 57873, 57886, 57909, 57936, 57945, 57981, 58009, 58033, 58052, 58072, 58089, 58106, 58132.
21839-10 Translations on Eastern Europe: Economic and industrial affairs, nos. 805-827; JPRS 57849, 57862, 57890, 57898, 57924, 57946, 57956, 57966, 57973, 57977, 57982, 57997, 58007, 58019, 58032, 58037, 58051, 58075, 58094, 58103, 58119, 58131, 58139.
21839-11 Translations on Eastern Europe: Political sociological, and military affairs, nos. 645-664; JPRS 57848, 57852, 57860, 57870, 57888, 57905, 57925, 57933, 57949, 57957, 57971, 58000, 58017, 58035, 58050, 58059, 58079, 58084, 58129, 58140.
21839-12 Translations on Eastern Europe: Scientific affairs, nos. 263, 292-301; JPRS 56731, 57884, 57912, 57952, 57983, 58053, 58063, 58071, 58096, 58121, 58141.
21839-13 Translations on Latin America, nos. 841-860; JPRS 57842, 57859, 57865, 57887, 57897, 57918, 57935, 57950, 57965, 57986, 57994, 58018, 58034, 58049, 58062, 58076, 58090, 58104, 58123, 58130.
21839-14 Translation on Mongolia, no. 269; JPRS 57920.
21839-15 Translations on narcotics and dangerous drugs, nos. 75-80; JPRS 57850, 57889, 57939, 57985, 58036, 58091.
21839-16 Translations on Near East, nos. 876-893; JPRS 57844, 57869, 57899, 57926, 57934, 57947, 57955, 57970, 57980, 57999, 58014, 58028, 58038, 58048, 58065, 58086, 58107, 58127.
21839-17 Translations on North Korea, nos. 278-282; JPRS 57843, 57857, 57932, 58021, 58077.
21839-18 Translations on North Vietnam, nos. 1301, 1327; JPRS 57839, 57846, 57853, 57854, 57866, 57891, 57894, 57896, 57910, 57917, 57931, 57944, 57954, 57963, 57968, 57979, 57995, 58006, 58013, 58027, 58031, 58047, 58058, 58088, 58102, 58128, 58138.
21839-19 Translations on People's Republic of China, nos. 210-212; JPRS 57908, 58005, 58070.
21839-20 Translations on south and east Asia, nos. 393-396; JPRS 57922, 57958, 58064, 58105.

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- 21839-21 Translations on USSR agriculture, nos. 605-612; JPRS 57847, 57867, 57882, 57904, 57943, 58001, 58024, 58111.
- 21839-22 Translations on USSR economic affairs, nos. 435-445; JPRS 57838, 57864, 57868, 57895, 57938, 57942, 57953, 57962, 57978, 58054, 58124.
- 21839-23 Translations on USSR industrial affairs, nos. 220-223; JPRS 57903, 58022, 58073, 58125.
- 21839-24 Translations on USSR military affairs, nos. 874-884; JPRS 57840, 57856, 57892, 57902, 57911, 57921, 57930, 57959, 57996, 58083, 58110.
- 21839-25 Translations on USSR political and sociological affairs, nos. 315-326; JPRS 57851, 57885, 57900, 57961, 57964, 57993, 58008, 58057, 58066, 58087, 58120, 58126.
- 21839-26 Translations on USSR resources, nos. 327-332; JPRS 57872, 57937, 57969, 58023, 58085, 58108.
- 21839-27 Translations on USSR trade and services, nos. 466-482; JPRS 57836, 57845, 57863, 57883, 57901, 57919, 57951, 57967, 57972, 58020, 58060, 58074, 58095, 58109, 58122, 58135, 58142.
- 21839-28 Translations on Western Europe nos. 367-376; JPRS 57855, 57881, 57907, 57948, 57993, 58026, 58061, 58078, 58101, 58134.
- 21839-29 USA: Economics, politics, ideology, no. 12 (1972); JPRS 57874.
- 21839-30 USSR scientific abstracts: Bio-medical science, nos. 122-124; JPRS 57861, 57960, 58029.
- 21839-31 USSR scientific abstracts: Chemistry, no. 116; JPRS 58002.
- 21839-32 USSR scientific abstracts: Electronics and electrical engineering, no. 146; JPRS 57877.
- 21839-33 USSR scientific abstracts: Engineering and equipment, nos. 116, 117; JPRS 57975, 57984.
- 21839-34 USSR scientific abstracts: Materials science and metallurgy, no. 109; JPRS 58015.
- 21839-35 USSR scientific abstracts: Physics and mathematics, no. 229; JPRS 58082.
- 21839-36 Vestnik of the USSR Academy of Medical Sciences, v. 27, no. 11; JPRS 58012.
- 21839-37 Vestnik of USSR Academy of Sciences, v. 42, no. 11; JPRS 58011.
- 21839-38 World epidemiology review, no. 44; JPRS 57837.

JPRS (series). Φ Paper, each, \$3.00.

Y 3.J 66.13/(nos.)

- 21840 57841. Using video pulse sequencing for sounding sea ice, USSR [with bibliography]; by M. I. Finkel'shteyn and V. A. Kutev. Dec. 22, 1972. cover title, [1]+11 p. il. 4° [From Radiotekhnika i elektronika, v. 17, no. 10, 1972. Some pages are printed as leaves.]
- 21841 57878. Psychological compatibility in interplanetary flight, USSR; by A. A. Leonov and V. I. Lebedev. Jan. 2, 1973. 18 p. 4° [From Russian-language journal Voprosy filosofii, no. 9, 1972. Moscow.]
- 21842 57879. Abstracts of papers from International Symposium on Boron, Oct. 9-11, 1972. USSR. Jan. 2, 1973. cover title, [1]+a-b+7 p. 4° [From Mezhdunarodnyy simpozium po boru tezisy dokladov, 1972, Tbilisi.]
- 21843 57880. Combined gas-laser pumping, USSR [with bibliography]; by Ye. P. Velikhov, I. V. Novobrantsev, et al. Jan. 2, 1973. cover title, [1]+6 p. 4° [From Doklady Akademii Nauk SSSR, v. 205, no. 6, 1972.]
- 21844 57893. Dynamics of rocket control systems with on-board digital computers, USSR [with bibliography]; by V. D. Arens, S. M. Federov, et al. Jan. 3, 1973. cover title, [1]+a-c+232 p. il. 4°
- 21845 57906. Formation of inversion in CO₂-H₂O-N₂ gas mixture jet expanding through slit, USSR [with bibliography]; by Ye. M. Kudrayartsev and V. N. Fayzulayev. Jan. 4, 1973. cover title, [1]+15 p. il. 4° [Laboratory of Low Temperature Plasma Optics, Moscow, Preprint, 68, 1972.]
- 21846 57913. Interkosmos satellites study cosmic rays, USSR; by N. L. Grigorov and P. V. Vakulov. Jan. 5, 1973. cover title, [1]+17 p. il. 4° [From Priroda, no. 10, 1972.]
- 21847 57914. Study of peripheral auditory adaptation in psychoacoustical experiment, USSR [with bibliography]; by L. A. Chistovich, V. A. Kozhevnikov [and] L. V. Lesogor. Jan. 5, 1973. cover title, [1]+9 p. il. 4° [From Fiziologicheskii zhurnal SSSR, no. 10, 1972.]
- 21848 57915. Influence of method of liquefying vapor phase on flow characteristics of accelerator output of liquid-metal MHD-converter, USSR [with bibliography]; by V. B. Kozlov and V. A. Dzhamardzhbashvili. Jan. 5, 1973. cover title, [1]+10 p. il. 4° [From Izvestiya Akademii Nauk SSSR, Energetika i transport, no. 5, 1972.]
- 21849 57916. Blackballing, professional and ethical aspects, USSR [with bibliography]. Jan. 9, 1973. cover title, [1]+10 p. 4° [From Literaturnaya gazeta, no. 44, Nov. 4, 1972.]
- 21850 57923. Equation of state of mixture of helium and nitrogen, USSR [with bibliography]; by V. N. Popov and V. I. Chernyshov. Jan. 5, 1973. cover title, [1]+7 p. 4° [From Izvestiya Akademii Nauk SSSR, energetika i transport, no. 3, 1971.]
- 21851 57927. Biological effect of constant magnetic fields, USSR [with bibliographies]; by L. A. Piruzyan, et al. Jan. 8, 1973. cover title, [1]+a+19 p. il. 4° [From Izvestiya Akademii Nauk SSSR, Seriya biologicheskaya, no. 4, 1970, no. 1, 1972.]
- 21852 57928. Laser irradiation and melanoma, USSR [articles, with bibliographies]. Jan. 8, 1973. cover title, [1]+a+12 p. il. 4° [From Izvestiya Akademii Nauk SSSR, Seriya biologicheskaya, no. 1, 1968; no. 3, 1970.]
- 21853 57929. Heat engineering problems in nuclear centralized heating and power centers, USSR. Jan. 8, 1973. cover title, [1]+a+14 p. il. 4° [From Energetik, no. 7, 1971; Teploenergetika, no. 9, 1972.]

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- 21854 57940. Magneto-hydrodynamic method of producing electrical energy, USSR [with bibliographies]. Jan. 9, 1973. pt. 1. cover title, [1]+a+206 p. il. 4° pt. 2. cover title, [1]+a+207-414 p. il. 4°
- 21855 57941. Problems of modern ideological struggle and development of socialist ideology and culture, USSR. Jan. 9, 1973. cover title, [1]+a-c+179 p. 4°
- 21856 57976. Distribution of total ozone content of atmosphere according to satellite observations, USSR [with bibliography]; by V. M. Berezin and N. F. Yelanskiy. Jan. 15, 1973. cover title, [1]+9 p. il. 4° [From Izvestiya Akademii Nauk SSSR, Fizika atmosfery i okeana, no. 5, 1972.]
- 21857 57990. Motion studies of gyro instruments and geopolar measurement error [articles, with bibliographies]. Jan. 16, 1973. cover title, [1]+a+24 p. il. 4° [From Izvestiya VUZ, Priborostroyeniye, no. 10, 1972.]
- 21858 57991. Soviet research on exobiology, USSR [with bibliographies]; by P. P. Garyayev, R. I. Fedorova. Jan. 16, 1973. cover title, [1]+a+22 p. il. 4° [Izvestiya Akademii Nauk SSSR, Seriya Biologicheskaya, no. 5, 1972.]
- 21859 57992. Study of mechanisms of paradoxical sensitivity of botulin [with bibliography]; by Yu. I. Donets and N. B. Rasskazova. Jan. 16, 1973. cover title, [1]+8 p. 4° [From Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 10, 1972.]
- 21860 58003. Effects of LSD, chlorpromazine, and organophosphorous cholinesterase inhibitors on brain, USSR [with bibliographies]; by T. T. Bondarenko, V. Ya. Dvorkin, G. V. Kiselev. Jan. 17, 1973. cover title, [1]+a+11 p. il. 4° [From Bulletin 'eksperimental' noy biologii i meditsiny, no. 11, 1972, Moscow.]
- 21861 58030. Report to 5th all-Union conference on control problems, USSR [with bibliographies]; by K. N. Rudnev, et al. Jan. 22, 1973. cover title, [1]+a+126 p. il. 4° [From Avtomatika i telemekhanika, no. 9, 1972, Moscow.]
- 21862 58039. Emotional stress during spaceflight, USSR; by L. Khachat' yants and L. Grimak. Jan. 23, 1973. cover title, [1]+7 p. il. 4° [From Avtatsiya i Kosmonavtika, no. 11, 1972, Moscow.]
- 21863 58040. Shipboard quantum Z-magnetometer, USSR [with bibliography]; by G. V. Alekseyev, S. P. Bakalinskiy, A. Ya. Rotshteyn. Jan. 23, 1973. cover title, [1]+7 p. il. 4° [From Geomagnetizm i aeronomiya, no. 5, 1972, Moscow.]
- 21864 58041. Reference aid, guide to transliteration of Algerian Arabic place names, Near East. Jan. 23, 1973. cover title, [1]+a+63 p. 4° [From Journal officiel and Al-jaridah al-rasmiyah, no. 10, Feb. 2, 1971, Algiers. English transliteration and Arabic characters.]
- 21865 58042. Controlled myorelaxants and ganglioblockers with disulfide bond, USSR [with bibliography]; by N. V. Khromov-Borisov, V. Ye. Gmiro, L. G. Magazanik. Jan. 23, 1973. cover title, [1]+5 p. 4° [From Khimiko-farmatsevticheskii zhurnal, no. 11, 1972, Moscow.]
- 21866 58043. New psychology institute, USSR; by B. F. Lomov. Jan. 23, 1973. cover title, [1]+5 p. 4° [From Voprosy Filosofii no. 5, 1972, Moscow.]
- 21867 58044. Erection and testing of zonal signal enhancer on Chollon-Ata-Orghoch radio relay line, USSR [with one reference]; by M. Baybosunov, O. Mamayev, et al. Jan. 23, 1973. cover title, [1]+4 p. il. 4° [From Elektrosvyaz, no. 5, 1972, Moscow.]
- 21868 58045. Determining cholinesterase activity in animals' tissues following action of reversible inhibitors, USSR [with bibliography]; by V. D. Tonkopy, N. V. Savateyev, et al. Jan. 23, 1973. cover title, [1]+5 p. 4° [From Doklady Akademii Nauk SSSR, no. 3, 1972, Leningrad.]
- 21869 58046. Prototype of continuous dryer developed by ITMO, Academy of Sciences, Belorussian SSR, USSR; by N. V. Fedorovich, S. M. Reprintseva, et al. Jan. 23, 1973. cover title, [1]+4 p. il. 4° [From Khimiko-farmatsevticheskii zhurnal, no. 11, 1972, Moscow.]
- 21870 58055. Environmental research by means of manned space stations [with bibliographies]; by K. Ya. Kondrat' yev et al. Jan. 24, 1973. pt. 1. cover title, [1]+a-b+1-252 p. il. 4° pt. 2. cover title, [1]+a-b+253-422 p. il. 4°
- 21871 58056. Four-channel miniature radio-electronic system for transmitting brain bio-potentials, USSR [with bibliography]; by V. V. Popenchenko, V. M. Koltun, et al. Jan. 24, 1973. cover title, [1]+5 p. il. 4° [From Zhurnal vysshey nervnoy deyateli' nosti, no. 5, 1972, Moscow.]
- 21872 58067. Use of psychological methods for investigation of psychotropic action proper of some psychopharmaceutical substances [with bibliography]; by Ye. I. Os'Makova. Jan. 26, 1972. cover title, [1]+7 p. 4° [From Zhurnal neuropatologii i psikiatrii, no. 1, 1972.]
- 21873 58068. What is known about Venus, USSR [with recommended bibliography]; by M. Ya. Marov. Jan. 26, 1973. cover title, [1]+21 p. il. 4° [From Priroda, no. 10, 1972, Moscow.]
- 21874 58069. Cybernetics and regulation theory, USSR [articles with bibliography]; by M. S. Nikol'skiy, A. S. Bernshteyn, L. V. Petukhov, et al. Jan. 26, 1973. cover title, [1]+a+24 p. il. 4° [From Doklady Akademii Nauk SSSR, v. 205, no. 4, 1972, Moscow.]
- 21875 58081. Self-regulation of the brain, USSR [with bibliography]; by K. A. Ivanov-Muromskiy. Jan. 29, 1973. cover title, [1]+a+189 p. il. 4° [From Samoregulatsiya golovnoy mozga, 1971, Kiev.]

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JPRS (series)—Continued

- 21876 58092. Characteristics of cardiac activity in man-operator in control process, USSR [with bibliography]; by A. M. Zingerman. Jan. 30, 1973. cover title, [1]+12 p. il. 4° [From *Fiziologicheskii zhurnal SSR*, no. 10, 1972.]
- 21877 58093. Some quaternary ammonium compounds, USSR [articles, with bibliographies]. Jan. 30, 1973. cover title, [1]+a+8 p. il. 4° [From *Farma-kologiya i toksikologiya*, no. 5, 1972.]
- 21878 58097. Selected translations on metallurgy, USSR [with bibliographies]. Jan. 30, 1973. cover title, [1]+a+51 p. il. 4° [From Russian-language journal *Vilyaniye predvaritel' noy deformatsii na svoystva metallov i splavov*, no. 12, 1971, Alma-Ata.]
- 21879 58098. Self-regulation of neural mechanisms, USSR [with bibliography]; by D. N. Menitskiy. Jan. 30, 1973. cover title, [1]+13 p. 4° [From *Izdatel'stvo Nauka*, Leningrad, 1972.]
- 21880 58100. Reanimatology, USSR; by A. Aksel'rod. Jan. 30, 1973. cover title, [1]+14 p. il. 4° [From *Nauka i Zhizn'*, no. 11, 1972.]
- 21881 58113. Problems of man's interaction with his natural environment [with bibliography]; by Ye. K. Fedorov and I. B. Novik. Jan. 31, 1973. cover title, [1]+16 p. 4° [From *Voprosy filosofii*, no. 12, 1972, Moscow.]
- 21882 58114. Heat supply diagrams for USSR climatic regions [with bibliography]; by V. I. Brazhnikov. Jan. 31, 1973. cover title, [1]+11 p. il. 4° [From *Elektricheskiye stantsii*, no. 2, Feb. 1971, Moscow.]
- 21883 58115. In the magnetic web, USSR; by V. Anisimov. Jan. 31, 1973. cover title, [1]+7 p. 4° [From *Sotsialisticheskaya industriya*, Jan. 7, 1973.]
- 21884 58118. Reference aid directory of JPRS serial publications 1957-72, world wide. cover title, [1]+a-b+42 p.
- 21885 58136. Evolution of changes in loose connective tissue under influence of optical quantum generator, USSR [with bibliography]; by A. A. Vishnevskiy Jr., and N. V. Tsyganova. Feb. 2, 1973. cover title, [1]+6 p. il. 4° [From *Ekspperimental' naya khirurgiya i anesteziologiya*, no. 5, 1972.]
- 21886 58137. Influence of several technological parameters on strength properties of E1893L alloy, USSR; by M. D. Nikitin, A. V. Mal'kevich, et al. Feb. 2, 1973. cover title, [1]+6 p. il. 4° [From *Energomashinostroyeniye* no. 6, June 1971.]

JUSTICE DEPARTMENT Washington, DC 20530

- 21887 Address by Jerris Leonard, Administrator, Law Enforcement Assistance Administration, before Council of State court representatives, Denver, Colo., Nov. 17, 1972. [1972.] [1]+9 p. 4° † J 1.34: L 55
- 21888 Basic elements of intelligence, manual of theory, structure, and procedures for use by law enforcement agencies against organized crime [with bibliography]; by E. Drexel Godfrey and Don R. Harris. Nov. 1971 published 1972]. xiii+50 p. il. 4° (Technical Assistance Division, Office of Criminal Justice Assistance, Law Enforcement Assistance Administration.) * Paper, \$1.25 (S/N 2700-00162). ● Item 717-A J 1.8/2: In 8/2
- Criminal justice agencies, 1971; [prepared by Karen Joerg]. Feb. 1972. L.C. card 70-185037 J 1.39: N 81 c
- 21889 North Carolina. v+86 p. 4° ([Report SD-D-35.]) * Paper, 50c. (S/N 2700-0099). ● Item 717-H
- 21890 Evaluation of crime control programs; by Michael D. Maltz. Apr. 1972. [5]+64 p. il. 4° (Law Enforcement Assistance Administration, National Institute of Law Enforcement and Criminal Justice.) * Paper, 65c. (S/N 2700-00163). ● Item 717 J 1.2: C 86/15
- L.C. card 72-603622
- 21891 Guideline manual, State planning agency grants: pt. 2, Sept. 11, 1972. cover title, [64] p. 4° (M 4300.1; Law Enforcement Assistance Administration, Office of Criminal Justice Assistance.) [Cancels SPA memo 10, Change 1, Guidelines for fy 1973 comprehensive State law enforcement plans. Text on p. 2 of cover. Issued with perforations.] † ● Item 717-A J 1.8/2: St 2/pt.2
- 21892 Library book catalog; Subject catalog. June 1972. cover title, [2]+243 p. 4° (Technical Information Staff, Law Enforcement Assistance Administration.) * Paper, \$1.75 (S/N 2700-0159). ● Item 717-G J 1.20/3: 972/sec.3

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- 21893 List of participating institutions, fiscal year 1973. Sept. 1972. [5]+92 p. 4°
(Law Enforcement Assistance Administration.) † ● Item 717-L
J 1.43: 973

PR (series). (National Institute of Law Enforcement and Criminal Justice, Law Enforcement Assistance Administration.)

- 21894 72-15. Bronx Sentencing Project of Vera Institute of Justice, experiment in use of short-form presentence reports for adult misdemeanants: by Joel B. Lieberman, S. Andrew Schaffer, John M. Martin. [1973.] [1]+v1+53 p. 4° [Conducted with funds received under grant N1-036.] * Paper, \$1.00 (S/N 2700-00165). ● Item 717-D J 1.36: 72-15

LABOR DEPARTMENT Washington, DC 20210

- 21895 Address by J. D. Hodgson, Secretary of Labor, before 16th constitutional convention, United Steelworkers of America, Las Vegas, Nev., Sept. 20, 1972. [1972.] 10 leaves 4° (USDL 72-646; Office of Information.) †
L 1.13: H 66/48
- 21896 Address by Secretary of Labor, James D. Hodgson, before Massachusetts State Building and Construction Trades, Council Semi-Annual Convention, Hyannis, Mass., Nov. 4, 1972. [1972.] 9 leaves, 4° †
L 1.13: H 66/43
- 21897 Labor relations in Federal service, guide to changes in revised regulations. [1972.] [2]+28 p. 4° (Office of Federal Labor-Management Relations.) [Title 29-Labor code of Federal regulations, chap. 2-Office of Assistant Secretary for Labor-Management Relations, Department of Labor.] †
● Item 745-A L 1.7/2: F 31
- Public sector labor relations information exchange [publications]. ● Item 754-C
- 21898 Public sector labor relations in Northeast region, regional series. Nov. 1972. cover title, iv+89 p. 4° (Labor Management Services Administration, Division of Public Employee Labor Relations.) †
L.C. card 72-603611 L 1.66: N 81
- 21899 State profiles, current status of public sector labor relations; [prepared by John L. Bonner and Ken Fain]. Nov. 1971 [reprint Mar. 1972]. v+103 p. 4° (Labor-Management Services Administration. [Division of Public Employee Labor Relations].) [Issued with perforation.] * Paper, 50c. L1.66: St 2/2
- 21900 Trade, employment, and the labor ministries, address by Secretary of Labor James D. Hodgson at Fourth Inter-American Conference of Labor Ministers, Buenos Aires, Argentina, Nov. 24, 1972. [1972.] 11 leaves 4° †
L 1.13: H 66/44
- 21901 Worker productivity, Government and business, address by Secretary of Labor, J. D. Hodgson to Conference Board, New York, N.Y., May 23, 1972. 1972. 9 leaves, 4° †
L 1.3: H 66/50

LABOR STATISTICS BUREAU, Labor Dept. Washington, DC 20210

Bulletins. ● Item 768

L 2.3: (nos.)

- 21902 1370-9. Employment and earnings, States and areas, 1939-71. [1972.] xxxv+1 682 p. il. 4° * Paper, \$7.50 (S/N 2901-00978).
- 21903 1425-14. Major collective bargaining agreements: Administration of seniority; [prepared by Winston L. Tillery, Bernard J. Hause, and Homer R. Kemp, jr.]. 1972. vii+59 p. 4° ([Division of Industrial Relations, Office of Wages and Industrial Relations.]) [Includes list of available Bulletins of 1425 series on major collective bargaining agreements.] * Paper, \$1.25.
L.C. card 73-600999
- 21904 1685-91. Area wage surveys, selected metropolitan areas, 1970-71, occupational earnings, 89 areas, supplementary provisions, 44 areas. 1972. iv+106 p. 4° * Paper, \$1.50.
- 21905 1750. Directory of national unions and employee associations, 1971, including state labor organizations, developments, since 1969, structure and membership: [prepared by Lucretia M. Dewey, assisted by Sheldon M. Kline.] 1972. vi+147 p. il. 4° * Paper, \$2.00.

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- 21906 1759. Municipal collective bargaining agreements in large cities; [by Richard R. Nelson, with assistance of Haney R. Pearson and Donald L. Breneman]. 1972. vi+67 p. 4° * Paper, \$1.25.
L.C. card 73-600988
- 21907 1760. Black Americans, decade of occupational change. Revised 1972. [1972.] v+26 p. il. * Paper, 40c. (S/N 2901-00967).
- 21908 1763. Industry wage survey, fertilizer, Mar.-Apr. 1971; [prepared by Donald S. Rizdon]. [1972.] vi+40 p. 4° * Paper, 75c.
- 21909 1764. National survey of professional, administrative, technical, and clerical pay, Mar. 1972. 1973. v+69 p. il. 4° * Paper, \$1.25.
L.C. card 73-600986
- 21910 1775-8. Area wage survey, Manchester, N.H., metropolitan area, July 1972. [Nov. 1972.] cover title, 29 p. oblong 8° * Paper, 55c.
- 21911 1775-9. Area wage survey: Tampa-St. Petersburg, Fla., metropolitan area, Aug. 1972. [Dec. 1972.] cover title, 20 p. oblong 8° * Paper, 45c.
- 21912 1775-10. Area wage survey: Scranton, Pa., metropolitan area, July 1972. [Dec. 1972.] cover title, 20 p. oblong 8° * Paper, 45c.
- 21913 1775-11. Area wage survey: Syracuse, N.Y., metropolitan area, July 1972. [Dec. 1972.] cover title, 20 p. oblong 8° * Paper, 45c.
- 21914 1775-12. Area wage survey: Trenton, N.J., metropolitan area, Sept. 1972. [Dec. 1972.] cover title, 31 p. oblong 8° * Paper, 55c.

Monthly labor review, reprints. †

L 2.6/a : (nos.)

- 21915 2832. Results of 1972 International Labor Conference, technological change and adherence to relevancy stressed; by Joseph P. Goldberg. [1972.] p. 38-46, 4° [From Sept. 1972 issue.]
- 21916 2840. Impact of health on earnings and labor activity; by Joseph M. Davis. [1972.] p. 46-48, 4° [From Oct. 1972 issue.]
- 21917 Selected papers from North American Conference on Labor Statistics, June 26-29, 1972, Denver, Colo. 1972. vi+197 p. il. 4° [Co-sponsored by Colorado Department of Labor and Employment.] † ● Item 769-C
L 2.80 : 972

LIBRARY OF CONGRESS Washington, DC 20540

- 21918 Accessions list: India, annual supplement, cumulative list of serials, 1972. 1972. cover title, [2]+548 p. 4° (Public law 480 project; American Libraries Book Procurement Center, New Delhi.) † (Libraries only)
L.C. card 63-24164 LC 1.30/1-2 : 972
- 21919 — Pakistan, quinquennial index, 1967-71. 1972. cover title, [1]+98 p. 4° (Public law 480 project; American Libraries Book Procurement Centers, Karachi-Dacca.) † (Libraries only).
L.C. card 63-24162 LC 1.30/2-2 : 967-71
- 21920 Owen Wister, register of his papers in Library of Congress. 1972. [3]+32 p. 4° †
L.C. card 72-5239 LC 4.2 : W 76

MANAGEMENT AND BUDGET OFFICE, Executive Office of the President, Washington, DC 20503

- 21921 Budget of United States Government, fiscal year 1974. [1973.] iv+388 p. il. [Also issued as H. doc. 15, pt. 1, 93d Congress, 1st session.] * Paper, \$2.60 (S/N 4101-00079). ● Item 853 PrEx 2.8 : 974
- 21922 Budget of United States Government, fiscal year 1974, Appendix. [1973.] 1119 p. 4° [Also issued as H. doc. 16, 93d Congress, 1st session.] * Paper, \$10.70 (S/N 4101-00080). ● Item 853 PrEx 2.8 : 974/app.
- 21923 Special analyses, budget of United States Government, fiscal year 1974. [1973.] 294 p. il. * Paper, \$2.35 (S/N 4101-00082). ● Item 855-B PrEx 2.8/5 : 974
- 21924 U.S. budget in brief, fiscal year 1974. [1973.] cover title, 71 p. il. [Text on p. 2-4 of cover.] * Paper, 60c. (S/N 4101-00081). ● Item 855-A PrEx 2.8/2 : 974

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

- 21925 U.S. Marine operations in west Korea 1950-53: v. 5, Operations in Korea [with bibliography]; by Pat Meid, and James M. Yingling. 1972. xi+643 p. il. 32 p. of pl. (Historical Division, Headquarters, U.S. Marine Corps.) [Illustrated lining papers.] * Cloth, \$4.50 (S/N 0855-0059). ● Item 383-B
L.C. card 55-60727 D 214.13: K 84/v.5

MARITIME ADMINISTRATION, Commerce Dept. Washington, DC 20548

- MA SP (series). † C 39.210/2:(nos.)
- 21926 72-24. Remarks of Robert J. Blackwell, Assistant Secretary of Commerce for Maritime Affairs, at annual meeting of Delaware Valley Council, Philadelphia, Pa., Nov. 9, 1972. [1972.] 6 p. 4°
- 21927 72-28. Remarks by Robert J. Blackwell, Assistant Secretary of Commerce for Maritime Affairs, at seminar on financing U.S. merchant fleet in 70's, San Francisco, Calif., Nov. 30, 1972. [1972.] 6 p. 4°
- 21928 72-29. Remarks by Robert J. Blackwell, Assistant Secretary of Commerce for Maritime Affairs, for presentation before Shipbuilders Council of America, Washington, D.C., Dec. 6, 1972. [1972.] 7 p. 4°
- 21929 Ship American bonus, how DISC [Domestic International Sales Corporation] corporations benefit by using U.S. flag ships [June 1972.] [8] p. narrow 8° [Includes list of U.S. flag general cargo carriers and the trade areas they serve.] † ● Item 235 C 39.202: D 71/2

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.)
- 21930 656. Chronic CO, toxicity, species difference in physiological and histopathological effects [with list of references]; by K. E. Schaefer, [and others]. Mar. 4, 1971. cover title, iii+26+2 p. il. 4° [Research work unit MF12.524.006-9028BA9K.11.]
- 21931 713. High pressure reaction vessel system 1, installation, modification and initial experiments [with list of references]; by Alexander H. Smith and Donald V. Tappan. June 9, 1972. cover title, iii+9+2 p. il. 4° [Research work unit MRO11.5051.01.]

MINES BUREAU, Interior Dept. Washington, DC 20240

- 21932 Abrasive materials in 1971; prepared in Division of Nonmetallic Minerals. Oct. 12, 1972. 4 p. 4° (Mineral industry surveys, annual advance summary.) † Mines Bureau, Pittsburgh, PA 15213 I 28.116: 971
- 21933 Coke and coal chemicals in 1971; prepared in Division of Fossil Fuels. Oct. 4, 1972. cover title, 24 p. 4° (Minerals industry surveys, coke and coal chemicals, annual.) † Mines Bureau, Pittsburgh, PA 15213 I 28.30/4: 971
- 21934 Distribution of Pennsylvania anthracite for coal year Apr. 1, 1970-Mar. 31, 1971; [prepared in Division of Fossil Fuels]. Dec. 1, 1972. 8 p. 4° (Mineral industry surveys; Pennsylvania anthracite distribution annual.) † Mines Bureau, Pittsburgh, PA 15213 I 28.50/3: 970-71
- 21935 Gem stones in 1971; prepared in Division of Nonmetallic Minerals. Oct. 12, 1972. 1 p. 4° (Mineral industry surveys, annual advance summary.) † Mines Bureau, Pittsburgh, PA 15213 I 28.117: 971
- 21936 Gypsum in 1971; prepared by Division of Nonmetallic Minerals. Oct. 5, 1972. 2 p. 4° (Mineral industry surveys, annual advance summary.) † Mines Bureau, Pittsburgh, PA 15213 I 28.32/2: 971

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- 21937 8557. Offshore petroleum studies, composition of offshore U.S. petroleum in Gulf of Mexico [with list of references]; by L. K. Weaver, H. F. Pierce, and C. J. Jirik, Dallas Mineral Supply Field Office, Dallas, Tex. [1972.] [2]+v+168 p. il. 4° * Paper, \$1.75 (S/N 2404-01205).
- 21938 8560. Impact of blasting agents and slurries on explosives technology [with list of references]; by Richard A. Dick. [1972.] [2]+il+44 p. il. 4° * Paper, 50c. (S/N 2404-01218).
- 21939 Lime in 1971; prepared by Division of Nonmetallic Minerals. Oct. 15, 1972. [2] p. 4° (Mineral industry surveys; annual advance summary.)
† Mines Bureau, Pittsburgh, PA 15213 I 28.28/3: 971

Report of investigations. † Mines Bureau, Pittsburgh, PA 15213 ● Item 637-A I 28.23:(nos.)

- 21940 7565. Delineation of clustered points in 2 dimensions by measuring perimeters of convex hulls [with list of references]; by J. H. Schuenmeyer, C. E. Lienert, and George S. Koch, Jr. [1972.] [2]+iv+69 p. il. 4°
- 21941 7680. Forecasting properties of coal seams in place; by Manuel Gomez and Donald J. Donaven. [1972.] [2]+il+53 p. il. 4°
- 21942 7684. Drillability studies, percussive drilling in the field [with list of references]; by Robert L. Schmidt. [1972.] [2]+il+31 p. il. 4°
- 21943 7685. Computer program for pit slope stability analysis by finite element stress analysis and limiting equilibrium method [with list of references]; by Fun-den Wang, M. C. Sun, and D. M. Ropchan. [1972.] [3]+53 p. il. 4°
- 21944 7686. Dispersion strengthening of internally oxidized iron-aluminum alloys [with list of references]; by Mark I. Copeland and William C. McBee. [1972.] [3]+17 p. il. 4°
- 21945 7687. Comparison of borer, ripper, and conventional mining products in Illinois No. 6 seam coal; by Robert L. Schmidt, W. H. Engelmann, and R. R. Fumanti. [1972.] [2]+il+18 p. il. 4°
- 21946 7688. Oilfields and crude oil characteristics, Cook Inlet Basin, Alaska [with list of references]; by Donald P. Blasko, Welton J. Wenger, and J. C. Morris. [1972.] [3]+44 p. il. 4°
- 21947 7689. Estimating nabeolite and dawsonite content of Colorado oil shale from oil-yeild assay data [with list of references]; by John Ward Smith, Thomas N. Beard, and Paul M. Wade. [1972.] [3]+24 p. il. 4° [Based on work done in cooperation with University of Wyoming.]
- 21948 7692. Percussive drilling with independent rotation [with list of references]; by Harold F. Unger and Robert R. Fumanti. [1972.] [2]+il+21 p. il. 4°
- 21949 7694. Stability constants of metal coordination compounds, complexes of N-ethylenediamine and 2-(ethylthio)-ethylamine [with list of references]; by David J. MacDonald, Alexander May, and E. G. Baglin. [1972.] [3]+19 p. il. 4°
- 21950 7695. Extraction of manganese from Georgia umber ores by sulfuric acid-ferrous sulfate process: 2. Cocurrent extraction and centrifuge tests; by H. P. Le-Van. [1972.] [3]+19 p. il. 4° [Based on work done in cooperation with University of Alabama.]
- 21951 7696. Three-minute gas chromatographic analysis of main constituents of mine atmospheres; by Helen W. Lang and Robert W. Freedman. [1972.] [3]+7 p. il. 4°
- 21952 7697. Methane diffusion parameters for sized coal particles, measuring apparatus and some preliminary results [with list of references]; by R. J. Bielicki, J. H. Perkins, and F. N. Kissell. [1972.] [3]+12 p. il. 4°
- 21953 7698. Optimizing decomposition of carbonyl sulfide in electrical discharge [with list of references]; by Larry A. Haas, Carl F. Anderson, and Samaa E. Khalafalla. [1972.] 13+17 p. il. 4° [Errata, 1 p. 4° was issued also.]
- 21954 7699. Experimental investigations of open-cycle, vortex MHD generator [with bibliography]; by George J. Conroy [and others]. [1972.] [3]+28 p. il. 4°
- 21955 7701. Waste glass as a flux for brick clays [with list of references]; by M. E. Tyrell and Alan H. Goode. [1972.] [3]+9 p. il. 4°
- 21956 7712. Analyses of tippie and delivered samples of coal collected during fiscal year 1972 [with bibliography]; by John B. Janus and B. S. Shirley. [1973.] [3]+17 p. 4°
- 21957 7713. Testing of coal-cutter materials for incendivity and radiance of sparks [with list of references]; by R. Blickensderfer [and others]. [1972.] [3]+17 p. il. 4°
- 21958 Stone in 1971; prepared in Division of Nonmetallic Minerals. Oct. 13, 1972. 8 p. 4° (Mineral industry surveys; annual advance summary.) † Mines Bureau, Pittsburgh, PA 15213 I 28.118: 971

Technical progress reports. † Mines Bureau, Pittsburgh, PA 15213 ● Item 637-A I 28.26/6:(nos.)

- 21959 57. Improving nickel extraction from oxide nickel ores; by Parkman T. Brooks and George M. Potter. Sept. 1972. [3]+4 p. 4° (Processing Nickel Ore Program, Salt Lake City Metallurgy Research Center, Salt Lake, Utah.)

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APRIL 1973

- 21960 59. Preparing magnetic fluids by peptizing method [with list of references]; by G. W. Reimers and S. E. Khalafalla. Sept. 1972. [3]+13 p. il. 4° (Innovative Processes in Extractive Metallurgy Program, Twin Cities, Metallurgy Research Center, Minneapolis, Minn.)
- 21961 60. Solvents and explosives to recover heavy oil; by Larman J. Heath, F. Sam Johnson, and J. S. Miller. Sept. 1972. [3]+11 p. il. 4° (Petroleum Research Program, Bartlesville Energy Research Center, Bartlesville, Okla.)
- 21962 61. Detection of organic compounds in respiratory coal dust by high-resolution mass spectrometry [with list of references]; by J. L. Shultz, R. A. Friedel, and A. G. Sharkey, Jr. Oct. 1972. [3]+17 p. il. 4° (Respirable Dust Research Program, Pittsburgh Energy Research Center, Pittsburgh, Pa.)
- 21963 62. Field study of viscous oil production by solvent stimulation, Wilmington, Calif. [with list of references]; by H. J. Lechtenberg [and others]. Nov. 1972. [3]+12 p. il. 4° (Petroleum Technology Program.)

MISSOURI BASIN INTER-AGENCY COMMITTEE

NOTE.—The Missouri Basin Inter-Agency Committee was absorbed by the Missouri River Basin Commission on March 22, 1972. Inquiries regarding the publications of Inter-Agency Committee should be addressed to Mr. John Neuberger, Chairman, Missouri River Basin Commission, Suite 403, 10054 Regency Circle, Omaha, NB 68114.

- 21964 Final report, progress, fiscal year 1972, programming fiscal years 1972 and 1973. June 1972. cover title, [5]+189+[2] p. il. 4° † Y 3.M 69: 1/972
- 21965 Minutes of 168th meeting, Rapid City, S. Dak., Mar. 22-23, 1972; [prepared by William B. Patterson]. [1972.] [74] p. 4° † Y 3.M 69: 2M 66/972

MOTOR CARRIER SAFETY BUREAU, Transportation Dept. Washington, DC 20591

- 21966 Bureau of Motor Carrier Safety. [1972.] 14 p. il. oblong 8° † ● Item 689-A-2 TD 2.302: M 85
- 21967 Physical condition report of commercial drivers involved in accidents for year 1970. [1972.] [3]+15 p. 4° † TD 2.302: D 83

NARCOTICS AND DANGEROUS DRUGS BUREAU, Justice Dept. Washington, DC 20530

- 21968 BNDD compliance investigator. [1972.] cover title, [12] p. il., 3 cards in pocket. narrow 8° [Text on p. 2 and 3 of cover.]† ● Item 967 J 24.2: C 73

BNDD personnel management series.

- 21969 2. Discipline is not a dirty word; by D. Keith Baker. Aug. 1972. 28 p. il. † ● Item 968-E J 24.16: 2

NATIONAL ADVISORY COMMITTEE ON OCEANS AND ATMOSPHERE, Washington, DC 20230

NOTE.—The Committee was established by P.L. 92-125, approved on August 16, 1971.

- 21970 Report to President and Congress, 1st annual report, June 30, 1972. [1972.] vii+44 p. [Accompanied by Comments and recommendations of Secretary of Commerce, Peter G. Peterson, Sept. 27, 1972. [1]+10 p.] * Paper, 40c. ● Item 1070-J Y 3.Oc 2: 1/972

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION Washington, DC 20546

- 21971 Mariner 9 photographs of Mars; [posters]. [1972.] 16 lithographs, each 11 x 8.5 [Issued in envelope for mailing.] * Paper, \$1.25 per set (S/N 3300-0445). NAS 1.43: M 33

NASA contractor report CR-(series). ♦ Paper, each, \$3.00. NAS 1.26: (nos.)

- 21972 1902. Attitude referenced radiometer study: pt. 2. Primary calibration system [with list of references]; by William R. Williamson and Allen A. Otte. Dec. 1971. ix+123 p. il. 4° [Prepared by Honeywell, Inc., Minneapolis, Minn.]

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GOVERNMENT PUBLICATIONS

NASA contractor report CR-(series)—Continued

- 21973 2129. Effects of simulated artificial gravity on human performance [with bibliographies]; by James A. Green and James L. Peacock. Nov. 1972. cover title, xlii+165 p. il. 4°. [Prepared by North American Rockwell Corporation, Space Division, Downey, Calif.]
- 21974 2135. Flight tests of rotating cylinder flap on North American Rockwell YOY-10, aircraft [with list of references]; by D. R. Cichy, J. W. Harris, and J. K. MacKay. Nov. 1972. cover title, [i]+165 p. il. 4°. [Prepared by North American Rockwell Corporation, Columbus Aircraft Division, Columbus, Ohio.]
- 21975 2146. Effect of vertical active vibration isolation on tracking performance and on ride qualities [with list of references]; by Frank P. DiMasi, Rush E. Allen, and Peter C. Calcaterra. Nov. 1972. cover title, iii+77 p. il. 4°. [Prepared by Barry Wright Corporation, Watertown, Mass.]
- 21976 2147. Analysis of variable property turbulent boundary layers by means of modified compressibility transformation [with list of references]; by C. Economos and J. Bocco. Nov. 1972. cover title, v+77 p. il. 4°. [Prepared by General Applied Science Laboratories, Inc., Westbury, N.Y.]

NASA EP (series). • Item 830-G

NAS 1.19: (nos.)

- 21977 96. Space shuttle, [June 1972.] 8 p. il. 4°. ([Office of Public Affairs.]) [Illustrations are colored paintings by Robert McCall.] * Paper, 40c. (S/N 3300-0459).
- 21978 101. On the moon with Apollo 17, guidebook to Taurus-Littrow [with bibliography]; by Gene Simmons. Dec. 1972. viii+111 p. il. 4°. * Paper, \$1.00 (S/N 3300-00470). L.C. card 72-603557
- 21979 106. Information for teachers (including classroom activities), Skylab student project. [Nov. 1972.] cover title, ii+40 p. il. 4°. * Paper, 75c.

NASA SP (series).

NAS 1.21: (nos.)

- 21980 194. Liquid propellant rocket combustion instability [with list of references]; David T. Harje and Frederick H. Reardon, editors. 1972. xxiii+637 p. il. 4°. (Scientific and Technical Information Office.) * Paper, \$5.50 (S/N 3300-0450). • Item 830-I L.C. card 70-170324
- 21981 278. Interplanetary Pioneers: v. 1. Summary [with bibliography]; by William R. Corliss. 1972. vi+130 p. il. (Scientific and Technical Information Office.) * Paper, \$1.25 (S/N 3300-0447). • Item 830-I L.C. card 74-176234
- 21982 313. Space for mankind's benefit, proceedings of space congress held Nov. 15-19, 1971, Huntsville, Ala., sponsored by National Aeronautics and Space Administration and Huntsville Association of Technical Societies [articles with lists of references]; edited by Jesco von Puttkamer and Thomas J. McCullough. 1972. vi+479 p. il. 4°. (Scientific and Technical Information Office.) [Some illustrations are colored.] * Paper, \$4.50. • Item 830-I L.C. card 72-600228
- 21983 3006. Bionautics data book [with lists of references; by] James F. Parker, Jr., Vita R. West, managing editors. 2d edition. 1973. viii+930 p. il. (Scientific and Technical Information Office.) [Prepared by Bio Technology, Inc.] * Paper, \$7.50 (S/N 3300-00474). • Item 830-I L.C. card 72-600293
- 21984 7037(22). Aeronautical engineering, special bibliography with indexes, supp. 22. Sept. 1972. [111] p. 4°. (Scientific and Technical unclassified articles that were introduced into NASA scientific and technical information system and announced in Aug. 1972 in Scientific and Technical Aerospace Reports (STAR) and International Aerospace Abstracts (IAA).) • Paper, \$3.00.

NASA technical memorandum TM (series).

- 21985 X-2641. Annotated bibliography of pyrrone and BBB publications; Harold D. Burks. Dec. 1972. cover title, iii+64 p. il. 4°. • Paper, \$3.00. NAS 1.15: X-2641

NASA technical note TN (series).

NAS 1.14: D-(nos.)

- 21986 D-6217. Simple integral method for calculation of real-gas turbulent boundary layers with variable edge entropy, by Charles B. Johnson and Lillian R. Boney, June 1971, errata. Oct. 1972. 1 p. 4°. †
- 21987 D-6971. Tests of mixed compression axisymmetric inlet with large transonic mass flow at Mach numbers 0.6 to 2.65 [with list of references]; by Donald B. Smeltzer and Norman E. Sorensen. Dec. 1972. cover title, v+183 p. il. 4°. • Paper, \$3.00.
- 21988 D-7122. Electron paramagnetic resonance studies of viscous nematic liquid crystal, evidence counter to second-order phase change [with list of references]; by William E. Shutt [and others]. Dec. 1972. cover title, [i]+10 p. il. 4°. • Paper, \$3.00.

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APRIL 1978

- 21989 D-7124. Electron paramagnetic resonance study of alignment induced by magnetic fields in 2 smectic-A liquid crystals not exhibiting nematic phases [with list of references]; by George C. Fryburg and Edward Gelerinter. Dec. 1972. cover title, [1]+7 p. il. 4° Φ Paper, \$3.00.

NASA technical report R (series).

- 21990 395. Study of beryllium and beryllium-lithium complexes in single-crystal silicon [with list of references]; by Roger K. Crouch, James B. Robertson, and T. E. Gilmer, jr., Dec. 1972. cover title, [1]+31 p. il. 4° Φ Paper, \$3.00.
NAS 1.12: 395

- 21991 Scientific and technical aerospace reports, semiannual indexes, v. 10, no. 1-12, Jan.-June 1972. June 30, 1972. cover title, [875] p. 4° * Paper, \$4.00 • Item 830-K
NAS 1.9/5: 10/1-12

NOTE.—Also sold on subscription. * Paper, \$37.50 a yr.; \$9.50 additional for foreign mailing.

- 21992 Space benefits and older citizens. [1972.] [8] p. il. narrow 8° † • Item 830-C
NAS 1.2: Sp 1/23

- 21993 Space benefits, safety. [1972.] [8] p. il. narrow 8° † NAS 1.2: Sp 1/24

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

National Archives microfilm publication: Pamphlet describing M. (National Archives.) †
GS 4.20: (nos.)

- 21994 8. Journal and report of James Leander Cathcart and James Hutton, agents appointed by Secretary of Navy to survey timber resources between Mermentau and Mobile Rivers, Nov. 1817-May 1819, with appendix consisting of copies of letters received and sent; [prepared by Charles Zaid]. 1972. cover title, 2 p.
- 21995 86. Journal of Charles Mason during survey of Mason and Dixon Line, Nov. 15, 1763-Sept. 11, 1768; [prepared by Peter Laugesen]. 1972. cover title, 2 p.
- 21996 363. Records of Department of State relating to political relations between Turkey and other States, 1910-29; [prepared by Ralph E. Huss]. 1972. cover title, 8 p.
- 21997 365. Records of Department of State relating to political relations between United States and Turkey, 1910-29; [prepared by Ralph E. Huss]. 1972. cover title, 6 p.
- 21998 470. State Department territorial papers, territory northwest of River Ohio, 1781-1801; [prepared by Peter Laugesen]. 1972. cover title, 2 p.
- 21999 833. Records of Montana Superintendency of Indian Affairs, 1867-73; [prepared by Jeanne Schauble.] 1972. cover title, 7 p.
- 22000 Select audiovisual records: Contemporary African art from Harmon Foundation, still pictures. [1972.] [2]+14 p. narrow 8° ([72-20.] National Archives.) [Illustrations on p. 1 of cover.] †
GS 4.2: Af 8
- 22001 — Pictures of the Civil War. [1972.] [2]+17 p. narrow 8° ([73-8.] National Archives Trust Fund Board.) [Illustration on p. 1 of cover.] †
GS 4.2: C 49/2

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

Handbook.

- 22002 44. [Specifications, tolerances, and other technical requirements for commercial weighing and measuring devices as adopted by National Conference on Weights and Measures, 4th edition 1971, 1972 replacement sheets. [1972.] [105] p. 12° [Issued in looseleaf form.] † C 13.11: 44/5/rev. pages 972

Monograph.

- 22003 129. Development of Loran-C navigation and timing [with bibliographies]; by Gifford Hefey, Oct. 1972. xii+144+[1] p. il. 4° (Institute for Basic Standards.) * Cloth, \$4.50 (S/N 0303-01060). • Item 247-A
C 13.44: 129
- 22004 7 ways to reduce fuel consumption in household heating, through energy conservation. [Revised Dec. 1972.] [1972.] [9] p. il. 4° [Prepared in cooperation with Ad Hoc Committee on Fuel Conservation, Office of Special Assistant to the President for Consumer Affairs, and Institute for Applied Technology, Center for Building Technology.] * Paper, 35c. (S/N 0303-01086). • Item 244
C 13.2: F 95/972

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GOVERNMENT PUBLICATIONS

- Special publications. ● Item 247 O 13.10:(nos.)
- 22005 260-44. Standard reference materials: Preparation and use of superconductive fixed point devices, SRM 767 [with list of references; by] J. F. Schooley, R. J. Soulen, jr., and G. A. Evans, jr. Dec. 1972. vii+25+[1] p. il. 4° * Paper, 76c.
L.C. card 72-600339
- 22006 329. Index of U.S. voluntary engineering standards, supplement 1, covering those standards, specifications, text methods, and recommended practices issued by national standardization organizations in United States; William J. Slatery, editor. Dec. 1972. xvi+440+[1] p. 4° (Office of Engineering and Information Processing Standards.) * Cloth, \$8.25 (S/N 0303-01037).
L.C. card 77-607150
- 22007 365. Metric conversion card, Revised Nov. 1972. [1972.] [2] p. 48° [Wallet card.] * Plastic, 10c.

- Technical notes. ● Item 249-A C 13.46:(nos.)
- 22008 621. Liquid-vapor equilibrium in binary systems of He⁴ and He³ with D₂ and nH₂ [with list of references; by] M. J. Hiza. July 1972. [1]+iv+N61+[1] p. il. 4° (Cryogenics Division, Institute for Basic Standards.) [Corrected title page, issued also.] * Paper, 65c.
- 22009 626. Generation of accurate and uniform time scale with calibrations and prediction [with list of references; by] Kazuyuki Yoshimura. Nov. 1972. iv+60 p. il. 4° * Paper, 60c.
- 22010 627. Computation of spectral data for Josephson junction circuit [with list of references]; by E. G. Johnson, jr., D. G. McDonald. Nov. 1972. iii+56 p. il. 4° * Paper, 60c.
- 22011 629. Superconducting quantum interference devices, operational guide for rf-biased systems [with list of references]; by D. B. Sullivan. Nov. 1972. iv+40+[1] p. il. 4° * Paper, 50c.
- 22012 630. Developments in cryoelectronics [with list of references; by] R. A. Kamper, D. B. Sullivan. Nov. 1972. iv+68+[1] p. il. 4° * Paper, 70c.
- 22013 726. Testing and fabrication of wire-bond electrical connections, comprehensive survey, by Harry A. Schafft, Erratum. [1972.] 1 p. †
- 22014 743. Methods of measurement for semiconductor materials, process control, and devices, quarterly report Apr. 1-June 30, 1972 [with lists of references]; W. Murray Bullis, editor. Dec. 1972. vi+50+[1] p. il. 4° [Jointly supported by National Bureau of Standards, Defense Nuclear Agency, Navy Strategic Systems Project Office, Navy Electronic Systems Command, Air Force Weapons Laboratory, Air Force Cambridge Research Laboratories, Advanced Research Projects Agency, Atomic Energy Commission and National Aeronautics and Space Administration.] * Paper, \$1.00.
- 22015 749. Flammable fabrics program 1971, report of activities under Flammable fabrics act of 1971 [with list of references]. Dec. 1972. xi+80 p. il. 4° * Paper, \$1.50.
- 22016 750. Matches and lighters in flammable fabric incidents, magnitude of problem; [by] James A. Slater, Benjamin Buchbinder, and Henry Tovey. Dec. 1972. iv+22+[1] p. 4° * Paper, 55c.
- 22017 757. Smoke density chamber method for evaluating potential smoke generation of building materials [with list of references; by] T. G. Lee. Jan. 1973. [2]+18 p. il. 4° * Paper, 45c.

NATIONAL BUSINESS COUNCIL FOR CONSUMER AFFAIRS, Commerce Department Building, Washington, DC 20230

NOTE.—Established by Executive order 11614, Aug. 5, 1971.

- 22018 Responsive approaches to consumer complaints and remedies. Oct. 1972. iv+16 p. 4° [Report of Sub-Council on Complaints and Remedies.] * Paper, 70c. ● Item 1070-I Y 3.N 21/27: 2C 73
- 22019 Tire inflation and consumer, program to improve safety and economy. Sept. 1972. iv+12 p. 4° [Report of Sub-Council on Product Safety of National Business Council for Consumer Affairs.] * Paper, 40c. ● Item 1070-I Y 3.N 21/27: 2T 51

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

- 22020 Animal histology procedures of Pathological Technology Section of National Cancer Institute [with list of references books]. [1972.] viii+185 p. il. ([DHEW publication (NIH) 72-275.]) * Paper, \$1.50 (S/N 1742-0043). ● Item 507-G-6 HE 20.3158: An 5
- 22021 Report of chemotherapy program, NOI, 1972, v. 2: Summary report. Mar. 1972. [385] p. il. 4° † ● Item 507-G-2 HE 20.3152: C 42/972/v.2

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

- 22022 Health service use, national trends and variations [1953-71], with list of references; [by] Ronald Andersen [and others]. Oct. 1972. iii+57 p. (DHEW publication (HSM) 73-3004.) [Prepared in cooperation with Center for Health Administration Studies, University of Chicago.] †
● Item 491-B-1 HE 20.2102: Us 2/953-971

Reprint series.

- 22023 Use of medicine, review of prescribed and nonprescribed medicine use [with list of references; by David L. Rabin]. Nov. 1972. cover title, p. 668-699, narrow 8° ([DHEW publication (HSM) 73-3012.1]) [Reprinted from Medical Care, v. 29, no. 6, June 1972. Includes copyright material.] † ● Item 491-B-4
HE 20.2112: M 46

- 22024 Summary of grants and contracts, active on June 30, 1971, administered by National Center for Health Services Research and Development; prepared by Office of Inter-Organization Relations. Dec. 1971. cover title, vii+285 pages and leaves, 4° † Item 491-B-H HE 20.2116: 971

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

- 22025 Current listing and topical index to Vital and health statistics series 1962-71. Oct. 1972. [2]+18 p. 4° (DHEW publication (HSM) 73-1301.)
* Paper, 45c. ● Item 508
L.C. card 72-600287 HE 20.2202: V 83/962-71

Vital and health statistics: Series 10, Data from National Health Survey.

- 22026 78. Use of special aids, United States, 1969; [by Charles S. Wilder]. Dec. 1972. iv+23 p. il. 4° (DHEW publication (HSM) 73-1504; [Division of Health Interview Statistics].) [Prepared in cooperation with Bureau of Census.] * Paper, 55c. ● Item 500-E
L.C. card 72-600209 HE 20.2210: 10/78

— Series 11, Data from National Health Survey. ● Item 500-E

HE 20.2210: 11/(nos.)

- 22027 117. Periodontal disease and oral hygiene among children, United States [with list of references; by James E. Kelly and Marcus J. Sanchez]. iv+28 p. il. 4° (DHEW publication 72-1060; [Division of Health Examination Statistics].) * Paper, 35c.
L.C. card 72-190009

- 22028 120. Skinfold thickness of children 6-11 years, United States [with list of references; by Francis E. Johnson, Peter V. V. Hamill, and Stanley Lemeshow]. Oct. 1972. iv+60 p. il. 4° (DHEW publication (HSM) 73-1602; [Division of Health Examination Statistics].) [Prepared in cooperation with Bureau of Census.] * Paper, \$1.00.
L.C. card 74-190012

- 22029 121. Relationships among parent ratings of behavioral characteristics of children, United States [with list of references; by James T. Baird, Jr., and Jean Roberts]. Oct. 1972. iv+49 p. il. 4° (DHEW publication (HSM) 73-1603; [Division of Health Examination Statistics].) [Prepared in cooperation with Bureau of Census.] * Paper, \$1.00.
L.C. card 78-190013

- 22030 122. Hearing and related medical findings among children, race, area, and socioeconomic differentials, United States [with lists of references; by Jean Roberts]. Oct. 1972. iv+33 p. il. 4° (DHEW publication (HSM) 73-1604; [Division of Health Examination Statistics].) [Prepared in cooperation with Bureau of Census.] * Paper, 70c.
L.C. card 72-600136

— Series 12, Data from National Health Survey.

- 22031 15. Employees in nursing homes, United States, April-Sept. 1968 [with list of references; by Joan Fedell Van Nostrand]. Oct. 1972. iv+57 p. il. 4° (DHEW publication (HSM) 73-1700; [Division of Health Resources Statistics].) * Paper, \$1.00 ● Item 500-E
L.C. card 72-600138 HE 20.2210: 12/15

— Series 13, Data from National Health Survey.

- 22032 10. Inpatient utilization of short-stay hospitals in each geographic division, United States, 1966-68 [with list of references; by Keith L. Hoffman]. Nov. 1972. iv+45 p. il. 4° (DHEW publication (HSM) 73-1761; [Division of Health Resources Statistics].) [Prepared in cooperation with Bureau of Census.] * Paper, 75c. ● Item 500-E
L.C. card 72-600218 HE 20.2210: 13/10

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GOVERNMENT PUBLICATIONS

- 22033 Vital statistics rates in United States, 1900-40, chaps. 1-4, [with lists of references]. Reprinted [1972]. cover title, 91 p. (DHEW publication (HSM) 73-112.) * Paper, 70c. (S/N 1722-00236). ● Item 508
HE 20.2202: V 83/2/900-40/chap.1-4

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

- 22034 Concurrent receipt of public assistance money payments and old-age, survivors, and disability insurance cash benefits by persons aged 65 or over, 1951-72 and Feb. 1972. Aug. 1, 1972. [7] p. il. 4° (DHEW publication (SRS) 73-03351, NCSS report C-2 (2/72).) [Errata, 1 p. 4°, was issued also.] † HE 17.636: 951-72
- 22035 Findings of 1970 AB study: pt. 1, Demographic and program characteristics. Sept. 1972. [1]+11+[65] p. il. 4° (DHEW publication (SRS) 73-03903; NCSS report AB-1 (70).) † ● Item 512-D-5
HE 17.639/4: 970/pt.1
- 22036 Finding of 1970 OAA study: pt. 1, Demographic and program characteristics. Sept. 1972. 11+[56] p. il. 4° (DHEW publication no. (SRS) 73-03805; NCSS report OAA-1(70).) [Issued with perforations.] †
HE 17.602: O1 1/970/pt.1
- 22037 Medicaid and other medical care financed from public assistance funds; fiscal year 1971. [1972.] cover title, 6+[9] p. il. 4° (DHEW publication (SRS) 73-03154; NCSS report B-5 (FY 71).) [Issued with perforations.] †
HE 17.620: 971

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

- 22038 Bibliography of drug abuse literature, 1971 [prepared by Susan B. Lachter, Eileen Marchak, and Angela L. Theophile. 1972. v+39 p. 4° ([NCDAI publication 4.]) * Paper, 50c. (S/N 1724-0241). ● Item 831-C-2
L.C. card 73-600628 PrEx 13.10: D 84/2/971
- 22039 Resource book for drug abuse education [articles, with bibliographies; edited by Muriel Nellis]. 2d edition. [1972.] * Paper, \$1.00 (S/N 1724-0232). ● Item 831-C-5
PrEx 13.2: D 84/2

NATIONAL CREDIT UNION ADMINISTRATION 1325 K St. NW., Washington, DC 20256

- 22040 National Credit Union Administration rules and regulations: Change 6. Dec. 14, 1972. [11] p. 4° (Office of the Administrator.) [Issued in loose-leaf form; GO/BHR/LMF; lmf.] * Paper, \$5.50 (including basic manual and changes for an indefinite period); \$1.50 additional for foreign mailing. ● Item 527
NCU 1.6: R 86/ch.6

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

- 22041 National Endowment for the Arts and National Council on the Arts, annual report, fiscal year 1972. [Dec. 1972.] [5]+121 p. 4° * Paper, \$2.25.
● Item 831-B-2 NF 2.1: 972

NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION Transportation Dept., Washington, DC 20591

- Alcohol and alcohol safety, curriculum manual for elementary level; [by] Peter Finn, Judith Platt. Sept. 1972. [Prepared for National Highway Traffic Safety Administration and National Institute on Alcohol Abuse and Alcoholism under contract HSM-42-71-77 by Abt Associates, Inc., Human Development Division, Cambridge, Mass.] ● Item 982-D-3
TD 8.8: A1 1/4/v. (nos.)

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- 22042 v. 1. [Basic volume, with bibliographies.] vii+276 p. 4° (DOT-HS 800-707.)
* Paper, \$3.50.
- 22043 v. 2. Teacher's activities guide. [303] p. il. 4° (DOT HS 800-708.) [Issued in looseleaf form with marginal tabs showing chapter title.] * Paper, \$5.25.
- Alcohol and alcohol safety, curriculum manual for junior high level; [by] Peter Finn, Judith Platt. Sept. 1972. [Prepared for National Highway Traffic Safety Administration and National Institute on Alcohol Abuse and Alcoholism under contract HSM-42-71-77 by Abt Associates, Inc., Human Development Division, Cambridge, Mass.] ● Item 983-D-3
TD 8.8: A1 1/5/v. (nos.)
- 22044 v. 1. [Basic volume, with bibliographies.] viii+307 p. 4° (DOT HS 800-709.)
* Paper, \$3.75.
- 22045 v. 2. Teacher's activities guide. [618] p. il. 4° (DOT HS 800 710.) [Issued in looseleaf form with marginal tabs showing chapter titles.] * Paper, \$8.00.
- Alcohol and alcohol safety, curriculum manual for senior high level; [by] Peter Finn, Judith Platt. Sept. 1972. [Prepared for National Highway Traffic Safety Administration and National Institute on Alcohol Abuse and Alcoholism under contract HSM-42-71-77 by Abt Associates, Inc., Human Development Division, Cambridge, Mass.] ● Item 983-D-3
TD 8.8: A1 1/6/v. (nos.)
- 22046 v. 1. [Basic vol., with bibliographies.] xii+333 p. 4° (DOT HS 800-705.)
* Paper, \$3.75.
- 22047 v. 2. Teacher's activities guide. [732] p. il. 4° (DOT HS 800 706.) [Issued in looseleaf form with marginal tabs showing chapter titles.] * Paper, \$8.75.
- 22048 Ambulance design criteria [with list of references]; prepared by Committee on Ambulance Design Criteria in cooperation with National Research Council. [First edition.] May 1971; revised, Jan. 1973. [1973.] vii+42+[2] p. [Last 2 pages are left blank to be used for notes.] * Paper, 50c. ● Item 982-D-1
TD 8.2: Am 1
- Police traffic services, basic training program [with lists of references; by Allen Hale, John W. Hamilton, and Joseph T. Fucigna]. Oct. 1972. [Issued with perforations.] ● Item 982-D-3 TD 8.8: P 75/v. (nos.)
- 22049 v. 1. Course guide. ix+32+[1]+6 p. 4° (DOT/HS 800-718.) * Paper, 60c. (S/N 5003-00092).
- 22050 v. 2. Instructor's lesson plans. [598] p. 4° (DOT/HS 800-719.) * Paper, \$4.75 (S/N 5003-00093).
- 22051 v. 3. Student study guide. [250] p. il. 4° (DOT/HS 800-720.) * Paper, \$2.25 (S/N 5003-00095).
- 22052 Report on 3d International Technical Conference on experimental safety vehicles, sponsor [and] host, U.S. Department of Transportation, held at Washington, D.C., May 30-June 2, 1972. [1972.] [399] p. il. 4° [Errata, 1 p. 4°, was issued also.] * Paper, \$3.00 (S/N 5003-00084).
● Item 982-D-12 TD 8.16: 972
- 22053 Safety belt instructional booklet; prepared by Betty E. Haughey, Paul A. Alter, Harris H. Shettel. [Sept. 1972.] [1]+1+25 p. il. [Prepared by American Institutes for Research, Chatham Center, Pittsburgh, Pa., contract FH-11-7522.] * Paper, 20c. (S/N 5003-00077). ● Item 982-D-3
TD 8.6: Sa 1
- 22054 Suggestions for increasing use of vehicle restraint systems. [Sept. 1972.] [5]+38 p. * Paper, 45c. ● Item 982-D-3
TD 8.8: R 31
- Traffic laws commentary (series). ● Item 982-D-11 TD 8.5/2: (nos.)
- 22055 v. 1, no. 4. Laws requiring helmets and eye protection for motorcyclists; [by E. Eugene Yaw]. Aug. 1972. cover title, [3]+13 p. 4° ([DOT HS-800 722.1]) [Prepared under contract DOT-HS-107-1-153.] * Paper, 30c.
- 22056 v. 1, no. 6. Laws requiring seat belts; prepared by National Committee on Uniform Traffic Laws and Ordinances (NCUTLO) staff. [1972.] [3]+66 p. 4° [Prepared under contract DOT-HS-107-1-153.] * Paper, \$1.25.

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Traffic laws commentary (series)—Continued

- 22057 v. 1, no. 7. State laws on reexamining drivers; by NCUTLO staff. Nov. 1972. cover title, [2]+46 p. 4° ([DOT HS 800 747.]) [Prepared under contract DOT HS 107-1-153.] * Paper, 75c. (S/N 5003-00105).

NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES, Health, Education, and Welfare Dept. Bethesda, MD 20014

- 22058 Kidney disease and artificial kidneys. [1972.] [16] p. il. oblong 24* (DHEW publication (NIH) 73-376; Information Office.) * Paper, 35c. (S/N 1740-00348). ● Item 507-A-25 HE 20.3302: K 54/972

NATIONAL INSTITUTE OF DENTAL RESEARCH, Health, Education, and Welfare Dept., Bethesda, MD 20014

- 22059 Graduate training programs supported by training grants from National Institute of Dental Research. Revised Sept. 1972. [1972.] 1-1b, 2-27 p. † ● Item 507-0-1 HE 20.3402: G 75/972
- 22060 National caries program, status report, 1972. [1972.] vii+51 p. 4° (DHEW publication (NIH) 73/394.) † ● Item 507-0-1 HE 20.3402: C 19/2/972

NATIONAL INSTITUTE OF EDUCATION, Health, Education, and Welfare Dept., Washington, DC 20202

NOTE.—The National Institute of Education was established by Public law 92-318, approved June 23, 1972.

- 22061 How to use ERIC. [June 1969, revised Aug. 1972.] cover title, 14 p. il. oblong 8° ([DHEW publication (OE) 72-129]; Educational Resources Information Center.) [Class incorrectly given in publication as HE 5.212: 12037-E.] * Paper, 35c. (S/N 1780-0796). ● Item 460-A-12 HE 18.2: Er 4

PREP [Putting research into educational practice] reports. ● Item 461-C HE 18.9: (nos.)

NOTE.—For other numbers in this series, see Education Office.

- 22062 37. Early childhood education [with bibliographies; by] Stanley Chow, Pat Elmore, and Vicki Birtle, Far West Laboratory for Educational Research and Development, Berkeley, Calif. [1972.] [2]+51 p. 4* [Issued with perforations.] * Paper, 60c.
- 22063 38. Developing specifications for low-cost computer system for secondary schools [with selected bibliography]; by George Kleiner. [1972.] iii+65 p. il. 4* ([DHEW publication (NIE) 73-27625.]) [Issued with perforations.] * Paper, \$1.00.

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES, Health, Education, and Welfare Dept., Bethesda, MD 20014

- 22064 Environmental health perspectives, experimental issue 2, edited by Douglas H. K. Lee [and others]. Oct. 1972. iii+128 p. il. 4° (DHEW publication NIH 73-218.) [Text on p. 3 of cover.] † ● Item 507-P-2 HE 20.3559: exp.2

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

- 22065 Pharmacology research associate training program of National Institutes of Health. [1973.] cover title, 1+22 p. ([DHEW publication (NIH) 73-185.]) † ● Item 497-C-1 HE 20.3452: P 49

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

- 22066 Administration in mental health, [winter 1972; edited by Saul Feldman]. [1972.] cover title, 80 p. il. 4° ([DHEW publication (HSM) 73-9050.]) * Paper, \$1.25 (S/N 1724-00269). ● Item 507-B-16 HE 20.2427: 972

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APRIL 1973

- 22067 Alcohol & alcoholism, problems, programs & progress [with list of references.] [Revised 1972.] [1972.] vi+42 p. 4° ([DHEW publication (HSM) 73-9127]; National Institute on Alcohol Abuse and Alcoholism.) * Paper, 50c. (S/N 1724-0240). ● Item 507-B-5 HE 20.2402: A1 1/972
- 22068 Correctional treatment in community settings, report on current research; by Marguerite Q. Warren. [1972.] vii+59 p. (DHEW publication (HMS) 72-9129.) [Prepared for 6th International Congress on Criminology, Madrid, Spain, Sept. 21-27, 1970. Partially supported under contract T 21 MH 12831.] * Paper, 35c. (S/N 1724-0247). ● Item 507-B-5 L.C. card 73-600640 HE 20.2402: C 73/6
- Crime and delinquency issues, monograph series. (Center for Studies of Crime and Delinquency.)
- 22069 Legal sanctioning and social control [with list of references]; by Austin T. Turk. [1972.] v+82 p. ([DHEW publication (HSM) 72-9130.1] * Paper, 45c. (S/N 1724-0245). ● Item 507-B-13 L.C. card 73-600618 HE 20.2420/2: L 52
- 22070 Facts about autism. [1972.] 10 p. il. narrow 8° ([DHEW publication (HSM) 72-9150; National Clearinghouse on Mental Health Information.] [Series of fact sheets on mental health matters.] * Paper, \$6.75 per 100; single copy, 10c. (S/N 1724-0259) ● Item 507-B-5 HE 20.2402: Au 8
- 22071 Facts about college mental health [with bibliography]. [1972.] 13 p. narrow 8° ([DHEW publication (HSM) 72-9154.1] * Paper, \$10.00 per 100; single copy, 15c. (S/N 1724-0257). ● Item 507-B-5 HE 20.2402: C 68
- 22072 Facts about electroshock therapy. [1972.] 6 p. il. narrow 8° ([DHEW publication (HSM) 72-9152; National Clearinghouse for Mental Health Information.]) [Series of fact sheets on mental health matters.] * Paper, \$5.50 per 100; single copy, 10c. (S/N 1724-0258). ● Item 507-B-5 HE 20.2402: E1 2
- 22073 Facts about mental health of children. [1972.] 13 p. narrow 8° ([DHEW publications (HSM) 72-9147; National Clearinghouse for Mental Health Information.]) [Series of fact sheets on mental health matters.] * Paper, \$6.75 per 100; single copy, 10c. (S/N 1724-0255). ● Item 507-B-5 HE 20.2402: C 43/8
- 22074 Learning about depressive illnesses. [1972.] 15 p. (DHEW publication (HSM) 72-9110.) * Paper, 10c. (S/N 1724-0235). ● Item 507-B-5 HE 20.2402: D 44/2
- 22075 Mental health and learning: when community mental health centers and school systems collaborate [with list of selected references; edited by Robert Quinn and Lynn Magnuson Wegner]. 1972. vii+68 p. il. 4° ([Publication (HSM) 72-9146]; Division of Mental Health Service Programs.) [Joint publication with Office of Education, Office for Nutrition and Health Programs.] * Paper, \$1.25 (S/N 1724-0250). ● Item 507-B-5 HE 20.2402: L 47
- Mental health statistics: Series A [Mental health facilities report]. ([National Clearinghouse for Mental Health Information.])
- 22076 11. Psychiatric services, in general hospitals [with list of references]. [1972.] iv+75 p. 4° ([DHEW publication (HMS) 72-9139; Survey and Reports Section, Biometry Branch, Office of Program Planning and Evaluation.]) * Paper, 70c. (S/N 1724-0234). ● Item 491-A L.C. card 73-600617 HE 20.2415: A/11
- 22077 National Institute of Mental Health Task Force on Homosexuality: final report and background papers [with lists of references]; edited by John M. Liningood. [1972.] vii+79 p. 4° (Office of Program Planning and Evaluation; [DHEW publication (HMS) 72-9116.]) * Paper, 75c. (S/N 1724-0244). ● Item 507-B-5 L.C. card 73-600955 HE 20.2402: H 75/2

GOVERNMENT PUBLICATIONS

- 22078 Proceedings: on alcoholism emergency care services [with lists of selected references]; edited by George G. Pavloff. Mar. 24, 1972. v+98 p. il. 4° (National Institute on Alcohol Abuse and Alcoholism; [DHEW publication 73-9024].) * Paper, \$1.25 ● Item 507-B-5
L.C. card 73-600888 HE 20.2402: A1 1/10
- 22079 Social seminar handbook, education, drugs, and society. [1972.] [2]+65 p. il. 4° ([DHEW publication (HSM) 72-9112.]) [Prepared in cooperation with Education Office. Issued with perforations.] † ● Item 507-B-10 HE 20.2408/2: Ed 8

NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE, Health, Education, and Welfare Dept. Bethesda, MD 20014

- 22080 Huntington's disease (Huntington's chorea), hope through research. [Revised 1972.] [1972.] 25+[31 p. il. narrow 8° (DHEW publication (NIH) 73-49.) * Paper, \$22.50 per 100; single copies 30c. (S/N 1749-0031). ● Item 507-L-2 HE 20.3502: H 92/972

NINDS bibliography series.

- 22081 1. Brain death, bibliography with key-word and author indexes; edited by Andrew J. K. Smith and J. Kiffin Penry. June 1972. [5]+30 p. 4° (Applied Neurologic Research Branch, Collaborative and Field Research; DHEW publication (NIH) 73-347.) † ● Item 507-L-6 HE 20.3513/3: 1
L.C. card 72-602933
- 22082 SSPE, subacute sclerosing panencephalities, fact sheet. [1972.] 6 p. oblong 48° ([DHEW publication (NIH) 73-342.]) * Paper, \$5.00 per 100; single copy, 10c. ● Item 507-L-2 HE 20.3502: Su 1

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

- 22083 Clinical center of National Institutes of Health, [1972.] cover title, [12] p. il. oblong 8° ([Public Health Service publication (NIH) 72-214.]) * Paper, 50c. (S/N 1741-0043). ● Item 507 HE 20.3002: C 61/3/972
- 22084 Grants for training projects, policy statement. Dec. 1, 1972. ix+40 p. (DHEW publication (NIH) 73-9.) † ● Item 507 HE 20.302: T 68/3
- 22085 Training programs of institutes of National Institutes of Health, fiscal year 1974, v. 1, Analysis of general policy issues [with lists of references]. Oct. 1972. xv+160 p. 4° † ● Item 507 HE 20.3002: T 68/4/974/v.1

NATIONAL LABOR RELATIONS BOARD Washington, DC 20570

- 22086 Little Collyer grows up, remarks of Edward B. Miller, Chairman, National Labor Relations Board, before Industrial Relations Research Association, Oakland, Calif., Sept. 12, 1972. 1972. 18 p. 4° (R-1255.) † LR 1.7: M 61/7

NATIONAL MARINE FISHERIES SERVICE, Commerce Dept. Washington, DC 20230

- Current fisheries statistics (series). † ● Item 610-A C 55.309/2: (nos.)
- 22087 5901. Canned fishery products, annual summary 1971. [Revised.] Dec. 12, 1972. 14 p. 4°
- 22088 5908. Packaged fishery products, annual summary 1971. [Revised.] Dec. 12, 1972. 4 p. 4°
- 22089 5912. Rhode Island landings, annual summary 1971. Dec. 6, 1972. 10 p. 4° [Prepared in cooperation with Rhode Island Department of Natural Resources, Division of Conservation, Providence, R.I.]

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NATIONAL MUSEUM OF HISTORY AND TECHNOLOGY,
Smithsonian Institution, Washington, DC 20560

Philatelic dedicatory lecture series.

- 22090 Brief outline of origins of glassmaker, silversmith, wigmaker and batter in American colonies; by Leonard Everett Fisher. 1972. [7] p. il. narrow 8° [Title on cover: Colonial craftsmen, age of pride, program. Text on p. 2 of cover.] † ● Item 921-B SI 3.12: C 71

NATIONAL OCEAN SURVEY, Commerce Dept.
Washington, DC 20235

- 22091 Great Lakes pilot, Supplement 2, May 1972. corrections and additions to 1972 Great Lakes pilot. May 1972. [2] p.+18 leaves [Bearings are true and distances are expressed in statute miles. Supplement information given upon charts published by Lake Survey Center.] † Lake Survey Center, 630 Federal Bldg., Detroit, MI 48226 C 55.420: 972/supp.1
- 22092 Nautical chart catalog 1, United States, Atlantic and Gulf Coasts including Puerto Rico and Virgin Islands, charts, tide tables, coast pilots, current tables, tidal current charts. Dec. 1972. [2] p. il. oblong f° folded into 8° size [Insert, Price changes for charts in series, 2 p., issued also.] † C 55.418: 1/972
- 22093 United States coast pilot 2, Atlantic Coast, Cape Cod to Sandy Hook. 8th edition, 1973. 1973. v+249+18+15 p. il. 4 [Corrected through Notices to mariners issued by Coast Guard District Commanders, Oct. 18, 1972, weekly Notice to mariners published by Defense Mapping Agency Hydrographic Center, no. 48, Nov. 25, 1972.] † Paper, \$2.00. ● Item 203 C 55.422: 2/8

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION,
Commerce Dept., Washington, DC 20235

NOAA technical reports. (Environmental Research Laboratories, Boulder, Colo.) ● Item 208-B-7 C 55.13: ERL(nos.)

- 22094 ERL 240-POL 12. Wind recorder, current meter and thermistor chain measurements in northeast Pacific, Aug./Sept. 1971 [with list of references; by] David Halpern. June 1972. iii+37 p. il. 4° ([Pacific Oceanographic Laboratories.]) * Paper, 76c.
- 22095 ERL 244-SEL 23. Introduction to solar terrestrial activity for geomagnetic studies: pt. 2, Earth's main field [with bibliography; by] W. H. Campbell. June 1972. iv+15 p. il. 4° ([Space Environment Laboratory.]) * Paper, 40c.
- 22096 ERL 245-ESL 22. APEEL array, site study [with list of references; by] B. J. Morrill. Feb. 1972 iv+19 p. il. 4° ([Earth Sciences Laboratories.]) * Paper, 60c.
- 22097 ERL 249-ESL 24. High-gain, long-period seismograph station installation report, Albuquerque, N. Mex. [with bibliography; by] John P. Hoffman. Dec. 1972. iv+47 p. il. 4° * Paper, 76c.

— (National Environmental Satellite Service.) ● Item 208-B-7 C 55.13: NESS(nos.)

- 22098 NESS 61. Measurement of atmospheric transmittance from sun and sky with infrared vertical sounder [with list of references; by] W. L. Smith and H. B. Howell. Sept. 1972. iii+16 p. il. 4° * Paper, 30c.
- 22099 NESS 62. Proposed calibration target for visible channel satellite radiometer [with list of references; by] K. L. Coulson, H. Jacobowitz. Oct. 1972. iv+27 p. il. 4° * Paper, 35c.

— (National Marine Fisheries Service.) C 55.13: (letters-nos.)

- 22100 NMFS CIRC-365. Processing EASTROPAC STD data and construction of vertical temperature and salinity sections by computer [with list of literature cited; by] Forrest R. Miller and Kenneth A. Bliss. Feb. 1972. iv+17 p. il. 4° * Paper, 30c. ● Item 208-B-7 (Special offer)
- 22101 NMFS CIRC-367. Engineering economic model for fish protein concentration processes [with list of references; by] K. K. Almenas [and others]. Oct. 1972. iii+175 p. 4° * Paper, \$1.50. ● Item 208-B-7
- 22102 NMFS SSRF-645. Traveling screen for removal of debris from rivers [with list of literature cited; by] Daniel W. Bates, Erenst W. Murphy and Martin G. Beam. Oct. 1971. iii+6 p. il. 4° * Paper, 25c. (S/N 0320-0032). ● Item 208-B-7 (Special offer)

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GOVERNMENT PUBLICATIONS

- NOAA technical reports. (National Marine Fisheries Service.)—Cont.
- 22103 NMFS SSRF-649. Distribution of forage of skipjack tuna (*Euthynnus pelamis*) in eastern tropical Pacific [with list of literature cited; by] Maurice Blackburn and R. Michael Laurs. Jan. 1972. iii+16 p. il. 4° * Paper, 30c. (S/N 0320-0036). ● Item 208-B-7 (Special offer)
- 22104 NMFS SSRF-650. Effects of some antioxidants and EDTA on development of rancidity in Spanish mackerel (*Scomberomorus maculatus*) during frozen storage [with list of literature cited; by] Robert N. Farragut. Feb. 1972. iv+12 p. il. 4° * Paper, 25c. (S/N 0320-0032). ● Item 208-B-7 (Special offer).
- 22105 NMFS SSRF-651. Effect of premortem stress, holding temperatures, and freezing on biochemistry and quality of skipjack tuna [with bibliography; by] Ladell Crawford. Apr. 1972. iii+23 p. il. 4° * Paper, 35c. ● Item 208-B-7 (Special offer)
- 22106 NMFS SSRF-653. Use of electricity in conjunction with 12.5-meter (headrope) Gulf-of-Mexico shrimp trawl in Lake Michigan [with list of literature cited; by] James E. Ellis. Mar. 1972. iv+10 p. il. 4° * Paper, 25c. ● Item 208-B-7
- 22107 NMFS SSRF-654. Electric detector system for recovering internally tagged manhaden, genus *Brevoortia* [with list of literature cited; by] R. O. Parker, Jr. Feb. 1972. iii+7 p. il. 4° * Paper, 25c. ● Item 208-B-7 (Special offer)
- (National Ocean Survey.)
- 22108 NOS 55. Mathematical model for simulational of photogrammetric camera using stellar control [with list of references; by] Chester C. Slama. Dec. 1972. iii+138 p. il. 4° * Paper, \$2.00. ● Item 208-B-7
C 55.13 : NOS 55

NATIONAL OCEANOGRAPHIC INSTRUMENTATION CENTER, Commerce Dept., Washington, DC 20390

- Instrument fact sheet IFS (series). † C 55.71 : (nos.)
- 22109 73003. Model 735, dissolved oxygen analyzer, Beckman Instruments, Inc., Fullerton, Calif. Sept. 1972. 7 p. il. 4° (National Ocean Survey.) [Issued with perforations.]
- 22110 73004. Model minus dom dissolved oxygen monitor, Beckman Instruments, Inc., Fullerton, Calif. Sept. 1972. 4 p. il. 4° (National Ocean Survey.) [Issued with perforations.]
- 22111 73005. Model 1131, dissolved oxygen analyzer, Ionics, Inc., Watertown, Mass. Sept. 1972. 4 p. il. 4° (National Ocean Survey.) [Issued with perforations.]
- 22112 73006. Hydrolab IIA portable water quality analyzer, Hydrolab Corporation, Austin, Tex. Sept. 1972. 8 p. il. 4° (National Ocean Survey.) [Issued with perforations.]
- 22113 73007. Model PR-02, diver plinger receiver, Helle Engineering, Inc., San Diego, Calif. Nov. 1972. 7 p. il. 4° [Issued with perforations.]
- Technical bulletins. † C 55.73 : RN—(nos.)
- 22114 RN-1006. Addenda [Current meter field evaluation]. Mar. 1972. 4 p. 4°
- 22115 RN-1007. Laboratory evaluation of dissolved oxygen analyzers. Sept. 1972. 11 p. il. 4° [Issued with perforations.]

NATIONAL PARK SERVICE, Interior Dept. Washington, DC 20242

- 22116 Environmental education, reference sources for development of programs and sites. [1972.] 40 p. il. narrow 8° † ● Item 648 I 29.2 : En 8/2
- Interpretive prospectus. †
- 22117 Arkansas Post National Memorial, Ark. [1971.] cover title, [2]+21 p. il. 4°
I 29.79/2 : Ar 4
- 22118 Colonial Parkway National Historical Park, Va. [1971.] cover title, [3]+21 p.
1 pl. 4° I 29.79/2 : C 71
- 22119 Fort Laramie National Historic Site, Wyo. [1972.] cover title, [2]+53 p. 4°
I 29.79/2 : F 77 1
- 22120 Fort Pulaski National Monument, Ga. [1971.] cover title, [2]+21 p. il. 4°
I 29.79/2 : F 77 p
- 22121 Fort Vancouver National Historic Site, Wash. [1971.] cover title, [2]+24 p. il. 4°
I 29.79/2 : F 77 v
- 22122 Richmond National Battlefield Park, Va. [1971.] cover title, [4]+24 p. 1 pl. 4°
I 29.79/2 : R 41
- 22123 Seasonal employment. [Revised 1972.] [28] p. il. narrow 8° † ● Item 648
I 29.2 : Em 7/972

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- 22124 Theodore Roosevelt [poster]. 1972. 42 x 32 in. [Lautman photograph.]
* Paper, 20c. (S/N 2405-0489). I 29.20: T 34
- Wilderness recommendations. ‡
- 22125 Badlands National Monument, S. Dak. [Aug. 1972.] cover title, [3] + 23 + [13] p.
4 pl. 4° I 29.79: B 14
- 22126 Colorado National Monument, Colo. [May 1971.] cover title, [3] + 36 p. 3 pl. 4°
I 29.79: C 71
- 22127 Haleakala National Park, Hawaii. [Aug. 1972.] cover title, [3] + 23 + [11] p. 4
pl. 4° I 29.79: H 13
- 22128 Katmai National Monument, Alaska. [Aug. 1972.] cover title, [3] + 27 + [17]
p. 4 pl. 4° I 29.79: K 15
- 22129 Yellowstone National Park, Idaho, Mont., Wyo. [Aug. 1972.] cover title, [3] + 29
+ [12] p. 4 pl. 4° [Plates are colored.] I 29.79: Y 3
- 22130 Yosemite National Park, Calif. [Aug. 1972.] cover title, [3] + 31 + [15] p. 4 pl. 4°
‡ I 29.79: Y 8
- 22131 Wind Cave National Park, S. Dak. [1972.] [2] p. il. oblong large 8° folded
into narrow 8° size. † ● Item 651 I 29.6: W 72/2/972
- 22132 Yellowstone wildlife. [1972.] cover title, [32] p. il. 4° [Some illustrations
are colored.] * Paper, 45c. (S/N 2405-0474). ● Item 648 I 29.2: Y 3/2

NATIONAL SCIENCE FOUNDATION Washington, DC 20550

- 22133 Federal funds for research, development and other scientific activities:
v. 21, fiscal years 1971-73; [prepared in Division of Science Resources
Studies]. [1972.] x+202 p. il. oblong 4° (Surveys of science resources
series; NSF 72-317.) * Paper, \$2.75 (S/N 3800-00129). ● Item 834-N
NS 1.18: 21

Initial reports of Deep Sea Drilling Project. [Project planned and carried
out with advice of Joint Oceanograph Institutions for Deep Earth Sam-
pling (JOIDES).]

- 22134 v. 13. Covering leg 13 of cruises of drilling vessel Glomar Challenger, Lisbon,
Portugal to Lisbon, Portugal, Aug.-Oct. 1970 [with lists of references;
by William B. F. Ryan [and others], B. F. Ryan [and others]. [Jan.
1973.] [Illustrated lining papers. Prepared for National Ocean Sediment
Coring Program under contract C-482 by University of California,
Scripps Institution of Oceanography. One illustration is colored.]
* Cloth, \$26.50 per set of 2 vols. ● Item 834-C
L.C. card 74-603338
pt. 1. xxiii+514 p. il. 4°
pt. 2. ix+1447 p. il. 4°

NS 1.2: D 36/2/v.13/pts.1-2

- 22135 Meteorological atlas of International Indian Ocean Expedition [with lists
of references]. [Joint Project of National Science Foundation and India
Meteorological Department.] ● Item 834-C

L.C. card 72-600068

NS 1.2: In 2/5/v.(nos.)

- v. 1. Surface climate of 1963 and 1964; by C. S. Ramage, F. R. Miller and
Charman Jefferies. [Sept. 1972.] [171] p. il. oblong f° * Cloth, \$17.25
(S/N 3800-00123).
- 22136 v. 2. Upper air; by C. S. Ramage and C. V. R. Raman. [Nov. 1972.] [115] p. il.
oblong f° * Cloth, \$14.75 (S/N 3800-00124).
- 22137 Science resources studies highlights: Federal support to universities and colleges
reaches \$3.5 billion in FY 1971; [prepared in Federal Academic Science Studies
Group, Division of Science Resources Studies]. Sept. 22, 1972. 4 p. il. 4° (NSF
72-316). † NS 1.31: Un 3/971

NATIONAL TECHNICAL INFORMATION SERVICE, Commerce Dept. Springfield, VA 22151

- 22138 1970 census of housing, microfiche final reports: Series HC (2), Metro-
politan housing characteristics, microfiche order form. [May 1972.] [16]
p. narrow 8° ([Form BC-2232.]) † C 51.11: H 81/970-5
- 22139 — Series HC(S1), Report 6, Detailed housing characteristics for United
States, regions, divisions, and States, 1970, microfiche order form. [Aug.
1972.] [3] p. narrow 8° ([Form BC-2255.]) † C 51.11: H 81/970-6

‡For Sale by National Technical Information Service,
Springfield, VA 22151

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GOVERNMENT PUBLICATIONS

- 22140 — Series HC(S1), Reports 8, 9, and 10, microfiche order form. [July 1972.] [5] p. narrow 8° ([Form BC-2553.]) † C 51.11: H 81/970-7
- 22141 1970 census of population, microfiche final reports: Detailed characteristics PC(1)-D series, microfiche order form. [May 1972.] [2] p. oblong 8° folded into narrow 8° size ([Form BC-2239.]) † C 51.11: P 81/970-14
- 22142 — Series PC(S1), Reports 10-16, microfiche order form. [June 1972.] [5] p. narrow 8° ([Form BC-2243.]) † C 51.11: P 81/970-15
- 22142A 1970 census of population, microfiche final reports: Series PC(S1), Reports 18-26, microfiche order form. [Sept. 1972.] [5] p. narrow 8° ([Form BC-2257.]) † C 51.11: P 81/970-16
- 22143 — Series PC(S1), Report 27, Rural population by farm-nonfarm residence for counties in United States, 1970, microfiche order form. [Sept. 1972.] [3] p. narrow 8° ([Form BC-2258.]) † C 51.11: P 81/970-17
- 22144 1970 census of population, microfiche, subject reports: Series PC(2), PC(2)-10B, State Economic Areas, PC(2)-2E, Migration between State Economic Areas, microfiche order form. [1972.] [3] p. narrow 8° ([Form BC-2251.]) † C 51.11: P 81/970-12
- 22145 1970 census of population and housing, microfiche final reports: Geographic identification code scheme, Series PHC(R)-3, microfiche and order form.
- 22146 Summary statistical data files on magnetic tape publicly available from Department of Commerce. [July 1, 1972.] [37] p. 4° (COM-72-90042.) [At head of title on cover: SUMSAT catalog. Federal summary statistical data project.] † ● Item 188-A-1 C 51.11: Su 6

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

- Aircraft accident report NTSB-AAR (series). TD 1.112:(nos.)
- 22147 72-11. Southern Airways, Inc., DC-9, N97S, Tri-State Airport, Huntington, W. Va., Nov. 14, 1970; adopted Apr. 14, 1972, Erratum, Aug. 31, 1972. [1]-31-32 p. 4° (SA-422; file 1-0023.) †
- 22148 72-29. Aircraft incident report, Continental Airlines, Inc. McDonnell Douglas DC-10, N 68041, Tucson, Ariz., May 2, 1972; adopted Oct. 18, 1972. [1972.] iv+10 p. 4° (File 4-0001.) †
- 22149 72-30. Near midair collision, vicinity of Front Royal, Va., Northwest Airlines, Boeing 720B, N738US, Lockheed Aircraft Corporation, Convair 240, N737Z, Apr. 26, 1972; adopted Oct. 26, 1972. iv+12 p. 4° (File 4-0002.) [Issued with perforations.] † Paper, \$3.00.
- 22150 Progress in highway safety, address by John H. Reed, Chairman, National Transportation Safety Board, before Highway Safety Foundation, Las Vegas, Nev., Aug. 27, 1972. [1972.] [1]+4 p. 4° † TD 1.110: R 25/36
- 22151 Public view of rail safety, keynote address by John H. Reed, Chairman, National Transportation Safety Board, before Railroad Section, National Safety Congress and Exposition, Chicago, Ill., Oct. 31, 1972. [1972.] [1]+6 p. 4° † TD 1.110: R 25/35
- 22152 Systems for collision avoidance [address] by John H. Reed, Chairman, National Transportation Safety Board, before 17th annual meeting, Air Traffic Control Association, Chicago, Ill., Oct. 10, 1972. [1972.] [1]+5+8 p. il. 4° † TD 1.110: R 25/34

NATIONAL WEATHER SERVICE, Commerce Dept. Washington, DC 20235

Communications handbook.

- 22153 4. Index numbers for North and Central America. 1st edition. July 1972. vi+60 p. il. 4° (Office of Meteorological Operations, Communications Division.) [Effective July 1, 1972. Issued with perforations.] * Paper, 65c. ● Item 275-G C 55.108/4:4
- 22154 Key to aviation weather reports. Revised Feb. 1972. [2] p. oblong 12° * Cardboard, \$2.50 per 100; single copy, 5c. (S/N 0318-0025). ● Item 275-I C 55.108: Av 5

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

APRIL 1973

- 22155 Marine weather services. [Revised 1972.] [1972.] [6] p. il. narrow 8°
([NOAA/PA 70029.]) * Paper, 15c. ● Item 275 C 55.102: M 33/972
- 22156 Numerical weather prediction activities, National Meteorological Center,
first half 1972. Sept. 1972. cover title, [1]+44 p. il. 4° † C 55.115: 972
- 22157 Programs & accomplishments, Systems Development Office, fiscal year
1972. Oct. 1972. iv+40 p. il. 4° † C 55.102: Sy 8

NAVAL ELECTRONIC SYSTEMS COMMAND, Defense Dept. Washington, DC 20360

- 22158 Naval shore electronics criteria: Installation standards and practices [with
list of references]. June 1972. [633] p. il. 4° (NAVELEX 0101.110; FSN
0280-900-8000.) [Issued with perforations.] * Paper, \$5.00 (S/N 0859-
00014). ● Item 414-A D 219.8: E1 2/12

NAVAL OBSERVATORY, Defense Dept. Washington, DC 20350

- 22159 Air almanac, 1973, May-Aug. 1973. [1972.] cover title, 241-488+F 4+A
84 p. il. 4° [Text on p. 2-4 of cover. The F pages of collation consist of
Navigation star chart mounted on cloth, with Stars, May-Aug. 1973.
Interpolation on G.H.A., interpolation of moonrise, moonset and Star
index on verso. Produced jointly by Nautical Almanac Office Royal
Greenwich Observatory, and by Nautical Almanac Office, U.S. Naval
Observatory. Printed separately in England and United States.] * Stiff-
board, \$6.50. ● Item 393 D 213.7: 973/2

NAVAL OCEANOGRAPHIC OFFICE, Defense Dept. Washington, DC 20390

Publication.

- 22160 113. Change 25, Dec. 16, 1972, List of lights and fog signals, West coasts of
Europe and Africa, Mediterranean Sea, Black Sea and Azovskoye More
(Set of Azov). [1972.] [372] p. 4° [Includes list of effective pages
and Notice to mariners 51, 1972. Issued in looseleaf form.] † Paper,
50c. ● Item 378 (Rev. 1957) D 203.22: 113/ch.25

[Special publication] SP (series).

- 22161 189, v. 2. Environmental-acoustics atlas of Caribbean Sea and Gulf of Mexico,
v. 2: Marine environment [with bibliography]. Aug. 1972. cover title,
v-181+[12] p. il. 6 pl. in pockets, oblong 8° [Prepared for Long
Range Acoustic Propagation Project, Maury Center for Ocean Science,
Office of Naval Research.] † Paper, \$2.00. D 203.22/3: 189/v.2

NAVAL PERSONNEL BUREAU, Defense Dept. Washington, DC 20390

- 22162 Bureau of Naval Personnel manual, change 1/73. Jan. 1973. [218] p. 4°
(NAVPERS 15791B.) [Issued in looseleaf form.] † ● Item 403-A
D 208.6/2: 969/ch.1/73

NAVAL RESEARCH OFFICE, Defense Dept. Washington, DC 20390

NRL reports. (Naval Research Laboratory.) D 210.8: (nos.)

- 22163 7406. Criteria for fracture control plans [with list of annotated references; by]
W. S. Pellini. May 11, 1972. cover title, vii+92 p. il. 4° [NRL problems
MO1-25, MO-24, and MO1-14, project RR 022-01-48-5432 and 5431,
RR 022-11-41-5409.] † Paper, \$3.00 (AD 743058).
- 22164 7408. SOLRAD 10 satellite, Explorer 44, 1971-058A [with list of references; by]
Donald M. Horan and Robert W. Kreplin. July 12, 1972. cover title,
iii+50 p. il. 4° [NRL problem A01-20, project A3705381-625B-2F00-
551-771.] † Paper, \$3.00 (AD 748992).
- 22165 7415. Reduction of electrostatic charge in jet fuels during refueler loading [with
list of references; by] Joseph T. Leonard and Homer W. Carhart. June 20,
1972. cover title, ii+18 p. il. 4° [NRL problem C01-01.101, project
RR 010-01-44-5851.] † Paper, \$3.00 (AD 748995).

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NRL reports. (Naval Research Laboratory)—Continued

- 22168 7433. Optimal piecewise-constant control of dynamic systems with applications to Kalman filtering [with list of references; by] Jong-Sen Lee. Aug. 2, 1972. cover title, 1-14 p. il. 4° (Operations Research Branch report 72-2.) [NRL problem B01-10, project RR 003-02-41-6152.] Φ Paper, \$3.00 (AD 748183).
- 22167 7434. Behavior of 2- β tracker for maneuvering targets under noise, false target, and fade conditions [with list of references; by] Ben H. Cantrell. Aug. 17, 1972. cover title, il+50 p. il. 4° [NRL prob. R03-54, project RF 05-15-403-4010.] Φ Paper, \$3.00 (AD 748993).
- 22168 7435. Recent computational experience with method of phase and amplitude diagrams [with list of references; by] Howard L. Wiener. Aug. 15, 1972. cover title, 1-14 p. il. 4° (Operations Research Branch report 72-3.) [NRL problem B01-10, project RR 003-02-41-6152.] Φ Paper, \$3.00 (AD 749347).
- 22169 7439. Fracture safety considerations for Hanford-N reactor coolant piping material [with list of references; by] R. A. Gray, jr. and F. J. Loss. Aug. 16, 1972. cover title, il+14 p. il. 4° [NRL problem M01-14, project RR 022-11-41-5409, AEC-AT(49-5)-2110, MIPR-ERG-41004.] Φ Paper, \$3.00 (AD 748590).
- 22170 7448. Fortran computer program to calculate late range of pulse radar [with list of references; by] L. V. Blake. Aug. 28, 1972. cover title, il+56 p. il. 4° [NRL problems R02-64 and R02-55A, projects PO-O-0038 and SF 11-141-005-15483.] Φ Paper, \$3.00 (AD 749686).
- 22171 7450. Tape playback and serial-time decoder for IFF flight test instrumentation; [by] Charles E. Quigley. Oct. 3, 1972. cover title, il+24 p. il. 4° (Security Systems Branch, Communications Sciences Division.) [NRL problem R03-05.302, project NAVAIRSYSCOM W1715.] Φ Paper, \$3.00 (AD 750687).
- 22172 7468. Statistical analysis of truncated-data methods to shorten thermal-aging tests of electrical insulation [with list of references; by] L. M. Johnson, F. J. Campbell, and E. L. Brancatao. Sept. 19, 1972. cover title, il+14 p. il. 4° [NRL problem E02-04A, project SF35-546-002-04533.] Φ Paper, \$3.00 (AD 749925).
- 22173 7476. Microprogrammed control unit (MCU) programming reference manual; [by] John D. Roberts, jr. Aug. 15, 1972. cover title, ili+42 p. il. 4° [NRL problem B02-06.] Φ Paper, \$3.00 (AD 747948).
- 22174 7488. Signal processing element users' reference manual; [by] William R. Smith and John P. Ihnat. Sept. 5, 1972. cover title, ili+34 p. il. 4° [NRL problems B02-06 and B02-10, project NAVAIR WF 14-241-601 and NAVELLEX XF 21-241-015-K152.] Φ Paper, \$3.00 (AD 748592).
- 22175 7490. Signal processing element functional description, pt. 1: Microprogrammed control unit, buffer store, and storage control unit; by John P. Ihnat [and others]. Sept. 12, 1972. cover title, ili+36 p. il. 4° [NRL problems B02-06 and B02-10, project 3F21-241-601 (formerly WF-15-241-601), 2F00-241-601, XF-53-241-003, and XF-21-241-015-K152.] Φ Paper, \$3.00 (AD 748996).
- 22176 Training device guide, revised July 1, 1971, Change notice 2. Aug. 10, 1972. [30] p. (NAVTRADEV P-530-2-R2; Naval Training Equipment Center, Orlando, Fla.) [Issued in looseleaf form.] \dagger D 210.14/2: T 68/971/ch.2

NAVAL SUPPLY SYSTEMS COMMAND, Defense Dept. Washington, DC 20360

- 22177 It's your move! [Revised Oct. 1972.] [2]+iv+53 p. il. 4° (NAVSUP publication 380; Naval Supply Systems Command.) \dagger \bullet Item 415
D 212.2: M 86/972
- 22178 Messhall master at arms handbook. Feb. 1973. cover title, [51] p. il. 4° (NAVSUP publication 520; COG 1 stock no. 0530-052-0000.) [Issued with perforations.] \dagger \bullet Item 415-B
D 212.6/3: M 56

NAVAL TECHNICAL TRAINING COMMAND, Naval Air Station Memphis (75), Millington, TN 38054

NOTE.—The Naval Technical Training Command was established Aug. 1, 1971, and operates under the direction of Chief of Naval Operations.

Modular individualized learning for electronics training, MIL (series). (A-100-0012, A-100-0013; TPD-D1.)

- 22179 4-5. Electron tube circuitry, electronic voltage regulation, student guide. July 1972. cover title, 50 p. il. 4° (NAVTRA 3974-16.) [Issued with perforations. Pages 2, 5, 17, 29, 45 and 47 left blank for responses.] \dagger
 \bullet Item 404
D 207.109: 4-5/guide

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NAVAL TRAINING COMMAND, Naval Air Station
Pensacola, FL 32508

NOTE.—The Naval Training Command was established July 1, 1972, and operates under the direction of Chief of Naval Operations.

Rate training manual.

- 22180 Machinist's mate 3 & 2; [prepared by Navy Training Publications Detachment, Washington, D.C.]. [1st edition 1951, Revised 1972.] [1972.] cover title, iv +432 p. il. 4° (NAVTRA 10524-D.) † ● Item 404
L.C. card 73-600997 D 207.208/2: M 18

NAVAL WEATHER SERVICE COMMAND, Defense Dept.
Washington, DC 20390

Summary of synoptic meteorological observations, Southeast Asian coastal marine areas; [prepared by Commerce Department, National Oceanic and Atmospheric Administration, Environmental Data Service, National Climatic Center]. [Sept. 1972.] [Map on p. 2 of cover.]

- 22181 v. 3, Area 8. Kuala Trengganu; area 9, Endau; area 10, South Malacca Strait; area 11, North Malacca Strait. vii+632 p. il. oblong 8° Φ Paper, \$9.00.
L.C. card 73-616453 D 220.10: As 4/2/v.3

Summary of synoptic meteorological observations, Southwest Asian coastal marine areas. [Dec. 1971.] [Map on p. 2 of cover.]

- L.C. card 73-616453 D 220.10: As 4/v. (nos.)
22182 v. 2. Area 5, Madras; area 6, N.E. Ceylon, area 7, S.E. Ceylon, area 8, W. Ceylon. vii+632 p. il. oblong 8° Φ Paper, \$9.00.
22183 v. 4. Area 13, Gulf of Cambay; N.E. Arabian Sea; area 15, N.W. Arabian Sea, Area 16, S.E. Oman. vii+632 p. il. oblong 8° Φ Paper, \$9.00.

OIL AND GAS OFFICE, Interior Dept.
Washington, DC 20240

- 22184 Excerpts of remarks of Gene P. Morrell, Director, Office of Oil and Gas, before 1st Oil Import Symposium, Dallas, Tex., Oct. 6, 1972. 1972. 4 leaves 4° †
I 64.9: M 83/2

OUTDOOR RECREATION BUREAU, Interior Dept.
Washington, DC 20240

- 22185 1965 nationwide inventory of publicly owned recreation areas and assessment of private recreation enterprises. [1973.] cover title, iv+134 p. il. 4° * Paper, \$2.00. ● Item 657-B-1
L.C. card 73-600914 I 66.2: P 96/965
22186 Proceedings, 2d annual national symposium on park, recreation, and environmental design, Feb. 14-16, 1972. St. Louis, Mo., co-sponsored by Park Maintenance, Appleton, Wis. [1972.] vi+121 p. 4° † ● Item 657-B-1
I 66.2: P 21

PATENT OFFICE, Commerce Dept.
Washington, DC 20231

- 22187 Index of patents issued from Patent Office, 1971: pt. 1, List of Patentees, 1972. 2220 p. large 8° * Cloth, \$24.75 (S/N 0304-0499). ● Item 255
O 21.5/2: 971/pt.1
22188 Index of trademarks, issued from Patent Office, 1971. 1972. 284 p. large 8° * Cloth, \$6.00. ● Item 256
O 21.5/3: 971
22189 Manual of patent examining procedure, 3d edition [Nov. 1961], revision 34. Oct. 1972. [75] p. 4° [Issued in looseleaf form.] * Paper, \$19.50 (including basic manual and supplementary material for an indefinite period); \$5.00 additional for foreign mailing. ● Item 259
O 21.15: 961/rev.notice 34

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GOVERNMENT PUBLICATIONS

- 22190 Text of address by Robert Gottschalk, Commissioner of Patents, before Oregon and Washington Patent Law Associations, June 2, 1972. [1972.] 15 p. 4° † C 21.20: G 71/7
- 22191 Trademark, rules of practice of Patent Office with forms and statutes, 1972. 8th edition, June 1972. [1972.] vii+122 p. il. [Issued with perforations.] * Paper, \$2.00 (including basic manual and supplementary material for an indefinite period); 50c. additional for foreign mailing. ● Item 262 C 21.14: T 67/2/972

POPULATION GROWTH AND THE AMERICAN FUTURE, COMMISSION ON, 726 Jackson Pl., NW. Washington, DC 20506

Research report.

- 22192 3. Population resources and environment; edited by Ronald G. Ridker. [1972.] 377 p. il. 4° * Paper, \$4.25 (S/N 5258-00003). ● Item 1089 Y 3.P 81: 9/3
L.C. card 72-600125

PRESIDENT OF UNITED STATES Washington, DC 20501

- 22193 Action for retarded, recommendations to President on Federal programs. [1972.] [4]+5+23+[3] p. il. 4° ([DHEW publication (OS) 73-83]; President's Committee on Mental Retardation.) † President's Committee on mental retardation, Washington, D.C. 20201 ● Item 851-J Pr 36.8: M 52/R 31/5
- 22194 Changing nature of mass media; by Ernest Wittenberg, Ernest Wittenberg Associates, Inc. 1972. [11] p, narrow 8° [Remarks at 25th anniversary annual meeting, President's Committee on Employment of The Handicapped, Washington, D.C., May 4, 1972.] † President's Committee on Employment of Handicapped, 7131 Department of Labor Building, Washington, D.C. 20210 ● Item 766-C PrEx 1.10/2: W 78
- 22195 Disabled Vietnam veterans, new look, remarks by Harold Russell, Chairman, President's Committee on Employment of Handicapped at National Conference of Veterans Employment Service, Atlanta, Ga., May 31, 1972. [1972.] 4 leaves, 4° † PrEx 1.10: R 91/11
- 22195A Economic report of the President, transmitted to Congress Jan. 1973, together with annual report of Council of Economic Advisors. 1973. iii+301 p. il. [Also issued as H. doc. 28, 93d Congress, 1st session.] * Paper, \$2.35 (S/N 4000-00287). ● Item 848 Pr 37.9: 973
- 22196 Opportunities for a community in economic distress. [1972.] [24] p. il. 4° (President's Inter-Agency Economic Adjustment Committee.) † Chairman, Inter-Agency Economic Adjustment Committee, Office of Secretary, Attention: Director for Economic Adjustment, Room 3-E-787, Pentagon, Washington, D.C. 20301 ● Item 851-J Pr 37.8: Ec 7/2/D 63
- 22197 Report to President, Federal programs for retarded, review and evaluation, agency reports. June 1972. [1]+2+[3]+271 p. (President's Committee on Mental Retardation.) * Paper, \$1.25. ● Item 851-J Pr 36.8: M 52/P 94
L.C. card 72-602885
- 22198 Six special studies requested for Ad Hoc Advisory Group on Presidential Vote for Puerto Rico. June 1971. iv+130 p. il. * Paper, 50c. Pr 37.8: P 96/St 9
L.C. card 72-613869

PRICE COMMISSION Washington, DC 20508

- 22199 Tenant's guide to rent controls. [1972.] cover title, 14 p. il. 4° (Rent Advisory Board.) † Y 3.P 93/4: 2R 29

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PRISONS BUREAU, Justice Dept.
Washington, DC 20537

- 22200 Federal Prison Industries, Inc. [fiscal year] 1971, Board of Directors annual report. [Marion, Ill., 1972.] [2]+22 p. il. † J 16.51: 971

PUBLIC DOCUMENTS DEPARTMENT, Government Printing Office
Washington, DC 20402

Price list PL (series).

- 22201 31. Education; Jan. 1973. 56th edition. [1972.] [4]+73 p. † ● Item 554
GP 3.9: 31/56

PUBLIC HEALTH SERVICE, Health, Education, and Welfare Dept.
Washington, DC 20201

- 22202 Colorado River basin water quality control project, study of Colorado River water quality near Yuma, Ariz.; by C. E. Sponagle [and others]. June 1961. [3]+8 leaves, il. 4° (PR-1; Bureau of State Services, Division of Water Supply and Pollution Control.) † HE 20.2: C 71
- 22203 International certificates of vaccination as approved by World Health Organization (except for address of vaccinator). [Revised Sept. 1971.] [1972.] [16] p. 16° (Form 731.) [English and French.] * Paper, \$5.00 per 100; single copy, 10c. (S/N 1703-0393). HE 20. Form PHS-731/971
- Robert A. Taft Sanitary Engineering Center: Technical reports. † Director, Robert A. Taft Sanitary Engineering Center, Cincinnati, Ohio.
FS 2.92: W (nos.)
- 22204 W 59-3. Research in water supply and water pollution, survey of projects currently being conducted by Research Branch, Division of Water Supply and Pollution Control, at Robert A. Taft Sanitary Engineering Center, Cincinnati, Ohio. Aug. 1, 1959. vi+23 p. il. 4° (Bureau of State Services.) [Illustration on p. 2 of cover.]
- 22205 W 62-25. Problems in ground water pollution [with list of references; by] Graham Walton. 1962. [2]+6 p. il. (Division of Water Supply and Pollution Control.)

RADIOLOGICAL HEALTH BUREAU, Health, Education, and
Welfare Dept., Rockville, MD 20852

BRH/DEP (series).

- 22206 73-3. Radiation safety and protection in industrial applications, proceedings of symposium, Aug. 16-18, 1972, Washington, D.C. [with lists of references]; edited by Herbert F. Klein. Oct. 1972. xxvii+307+[2] p. il. 4° (DHEW publication (FDA) 73-8012; Division of Electronic Products.) [Sponsored by American Society for Nondestructive Testing, Atomic Energy Commission, Bureau of Radiological Health, Health Physics Society, National Institute of Occupational Safety and Health.] * Paper, \$3.75 (S/N 1715-00042). ● Item 468-A-5
L.C. card 73-600886 HE 20.4110: 73-3

BRH/OBD (series).

- 22207 73-5. Regulations for administration and enforcement of radiation control for Health and safety act of 1968. Nov. 1972 [published 1973]. [2]+iv+35 p. (DHEW publication (FDA) 73-8015.) Supersedes BRH/OBD 71-1.] * Paper, 45c. (S/N 1715-00043). ● Item 498-B-4 HE 20.4111: 73-5

RECLAMATION BUREAU, Interior Dept.
Washington, DC 20240

- 22208 Feasibility of cloud seeding to enhance water resources in Cassia and Oneida Counties, Idaho, and Box Elder County, Utah [with list of references]; by North American Weather Consultants, Santa Barbara Municipal Airport, Goleta, Calif. Dec. 1971. [53] p. il. 4° (Report 15-16; Division of Atmospheric Water Resources Management, Denver, Colo.) [Contract 14-06-D-7053, amended.] † I 27.2: C 27

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GOVERNMENT PUBLICATIONS

REC-ERC [Reclamation Bureau, Engineering and Research Center] (series).

- 22209 72-15. Development of analytical procedures for determining chlorinated hydrocarbon residues in waters and sediments from storage reservoirs [with list of references] by Edward T. Lyons [and] Howard A. Salman. Apr. 1972. [3]+6+[4] p. il. 4° (Applied Sciences Branch, Division of General Research.) Φ Paper, \$3.00. I 27.60 : 72-15

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

- 22209A Deaf leadership training for community interaction, manual for grassroots leadership; Eugene W. Petersen, editor. [1972.] [1]+91 p. il. narrow 8° [Manual is outgrowth of workshop sponsored by National Association of the Deaf, held in Salt Lake City, Utah, Aug. 13-16, 1969. Supported in part by Grant 638-T-69.] † ● Item 529-B HE 17.108 : D 63/2
- 22210 State vocational rehabilitation agency fact sheet booklet, fiscal year 1972. [1972.] [6]+246 p. 4° (SRS 72-25051). † ● Item 506-C-2 HE 17.119/2 : 972

SAFETY OFFICE Washington, DC 20590

Accident bulletin.

- 22211 140. Summary and analysis of accidents on railroads in United States, calendar year 1971. [1972.] [3]+84 p. il. large 4° * Paper, \$1.75 (S/N 5006-0011). ● Item 681 TD 3.103 : 140

Railroad accident investigation report.

- 22212 4182. Grand Trunk Western RR. Pontiac, Mich., Sept. 7, 1971. [Aug. 3, 1972.] [3]+18 p. il. † TD 3.110 : 4182

SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

- 22213 Investment company act of 1940, as in effect Dec. 14, 1970, erratum. [1973.] 1 p. 12° † ● Item 906 SE 1.5 : In 8/970/errata

SHIP STRUCTURE COMMITTEE Washington, DC 20226

SSC (series). Φ Paper, each, \$3.00.

Y 3.Sh 6 : SSC-(nos.)

- 22214 216. Program "TRANSHIP", computer program for design of midship section of transversely-framed dry cargo ship, pt. 2; by Manley St. Denis. 1971. vi+144+2 p. il. 4° [Prepared under Department of Navy, Naval Ship Engineering Center, contract N00024-68-C-5403.]
- 22215 225. Structural analysis of longitudinally framed ships, final report on Project SR-196. Computer design of longitudinally framed ships [with list of references]; by R. Nielson, P. Y. Chang, and L. C. Deschamps. 1972. iv+60+2 p. il. 4° [Prepared under Department of Navy, Naval Ship Engineering Center, contract N00024-70-C-5219.]
- 22216 226. Tanker longitudinal strength analysis, user's manual and computer program, final report on Project SR-196. Computer design of longitudinally framed ships; by R. Nielson, P. Y. Chang, and L. C. Deschamps. 1972. iv+10+2 p. il. 4° [Prepared under Department of Navy, Naval Ship Engineering Center, contract N00024-70-C-5219.]
- 22217 227. Tanker transverse strength analysis, user's manual, final report on Project SR-196. Computer design of longitudinally framed ships; by R. Nielson, P. Y. Chang, and L. C. Deschamps. 1972. iv+43 p. il. 4° [Prepared under Department of Navy, Naval Ship Engineering Center, contract N00024-70-C-5219.]
- 22218 228. Tanker transverse strength analysis, programmer's manual, final report on Project SR-196. Computer design of longitudinally framed ships; by R. Nielson, P. Y. Chang, and L. C. Deschamps. 1972. iv+42+2 p. 4° [Prepared under Department of Navy, Naval Ship Engineering Center, contract N00024-70-C-5219.]
- 22219 230. Program scores, ship structural response in waves, final report on Project SR-174. Ship computer response; by Alfred I. Raff. 1972. iv+63+2 p. il. 4° [Prepared under Department of Navy, Naval Ship Engineering Center, contract N00024-70-C-5076.]

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- 22220 231. Further studies of computer simulation of slamming and other wave-induced vibratory structural loadings on ships in waves, final report on Project SR-174, Ship computer response [with list of references]; by P. Kaplan and T. P. Sargent. 1972. vii+36+2 p. il. 4° [Prepared under Department of Navy, Naval Ship Engineering Center, contract N00024-70-C-5076.]
- 22221 232. Study of factors which affect adequacy of high-strength, low-alloy steel weldments for cargo ship hulls, final report on Project SR-177, High-strength, low-alloy steel weldments [with list of references]; by E. B. Norris, A. G. Pickett, and R. D. Wylie. 1972. iv+30+2 p. il. 4° [Prepared under Department of Navy, Naval Ship Engineering Center, contract N00024-67-C-5416.]

SMITHSONIAN INSTITUTION Washington, DC 20560

- 22222 1971 annual report, National Zoological Park, Smithsonian Institution, July 1, 1970-June 30, 1971. v+42 p. il. 4° * Paper, \$2.00 (S/N 4700-00244). ● Item 910-J SI 1.1/2: 971
- 22223 [This entry number not used.]

SOCIAL AND REHABILITATION SERVICE, Health, Education, and Welfare Dept., Washington, DC 20201

- 22224 Manual on volunteer services in public welfare, social services; [prepared by Cynthia Nathan]. [1972.] vi+46 p. il. 4° * Paper, 50c. (S/N 1760-0108). ● Item 512-A-3 HE 17.8: P 96

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

Actuarial notes. † HE 3.19/2: (nos.)

- 22225 75. Computer program for primary insurance amount; by Albert Rettig and Orlo Nichols. Oct. 1971. [3] p. 4° (DHEW pub. (SSA) 72-11502 (10/71). Office of Actuary.)
- 22226 77. Comparison of actual experience under OASDHI system with short-range cost estimates; by Margaret A. Lannen. June 1972. [6] p. 4° (DHEW pub. (SSA) 73-11505 (6-72). Office of Actuary.)
- 22227 78. Mortality of charter beneficiaries; by Francisco Bayo and Margaret A. Lannen. Aug. 1972. [4] p. 4° (DHEW pub. (SSA) 11506 (8-72). Office of Actuary.)
- 22228 Answers for doctors, social security disability program. [July 1972.] 14 p. narrow 12° ([DHEW publication (SSA) 73-10013.]) † ● Item 516 HE 3.2: D 65

From social security survey of disabled, 1966 report. (Office of Research and Statistics.) † HE 3.54/3: (nos.)

- 22229 21. Personal care and household help needs of noninstitutionalized disabled; by Mary E. Burdette. Sept. 1972. [2]+21+[2] p. 4° [Includes list of Reports from 1966 survey of disabled adults. Errata 2 leaves also issued]

22230 [This entry number not used].

- 22231 22. Disabled widows; by Donald T. Ferron. Nov. 1972. [3]+18 p. 4° (DHEW publication (SSA) 73-11713.)

Health insurance statistics: Current medicare survey report, CMS (series). (Office of Research and Statistics.)

- 22232 24. Estimated number of persons using medicare services, calendar years 1967-70; by Paula Piro. Dec. 20, 1972. 7 p. il. 4° † HE 3.28/4: 24

Health insurance statistics: HI (series). (Office of Research and Statistics.) † HE 3.28/5: (nos.)

- 22233 37. Medicare, number of persons using reimbursed services in 1968; by Harry L. Savitt. Oct. 16, 1972. 6+[1] p. il. 4° [Includes list of Health Insurance statistics series.]
- 22234 39. Medicare, number of persons insured July 1, 1971; [by Martin Ruther]. Nov. 30, 1972. 17 p. 4°
- 22235 40. Medicare, age-adjusted rates for utilization and reimbursements, by State, 1967; prepared in Program Statistics Branch, Division of Health Insurance Studies. Dec. 5, 1972. 8 p. 4°

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Medicare, health insurance for the aged, 1968. (Office of Research and Statistics.)

- 22230 sec. 2. Persons enrolled in the health insurance program. [1972.] xxiii+59 p. ll. 4° * Paper, \$1.25 (S/N 1770-00100). ● Item 516-D
L.C. card HEW 66-36 HE 3.57: 96S/sec.2

Office of Research and Statistics: Staff paper.

- 22237 12. Income of physicians, osteopaths, and dentists from professional practice, 1965-69; by Marcus S. Goldstein. (DHEW publication (SSA) 73-11852.)
* Paper, \$2.00 (S/N 1770-00102). ● Item 522-B
L.C. card 73-600572 HE 3.56: 12

Research and statistics notes, 1972 (series). (Office of Research and Statistics.) † HE 3.28/2: 972/(nos.)

- 22238 17. Self-employed doctors of medicine under OASDHI, 1967; by Herbert R. Tacker. Oct. 20, 1972. 7 p. 4°
- 22239 18. Social welfare expenditures in fiscal year 1972; by Alfred M. Skolnik and Sophie R. Dales. Nov. 23, 1972. 3 p. 4°
- 22240 19. National health expenditures, fiscal year 1972; [by Barbara S. Cooper and Nancy L. Worthington]. Nov. 29, 1972. 3 p. 4°
- 22241 20. Benefits amounts under 1972 amendments; by Harry Shulman. Nov. 30, 1972. 2 p. 4°
- 22242 24. Additional unemployment insurance benefits provided; prepared in Inter-program Studies Branch, Division of Economic and Long-Range Studies. Dec. 12, 1972. [2] p. 4°
- 22243 28. Spanish-surnamed social security beneficiaries in Southwest; [by Jack Schmulowitz]. Dec. 28, 1972. 12 p. 4°

SOIL CONSERVATION SERVICE, Agriculture Dept. Washington, DC 20250

- 22244 Early season snow report for Colorado, Jan. 1, 1973, water supply outlook, Federal-State-private-cooperative snow surveys; prepared by Jack N. Washichek and Ronald E. Moreland. [1973.] 1 p. 4° (Snow Survey Unit.) † A 57.2: Sn 6/9/973
- 22245 Federal-State-private cooperative snow surveys: Basic data summary of snow survey and soil moisture measurements for western United States including Columbia River drainage in Canada, 1971-72 season [as of Oct. 1, 1972]; prepared by Water Supply Forecasting Branch, Engineering Division, Portland, Oreg. [8]+98 p. 4° [Prepared in collaboration with California Department of Water Resources and British Columbia Department of Lands, Forests and Water Resources]. †
A 57.2: Sn 6/12/972

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

Fish distribution report.

- 22246 6. Propagation and distribution of fishes from national fish hatcheries for fiscal year 1971; prepared by Division of Fish Hatcheries. [1972.] [2]+72 p. † ● Item 610-C I 49.69: 6

Resource publications. ● Item 613-B

I 49.66:(nos.)

- 22247 108. Review of literature on endangered masked bobwhite [with bibliography]; by Roy E. Tomlinson. Sept. 1972. iv+23 p. ll. 4° * Paper, 35c (S/N 2410-00338).
- 22248 109. Characteristics of black-footed ferret; by Donald K. Fortenberry. 1972. 8 p. ll. 4° †

Special scientific report: Wildlife (series).

- 22249 162. Survey of red wolf (*Canis rufus*) [with list of literature cited]; by Glynn A. Riley and Roy T. McBride. 1972. iii+15 p. ll. 4° * Paper, 40c. ● Item 614-C I 49.15/3: 162

Wildlife research report.

- 22250 1. Analysis of population dynamics of selected avian species, with special reference to changes during modern pesticide era [with list of references]; by Charles J. Henny. [1972.] [4]+99 p. ll. 4° * Paper, \$1.00 (S/N 2410-0298). ● Item 614-D I 49.47/4: 1

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STATE DEPARTMENT
Washington, DC 20520

Background notes. ([Office of Media Services, Bureau of Public Affairs.])
[Issued with perforations.] * Paper, \$6.00 a yr., \$1.50 additional for
foreign mailing.

- 22251 Ireland [with reading list]. [Revised Oct. 1972.] [1972.] 4 p. il. 4° ([Publica-
tion 7974.]) * Paper, 10c. S 1.123: Ir 2/972
- 22252 Kingdom of Denmark [with reading list]. [Revised Oct. 1972.] [1972.] 4 p.
il. 4° ([Publication 8298.]) * Paper, 10c. S 1.123: D 41/972
- 22253 Mongolian People's Republic [with reading list]. [Revised Oct. 1972.] [1972.]
6 p. il. 4° ([Publication 8318.]) * Paper, 10c. S 1.123: M 74/972
- 22254 Republic of Peru [with reading list]. [Revised Oct. 1972.] [1972.] 6 p. il. 4°
([Publication 7799.]) * Paper, 10c. S 1.123: P 43/972
- 22255 Republic of Philippines [with reading list]. [Revised Oct. 1972.] 8 p. il. 4°
([Publication 7750.]) * Paper, 10c. S 1.123: P 53/972
- 22256 Southern Rhodesia [with reading list]. [Revised Oct. 1972.] 7 p. il.
4° ([Publication 8104.]) * Paper, 10c. S 1.123: So 8 r/972

Department and Foreign Service series.

- 22257 145. Prospects for more rational world, reflections on international relations; by
U. Alexis Johnson. [Nov. 1972.] cover title, [2]+10 p. oblong 12°
([Publication 8685; Office of Media Services, Bureau of Public Affairs.])
[Testimony of U. Alexis Johnson, American Foreign Service officer, before
House Foreign Affairs Subcommittee on National Security Policy and
Scientific Developments, Aug. 8, 1972.] * Paper, 40c. (S/N 4400-01440).
● Item 863 S 1.69: 145

East Asian and Pacific series.

- 22258 207. Current foreign policy: U.S. trade prospects with P.R.C., realistic assess-
ment. [Dec. 1972.] 7 p. il. 4° ([Publication 8687; Bureau of Public
Affairs, Office of Media Services.]) [Text of address by Marshall Green,
Assistant Secretary of State for East Asian and Pacific Affairs before
China Trade Symposium, University of California Graduate School of
Business Administration at Los Angeles, Calif.] * Paper, 15c. ● Item
870 S 1.38: 207

- 22259 Foreign relations of United States, 1948; v. 9, Western Hemisphere, 1972.
xii+801 p. ([Publication 8626, Historical Office, Bureau of Public
Affairs.]) [Also issued as H. doc. 381, v. 9, 81st Cong., 1st sess.]
* Cloth, \$6.75 ● Item 872 S 1.1: 948/v.9

- 22260 French basic course, units 1-12; [by] Dan Desberg [and others]. 1960.
xvi+315 p. 4° (Foreign Service Institute.) * Paper, \$3.00. ● Item
872-A S 1.114/2: F 88/unit 1-12

International boundary study. (Geographer [Directorate for Functional
Research], Bureau of Intelligence and Research.)

- 22261 129. Liberia Serra Leone boundary [with list of documents]. Oct. 13, 1972, cover
title, [3]+9 p. map, 4° † S 1.119/3: 129

Treaties and other international acts series. * Paper, \$27.00 a yr. (ap-
proximately 150 issues), \$6.75 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.)

- 22262 7374. Technical cooperation, water resources, land utilization, irrigated agricul-
ture, agreement between United States and Republic of China, signed
Taipei May 12, 1972; [entered into force May 12, 1972]. [1972.] [2]+10
p. [English and Chinese.] * Paper, 10c.
L.C. card 73-600586

- 22263 7384. Mutual defense assistance, cash contribution by Japan, arrangement be-
tween United States and Japan, relating to agreement of Mar. 8, 1954,
effected by exchange of notes, signed Tokyo July 13, 1971; [entered into
force July 13, 1971]. [1972.] [2]+6 p. [English and Japanese.]
* Paper, 10c.
L.C. card 73-600581

- 22264 7426. Agricultural commodities, agreement between United States and Pakistan,
amending agreement of Mar. 9, 1972, as amended, effected by exchange
of notes, signed Islamabad July 21, 1972; [entered into force July 21,
1972]. [1972.] [2]+3 p. * Paper, 15c.
L.C. card 72-603747

- 22265 7427. Agricultural commodities, agreement between United States and Tunisia,
amending agreement of Nov. 17, 1972, effected by exchange of notes,
dated Tunis Apr. 19, 1972; [entered into force Apr. 19, 1972]. [1972.]
[2]+3 p. [English and French.] * Paper 15c.
L.C. card 72-603593

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Treaties and other international acts series—Continued

- 22266 7429. Trade, meat imports, agreement between United States and Dominican Republic, effected by exchange of notes, signed Santo Domingo Mar. 15 and May 19, 1972; [entered into force Mar. 19, 1972]. [1972.] [2] + 6 p. [English and Spanish.] * Paper, 15c.
L.C. card 72-603591
- 22267 7443. Economic assistance for relief and rehabilitation, agreement between United States and Bangladesh, signed Dacca, May 30, 1972 and amending agreement signed Dacca, June 26, 1972; [entered into force June 26, 1972]. [1972.] [2] + 15 p. * Paper, 25c.
L.C. card 73-600731
- 22268 7448. Mutual defense assistance, agreement between United States and Norway, amending Annex C to agreement of Jan. 27, 1950, effected by exchange of notes, dated Oslo Sept. 12 and 14, 1972; [entered into force Sept. 14, 1972]. [1972.] [2] + 3 p. * Paper, 15c.
L.C. card 73-600730
- 22269 7469. Military training scholarships, deposits under Foreign assistance act of 1971, agreement between United States and Mexico, effected by exchange of notes, dated Mexico Apr. 4 and July 12, 1972; [entered into force July 12, 1972, effective Feb. 7, 1972]. [1972.] [2] + 4 p. [English and Spanish.] * Paper, 15c.
L.C. card 73-600584
- 22270 7470. Committee on water quality in St. John River basin, agreement between United States and Canada, effected by exchange of notes, signed Ottawa Sept. 21, 1972; [entered into force Sept. 21, 1972]. [1972.] [2] + 7 p. [English and French.] * Paper, 15c.
L.C. card 73-600579
- 22271 7476. Social security, agreement between United States and Liechtenstein, effected by exchange of notes signed Bern Apr. 13, 1972, [entered into force Apr. 13, 1972, effected July 1, 1968]. [1972.] [2] + 3 p. * Paper, 15c.
L.C. card 73-600682
- 22272 7478. Settlement of lend lease, reciprocal aid and claims, agreement between United States and Union of Soviet Socialist Republics, signed Washington, Oct. 13, 1972; [entered into force Oct. 13, 1972]. [1972.] [2] + 12 p. [English and Russian.] * Paper, 15c.
L.C. card 73-600847
- 22273 7479. Passenger charter air services, memorandum of understanding between United States and Belgium, signed Brussels Oct. 17, 1972; [entered into force Oct. 17, 1972]. [1972.] [2] + 3 p. * Paper, 15c.
L.C. card 73-600733
- 22274 7481. Naval communications facility on Diego Garcia, agreement between United States and United Kingdom of Great Britain and Northern Ireland, supplementing agreement of Dec. 30, 1966, effected by exchange of notes, signed London, Oct. 24, 1972; [entered into force Oct. 24, 1972]. [1972.] [2] + 21 p. * Paper, 25c.
L.C. card 73-600681
- 22275 7482. Prevention of foot-and-mouth disease and rinderpest, agreement between United States and Panama, effected by exchange of notes, signed Panama June 21 and Oct. 5, 1972, [entered into force Oct. 5, 1972], with co-operative agreement between United States Department of Agriculture and Panamanian Ministry of Agriculture and Livestock, signed La Palma, Province of Darien May 26, 1972. [1972.] [2] + 7 p. [English and Spanish.] * Paper, 15c.
L.C. card 73-600683
- 22276 7484. Air transport services, agreement between United States and Spain, extending provisional agreement of June 28 and 30, 1972, effected by exchange of notes dated Washington Oct. 30, 1972; [entered into force Oct. 30, 1972]. [1972.] [2] + 3 p. [English and Spanish.] * Paper, 15c.
L.C. card 73-600737
- 22277 7499. Trade in wool and man-made fiber textile products, agreement between United States and Republic of Korea, effected by exchange of notes, signed Washington Jan. 4, 1972; [entered into force Jan. 4, 1972, effective Oct. 1, 1971] with related notes, dated Washington, Sept. 20, 1972. [1973.] [2] + 11 p. * Paper, 15c.
L.C. card 73-600815

STATISTICAL REPORTING SERVICE, Agriculture Dept. Washington, DC 20250

- 22278 Cattle, calf crop report, July 1, inventory, all cows, beef cows and milk cows. July 21, 1972. [2] p. 4° (MtAn 2-2 (7-72); Crop Reporting Board.) †
A 92.18/5:972
- 22279 Hogs and pigs, Dec. 1972 (U.S. and 10 corn belt States). Dec. 22, 1972. 29 p. 4° (MtAn 4(12-72); Crop Reporting Board.) † • Item 24-H
A 92.18/7:972-3

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- 22280 Sheep and lambs on feed, 7 selected States. Nov. 1972. 2 p. 4° (MtAn 5-2 (11-72); Crop Reporting Board.) † A 92.18/9: 972-3
- 22281 Stocks of hops, Sept. 1, 1972. Sept. 19, 1972. 1 p. 4° (SpCr 2(9-72); Crop Reporting Board.) † A 92.30: 972-2

TARIFF COMMISSION Washington, DC 20436

- 22282 Radio frequency coils, molded ceramic capacitors, and fixed precision metal film resistors, certain workers of Dubois, Pa., plant of Airco Speer Electronic Components Division of Airco, Inc., report to President on investigation TEA-W-257 under sec. 301(c)(2) of Trade Expansion act of 1962. Dec. 1972. [2]+11+12+A-36 p. 4° (TC publication 524.) † TC 1.2: R 11/3
- 22283 Synthetic organic chemicals, United States production and sales of crude products from petroleum and natural gas (for chemical conversion), 1971, preliminary. Dec. 1972. cover title, [1]+7 p. 4° † TC 1.33/2: P 44/971
- 22284 Tariff schedules of United States annotated (1972), supp. 3. 1972. [128] p. 4° (TC publication 452.) [Issued in looseleaf form.] * Paper, \$11.00 (including supplementary service for an indefinite period); \$2.75 additional for foreign mailing. ● Item 982-B TC 1.35/2: 972/supp.3

TENNESSEE VALLEY AUTHORITY Washington, DC 20444

- 22285 Annual report of Tennessee Valley Authority, for fiscal year ended June 30, 1972. [1973.] L.C. card 35-26123 Y 3.T 25: 1/972/v.1-2
v. 1, Text. vi+96 p. il. † Paper, 45c.
v. 2, Appendixes. 110 p. † Paper, 60c.
- Forestry bulletins. (Division of Forestry, Fisheries, and Wildlife Development, Norris, Tenn.) † Y 3.T 25: 18/(nos.)
- 22286 153. Forest inventory statistics Decatur-Henderson County unit, west Tennessee. [June 1972.] cover title, [3]+18 p. il. 4° [Text and map on p. 2-3 of cover.]
- 22287 154. Forest inventory statistics, Alcorn-Tishomingo County unit, northeast Mississippi. [Aug. 1972.] cover title, [3]+18 p. il. 4° [Text and map on p. 2-3 of cover.]

TRANSPORTATION DEPARTMENT Washington, DC 20590

- 22288 1972 national transportation report, present status, future alternatives. July 1972. cover title, xxvi+437 p. il. 4° * Paper, \$3.25 (S/N 5000-00058). ● Item 982-C-6 TD 1.26: 972
L.C. card 72-603464

TREASURY DEPARTMENT Washington, DC 20220

- 22289 Annual report of Secretary of the Treasury on state of finances for fiscal year 1972. [1972.] xxix+506 p. il. ([Treasury Dept. doc. 3257.]) [Also issued as H. doc. 322, 92d Cong. 2d sess.] * Paper, \$3.50 (S/N 4800-00202). ● Item 923 T 1.1: 972

UNITED STATES POSTAL SERVICE 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, \$3.00 a yr.; 75c. additional for foreign mailing.

- 22290 8c. George Gershwin commemorative stamp (American arts series), issue date Feb. 28, 1973, Beverly Hills, Calif. 1973. 10.5 x 8 in. P 1.26/2: G 32

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[Commemorative stamp posters]—Continued

- 22291 Sc. love, special stamp for someone special, issue date Jan. 26, 1973. Philadelphia, Pa. [1973.] 10.5 x 8 in. P 1.26/2: L 94
- 22292 15c. aerogramme recognizes balloonists, issue date Feb. 10, 1973. Albuquerque, N.M. 1973. 10.5 x 8 in. P 1.26/2: B 21
- 22293 \$1.00 Eugene O'Neill coil stamp, issue date, Jan. 12, 1973, Hempstead, N.Y. 1972. 10.5 x 8 in. P 1.26/2: On 2/2
- 22294 Olympic games commemorative stamps, issue date Aug. 17, 1972. Washington, D.C. 10.5 x 8 in. P 1.26/2: Ol 9/2
- 22295 Postal contracting manual, Dec. 28, 1972. cover title, 13 p. 4° (Publication 41.) [Includes transmittal letter 7. Issued in looseleaf form.] * Paper, \$10.50 (including basic manual and changes for 1 year), \$2.75 additional for foreign mailing. ● Item 838-E P 1.12/6: 971/trans.7

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

- 22296 Study of Japanese travel habits and patterns: v. 1, Results of exploratory study assimilating secondary data and personal interviews with individuals representing organizations of Japanese travel trade; conducted by Karol Gess in conjunction with Gainter International, Inc. Oct. 1972. iii+88 p. il. 4° (Office of Research and Analysis.) * Paper, \$1.50. ● Item 271-A-1 O 47.2: J 27/v.1
- L.C. card 78-600801

VETERANS ADMINISTRATION Washington, DC 20420

- 22297 Bulletin of prosthetics research, BPR 10-17 spring 1972 [with lists of references; William M. Bernstock, editor]. [1972.] iv+290 p. il. (Prosthetic and Sensory Aids Service, Department of Medicine and Surgery.) * Paper, \$1.25 (S/N 5100-0060). ● Item 983-B VA 1.23/3: 10-17
- Manual M (series).
- 22298 29-4. Insurance operations: pt. 4-Q, United States Government life insurance, 1973 regular dividend schedules. Jan. 1, 1973. iii+35 p. 4° (Department of Veterans Benefits.) [Issued with perforations] † ● Item 987 VA 1.18: 29-4/pt.4-Q

WAGE AND HOUR DIVISION, Labor Dept. Washington, DC 20210

- 22299 Employment relationship under Fair labor standards act. Feb. 1973. [2] +9 p. 4° (WH publication 1297 (Rev.).) † ● Item 777 L 36.202: Em 7/2
- 22300 Federal labor laws [looseleaf system containing laws administered by Wage and Hour Division with regulations and interpretations], transmittal 3. [Sept. 19, 1972.] [23] p. 4° * Paper, \$21.50 (including basic book and supplementary material for an indefinite period); \$5.50 additional for foreign mailing. ● Item 778-B L 36.205/2: 971/trans.3

WATER PROGRAMS OFFICE, Environmental Protection Agency Rockville, MD 20852

Pesticide study series. (Applied Technology Division, Rural Wastes Branch.)

- 22301 11. Laws and institutional mechanisms controlling release of pesticides into environment [by Beatrice Hort Holmes and William Dyer Anderson]. [1972.] [8] +iii+140 p. il. 4° [This study is result of an interagency agreement made by OWP as part of Pesticides Study (Sec. 5 (1) (2) P.L. 224) with Economic Research Service of United States Department of Agriculture.] * Paper, \$1.25. ● Item 498-A-1 EP 2.25: 11

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22302 WRC publication list. June 1972. [13] p. narrow 8° †
Y 3.W 29 : 12 P 96/972

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

22303 Brief highlights of major Federal laws and order on sex discrimination.
[Revised July 1, 1972.] [1972.] 4 p. 4° † L 86.102 : Se 9

Legislative series.

22304 2. Education act extends sex discrimination and minimum wage provisions.
[July 1972.] 3 p. 4° † L 86.115 : 2

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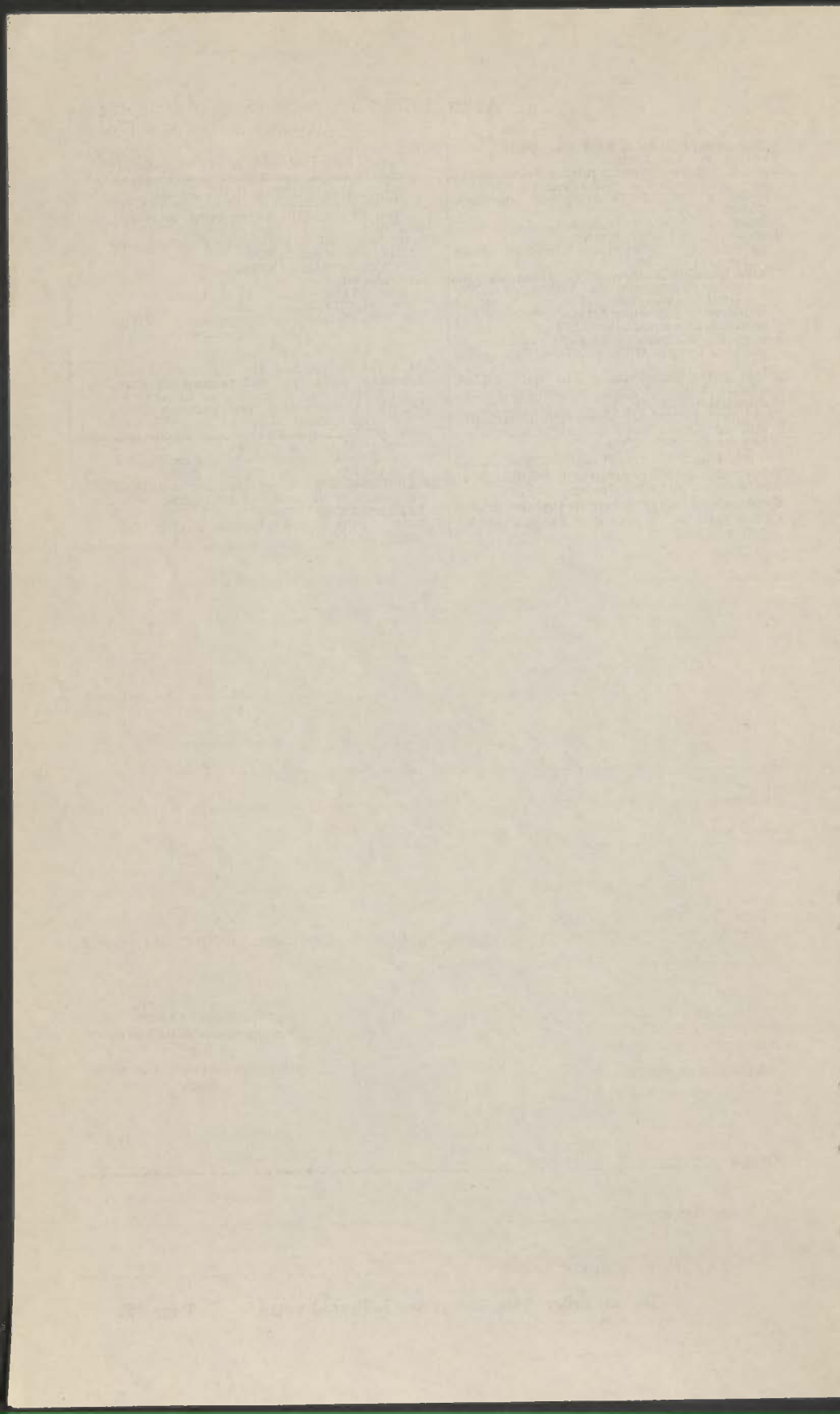
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