

Recent Books of Science

Recent books previously unreviewed in SCIENCE NEWS LETTER are listed under subject headings in this issue. On the regular book review page each week all books received up to the time of going to press are listed.

Aeronautics

- AERO-ENGINE PRACTICE—E. Molloy, ed.—*Chemical Pub. Co.*, 132 p., illus., \$2.50.
- AIR NAVIGATION, Some Problems and Their Solution—M. J. Hearley—*Longmans, Green*, 90 p., \$1.75.
- AIRCRAFT ASSEMBLY—C. F. Marschner—*Pitman*, 104 p., illus., \$1.
- AIRCRAFT CONSTRUCTION—D. Hay Surgeoner—*Longmans, Green*, 116 p., illus., \$1.25.
- AIRCRAFT POWERPLANT MANUAL — G. B. Manly—*Drake*, 759 p., illus., \$4.
- AIRWAYS, The History of Commercial Aviation in the United States—Henry Ladd Smith—*Knopf*, 445 p., \$3.50.
- AVIATION INSTRUMENT MANUAL — *Chemical Pub. Co.*, 396 p., illus., \$5.
- ELEMENTARY AIRCRAFT MATHEMATICS, A Revision Course—J. B. Channon and A. McLeish Smith—*Longmans, Green*, 97 p., 60c.
- ELEMENTARY NAVIGATION FOR AIR TRAINING—C. Barrington Gyford—*Longmans, Green*, 48 p., 40c.
- HYDRAULIC EQUIPMENT—E. Molloy and E. W. Knott, eds.—*Chemical Pub. Co.*, 132 p., illus., \$2.50.
- A MANUAL OF AIRCRAFT DRAFTING—Carl Lars Svensen—*Van Nostrand*, 272 p., illus., \$2.75.
- NAVIGATION OF AIRCRAFT (rev. ed.), 230 p.; AIR PILOTS' DEAD RECKONING TABLES; A Working Supplement to Navigation of Aircraft, 48 p.—Logan C. Ramsey—*Ronald Press*, \$4.50 a set.
- NEEDED — WOMEN IN AVIATION — Dickey Meyer—*McBride*, 219 p., illus., \$2.
- THE NEW ALPHABET OF AVIATION—Edward Shenton—*Macrae-Smith*, illus., \$2.
- STARTERS AND GENERATORS—E. Molloy and E. W. Knott, eds.—*Chemical Pub. Co.*, 124 p., illus., \$2.50.
- THUNDER ALOFT, U. S. Air Power Today . . . Tomorrow—Kent Sagendorph—*Reilly and Lee*, 300 p., \$2.50.
- VICTORY THROUGH AIR POWER—Alexander P. De Seversky—*Simon and Schuster*, 354 p., illus., \$2.50.
- WAR WINGS, Fighting Planes of the American and British Air Forces—David C. Cooke—*McBride*, 206 p., photographic illus., \$2.75.
- WHAT THE CITIZEN SHOULD KNOW ABOUT THE AIR FORCES—Harold E. Hartney—*Norton*, 226 p., \$2.50.
- YOUNG AMERICA'S AVIATION ANNUAL, 1941-1942—Frederick P. Graham and Reginald M. Cleveland, eds.—*McBride*, 242 p., illus., \$2.
- YOUTH MUST FLY, Gliding and Soaring for America—E. F. McDonald, Jr.—*Harper*, 221 p., illus., \$2.50.

Agriculture, Horticulture

- A BIBLIOGRAPHY OF THE AGRICULTURE OF THE AMERICAN INDIANS—Everett E. Edwards and Wayne D. Rasmussen, comps. — *Govt. Print. Off.*, 107 p., 15c.

- FARM MORTGAGE CREDIT FACILITIES IN THE UNITED STATES—Donald C. Horton, Harold C. Larsen and Norman J. Wall—*Govt. Print. Off.*, 262 p., 55c.
- FLORICULTURE, Fundamentals and Practices—Alex Laurie and Victor H. Ries—*McGraw-Hill*, 496 p., illus., \$4.
- THE FOOD GARDEN—Edna Blair—*Macmillan*, 147 p., illus., by Laurence Blair, \$2.
- GARDEN EASILY! Selected Plants for Easy Gardening and Ideas for Their Arrangement—H. K. Morse—*Scribner's*, 208 p., \$2.50.
- GARDENING—Without Bunk—Sam J. Boal—*Putnam's*, 145 p., \$1.75.
- HOW TO GROW FOOD FOR YOUR FAMILY — Samuel R. Ogden—*Barnes*, 139 p., illus., \$2.
- IMPROVED MILK GOATS, A Guide for Breeders, Dairymen and Exhibitors—Will L. TeWalt—*Orange Judd*, 145 p., illus., \$1.50.
- METHODS OF PLANT BREEDING—Herbert Kendall Hayes and Forrest Rhinehart Immer — *McGraw-Hill*, 432 p., illus., \$4.
- PROGAGATION OF PLANTS (rev. and enl.)—M. G. Kains and L. M. McQuesten—*Orange Judd*, 639 p., illus., \$3.50.
- SEEDING AND PLANTING IN THE PRACTICE OF FORESTRY (new ed.)—James W. Toumey and C. F. Korstian—*Wiley*, 520 p., illus., \$5.

Anthropology

- ANASAZI BASKETRY, Basket Maker II Through Pueblo III, A Study Based on Specimens from the San Juan River Country—Earl H. Mossier and Robert F. Burgh—*Carnegie Institution of Washington*, 66 p., 43 pl., paper \$1.50; cloth, \$2.50.
- CULTURE ELEMENT DISTRIBUTIONS: XVIII, UTE-SOUTHERN PAIUTE—Omer C. Stewart—*Univ. of Calif. Press*, 125 p., \$1.25. CULTURE ELEMENT DISTRIBUTIONS: XIX, CENTRAL CALIFORNIA COAST—John P. Harrington—*Univ. of Calif. Press*, 46 p., 50c.
- KINSHIP SYSTEM OF THE SEMINOLE—Alexander Spoehr—*Field Museum of Natural History*, 113 p., 50c.
- THE MAYAWYAW RITUAL; 5, Go-Betweens and Priests—Francis Lambrecht—*Catholic Anthropological Conference, Catholic Univ. of America*, 41 p., \$1.
- PRINCIPLES OF ANTHROPOLOGY—Eliot Dismore Chapple and Carleton Stevens Coon — *Holt*, 718 p., \$3.75.
- THE PUEBLOS, A Camera Chronicle — Laura Gilpin—*Hastings House*, illus., \$3.
- THE SOCIAL ORGANIZATION OF THE WESTERN APACHE—Grenville Goodwin—*Univ. of Chicago Press*, 701 p., \$4.50.

Astronomy

- ANNALS OF THE ASTROPHYSICAL OBSERVATORY OF THE SMITHSONIAN INSTITUTION, Vol. 6—C. G. Abbot, L. B. Aldrich and W. H. Hoover—*Smithsonian Institution*, 207 p., illus., \$2.65.
- THE STARS IN MYTH AND FACT — Oral E. Scott—*Caxton*, 347 p., illus., \$3.

Biology

- BIOLOGY FOR BETTER LIVING—Ernest E. Bayles and R. Will Burnett—*Silver Burdett*, 754 p., illus., \$2.28.

- EXPERIENCES IN LIFE SCIENCE—Edna Craig and George K. Stone—*Macmillan*, 186 p., illus., 88c.
- GENERAL BIOLOGY FOR COLLEGES—Gairdner B. Moment—*Appleton-Century*, 661 p., illus., \$4.
- IMMUNITY AGAINST ANIMAL PARASITES — James T. Culbertson—*Columbia University Press*, 274 p., \$3.50.
- AN INTRODUCTION TO BIOLOGY—J. C. Cross—*Mosby*, 507 p., illus., \$1.90.
- LABORATORY EXERCISES IN GENERAL BIOLOGY — James W. Mavor—*Macmillan*, 305 p., illus., \$2.50.

Botany

- DESERT WILD FLOWERS (rev. ed.)—Edmund C. Jaeger—*Stanford Univ. Press*, 322 p., illus., \$3.50.
- FLOWERS, FRUITS, SEEDS—Bertha M. Parker—*Row, Peterson*, 35 p., colored illus. 28c.
- OUR SHADE TREES (2d ed.)—Ephraim Porter Felt—*Orange Judd*, 316 p., illus., \$2.
- PLANT FAMILIES, How to Know Them—H. E. Jacques—*Published by Author, Mt. Pleasant, Iowa*, 174 p., illus., \$1.50 spiral; \$2.50 cloth.
- PRACTICAL PLANT ANATOMY — Adriance S. Foster—*Van Nostrand*, 155 p., \$2.50.

Chemistry

- A. C. S. ANALYTICAL REAGENTS, Specifications Recommended by the Committee on Analytical Reagents of the American Chemical Society — *American Chemical Society*, 132 p., \$1.
- ANHYDROUS ALUMINUM CHLORIDE IN ORGANIC CHEMISTRY—Charles Allen Thomas, Mary B. Moshier, Herbert E. Morris and Ross W. Moshier—*Reinhold*, 972 p., \$15. (*American Chemical Society Monograph Series*, no. 87).
- CHEMICAL DICTIONARY — F. H. Campbell, comp.—*Chemical Pub. Co.*, 85 p., \$2.50.
- CHEMICAL ENGINEERING FOR PRODUCTION SUPERVISION — David E. Pierce — *McGraw-Hill*, 232 p., illus., \$2.50.
- COMPARATIVE BIOCHEMISTRY. INTERMEDIATE METABOLISM OF FATS. CARBOHYDRATE METABOLISM. BIOCHEMISTRY OF CHOLINE — Howard B. Lewis, ed.—*Jaques Cattell Press*, 247 p., \$3.
- EXPERIMENTAL PHYSICAL CHEMISTRY—W. G. Palmer—*Cambridge (Macmillan)*, 321 p., \$2.75.
- HOW TO SOLVE PROBLEMS IN QUANTITATIVE ANALYSIS—Saul B. Arenson — *Crowell*, 89 p., 75c.
- INTRODUCTION TO CHEMICAL THERMODYNAMICS—Luke E. Steiner—*McGraw-Hill*, 516 p., \$4.
- INTRODUCTORY ORGANIC CHEMISTRY With Certain Chapters of Biochemistry—E. Wertheim—*Blakiston*, 482 p., illus., \$3.
- A SIMPLIFIED SYSTEM OF ORGANIC IDENTIFICATION—J. L. B. Smith—*Chemical Pub. Co.*, 48 p., \$1.50.

Economics, Social Science

- THE ANALYSIS OF ECONOMIC TIME SERIES — H. T. Davis—*Principia Press*, 620 p., \$5.
- BRITISH UNEMPLOYMENT PROGRAMS, 1920-1928—Eveline M. Burns—*Social Science Research Council*, 385 p., \$2.75.
- CHANGES IN ASSETS AND LIABILITIES OF FAMILIES, Five Regions—Dorothy S. Brady and others—*Govt. Print. Off.*, 226 p., 25c. (U. S. Dept. of Agr., Pub. No. 464).

CRIMINOLOGY, A Scientific Study of the Modern Crime Problem—Eligius Weir—*Institute for the Scientific Study of Crime*, 329 p., \$3.

DEVELOPMENT OF RESOURCES AND STABILIZATION OF EMPLOYMENT IN THE UNITED STATES—U. S. National Resources Planning Board, 409 p., \$1.20.

ELEMENTS OF POLICE SCIENCE—Rollin M. Perkins—*Foundation Press*, 651 p., illus., \$4.75.

INDUSTRIALIZATION OF THE WESTERN PACIFIC—Kate L. Mitchell—*Institute of Pacific Relations*, 322 p., \$2.50 (An Economic Survey of the Pacific Area, Part III).

LAND, LABOR, AND WEALTH, A Handbook of Economic Terms—Ellen Winsor and Rebecca Winsor Evans, comps.—*Caxton*, 117 p., \$2.

LONG-RANGE PROGRAMMING OF MUNICIPAL WORKS—U. S. National Resources Planning Board—*Govt. Print. Off.*, 72 p., 30c.

MANAGEMENT IN FAMILY LIVING—Paulena Nickell and Jean Muir Dorsey—*Wiley*, 477 p., \$3.

NATIONAL RESOURCES DEVELOPMENT REPORT FOR 1942, Jan. 1942—U. S. National Resources Planning Board—*Govt. Print. Off.*, 227 p., 55c.

OCCUPATIONAL MOBILITY, Democratic Efficiency Through the Use of Human Resources—Omar Pancoast, Jr.—*Columbia Univ. Press*, 155 p., \$1.75.

OUTPOSTS OF DEFENSE—William H. Hass—*Univ. of Chicago Press*, 81 p., 50c.

POSTWAR PLANNING IN THE UNITED STATES—George B. Galloway—*Twentieth Century Fund*, 158 p., 60c.

RAMPARTS OF THE PACIFIC—Hallett Abend—*Doubleday, Doran*, 332 p., \$3.50.

RUSSIA'S ECONOMIC FRONT FOR WAR AND PEACE, An Appraisal of the Three Five-Year Plans—A. Yugow—*Harper*, 279 p., \$3.

SELLING HOME FURNISHINGS, A Training Program—Roscoe R. Rau and Walter F. Shaw—*Govt. Print. Off.*, 275 p., illus., 45c.

SOCIAL SECURITY YEARBOOK, 1940—Federal Security Agency, Social Security Board—*For sale by Supt. of Documents*, 347 p., 70c.

Education

AMERICANS ALL, Studies in Intercultural Education—*Natl. Education Assn.*, 385 p., \$2. Sponsored by the Dept. of Supervisors and Directors of Instruction of the Natl. Education Assn., Natl. Council of Teachers of English and Soc. for Curriculum Study.

AUDIO-VISUAL AND TEACHING AIDS ON LATIN AMERICA, Pan-American, Supplement 1942—Lili Heimers, comp.—*Visual Aids Service, New Jersey State Teachers College, Upper Montclair, N. J.*, 22 p., 50c.

OPINION CONFLICT AND SCHOOL SUPPORT—Frederick T. Rope—*Teachers College, Columbia University*, 164 p., \$2.

Electrical Engineering

DICTIONARY OF RADIO AND TELEVISION TERMS—Ralph Stranger—*Chemical Pub. Co.*, 252 p., \$2.50.

GETTING ACQUAINTED WITH ELECTRICITY—Alfred Morgan—*Appleton-Century*, 346 p., illus., \$3.

ILLUMINATING ENGINEERING NOMENCLATURE AND PHOTOMETRIC STANDARDS—*Illuminating Engineering Society*, 42 p., 25c.

THE RADIO AMATEUR'S HANDBOOK, Special Defense Edition, 1942—Headquarters Staff of

the American Radio Relay League—*American Radio Relay League*, 288 p., illus., \$1.

Engineering

AMERICAN BRIDGES AND DAMS—Paul Zucker—*Greystone Press*, 15 p., 48 pl., \$1.75.

ENGINEERING AS A CAREER, A Message to Young Men, Teachers and Parents—*Engineers' Council for Professional Development*, 36 p., 10c.

GRINDER Job Training Units, 111 p., illus., \$1.25; BENCH WORK UNIT, 155 p., illus., \$1.35; LATHE, Job Training Units, 143 p., illus., \$1.35; INSTRUCTOR'S GUIDE, All Units for Lathe, Drill Press, Milling Machine, Grinder, Shaper and Planer, and Bench Work, 39 p., 75c.—*American Technical Society*. (Dunwoody Series Machine Shop Training Jobs).

HEATING, VENTILATING, AIR CONDITIONING GUIDE 1942—*American Society of Heating and Ventilating Engineers*, 1251 p., \$5.

INSPECTION OF METALS—Harry B. Pulsifer—*American Society of Metals*, 180 p., illus., paper \$1; cloth \$1.50.

AN INTRODUCTION TO SHIPBUILDING—Shipbuilding Division, Bethlehem Steel Co.—*Govt. Print. Off.*, 67 p., illus., 20c.

JOB IN THE MACHINE SHOP—Ernest L. Bowman—*Science Research Associates*, 48 p., illus., 60c.

MACHINE SHOP WORK—John T. Shuman and others—*American Technical Society*, 499 p., illus., \$3.50.

PREVENTING FATAL EXPLOSIONS IN COAL MINES—Edward A. Wieck—*Russell Sage Foundation*, 156 p., 75c.

PUBLIC WORKS ENGINEERS' YEARBOOK, 1942—*American Public Works Assn.*, 387 p., \$3.50.

General Science

APPLIED SCIENCE—Charles Wilbur Banks—*Wiley*, 212 p., \$1.75.

THE BOOK OF KNOWLEDGE ANNUAL 1942—E. V. McLoughlin, ed.—*Grolier Society*, 464 p., illus., \$8.50-\$10.

THE DEVELOPMENT OF RATIONALISM AND EMPIRICISM—George de Santillana and Edgar Zilsel—*Univ. of Chicago Press*, 94 p., \$1. (International Encyclopedia of Unified Science, Vol. II, No. 8).

ENJOYMENT OF SCIENCE—Jonathan Norton Leonard—*Doubleday, Doran*, 327 p., \$2.50.

THE NEW INTERNATIONAL YEAR BOOK, 1941—Charles Earle Fund, editor; Ronald Stuart Kain, Mamie Harmon, associate editors—*Funk & Wagnalls*, 766 p., illus., \$4.25.

PAPERS OF THE MICHIGAN ACADEMY OF SCIENCE, ARTS AND LETTERS (Vol. XXVIII, 1941)—Eugene S. McCartney and William C. Steere—*Univ. of Mich. Press*, 713 p., illus., \$5.

RESEARCH—A NATIONAL RESOURCE, II—Industrial Research—National Resources Planning Board—*Govt. Print. Off.*, 369 p., \$1.

SCIENCE AND MAN—Ruth Nanda Anshen, ed.—*Harcourt, Brace*, 494 p., \$4.

SCIENCE EDUCATION IN CONSUMER BUYING—George L. Bush—*Teachers College, Columbia University*, 228 p., \$2.35.

THE SCIENTIFIC ATTITUDE—C. H. Waddington—*Penguin*, 128 p., 25c.

TEACHER'S GUIDEBOOK FOR SCIENCE PROBLEMS, Book 3—Wilbur L. Beauchamp, John C. Mayfield and Joe Young West—*Scott, Foresman*, 298 p., 32c.

Geography

ARGENTINA—Laszlo Fodor, ed.—*Hastings House*, 75 p., illus., \$1.75.

HAMMOND'S HOME AND OFFICE ATLAS OF THE WORLD—C. S. Hammond & Co., Inc., 176 p. (100 colored maps), \$3.

PACIFIC BATTLE MAP—Ernest Dudley Chase—*Published by the Cartographer, 1000 Washington St., Boston, Mass.*, 50c.

PHYSICAL GEOGRAPHY—Albert L. Seeman—*Prentice-Hall*, 437 p., illus., \$3.50.

RICO, The Young Rancher—Patricia Crew Fleming—64 p.; SKY HIGH IN BOLIVIA—Ruth Cady Adams—64 p.; CHILDREN OF MEXICO—Dorothy Childs Hogner—64 p.; RICHES OF CENTRAL AMERICA—V. Wolfgang Von Hagen—64 p.; AROUND THE YEAR IN ICELAND—Elizabeth Yates—64 p.; SIX GREAT MEN OF BRAZIL—Vera Kelsey—63 p.; OOTAH AND HIS PUPPY—Marie Ahnighito Peary—64 p.; UP CANADA WAY—Helen Dickson—64 p., illus. in color, 40c each, *Heath*.

Geology

ADVENTURES IN SCENERY, A POPULAR READER OF CALIFORNIA GEOLOGY—Daniel E. Willard—*Jaques Cattell Press*, 438 p., illus., \$3.75.

FAUNAL CONTENT OF THE MARYVILLE FORMATION—Charles E. Resser—*Smithsonian Inst.*, 8 p., 5c.

INTERPRETATION OF GEOLOGIC MAPS AND AERIAL PHOTOGRAPHS—A. J. Eardley—*Published by Author, Dept. of Geology, Univ. of Mich., Ann Arbor, Mich.*—99 p., illus., \$1.50.

SO THAT'S GEOLOGY!—R. Ray Baker—*Reilly & Lee*, 128 p., illus., \$1.

STRATIGRAPHIC TYPE OIL FIELDS—A. I. Levorsen, ed.—*Amer. Assn. of Petroleum Geologists*, 902 p., diagrams, map, \$5.50.

Mathematics

CALCULUS—Alfred L. Nelson, Karl W. Folley and William M. Borgman—*Heath*, 356 p., \$2.75.

ESSENTIALS OF TRIGONOMETRY With Applications—David Raymond Curtiss and Elton James Moulton, 94 p.; HEATH'S LOGARITHMIC AND TRIGONOMETRIC TABLES (Rev. ed.)—Earnest Jackson Oglesby, 94 p., *Heath*, \$2.25. (Bound together).

THE LAPLACE TRANSFORM—David Vernon Widder—*Princeton Univ. Press*, 406 p., \$6.

MATHEMATICS FOR THE AVIATION TRADES—James Naidich—*McGraw-Hill*, 267 p., \$1.80.

MATHEMATICS IN AGRICULTURE—R. V. McGee—*Prentice-Hall*, 189 p., Trade, \$4; School, \$3.

OPERATIONAL METHODS IN APPLIED MATHEMATICS—H. S. Carslaw and J. C. Jaeger—*Oxford Univ. Press*, 264 p., \$5.

TO DISCOVER MATHEMATICS—Gaylord M. Merriam—*Wiley*, 435 p., \$3.

Medicine

COMMUNICABLE DISEASE NURSING—Theresa I. Lynch—*Mosby*, 678 p., illus., \$3.75.

CONTROLLED FERTILITY, An Evaluation of Clinic Service—Regine K. Stix and Frank W. Notestein—*Williams and Wilkins*, 201 p., \$3.

DIAGNOSTIC SIGNS, REFLEXES AND SYNDROMES. Standardized (2d. ed., rev.)—Wil-

- liam Egbert Robertson and Harold F. Robertson—*Davis*, 327 p., \$3.50.
- DOCTORS ANONYMOUS, The Story of Laboratory Medicine—William McKee German—*Duell, Sloan and Pearce*, 300 p., \$2.75.
- FIRST AID PRIMER—Hermann Leslie Wenger and Eleanora Sense—*Barrows*, 104 p., illus., \$1.
- LAMPS ON THE PRAIRIE, A History of Nursing in Kansas—Compiled by the Writers' Program of the Work Projects Administration in the State of Kansas—*Kansas State Nurses' Assn.*, 292 p., illus., \$3.
- A MANUAL OF ENDOCRINE THERAPY — Bernard L. Cinberg—*Chemical Pub. Co.*, 178 p., \$3.25.
- THE MAYOS, Pioneers in Medicine — Adolph Regli—*Messner*, 248 p., \$2.50.
- OUR SEX LIFE, A Guide and Counsellor for Everyone (2d. ed.) — Fritz Kahn — *Knopf*, 459 p., \$5.75.
- PREPAYMENT PLANS FOR MEDICAL CARE — Franz Goldmann, 60 p.; ORGANIZATION AND ADMINISTRATION OF GROUP MEDICAL PRACTICE—Dean A. Clark, and Katherine D. Clark, 109 p.; BUSINESS PROCEDURES—Perry R. Taylor, 109 p.—*Edward A. Filene Good Will Fund, Boston*, 25c each; 10 to 30 copies, 20c each; over 30 copies, 16c each.
- THE PUBLIC HEALTH NURSE IN ACTION — Marguerite Wales—*Macmillan*, 437 p., \$2.75.
- SYNOPSIS OF APPLIED PATHOLOGICAL CHEMISTRY—Jerome E. Andes and A. G. Eaton—*Mosby*, 428 p., illus., \$4.
- TEACHING PREVENTIVE MEDICINE TO MEDICAL STUDENTS, With Special Reference to the Use of Health Department Facilities—Hugh R. Leavell—*Commonwealth Fund*, 77 p., 25c.

Military Science, Defense

- HANDBOOK OF CIVILIAN PROTECTION—Louis L. Snyder, ed.—*Whittlesey House*, 184 p., illus., \$1.25.
- INSTRUCTOR'S GUIDE BOOK FOR TRAINING DRIVERS FOR CIVILIAN DEFENSE — Traffic Engineering & Safety Dept., American Automobile Association—*Available only through local A. A. A. Motor Club*, 123 p.
- PLANNING THE WAR—Clive Garcia—*Penguin*, 151 p., 25c
- SWORD OF FREEDOM, The Story of the United States Army—Charles W. Campbell—*Electrographic Corporation*, illus., 50c.
- WHAT THE CITIZEN SHOULD KNOW ABOUT MODERN WAR—Fletcher Pratt—*Norton*, 184 p., illus., \$2.50.
- WHAT THE CITIZEN SHOULD KNOW ABOUT THE ARMY ENGINEERS—Paul W. Thompson—*Norton*, 210 p., \$2.50.

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- YOUR CAREER IN DEFENSE—Shelby Cullom Davis—*Harper*, 311 p., \$2.

Miscellaneous

- ADVENTURES IN CONVERSATIONAL SPANISH—O. S. Bandy and Luis Avilés Pérez—*Turner E. Smith*, 207 p., illus., \$1.60.
- AMERICAN CONSERVATION IN PICTURE AND IN STORY—Ovid Butler, comp. and ed.—*American Forestry Assn.*, 160 p., illus., \$2.50.
- THE ART OF GEM CUTTING (2d ed.)—Fred S. Young—*Mineralogist Pub. Co.*, 112 p., illus., \$2.
- DU PONT, One Hundred and Forty Years—William S. Dutton—*Scribner*, 396 p., \$3.
- FRESH WATER FISHING, A Fisherman's Manual—Myron E. Shoemaker—*Doubleday, Doran*, 218 p., illus., \$3.
- THE GOLDEN FLOOD, An Informal History of America's First Oil Field—Herbert Asbury—*Knopf*, 329 p., \$3.50.
- NAVIGATION FOR MARINERS AND AVIATORS—David Polowe—*Cornell Maritime Press*, 516 p., \$5.
- OCCUPATIONS IN RUBBER—Charles W. Ufford—*Science Research Associates*, 48 p., illus., 50c.
- ORNITHOLOGISTS OF THE UNITED STATES ARMY MEDICAL CORPS—Edgar Erskine Hume—*Johns Hopkins Press*, 583 p., illus., \$5.
- OUTWITTING THE HAZARDS, Youth Attacks the Accident Problem—Francis L. Bacon—*Silver Burdett*, 446 p., illus., \$1.80.
- A PILOT'S METEOROLOGY—Charles Graham Halpine—*Van Nostrand*, 220 p., illus., 3 folded maps, \$2.50.
- THE QUANTITY OF VAPOROUS WATER IN THE ATMOSPHERE—C. G. Abbot—*Smithsonian Inst.*, 7 p., 5c. (Smithsonian Misc. Coll., Vol. 101, No. 12.)

Photography

- ELEMENTS OF PHOTOGRAMMETRY—George D. Whitmore—*International Textbook Co.*, 136 p., illus., \$1.75.
- KODACHROME, A Data Book on Photography in Color—*Eastman Kodak Company*, 52 p., illus., 25c.
- PHOTOGRAPHY, Its Science and Practice—John R. Roebuck and Henry C. Staehle — *Appleton-Century*, 283 p., illus., \$5.

Physics

- COLLEGE PHYSICS—A Wilmer Duff and Morton Masius—*Longmans, Green*, 588 p., diagrams, \$3.80.
- SYMPOSIUM ON NEW METHODS FOR PARTICLE SIZE DETERMINATION IN THE SUBSIEVE RANGE—*American Society for Testing Materials*, 111 p., illus., \$1.25.
- TEMPERATURE MEASUREMENT AND CONTROL—Robert L. Weber—*Blakiston*, 430 p., illus., \$4.

Physiology, Health

- ANATOMY OF THE NERVOUS SYSTEM—Olof Larsell — *Appleton-Century*, 443 p., illus., \$6.50.
- FAMILY FOOD CONSUMPTION AND DIETARY LEVELS, Five Regions—Hazel K. Stiebeling and others—*Govt. Print. Off.*, 268 p., 30c.
- FOOD AND BEVERAGE ANALYSES (2d ed.)—Milton Arlanden Bridges and Marjorie R. Mattice—*Lea & Febiger*, 344 p., \$4.
- FOOD FOR THOUGHT, The School's Responsi-

- bility in Nutrition Education—U. S. Office of Education—*Govt. Print. Off.*, 32 p., illus., 15c. (Education and National Defense Series Pamphlet No. 22.)

- HEALTH IN SCHOOLS (20th yearbook)—American Association of School Administrators—*National Education Association of the U. S.*, 544 p., illus., \$2.
- THE HEARING OF SCHOOL CHILDREN, A Statistical Study of Audiometric and Clinical Records—Antonio Ciocco and Carroll E. Palmer—*Society for Research in Child Development, National Research Council*, 77 p., \$1.
- HOW TO ORGANIZE GROUP HEALTH PLANS—Martin W. Brown, Katharine G. Clark and Perry R. Taylor—*Edward A. Filene Good Will Fund*, 72 p., 25c.
- LABORATORY MANUAL IN ANATOMY AND PHYSIOLOGY—Caroline E. Stackpole and Lutie C. Leavell—*Macmillan*, 214 p., \$1.50.
- SMOKE ABATEMENT, What Has Been Done and Is Being Done Today to Abate This Nuisance—L. Vernon Briggs—*Old Corner Book Store Inc., 50 Bromfield Street, Boston, Mass.*, 175 p., \$2.50.
- THE VALUE OF HEALTH TO A CITY, Two Lectures Delivered in 1873—Max Von Pettenkofer; Henry E. Sigerist, trans.—*Johns Hopkins Press*, 52 p., \$1.

Political Science

- ADMINISTRATIVE REGULATION OF PRIVATE ENTERPRISE—John Perry Horlacher, ed.—*American Academy of Political and Social Science*, 191 p., \$2 paper; \$2.50 cloth.
- AMERICA IN THE NEW PACIFIC—George E. Taylor—*Macmillan*, 160 p., \$1.50.
- AMERICA ORGANIZES TO WIN THE WAR, A Handbook on the American War Effort—President Roosevelt and others—*Harcourt, Brace*, 395 p., \$2.
- AMERICA'S STRATEGY IN WORLD POLITICS, The United States and the Balance of Power—Nicholas John Spykman—*Harcourt, Brace*, 500 p., \$3.75.
- THE GOOD INHERITANCE, The Democratic Chance—Norman Cousins—*Coward-McCann*, 318 p., \$3.
- OUR FEDERAL GOVERNMENT, And How It Functions (2d ed.)—Writers' Program of the Work Projects Administration in the District of Columbia—*Hastings House*, 272 p., \$2.50.
- YOUR FOREIGN POLICY: How, What, and Why—Robert Aura Smith—*Viking*, 280 p., \$2.75.

Psychology, Psychiatry

- THE ANALYSIS OF KNOWLEDGE—Ledger Wood—*Princeton Univ. Press*, 263 p., \$3.
- CORRECTIVE TREATMENT FOR UNADJUSTED CHILDREN—Nahum E. Shoos and George Goldberg—*Harper*, 240 p., \$3.
- FOUNDATIONS FOR A SCIENCE OF PERSONALITY—Andras Angyal—*Commonwealth Fund*, 398 p., \$2.25.
- FRUSTRATION AND REGRESSION: An Experiment with Young Children—Roger Barker, Tamara Dembo and Kurt Lewin—*University of Iowa*, 314 p., \$1.35 paper, \$1.70 cloth.
- SOCIAL LEARNING AND IMITATION—Neal E. E. Miller and John Dollard—*Yale Univ. Press*, 341 p., \$3.50.
- THE USE OF PERSONAL DOCUMENTS IN PSYCHOLOGICAL SCIENCE—Gordon W. Allport—*Social Science Research Council*, 210 p., \$1.50.
- YOUR PERSONALITY—Introvert or Extravert?—Virginia Case—*Macmillan*, 277 p., \$2.50.

Zoology

AMPHIPOD CRUSTACEANS COLLECTED ON THE PRESIDENTIAL CRUISE OF 1938—Clarence R. Shoemaker—*Smithsonian Institution*, 52 p., illus., 30c. (Smithsonian Miscellaneous Collections, Vol. 101, no. 11.)

BEEES OF THE FAMILY HYLAEIDAE FROM THE ETHIOPIAN REGION—T. D. A. Cockerell—*Smithsonian Institution*, 15 p., 10c. (Smithsonian Miscellaneous Collections, Vol. 101, No. 8.)

BETLES OF THE GENUS *HYPERASPIS* INHABITING THE UNITED STATES—Th. Dobzhansky—*Smithsonian Institution*, 93 p., illus., 35c. (Miscellaneous Collections, Vol. 101, No. 6.)

A CONTRIBUTION TOWARD A BIBLIOGRAPHY ON NORTH AMERICAN FUR ANIMALS—Lee E. Yeager—*Illinois Natural History Survey*—208 mimeographed p., 50c.

DEVESCOVINID FLAGELLATES OF TERMITES, II: The Genera *Caduceia* and *Macrotrichomonas*—Harold Kirby—*Univ. of Calif. Press*, 72 p., 22 pl., \$1.

THE FORAMINIFERA OF THE TROPICAL PACIFIC COLLECTIONS OF THE "ALBATROSS," 1899-1900, Part 3—Heterohelicidae and Buliminidae—Joseph Augustine Cushman—*Govt. Print. Off.*, 67 p., 15 pl., 20c. (U. S. National Museum, Bull. 161.)

NOTES OF SOME AMERICAN FRESH-WATER AMPHIPOD CRUSTACEANS AND DESCRIPTIONS OF A NEW GENUS AND TWO NEW SPECIES—Clarence R. Shoemaker—*Smithsonian Institution*, 30 p., illus., 20c. (Smithsonian Miscellaneous Collections, Vol. 101, No. 9.)

TWENTY LITTLE FISHES—Ida M. Mellen—*Messner*, 53 p., illus., \$2.

Science News Letter, May 23, 1942

the fifth scholarship rating was awarded to Minna Schaffer for a demonstration of "New Plastics." In addition to the scholarship rating Catherine Mulroy was awarded a scholarship to Hartwick College, Oneonta, N. Y.

ONEONTA, N. Y.—More than 300 visitors were attracted to the Science Congress, sponsored by the Oneonta Science Center and the Chem Squad of the Oneonta High School. The grand prize, \$15 in war stamps, was won by Margaret White of Walton for a demonstration of "Surface Films." Stewart Brooks of Sidney won the \$200 scholarship to Hamilton College. Catherine Mulroy of Brooklyn, won the Hartwick College Scholarship. Beverly Nichols of Oneonta High School received the scholarship for Elmira College.

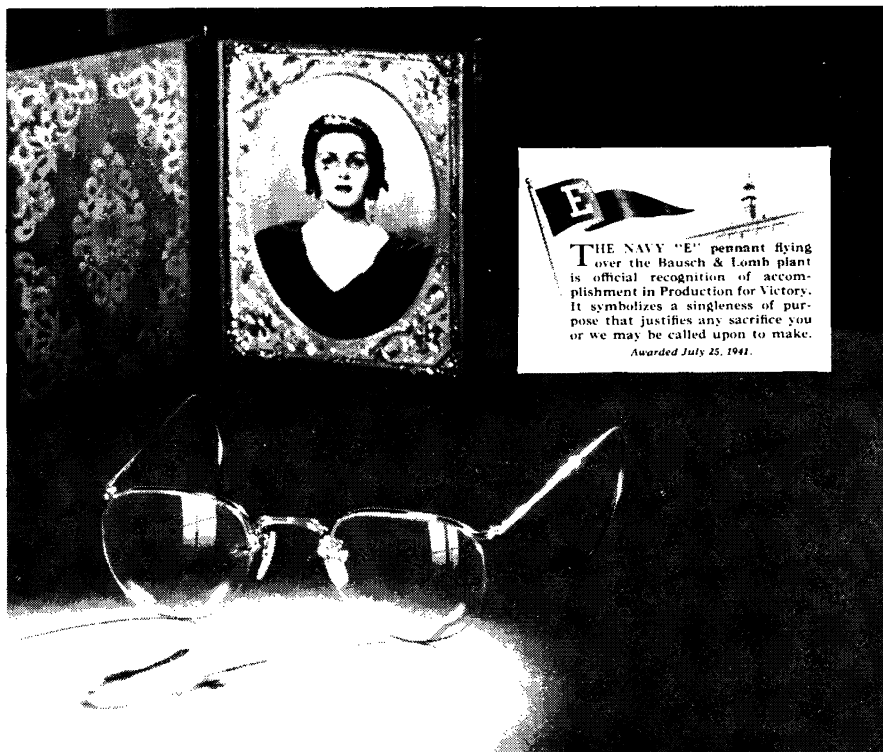
The New York State Science Teachers Association will sponsor a state-wide scholarship competition at Cornell University in July. The Misses Mulroy, Dumont, Schaffer and Nichols (mentioned in the previous reports) and Arnold Flack of Oneonta High School will compete

with others for the honors at this state-wide congress.

BALTIMORE, Md. — Specimens of various types of ores, metals and gems occurring in Maryland and utilization of these minerals in commercial and industrial work is the subject of one of the exhibits of the Maryland Junior Science Fair being held from May 17 to May 28 at the Maryland Academy of Sciences. The mineral exhibit was entered by a student of the Hamilton Junior High School. Also to be shown is a chemical Formulator which by means of electrical contacts indicates the correct formulas of chemicals. Dr. William G. Camp directs the activities of the Maryland Science Center.

Science News Letter, May 23, 1942

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WASHINGTON, D. C.—Since May 15 thousands of graduating high school pupils have been taking the first nation-wide examination ever held. It is being administered at their own schools for the more than \$12,000 in scholarships and all-expense trips to Washington, D. C. These prizes will be awarded to outstanding high school seniors who come out best in the First Annual Talent Search conducted by Science Clubs of America and sponsored by Science Service of Washington, D. C. This Talent Search, made possible by a grant from the Westinghouse Electric & Manufacturing Company, is designed expressly for the purpose of discovering outstanding qualifications of leadership among students who are desirous of furthering their scientific studies. It closes midnight June 1. Forty boys and girls will be invited to Washington for July 13, 14 and 15 and there the final selection will be made. Eighteen students will receive \$200 each toward expenses in any college of their own choice. One boy and one girl will receive \$2,400 each (\$600 a year for the four years of college study).

BROOKLYN, N. Y.—After capturing three out of a possible five scholarship ratings at the Oneonta Science Congress, Oneonta, N. Y., members of the Chem Squad returned to their classes at Girls Commercial High School, Brooklyn, N. Y. (Scholarship ratings are for a state-wide convention to be held at Cornell University where more scholarships will be awarded.) Accompanied by their sponsor, Mildred Erxmeyer, fourteen girls made the trip to the Oneonta (N. Y.) Science Congress. The first scholarship rating was awarded to Catherine Mulroy, of Girls Commercial High School, Brooklyn, for a demonstration of "Plastics for Defense". Second scholarship rating went to Audrey Dumont for "Development of Polystyrene" and

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