

# Books of the Week

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THE AIRMAIL: Jennies to Jets—Benjamin B. Lipsner and Leonard Finley Hilts—*Wilcox and Follett*, 306 p., illus., \$3.00. The romantic history of the air mail written by the first superintendent.

ANNOTATED BIBLIOGRAPHY OF VITAMIN E 1940 to 1950—Philip L. Harris and Wilma Kujawski—*National Vitamin Foundation*, 184 p., paper, \$3.00. During these ten years there were more than 1500 scientific publications and patents concerned with vitamin E.

ATOMIC ENERGY IN WAR AND PEACE—Butt W. Leyson—*Dutton*, 217 p., illus., \$3.75. A science and aviation writer with combat experience writes for the layman about the problems of today.

BREEDING CHICKENS FOR MEAT PRODUCTION—V. S. Asmundson and I. Michael Lerner—*California Agricultural Experiment Station*, Bulletin 675, rev. ed., 39 p., illus., paper, free upon request to publisher, University of California, Berkeley, Calif. Practical information for poultry breeders.

THE CONTINUITY OF LIFE—Anna Louise Benedict—*Chapman & Grimes*, new ed., 171 p., \$2.00. A philosophical work on the author's belief in life after death and communication between the living and the dead.

DOLLARS AND SENSE IN CONSERVATION—S. V. Ciriacy-Wantrup—*California Agricultural Experiment Station*, Circular 402, 40 p., illus., paper, free upon request to publisher, University of California, Berkeley, Calif. Things the farmer needs to know.

ENZYMES AND ENZYME SYSTEMS: Their State in Nature—John T. Edsall, Ed.—*Harvard University Press*, 146 p., illus., \$2.75. Based on a symposium on "the oldest of the arts and the newest of the professions," providing a view of the latest developments in this important field.

A FEW BUTTONS MISSING: The Case Book of a Psychiatrist—James T. Fisher and Lowell S. Hawley—*Lippincott*, 282 p., \$3.50. The autobiography of a man who was brought up on a cattle ranch and who later entered psychiatry by way of study of engineering and veterinary medicine. His delightful reminiscences are mixed with much philosophy and reflections on life and medicine.

FRUIT THINNING WITH CHEMICAL SPRAYS—L. P. Batjer—*Govt. Printing Office*, U. S. D. A. Circular No. 867, 45 p., illus., paper, 20 cents. Use of chemical sprays during the bloom stage or shortly thereafter completely overcomes the need for hand thinning which represents one of the greatest single costs in producing fruit.

INDUSTRIAL HEALTH AND MEDICAL PROGRAMS—Margaret C. Klem, Margaret F. McKiever and Walter J. Lear—*Govt. Printing Office*, 397 p., illus., paper, \$1.00. A compilation of material from various scattered sources. Public Health Service Publication No. 15.

IT'S YOUR ATOMIC AGE: An Explanation in Simple, Everyday Terms of the Meaning of Atomic Energy to the Average Person—Lester del Ray—*Abelard*, 226 p., \$2.25. The author, a popular-science writer, intends the work to serve as background for current newspaper discussions on atomic energy.

THE LYMPH GLANDS OF CATTLE, HOGS, AND SHEEP—R. K. Somers—*Govt. Printing Office*, USDA Circular No. 866, 29 p., illus., paper, 15 cents. Information essential for persons engaged in meat inspection.

A MANUAL OF THE FLOWERING PLANTS OF CALIFORNIA—Willis Linn Jepson—*University of California Press*, 1238 p., illus., \$5.00. A technical book containing descriptions of 3,019 species of the fern-allies and flowering plants.

THE MECHANISM OF CELL DIVISION—M. J. Kopac and others—*New York Academy of Sciences*, 260 p., illus., \$3.50. Intensive studies by 19 authors covering recent research.

THE NATURE OF METALS—Bruce A. Rogers—*American Society for Metals and Iowa State College Press*, 248 p., illus., \$3.00. Intended to inform the layman on the nature and behavior of metals.

OUR ATOMIC HERITAGE—Arnold B. Grobman—*University of Florida Press*, 147 p., illus., \$2.95. A review of known facts about the genetic effects of atomic radiation by a man who spent more than two years on research with the "Manhattan District."

PATTERNS OF DISEASE ON A BASIS OF PHYSIOLOGIC PATHOLOGY—Frank L. Apperly—*Lippincott*, 456 p., illus., \$8.00. A textbook which presents the disease process as it occurs beginning at the beginning and tracing it step by step through various stages up to death or the cure.

PLANNING A SMALL FARM HOME—Richard W. Palmer and Wallace Sullivan—*California Agricultural Extension Service*, Circular 168, 20 p., illus., paper, free upon request to publisher, University of California, Berkeley, Calif. A guide for the city worker who wants to live in the country. Advice on what to raise and how much and how to lay out the farm.

PROPAGATION OF FRUIT PLANTS—C. J. Hansen and E. R. Eggers—*California Agricultural Extension Service*, Circular 96, rev. ed., 57 p., illus., paper, free upon request to publisher, University of California, Berkeley, Calif. For commercial fruit growers, nurserymen and home gardeners.

RADIO AND TELEVISION RECEIVER CIRCUITRY AND OPERATION—Alfred A. Ghirardi and J. Richard Johnson—*Rinehart*, 669 p., illus., \$6.00. A textbook for radio- and television-servicing courses of technical schools and the Armed Forces.

THE SOURCE, TRANSPORTATION, AND DEPOSITION OF BEACH SEDIMENT IN SOUTHERN CALIFORNIA—*Beach Erosion Board*, 113 p., paper, free upon request to publisher, Corps of Engineers, Department of the Army, Washington 25, D. C., by anyone with legitimate need of publication. Of interest to engineers designing harbors and other shore works as well as those concerned with sedimentary processes.

SYMPOSIUM ON CORROSION OF MATERIALS AT ELEVATED TEMPERATURES—*American Society for Testing Materials*, 121 p., illus., paper, \$2.25. Practically all materials currently in use in the power and fuels industry are included in one or more of the papers.

Science News Letter, April 28, 1951

## THE NEW PHYSICS

### Talks on Aspects of Science

By SIR C. V. RAMAN

The world knows Sir Chandrashekhara Venkat Raman as one of the greatest living scientists, one of the half-a-dozen front-rank physicists, a Nobel Prize winner and an Honorary Doctor of Science of a dozen Universities in the world. Few know that he is one of the most humorous and fluent speakers in the English language.

Rightly in the tradition of the great scientists of the world Sir C. V. Raman appears here as an exponent of various aspects of science in a lucid and readable form. To the students and laymen alike these talks of Sir C. V. Raman will open new fields of marvellous beauty in the things of nature around us.

C. V. Raman is one of the most distinguished physicists of our time. He is not only a winner of the Nobel Prize but he was also awarded the Hughes Medal and the Franklin Medal among many others. A Professor of Physics at the Calcutta University, he is the discoverer of the Raman Effect, a most useful instrument in the determination of the structure of the molecules of substances. In the last few years Professor Raman and his collaborators at Bangalore have published a great many papers on their investigation of crystals, notably the diamond.

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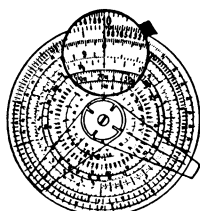
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