

MEDICINE

Health Officer Said to Have Had Mild Encephalitis Case

THE FIRST case of encephalitis in one of the scientists fighting the epidemic in St. Louis appears to have been suffered by Dr. J. P. Leake, U. S. Public Health Service officer in charge of the investigations.

This attack was not incurred as a result of the experiment in which three of the scientists submitted to bites from mosquitoes that had previously fed on encephalitis patients. It is too early for results from this experiment planned to determine whether mosquitoes do carry the disease, as has been suspected from the fact that they transmit a similar disease of horses.

Dr. Leake himself pooh-poohs the idea that he had an attack, but his associates are convinced that he did. The attack occurred about a week ago while he was on his way to Washington, D. C., from St. Louis, Mo., to report on the situation to Surgeon-General Hugh S. Cumming. The attack was very mild, lasting about one day.

There have been many such attacks during this present epidemic. In fact, the men investigating the outbreak believe that there have been hundreds of such cases that have not been reported, simply because they were so mild that the sufferer did not realize himself that he had anything serious ailing him and failed to consult a physician. In these

cases, the attack consists of intense headache, nausea and vomiting. The patient feels very badly for several hours but by the end of a day has recovered.

This very mild type of case, among other things, has convinced the investigators that the disease which has been epidemic in St. Louis is not typical encephalitis as previously known and they are now calling it encephalitis B. Further indication that this is a new form of the disease is seen in the fact that there are absolutely no after-effects, which have been a serious feature of ordinary encephalitis. The patients who do not die in this epidemic recover entirely.

Names of the scientists who volunteered for encephalitis-infected mosquito bites have been withheld by the U. S. Public Health Service. This sort of service is considered merely part of the day's work by officers of the Service.

Meanwhile encouraging results are obtained from the efforts to establish the disease in monkeys. If this can be done the need for human guinea pigs will have been eliminated. Symptoms of the disease are now appearing in the second group of monkeys, inoculated with material from a group that developed the disease after inoculation from encephalitis patients.

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• First Glances

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Education

NURSERY SCHOOLS, THEIR DEVELOPMENT AND CURRENT PRACTICES IN THE UNITED STATES—Mary Dabney Davis and Rowna Hansen—*Government Printing Office*, 92 p., 15c. A bulletin of the Office of Education, U. S. Department of the Interior. Organization and administration of 203 nursery schools are presented in this illustrated report. Educators, parents and others interested in child hygiene will find interesting material here presented.

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National Parks

THE NATIONAL PARKS AND EMERGENCY CONSERVATION—Isabelle F. Story—*Govt. Print. Off.*, 32 p., free. Although issued primarily for the boys in the Civilian Conservation Corps, this pamphlet contains information and points of view which will make profitable reading for any person at all interested in the conservation and upbuilding of our great system of national parks and other areas devoted to recreation and education.

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Radio

SHORT WAVE BEGINNER'S BOOK—Hugo Gernsback—*Short Wave Craft*, 36 p., 25c.

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Radio

10 MOST POPULAR SHORT WAVE RECEIVERS: HOW TO MAKE AND WORK THEM—Various Authors—*Short Wave Craft*, 36 p., 25c.

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HOW TO BECOME AN AMATEUR RADIO OPERATOR—Myron F. Eddy—*Short Wave Craft*, 72 p., 50c.

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• First Glances at New Books

Anthropology

FOSSIL MAN IN CHINA—Davidson Black, Teilhard de Chardin, C. C. Young and W. C. Pei—*Geological Survey of China and National Academy of Peiping*, 164 p., 6 folded maps. Everything connected with the finds of *Sinanthropus* and associated artifacts and fossils at Choukoutien is here discussed by the scientists who have been most active in connection with the discovery and description of this most important recent discovery of ancient man. The body of the text is in English, with a brief appended summary in Chinese.

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Library Science

A MANUAL OF CATALOGUING AND INDEX—J. Henry Quinn and H. W. Acomb—*Scribner's*, 286 p., \$3. The jacket says: "Cataloguing codes and rules are here adapted and applied to the styles of catalogues most serviceable for Municipal, Collegiate, County and School Libraries, and examples are worked out fully to demonstrate the rules. Indexing is specially treated, and the theory is similarly illustrated by example. The *Manual* will therefore be found useful for reference by cataloguers and indexers, and as a text-book for students of librarianship." This book constitutes vol. No. 5, of the Library Association Series of Library Manuals.

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Photography

MODERN PHOTOGRAPHY: 1933-34—Edited by C. G. Holme—*Studio Publications, Inc.*, 128 p., cl. \$4.50, pa., \$3.50 From all the lands of the world, picturing a wide range of subjects in as wide a range of photographic techniques, many skilled artists have contributed their best to make this new annual outstandingly beautiful.

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Entomology

INSECT BEHAVIOUR—Evelyn Cheesman—*Ballou*, 189 p., \$1.50. Interesting and well-written observations on the ways of insects, recorded in many corners of the world by a wide-ranging British naturalist.

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Education

REPORT OF THE NATIONAL CONFERENCE ON THE FINANCING OF EDUCATION—*National Education Association*,

78 p., 25c. The findings and recommendations of this Conference are of interest far beyond the circle of teachers, superintendents and other professional educators who furnished its original incentive. Taxing authorities, as well as patrons and administrators of private educational institutions, tempted in the present stringency to "economies" that may go to harmful extremes, should at least acquaint themselves with the facts presented here before they swing the ax.

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Radio

OFFICIAL SHORT WAVE LOG AND CALL BOOK—Hugo Gernsback, Editor—*Popular Book Corporation, New York*, 25c per issue. The first issue (August) of a new quarterly designed to appeal to the army of enthusiasts working in the short-wave radio field.

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Biology

THE LIVING WORLD—Helen Gardner Mank—*Sanborn*, xxiv+673 p., \$1.68. A general biology for high school courses.

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Biology

MAN INTO WOMAN—Edited by Niels Hoyer—Translated from the German by H. J. Stenning—*E. P. Dutton*, 288 p., \$3.50. This book with an introduction by an English specialist on sex cases, Dr. Norman Haire, is said to be an authentic record of a change of sex. Although conceivably true, the story seems more like fiction than fact. Many well-known cases of human hermaphroditism, the condition which afflicts the hero of this book, have of course, been reported in the medical literature. Unusual and daring surgical operations, of the type described in the book, are likewise frequently reported by European surgeons, Scientifically, however, the book appears to have little or no value. Its entertainment value is a matter of individual taste, but will probably rate high with a large group of "modern" readers.

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General Science

BUSINESS AND SCIENCE—Edited by R. J. Mackay—*Sylvan Press, London*, 311 p., 5s. A collection of papers by industrial scientists and business men on such subjects as management research, business forecasting, the human body at work, personnel selection, patent law reform, etc., delivered at the Centenary Meeting of the British Association for the Advancement of Science, London, 1931.

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Chemistry

CHEMICAL REFINING OF PETROLEUM—V. A. Kalichevsky and B. A. Stagner—*Chemical Catalog Co.*, 451 p., \$7. Oil refining used to be a relatively simple problem in the physics of fractional distillation; now, however, with the ever-thirsty tanks of motor vehicles incessantly clamoring for more, refiners have to face the job of making big molecules into little ones, and that involves some very earnest chemistry. This new and very comprehensive reference book tells how it is done and chemically why. It is a most useful addition to the series of American Chemical Society Monographs.

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Chemistry

ALLEN'S COMMERCIAL ORGANIC ANALYSIS, VOL. X—Edited by C. Ainsworth Mitchell—*Blakiston*, 817 p., \$7.50. This volume treats of haemoglobin and its derivatives, albuminoids or scleroproteins, structural proteins, examination of foodstuffs for vitamins, the hormones, the identification of unknown woods and charcoals, and the pectic substances. Fifth edition.

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Invention

VALUABLE HINTS TO INVENTORS—A. F. Gillet—*Inventors Publ. Co., Washington, D. C.*, 94 p., \$1. How to invent, what to invent, how to go about getting your invention patented, how to make a patented invention pay, are among the subjects discussed in this compact little book

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