

Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

BIOGRAPHICAL MEMOIRS—National Academy of Sciences—*National Academy of Sciences—Columbia University Press*, Vol. 28, 311 p., illus., paper, \$4.00. Biographies of outstanding scientists by members of the National Academy of Sciences.

THE CLASSIFICATION OF FIRE HAZARDS AND EXTINCTION METHODS—James D. Birchall—*Ernest Benn Ltd.—John de Graff*, 97 p., paper, \$1.50. The development of new materials with the expansion of industry has resulted in an enormous increase in the complexity of the science of fire protection and prevention.

CLAY FIGURINES OF THE AMERICAN SOUTHWEST: With a Description of the New Pillings Find in Northeastern Utah and a Comparison With Certain Other North American Figurines—Noel Morss—*Peabody Museum of American Archaeology and Ethnology*, Papers, Vol. 49, No. 1, 114 p., illus., paper, \$3.50.

AN ENGINEERING STUDY OF THE SOUTHERN CALIFORNIA EARTHQUAKE OF JULY 21, 1952 AND ITS AFTERSHOCKS—Karl V. Steinbrugge and Donald F. Moran—*Seismological Society of America*, Bulletin Vol. 44, No. 2B, 260 p., illus., paper, \$2.00. A study of the performance of man-made structures when subjected to earthquake shocks.

THE EXPLORATION OF SPACE—Arthur C. Clarke—*Pocket Books*, 210 p., illus., paper, 35 cents. A non-technical book written to answer the questions of the layman about astronautics by a man twice chairman of the British Interplanetary Society.

FUNDAMENTALS OF COLLEGE MATHEMATICS—John C. Bixey and Richard V. Andree—*Holt*, 609 p., \$5.90. A first year college text.

Gmelins HANDBUCH DER ANORGAN ISCHEN CHEMIE: Bor, System-Nummer 13, Ergänzungsband—Gmelin Institute and E. H. E. Pietsch—*Verlag Chemie*, 253 p., illus., paper \$33.60, cloth \$34.80. A supplement to the boron volume published in 1926, this book covers the literature for the years 1925-1950.

Gmelins HANDBUCH DER ANORGAN ISCHEN CHEMIE: Gold, System-Nummer 62, Lieferung 2—Gmelin Institute and E. H. E. Pietsch—*Verlag Chemie*, 306 p., illus., paper, \$40.32.

Part two of a volume, the first part of which was published in 1950.

Gmelins HANDBUCH DER ANORGAN ISCHEN CHEMIE: Gold, System-Nummer 62, Lieferung 3—Gmelin Institute and E. H. E. Pietsch—*Verlag Chemie*, 558 p., illus., paper \$74.88. This volume completes the Gmelin Gold series.

Gmelins HANDBUCH DER ANORGAN ISCHEN CHEMIE: Selen, System-Nummer 10, Teil A-Lieferung 3—Gmelin Institute and E. H. E. Pietsch—*Verlag Chemie*, 184 p., illus., paper, \$26.64. Devoted to the selenium rectifier and the selenium photocell.

LEGAL MEDICINE—R. B. H. Gradwohl, Ed.—*C. V. Mosby*, 1093 p., illus., \$20.00. Authorities in their fields contribute articles on subjects that make up the various aspects of legal medicine.

MEDICAL USES OF CORTISONE: Including Hydrocortisone and Corticotropin—Francis D. W. Lukens—*Blakiston*, 534 p., illus., \$7.50. Bringing together in one volume, studies scattered among numerous medical specialties of the actions and uses of cortisone, hydrocortisone and corticotropin.

THE PAINTED MEN—T. C. Lethbridge—*Philosophical Library*, 208 p., illus., \$6.00. The story of the Picts, ancient peoples who inhabited the area now called Scotland, by the keeper of the Anglo-Saxon antiquities, Cambridge University Museum of Archaeology and Ethnology.

PHYSICIAN IN THE COURTROOM—Lester Adelson and others, Edited by Oliver Schroeder Jr.—*Western Reserve University Press*, 99 p., \$2.00. The first of a series of publications planned for the use of lawyers and physicians by the Law-Medicine Center of Western Reserve University, presenting basic areas of contact between these professions.

SCIENCE FOR HERE AND NOW—Herman and Nina Schneider—*D. C. Heath*, 213 p., illus., \$1.92. A well illustrated science text for the second grade school child, including experiments for him to perform.

THE SEXUAL NATURE OF MAN: and Its Management—Clarence Leuba—*Doubleday*, Doubleday Papers in Psychology, 40 p., illus., paper, 85 cents. "The sexual nature of man is still a confused area," the author states in the preface. "We will need to proceed cautiously and to evaluate carefully the sources of our data."

SEPTIC TANK SOIL ABSORPTION SYSTEMS FOR DWELLINGS: A Guide for the Design and Installation of Individual Sewage Disposal Systems—Fred W. McGhan—*Govt. Printing Office*, Housing and Home Finance Agency, Construction Aid 5, 34 p., illus., paper, 25 cents.

SHOCK AND CIRCULATORY HOMEOSTASIS: Transactions of the Third Conference, September 14, 15 and 16, 1953, Princeton, N. J.—Harold D. Green, Ed.—*Josiah Macy, Jr. Foundation*, 230 p., illus., \$3.50. Three papers given at a conference sponsored by the Josiah Macy, Jr. Foundation and the discussions that followed their presentations.

WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH INCORPORATED: Report on the Foundation's Activities for the Year Ended January 31, 1954, 14 East 71st St., New York 21, N. Y., 83 p., illus., paper, free upon request to publisher. The principal activity of this foundation has been the award of grants-in-aid for

programs of research in anthropology and related branches of science.

WOODLANDS IN SPRING—Cornell Rural School Leaflet, Vol. 47, No. 4—*New York State College of Agriculture*, 32 p., illus., paper, 10 cents. Presenting to children the changes that take place in the plants and animals of the woods in the springtime.

Science News Letter, August 7, 1954

ASTRONOMY

Spot Periodic Comet For Fourteenth Time

► **PERIODIC COMET** Faye has been spotted on its return to a visible part of the sky by Dr. George Van Biesbroeck of Yerkes Observatory, Williams Bay, Wis.

This is the 14th time it has been sighted since its discovery in 1843. Its magnitude is now 17, too faint to be seen except with a large telescope.

The comet will continue to brighten until March, 1955, when its magnitude will be 15. It has a period of seven years, and was found close to its predicted position, in the constellation of Aquarius, the water carrier, which can be seen low in the southwestern sky in the early evening.

Science News Letter, August 7, 1954

SURGERY

Bullet in Neck Starts Trouble 50 Years Later

► **A MAN** who carried a bullet from a .22-caliber rifle in his neck for 50 years before it gave any trouble has now had the bullet removed at the Mayo Clinic, Rochester, Minn.

He was accidentally shot at the age of 14. The bullet entered above his lip, below his left nostril, nicking his tongue and lodging in his neck. Actually it lodged in the first vertebra in his neck, right below the skull, as X-rays later showed.

He recovered from the accident without disability and was well for 50 years. Then one day while cranking a motor he felt something snap in the back of his neck. For the next month he had pain, tenderness and swelling in the back of his neck high on the right.

The bullet, it turned out, had caused osteomyelitis, or bone inflammation and infection, with abscesses that drained pus through a sinus. This sinus in the back of the neck presumably connected with the man's throat, because he reported tasting the medicine used to wash it out, and radioactive, opaque material run into the sinus from the neck opening could be seen, in X-ray pictures, in the soft tissues at the back of the throat.

After removal of the sinus and bullet fragments the man recovered. His case was reported by Dr. Collin S. MacCarty of the Mayo Clinic and Foundation and Maj. Robert A. Mendelsohn, Air Force medical officer assigned to the Mayo Foundation, in *Proceedings of the Staff Meetings of the Mayo Clinic* (June 30).

Science News Letter, August 7, 1954

New Hearing Aid Without Tubes

Costly B-Battery eliminated! All battery costs slashed 80%! Powered by 3 genuine Raytheon Transistors! Vacuum tubes banished forever! For full information, use handy coupon below. No obligation whatsoever. A postcard will do.

Electronic Research Director
Bel-tone Hearing Aid Co., Dept. 356B
2900 W. 36th St., Chicago 32, Ill.

Please rush complete facts on new miracle all-transistor tubeless hearing aid.

Name

Address

City..... State.....