

SCIENCE

29 November 1957

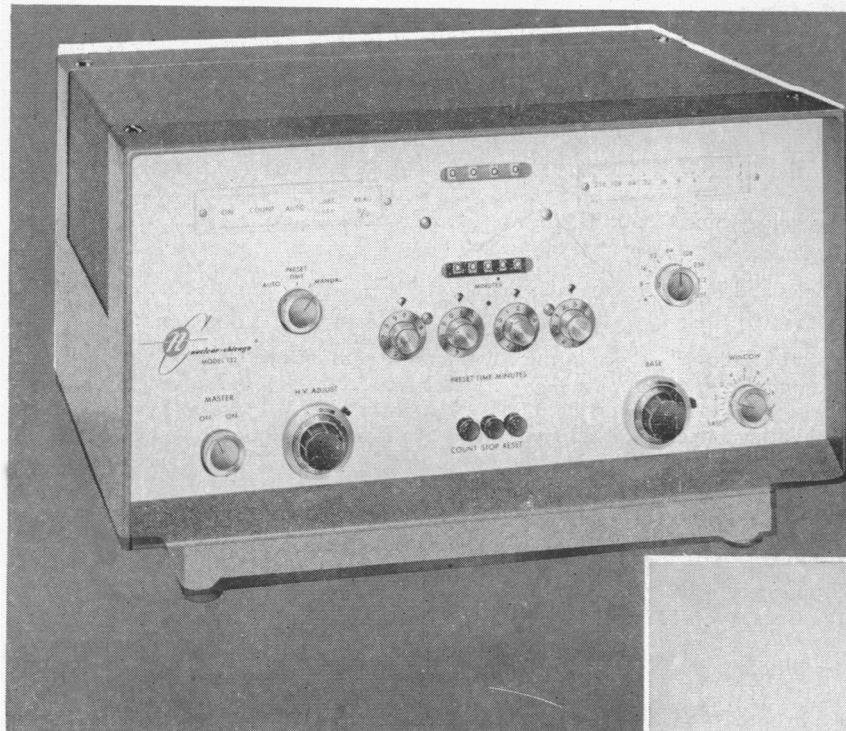
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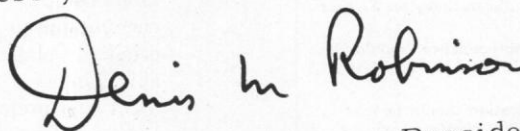
This is an opportune moment in the world of science, for you and for us, to discuss the purpose, usefulness, and availability of nuclear and electron accelerators. The Van de Graaff has proved itself ideally suited for carrying on basic research and training in a university, government or industrial laboratory. For this reason, we address ourselves to the responsible scientists who initiate this vital activity.

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and schematic. The embryological and evolutionary development of the brain and its definitive structure as of today are given less than a sixth of the text, and this perhaps is adequate for Lassek's purpose. The rest of the book is devoted mainly to a survey of human cultures, drawn from the literature of cultural anthropology. The history of the evolution of the human mind is divided into four overlapping stages, represented by presavage, savage, barbarian, and civilized man.

The book is simply and clearly written and well indexed. There are a few errors and some infelicities of style. On page 13 we read that "the human race can be traced back with some degree of surety, only to about 5,000 B.C." I do not find the word "archtype" (pages 46, 51) in my dictionary. The frequent use of the word "data" as a singular noun in current literature is no justification for this barbarism. If "this data" (page 32) and "the data is" (page 67) may be regarded as good English, must we not also grant that "this datum are" would be equally acceptable?

For several reasons it is difficult to explain in vernacular language either the technical details or the general principles of cerebral structure and function. Lassek does not attempt to do this, but has chosen a different way to quicken popular interest in brains as the organs of civilization and in how they got that way. This he does by describing the ways of life in successive stages of cultural evolution.

C. JUDSON HERRICK
Grand Rapids, Michigan

Books Reviewed in

The Scientific Monthly, December

Discovery of the Universe, G. de Vancouleurs (Macmillan). Reviewed by S. L. Lippincott.

The Next Hundred Years, H. Brown, J. Bonner, J. Weir (Viking). Reviewed by P. M. Stern.

The Life of Arthur Stanley Eddington, A. V. Douglas (Nelson). Reviewed by M. H. Wrubel.

The Direction of Research Establishments (H. M. Stationery Office).

Margarine and Other Food Fats, M. K. Schwitzer (Interscience). Reviewed by L. Voris.

Health and Medical Care in New York City (Harvard University Press). Reviewed by H. N. Pratt.

Rocks and Minerals, H. S. Zim and P. R. Shaffer (Simon and Schuster).

Reptiles, A. d'A. Bellairs (Hutchinson's University Library). Reviewed by R. F. Inger.

Annual Epidemiological and Vital Statistics, 1954 (World Health Organization).

Lascaux and Carnac, G. Daniel (Macmillan). Reviewed by F. de Laguna.

Plant Classification, L. Benson (Heath). Reviewed by K. L. Chambers.

A Textbook of Plant Virus Diseases, K. M. Smith (Little, Brown). Reviewed by W. C. Boyd.

Modern Science and the Nature of Life, W. S. Beck (Harcourt, Brace). Reviewed by M. Bates.

New Books

Organic Syntheses. An annual publication of satisfactory methods for the preparation of organic chemicals. vol. 37. James Cason, Ed. Wiley, New York; Chapman & Hall, London, 1957. 109 pp. \$4.

Psychological Disorder and Crime. W. Lindesay Neustatter. Philosophical Library, New York, 1957. 248 pp. \$6.

Calcium Metabolism. J. T. Irving. Methuen, London; Wiley, New York, 1957. 177 pp. \$2.75.

Cities and Society. The revised reader in urban sociology. Paul K. Hatt and Albert J. Reiss, Jr. Free Press, Glencoe, Ill., 1957. 860 pp. \$7.50.

The Social System of the High School. A study in the sociology of adolescence. C. Wayne Gordon. Free Press, Glencoe, Ill., 1957. 195 pp. \$4.

Human Motivation. Probability and meaning. Fred T. Schreier. Free Press, Glencoe, Ill., 1957. 277 pp.

The Osteodontokeratic Culture of Australopithecus Prometheus. Memoir No. 10. Raymond A. Dart. Transvaal Museum, Pretoria, 1957. 113 pp.

Essentials of Human Anatomy. Russell T. Woodburne. Oxford University Press, New York, 1957. 628 pp. \$12.50.

Nonparametric and Shortcut Statistics in Social, Biological, and Medical Statistics. Merle W. Tate and Richard C. Clelland. Interstate Printers and Publishers, Danville, Ill., 1957. 180 pp.

Laboratory Workbook for Principles of Zoology. John A. Moore. Oxford University Press, New York, 1957. 122 pp. \$2.75.

Introduction to General Embryology. A. M. Dalcq. Translated by Jean Medawar. Oxford University Press, London, 1957. 184 pp.

Cahiers de Synthèse Organique. vol. II. Methodes et tableaux d'application. Jean Mathieu and André Allais. Masson, Paris, 1957. 322 pp.

Exploring Earth and Space. The story of the I.G.Y. Margaret O. Hyde. Whittlesey House, McGraw-Hill, New York, 1957. 160 pp. \$3.

Integrating the Approaches to Mental Disease. Two conferences held under the auspices of the Committee on Public Health of the New York Academy of Medicine. H. D. Kruse, Ed. Hoeber-Harper, New York, 1957. 408 pp. \$10.

Practical Astronomy. A new approach to an old science. W. Schroeder. Philosophical Library, New York, 1957. 217 pp. \$6.

Quantum Mechanics. F. Mandl. Academic Press, New York; Butterworths, London, ed. 2, 1957. 277 pp. \$6.50.

The Pacific Lowlands of Colombia. A Negroid area of the American tropics. Robert C. West. Louisiana State University Press, Baton Rouge, 1957. 292 pp. \$5.

Poison on the Land. The war on wild life, and some remedies. J. Wentworth Day. Philosophical Library, New York, 1957. 256 pp. \$6.

Parapsychology. Frontier science of the mind. A survey of the field, the methods, and the facts of ESP and PK research. J. B. Rhine and J. G. Pratt. Thomas, Springfield, Ill., 1957. 229 pp. \$4.75.

High Energy Nuclear Physics. Proceedings of the seventh annual Rochester Conference, 15-19 April 1957. Compiled and edited by G. Ascoli, G. Feldman, L. J. Koester, Jr., R. Newton, W. Resenfeld, M. Ross, R. G. Sachs. Distributed by Interscience, New York, 1957. 491 pp. Paper, \$4.50.

Contributions to the Theory of Games. vol. III. M. Resher, A. W. Tucker, P. Wolfe. Princeton University Press, Princeton, N.J., 1957. 441 pp. \$5.

World Directory of Medical Schools. World Health Organization, Geneva, ed. 2, 1957 (order from Columbia University Press, New York). 314 pp. \$5.

Higher Oxo Alcohols. Lewis F. Hatch. Wiley, New York, 1957. 130 pp. \$4.50.

Body Water in Man. The acquisition and maintenance of the body fluids. Maurice B. Strauss. Little, Brown, Boston, 1957. 305 pp. \$7.

The Hangover. A critical study in the psychodynamics of alcoholism. Benjamin Karpman. Thomas, Springfield, Ill., 1957. 554 pp. \$9.50.

Methods of Biochemical Analysis. vol. 5. David Glick, Ed. Interscience, New York, 1957. 513 pp. \$9.50.

A Concise Guide to Plastics. Herbert R. Simonds. Reinhold, New York; Chapman & Hall, London, 1957. 329 pp. \$6.95.

The Patient and the Mental Hospital. Milton Greenblatt, Daniel J. Levinson, Richard H. Williams, Eds. Free Press, Glencoe, Ill., 1957. 676 pp. \$6.

Atom Harvest. A British view of atomic energy. Leonard Bertin. Freeman, San Francisco, 1957. 253 pp. \$3.25.

How to Know Freshwater Fishes. Pictured keys for identifying all of the freshwater fishes of the United States and also including a number of marine species which often enter freshwater. Samuel Eddy. Brown, Dubuque, Iowa, 1957. 259 pp. Cloth, \$3.25; spiral bound paper, \$2.75.

The Friendly Fungi. A new approach to the eelworm problem. C. L. Duddington. Faber and Faber, London, 1957 (order from Macmillan, New York). 188 pp. \$4.50.

Dangerous Properties of Industrial Materials. A completely revised and enlarged edition of *Handbook of Dangerous Materials*. N. Irving Sax. Reinhold, New York; Chapman & Hall, London, ed. 2, 1957. 1472 pp. \$19.50 (beginning Jan. 1958, \$22.50).

The Economics of Communist Eastern Europe. Nicholas Spulber. Technology Press of Massachusetts Institute of Technology and Wiley, New York; Chapman & Hall, London, 1957. xxviii + 553 pp. \$12.50.

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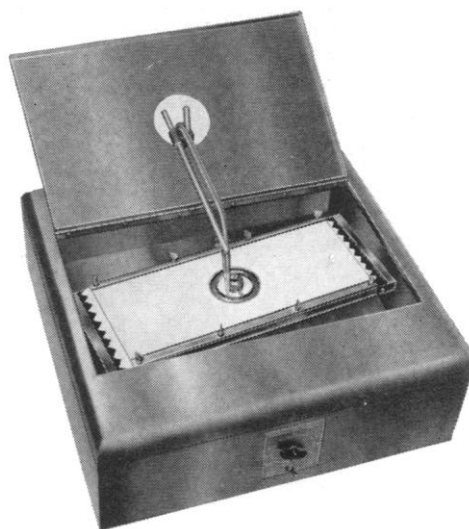
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References:

Proceeding of the Chemical Society (London)
1957 — Page 23
Naturwissenschaften 44
1957 — Page 9
Chromatographic Methods 2
1957 — Page 1, No. 1

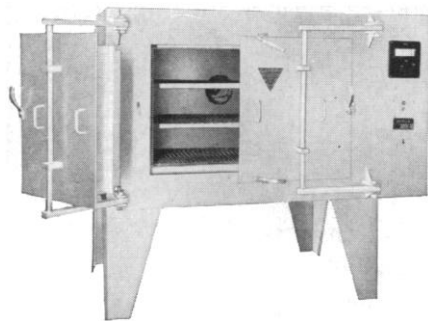


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