

by others. This extent of detail is normally required of those who advance claims for the therapeutic usefulness of a new drug.

The book refers to experiments on spontaneous tumors in dogs and cats. The number and reproducibility of these experiments on such notably unreliable investigative materials are not impressive.

There is much reference, of a general nature, to defense mechanisms against cancer, spontaneous regressions of the disease, and the role in cancer of the reticuloendothelial system. These references are of a conventional type, from statements of others hallowed by long usage but without documentation.

The clinical reports presented do not lend themselves to analysis or permit any conclusion about the validity of the authors' claims. Similar claims have been examined, repeatedly, by responsible agencies and found to be invalid. One would hope, therefore, that the ones published in this document would be carefully reviewed by impartial and informed individuals, and endorsed, before they are accepted.

C. P. RHOADS

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The Menninger Story. Walker Winslow. Doubleday, Garden City, N.Y., 1956. 350 pp.+ plates. \$5.

Mayos at Rochester, Minnesota, then Menningers at Topeka, Kansas; Mayos for surgery, Menningers for mental health. Judged from the stories of these clinics, surgical therapy antedated emphasis on health of spirit, mind, and body as exemplified at Topeka.

The Menninger Story is biography. Its central figure is Dr. Charles Frederick. But of almost equal concern are sons, Karl and William, with their mother, Flo, and brother, Edwin, also in the picture. It might be considered the success story of a lad, born into a German family but recently come from Switzerland, who before his death could be credited with an almost complete reversal in national attitude toward mental ill health. But Dr. C. F., however, would not have favored this as the emphasis in a biography of himself. For him *The Menninger Story* would be a history of a change of emphasis of health service from therapy for an organic pathology to that for a person *in toto*. He wished the patient, not the specialty, to be of first concern.

Professionally Dr. C. F. faced opposition throughout most of the 60-odd years of his medical career. In the last decade, however, his sons carried the fight against public inertia and professional apathy. An unexpected factor in

the story is that education functioned markedly in the changes achieved. In that participation, education gave a triple service. First, it transformed a narrowly trained homeopathic medic into a family practitioner acceptable to both his community and fellow-physicians of other schools of medicine. Second, education became an integral part of the therapy, especially with those patients with mental illness. Then there was the extension of the educational out-reach that ultimately brought an improved administration and treatment for patients in state hospitals.

The word *story* in the title is significant. The author has shown skill both in recording history and in doing it in a manner that is attention-holding to the end. And not least significant, the reader is likely to experience a marked change in his estimate of mental illness and its therapy as he reads.

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Books Reviewed in

The Scientific Monthly, February

The Search beneath the Sea, J. L. B. Smith (Holt). Reviewed by A. S. Romer.

Greek Science in Antiquity, M. Clagett (Abelard-Schuman). Reviewed by R. P. Multhauf.

Opinions and Personality, M. B. Smith, J. S. Bruner, and R. W. White (Wiley; Chapman & Hall). Reviewed by M. J. Rosenberg.

The Wheat Industry in Australia, A. R. Callaghan and A. J. Millington (Angus and Robertson). Reviewed by J. Hancock.

Between the Planets, F. G. Watson (Harvard Univ. Press). Reviewed by R. Fleischer.

Proceedings of the Third Berkeley Symposium on Mathematical Statistics and Probability, vol. IV, J. Neyman, Ed. (Univ. of California Press). Reviewed by G. E. Bates.

Toward a Unified Theory of Human Behavior, R. R. Grinker and H. M. Hughes, Eds. (Basic Books). Reviewed by R. H. Knapp.

Handbook of Biological Data, W. S. Spector, Ed. (Saunders). Reviewed by T. C. Byerly.

Introduction to Microfossils, D. J. Jones (Harper). Reviewed by E. W. Berry.

Fun with Figures, J. A. H. Hunter (Oxford Univ. Press).

Corn and Its Early Fathers, H. A. Wallace and W. L. Brown (Michigan State Univ. Press). Reviewed by W. R. Singleton.

Aquatic Insects of California, with Keys to North American Genera and California Species, R. L. Usinger, Ed. (Univ. of California Press). Reviewed by J. H. Young.

In Search of Adam, H. Wendt (Houghton Mifflin). Reviewed by L. J. and M. Milne.

New Books

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Modern Methods of Microscopy. A series of papers reprinted from *Research*. A. E. J. Vickers. Butterworths, London, 1956. 114 pp. \$3.50.

Must Men Starve? The Malthusian controversy. Jacob Oser. Abelard-Schuman, New York, 1957. 331 pp. \$4.50.

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Remarks on the Foundations of Mathematics. Ludwig Wittgenstein. Translated by G. E. M. Anscombe. G. H. von Wright, R. Rhees, and G. E. M. Anscombe, Eds. Macmillan, New York, 1956. 204 pp. \$5.75.

The Milky Way. Bart J. Bok and Priscilla F. Bok. Harvard University Press, Cambridge, Mass., ed. 3, 1957. 269 pp. \$5.50.

Elements of Partial Differential Equations. Ian N. Sneddon. McGraw-Hill, New York, 1957. 327 pp. \$7.50.

Engineering Structural Failure. The causes and results of failure in modern structures of various types. Rolt Hammond. Philosophical Library, New York, 1957. 224 pp. \$12.

Vastness of the Sea. Adventure in the mysterious depths. Bernard Gorsky. Translated from the French by Alec Brown. Little, Brown, Boston, 1957. 305 pp. \$5.

Physics. John S. Marshall and Elton R. Pounder. Macmillan, New York, 1957. 906 pp. \$8.50.

pH Measurements. Their theory and practice. Methuen, London; Wiley, New York, 1956. 125 pp. \$2.25.

Lectures in Immunochemistry. Michael Heidelberger. Academic Press, New York, 1956. 150 pp. \$4.

Chain Reactions, an Introduction. F. S. Dainton. Methuen, London; Wiley, New York, 1956. 183 pp. \$2.90.

A Million Years of Human Progress. Ira D. Cardiff. Pageant Press, New York, rev. ed., 1955. 146 pp. \$2.50.

Elements of Engineering Materials. Charles P. Bacha, Joseph L. Schwalje, and Anthony J. Del Mastro. Harper, New York, 1957. 494 pp. \$6.50.

Organic Analysis, vol. III. John Mitchell, Jr., I. M. Kolthoff, E. S. Proskauer, and A. Weissberger, Editorial Board. Interscience, New York, 1956. 546 pp. \$11.50.

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Elasticity, Fracture and Flow. J. C. Jaeger. Methuen, London; Wiley, New York, 1956. 152 pp.

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