

Books of the Week

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THE ADVANCEMENT OF SCIENCE, Vol. V, No. 18—*British Association for the Advancement of Science*, 77 p., paper, \$1.50 approx. Special issue devoted to the meeting of the British Association at Brighton.

BRITISH AGRICULTURAL BULLETIN, Vol. One, Number One—*British Council*, 40 p., illus., \$5.00 a year, single copies \$1.50. Intended "to put British knowledge and experience at the disposal of the farmers of other countries."

A CHRONOLOGY OF SCIENTIFIC DEVELOPMENT 1848-1948—K. Lark-Horowitz and Eleanor Carmichael—*American Association for the Advancement of Science*, 99 p., paper, free from Physics Department, Purdue University, Lafayette, Ind. Covering major achievements of the last century compiled for the Centennial Celebration of the AAAS.

CODES AND SECRET WRITING—Herbert S. Zim—*Morrow*, 154 p., illus., \$2.00. This book is not for the expert but just for fun; it covers common codes, breaking secret codes, secret languages, and invisible writing.

THE FLINT RIVER SITE—William S. Webb and David L. DeJarnette—*Alabama Museum of Natural History*, 87 p., illus., paper, 6 cents direct from publisher at University, Ala. Along the Tennessee River in Alabama there are some 340 shell mounds, remains of the oldest people in this region.

FRONTIER DOCTOR: The Autobiography of a Pioneer on the Frontier of Public Health—Samuel I. Crumrine—*Dorrance*, 284 p., \$3.00. The story of a physician who started his practice in the Cowboy Capital, Dodge City, Kansas, and led many a battle against the causes of the spread of disease such as the common drinking cup, the fly, and the roller towel.

THE LUNGFISH, THE DODO, AND THE UNICORN: An Excursion into Romantic Zoology—Willy Ley—*Viking*, Rev. ed., 361 p., \$3.75. A scientist distinguished for his experiments on rockets and his speculation about interplanetary travel makes a trip into a land of legend, imagination and zoological fact.

THE NEW BOOK OF FLIGHT—C. H. Gibbs-Smith—*Oxford University Press*, 288 p., illus., \$5.00. Beautifully illustrated with photographs is this review of modern developments in aviation with special emphasis on

British achievements. Has sections on rockets, jet propulsion and helicopters.

OUTLINES OF PHYSICAL CHEMISTRY—Farrington Daniels—*Wiley*, 713 p., illus., \$5.00. Material for a first course in physical chemistry which originated at the University of Wisconsin. Emphasis is on practical examples.

RADIO STATION MANAGEMENT—J. Leonard Reinsch—*Harper*, 177 p., illus., \$3.50. Beginning with "How to Get a Radio Station," there is discussion of many of the problems of running a station including programs. The place of radio in education is given attention.

SCIENCE ADVANCES—J. B. S. Haldane—*Allen and Unwin (Macmillan)*, 253 p., illus., \$3.00. A group of essays on topics as widely varied as the interests of the author and with his characteristic charm of expression.

SOCIAL ADJUSTMENT IN OLD AGE: A Research Planning Report—Otto Pollak with the assistance of Glen Heathers—*Social Science Research Council*, 199 p., paper, \$1.75. Discussing problems of interest to all except those who expect to die young.

YOUR SCHOOL DISTRICT—National Commission on School District Reorganization—*Department of Rural Education, National Education Association*, 286 p., paper, \$2.00; board, \$2.50. Of particular interest to schoolmen and those interested in school organization.
Science News Letter, October 2, 1948

ARCHAEOLOGY

Indian Shelter Shows 2,000 Years of Culture

➤ TWO THOUSAND YEARS of Indian history are represented in five feet of dirt in a rock shelter in West Virginia.

Stages in the growth of Indian culture from the beginning of the Christian to colonial times are shown in materials and tools left by the inhabitants of this shelter in the New River Valley. It was uncovered by an archaeological survey led by Ralph S. Solecki of the Smithsonian Institution.

This survey is exploring a valley in West Virginia to save as many of the relics of Indian and colonial history as is possible before the region is flooded by the Bluestone reservoir. The survey is a cooperative project of the Smithsonian, the National Park Service and the Corps of Engineers, Department of the Army. The area will be flooded in a few months.

The scientists discovered 42 Indian sites in the reservoir area. They consisted of village and camp remains, several earth and rock mounds, rock shelters and the locations of four forts built by white settlers. These forts, erected in the early 1770's, were used in the border warfare of the period.

The New River Valley area might be

considered the "Mason-Dixon" line of the eastern Indians—the border between the Iroquois on the north and the Cherokee on the south. The "Great Indian War-path" passed through the valley. Iroquois traveled this route in their raids on their southern enemies, the Catawbas.

Science News Letter, October 2, 1948

ICHTHYOLOGY

Shad Seem To Know Their Way Home, Study Reveals

➤ SHAD seem to know their way home, no less than the better-publicized salmon. Such is the indication of fish-tagging experiments reported in SCIENCE (Sept. 24) by Edgar H. Hollis of the U. S. Fish and Wildlife Service.

In 1941 he attached identifying tags to 2,466 young fish, mostly shad, which were later released in the Albemarle Sound region of North Carolina. The tags carried an offer of a one-dollar reward for return to the Fish and Wildlife Service.

Only three tags have thus far been returned, but they were all from fish taken within a ten-mile radius of the original "home" waters of the released young fish.

Science News Letter, October 2, 1948

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