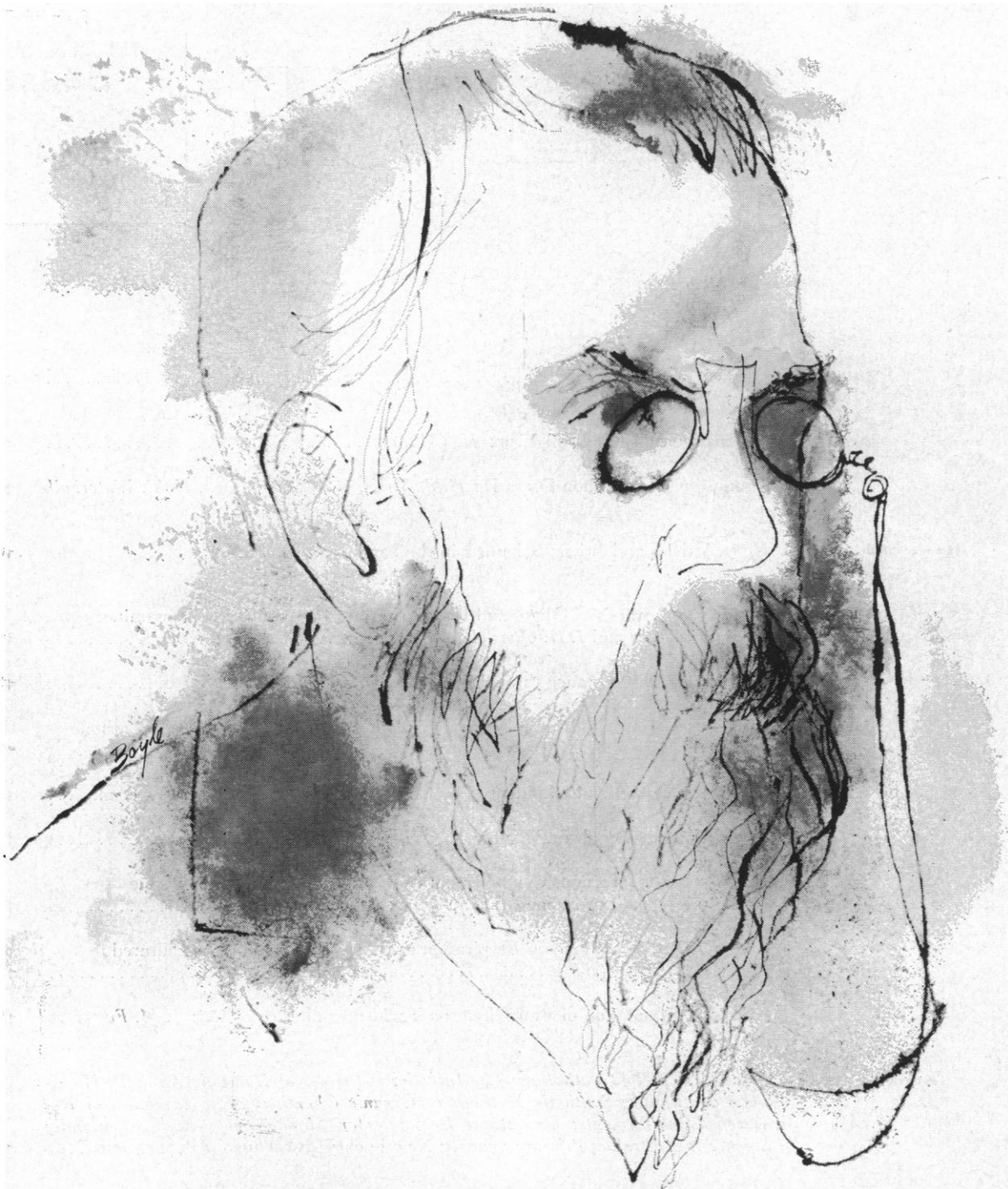


SCIENCE

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Henri Poincaré...on disinterested fools

“But scientists believe that there is a hierarchy of facts, and that we may make a judicious choice among them. They are right, for otherwise there would be no science, and science does exist. One has only to open one’s eyes to see that the triumphs of industry, which have enriched so many practical men, would never have seen the light if only these practical men had existed, and if they had not been preceded by disinterested fools who died poor,

who never thought of the useful, and who were not guided by their own caprice.

What these fools did, as Mach has said, was to save their successors the trouble of thinking. If they had worked solely with a view to immediate application, they would have left nothing behind them, and in face of a new requirement, all would have had to be done again.”

— *Science et méthode*, 1912.

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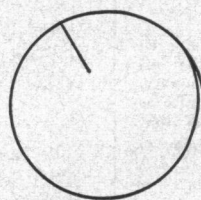
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nitions of temperature, for example—is the discussion vague or difficult to follow. Original sources of work are systematically quoted throughout the book, with references listed at the end of each chapter. For those who are seriously interested in the subject, *Radioastronomie* should be a useful reference work; for those just entering the field it provides a good survey of techniques, summary of results through 1955, and guide to the literature.

D. S. HEESCHEN

National Radio Astronomy Observatory,
Green Bank, West Virginia

Science in Australian Primary Schools.

C. D. Hardie, Ed. Melbourne University Press, Carlton, Australia, 1957 (order from Cambridge University Press, New York). 90 pp. \$3.75.

Five Australian educators have pooled their resources in the production of this slight volume, which is designed to describe the present status of science in the first six grades in Australia. The book intends to describe present conditions and problems rather than solve them. It appears that the problems in the elementary schools of Australia are in many ways much the same as those in the United States—lack of adequate science background of teachers in the elementary schools, need for a better organized curriculum, and so on. The book will be of some use to curriculum workers, to teachers' college personnel charged with the education of teachers, and to those interested in in-service teacher education. The vast task of educating elementary teachers for their job of effective science instruction appears to be as urgent to our neighbors as it does to us. There is a summary chart showing, in brief outline form, the science curriculum in various sections of Australia at the present time.

GLENN O. BLOUGH

University of Maryland

New Books

In Search of Man. André Missenard. Translated by Lawrence G. Blochman. Hawthorn Books, New York, 1957. 348 pp. \$5.95.

An Introduction to Method in Psychology. W. M. O'Neil. Melbourne University Press, Carlton, Victoria, Australia, 1957 (order from Cambridge University Press, New York). 164 pp. \$4.50.

Industrial Chemicals. W. L. Faith, Donald B. Keyes, Ronald L. Clark. Wiley, New York; Chapman & Hall, London, ed. 2, 1957. 853 pp. \$16.

The Human Sum. C. H. Rolph, Ed. Macmillan, New York, 1957. 238 pp. \$3.75.

Exploring the Atmosphere's First Mile. vol. I, *Instrumentation and Data Evaluation*; vol. II, *Site Description and Data Tabulation.* Proceedings of the Great Plains Turbulence Field Program 1 Aug.–8 Sept. 1953, O'Neill, Nebraska. Heinz H. Lettau and Ben Davidson, Eds. Pergamon Press, New York and London, 1957. 592 pp. \$20.

Buddhist Himalaya. Travels and studies in quest of the origins and nature of Tibetan religion. D. L. Snellgrove. Philosophical Library, New York, 1957. 336 pp. \$10.

Integral Equations. And their applications to certain problems in mechanics, mathematical physics and technology. S. G. Mikhailin. Translated from the Russian by A. H. Armstrong. Pergamon Press, New York and London, 1957. 350 pp. \$12.50.

The Exact Sciences in Antiquity. O. Neugebauer. Brown University Press, Providence, R.I., ed. 2, 1957. 256 pp. \$6.

Information Systems in Documentation. J. H. Shera, A. Kent, J. W. Perry. Interscience, New York, 1957. 658 pp. \$12.

Tracer Applications for the Study of Organic Reactions. John G. Burr, Jr. Interscience, New York, 1957. 301 pp. \$7.50.

Araucanian Child Life and Its Cultural Background. Smithsonian Misc. Collections, vol. 133. Sister M. Inez Hilger. Smithsonian Institution, Washington, 1957. 459 pp.

Traité de Chimie Biologique. vol. 1, *Aminoacides, Protéines, Portéases, Nucléines, Porphyrines, Enzymes Respiratoires.* Louis Genevois. Presses Universitaires de France, Paris, 1957. 333 pp. F. 1800.

Applied Hydro- and Aeromechanics. Based on lectures of L. Prandtl. O. G. Tietjens. Translated by J. P. Den Hartog. Dover, New York, 1957. 327 pp. \$1.85.

Psychological Development Through the Life Span. Sidney L. Pressey and Raymond G. Kuhlen. Harper, New York, 1957. 680 pp. \$6.

Quantitative Plant Ecology. P. Greig-Smith. Academic Press, New York; Butterworths, London, 1957. 208 pp. \$6.

Insights into Modern Mathematics. Twenty-third yearbook. National Council of Teachers of Mathematics, Washington, 1957. 448 pp. \$5.75.

Scientific American Books. Lives in Science, 274 pp.; *New Chemistry,* 206 pp.; *Plant Life,* 237 pp. By the editors of *Scientific American.* Simon and Schuster, New York, 1957. \$1.45 each.

Shock and Circulatory Homeostasis. Transactions of the Fifth Conference, 30 Nov.–2 Dec. 1955, Princeton, N.J. Harold D. Green, Ed. Josiah Macy, Jr. Foundation, New York, 1957. 337 pp. \$4.75.

Inorganic Syntheses. Therald Moeller, Ed. McGraw-Hill, New York, 1957. 279 pp. \$6.

Economics of Atomic Energy. Mary Goldring. Philosophical Library, New York, 1957. 184 pp. \$6.

Atomic Energy in Agriculture. William E. Dick. Philosophical Library, New York, 1957. 160 pp. \$6.

Fossil Men. Marcellin Boule and Henri V. Vallois. Translated by Michael Bullock. Dryden Press, New York, 1957. 560 pp. \$9.50.

Miscellaneous Publications

(Inquiries concerning these publications should be addressed, not to Science, but to the publisher or agency sponsoring the publication.)

Pest Infestation Research 1956. The report of the Pest Infestation Research Board with the report of the director of pest infestation research. 64 pp. \$0.86.

Fuel Research, 1956. Report of the Fuel Research Board with the report of the director of fuel research for 1956. 80 pp. \$0.86. Department of Scientific and Industrial Research, London, 1957 (order from British Information Services, 45 Rockefeller Plaza, New York 20).

Preparation of Mutually Consistent Magnetic Charts. Geophysical Research Paper No. 55. ASTIA Document No. AD 117268. P. Fougere and J. McClay. Geophysics Research Directorate, Air Force Cambridge Research Center, Bedford, Mass., 1957 (order from ASTIA, Document Service Center, Dayton 2, Ohio). 44 pp.

Spherical Waves of Finite Amplitude. WADC Tech. Rept. 57-463. ASTIA Document No. AD 130949. Donald T. Laird, Eugene Ackerman, James B. Randels, Hans L. Oestreicher. 125 pp. *WAF Trainee Body Dimensions: A Correlation Matrix.* WADC Tech. Rept. 57-197. ASTIA Document No. 118161. Edmund Churchill and Katherine Bernhardt. 75 pp. *Estimation of the Mass of Body Segments.* WADC Tech. Rept. 57-260. ASTIA Document No. 118222. James T. Barter. 10 pp. Wright Air Development Center, Wright-Patterson Air Force Base, Ohio, 1957 (order from ASTIA Document Service Center, Knott Building, Dayton 2).

National Research Council of Canada, 1956-57, Fortieth Annual Report. Including the annual report of Canadian Patents and Development Limited. The Council, Ottawa, Canada, 1957. 120 pp.

Economic Geography of Ohio. Bull. 50. Alfred J. Wright. Division of Geological Survey, Columbus, Ohio, ed. 2, 1957. 263 pp.

Some Littoral Barnacles from the Tuamotu, Marshall, and Caroline Islands. Proceedings of the U.S. National Museum, vol. 107. Dora Priaux Henry. Smithsonian Institution, Washington, 1957. 14 pp.

Vocational Training and Rehabilitation of Exceptional Children. Proceedings of the 1957 spring conference of the Woods Schools, held in Chicago 10-11 May. Woods School, Langhorne, Penn., 1957. 144 pp.

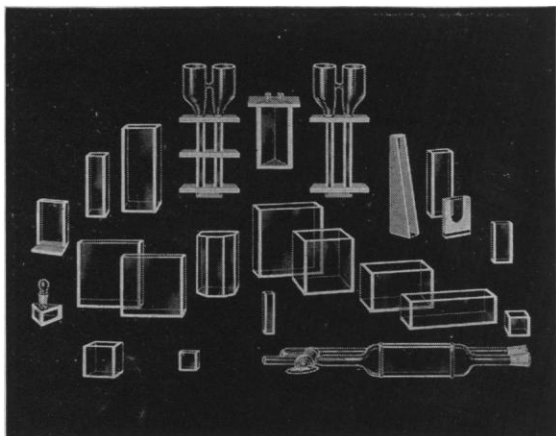
United States Atomic Energy Commission, 1957 Financial Report. U.S. Atomic Energy Commission, Washington, 1957. 39 pp.

Oak Ridge Institute of Nuclear Studies, Eleventh Annual Report. Operating under contract with the U.S. Atomic Energy Commission. The Institute, Oak Ridge, Tenn., 1957. 86 pp.

Helen Hay Whitney Foundation, Third Report. 1 Jan. 1955-30 June 1957. The Foundation, 525 E. 68 Street, New York 21, 1957. 33 pp.

Zinc Oxide Rediscovered. Harvey E. Brown. New Jersey Zinc Co., New York 38, 1957. 99 pp. \$3.

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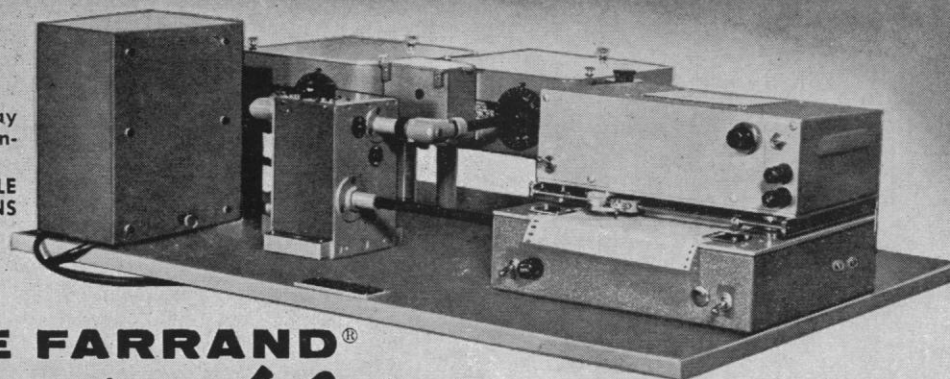
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