ported in due detail. Even though the retina is known to map in reasonably homologous fashion onto parts of the visual cortex, one must be cautioned that at its most optimistically expected best phosphene-induced "vision" will not be anything like the exquisite view provided by a functioning intact human visual system, and at its worst it could be an annoying display of uninformative lights. Uncertainty as to what degree of "vision" actually could be achieved with a prosthesis is a frequently echoed theme in the pages of the book, the doubts usually being ascribed to an insufficiency of experimental data. It is interesting to note that several of the professionally employed blind people whose comments appear in the book seemed the least interested in having a prosthesis of the general class discussed here.

The interdisciplinary nature of the topic and the book stems from involvement with aspects of visual physiology, neurosurgery, engineering, and computer science. Some controversy as to the relative importance of these several disciplines is evident in the book, and is to be expected considering that the contributors tend to be spirited proponents of their own disciplines. This has led to the exceptionally broad coverage one finds in the book.

The book is valuable because almost all current workers in the field are either represented or referred to. The large sections devoted to dialogues between participants are most valuable. Some sensory aids for the blind that do not depend on surgical intervention are mentioned. These are perhaps out of place in this volume, but the authors have attempted to develop points of relevance to the principal topic so that their inclusion provides a good supplement.

The unexpectedly large number of typographic errors does not detract from the worth of the book, which has been published at what seems a most propitious time. Advances in each of the disciplines cited above seem to be pointing with promise toward the possibility of some form of human visual prosthesis. Analogous advances are probably still required in the general medical and biological areas to clear the way for routine long-time implantation of electrically active devices.

HOWARD FREIBERGER Research and Development Division, Prosthetic and Sensory Aids Service, Veterans Administration, New York City

A Biomedical Science

Progress in Parasitology. P. C. C. GARN-HAM. Athlone, London, 1971 (U.S. distributor, Oxford University Press, New York). xii, 244 pp. + plates. \$9.75. University of London Heath Clark Lectures, 1968.

Although its title leads one to expect that this book is narrowly technical, Garnham's book, a personal account of a scientist looking upon a lifetime of experience, knowledge he has contributed, and progress he has witnessed, shared, and initiated in a branch of science to which he devoted a generous segment of his life, is written in a style that will make it comprehensible to the individual of limited exposure to science as well as useful to the teacher and the professional scientist. It is a refreshing review and account of advances in a specialized field with experiences familiar and principles applicable to any branch of science.

Concise, well-defined introductory material enhanced by examples the author has selected from his vast experience in the clinic, field, and laboratory sets the scene into which he introduces two chapters on "the parasitic life," subtitled "Problems of the parasite" and "Problems of the parasitologist." Parasites are likened to "commuters on suburban railways" maintaining "a regular time table" and being "compelled to do so in order to catch the bus to their next destination." What must be considered in the selection and completion of a scientific problem, including ethical, personal problems and publication of data, is discussed. The young parasitologist, whom the author addresses in particular, is made aware of some of the areas of parasitology that have offered challenges in the past and that still do. The author discusses facilities and opportunities for research in institutions throughout the world. He recounts his own experiences as a researcher at these institutions, thus informing the young parasitologist where the greatest challenges exist and where best to take them up.

The concluding chapter discusses "some great parasitologists of the past." Twelve personalities are selected on the basis of national origin rather than scientific discipline. Garnham believes that "each race has its own particular contribution to make, an attitude to the subject or a peculiar insight, which is distinctive as the different schools of nationalistic music." All the parasitologists discussed were born in the 19th and died in the 20th century. All pur-

sued the study of life cycles, seeking through their experiments measures for the control of disease. The majority founded centers of learning attracting zealous students who followed in their footsteps. Garnham introduces each with an imaginative, vivid, often poetic description of his birthplace, enabling the reader to visualize the environment and familial ties that nurtured him and contributed to his success. This is followed by a summary of the individual's discoveries and contributions and the importance of his work in the light of present-day advances. Garnham successfully conveys those invaluable personal qualities that each possessed and gives the reader intimate details of each unique personality, based in most cases on his knowledge of the person directly or indirectly through family, intimates, or colleagues or from careful selection of details given in biographies.

To the reviewer, who holds Garnham in great esteem, this small volume reads well and pleasantly unfolds the life, hopes, and achievements of its author, himself an outstanding and unique personality in the community of parasitologists.

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Books Received

Abridged Thermodynamic and Thermochemical Tables. SI Units. F. D. Hamblin. Pergamon, New York, 1971. x, 80 pp. Cloth, \$4; paper, \$2.35. Commonwealth and International Library.

Abstract Algebra and Solution by Radicals. John E. Maxfield and Margaret W. Maxfield. Saunders, Philadelphia, 1971. xii, 204 pp., illus. \$9.75.

Bio-Learning Guide. C. Benjamin Meleca, Phyllis E. Jackson, and Roger K. Burnard. Illustrations by David M. Dennis. Burgess, Minneapolis, 1971. Variously paged, illus. Paper, \$4.50. Bio-Learning Notes. An Independent Study Guide. iv, 268 pp. Paper, \$3.95.

Biological Techniques in Electron Microscopy. Clinton J. Dawes. Barnes and Noble, New York, 1971. xiv, 194 pp., illus. Paper, \$4.95.

Calculus Two. Linear and Nonlinear Functions. Francis J. Flanigan and Jerry L. Kazdan. Prentice-Hall, Englewood Cliffs, N.J., 1971. xvi, 443 pp., illus. \$10.95

The Control of Eye Movements. A symposium, San Francisco, November 1969. Paul Bach-y-Rita, Carter C. Collins, and Jane E. Hyde, Eds. Academic Press, New York, 1971. x, 560 pp., illus. \$14.50.

(Continued on page 1053)

(Continued from page 1015)

Crystallography and Crystal Defects. A. Kelly and G. W. Groves. Addison-Wesley, Reading Mass., 1971. xii, 428 pp. + plates.

Defect Electronics in Semiconductors. Herbert F. Mataré. Wiley-Interscience, New York, 1971. xii, 640 pp., illus. \$24.95.

Design of Solid-State Power Supplies. Eugene R. Hnatek. Van Nostrand Reinhold, New York, 1971. xvi, 444 pp., illus.

Experimental Studies on the Nature of Species. Vol. 5, Biosystematics, Genetics, and Physiological Ecology of the Erythranthe Section of Mimulus. William M. Hiesey, Malcolm A. Nobs, and Olle Bjorkman. Carnegie Institution of Washington, Washington, D.C., 1971. vi, 214 pp., illus. Cloth, \$7.90; Paper, \$6.75. Carnegie Institution of Washington Publication 628.

Finite Mathematics and Calculus. Mathematics for the Social and Management Sciences. Guillermo Owen and M. Evans Munroe. Saunders, Philadelphia, 1971. x, 598 pp., illus. \$10.50.

Goals and Means in the Conquest of

Space. R. G. Perel'man. Translation of the Russian edition (Moscow, 1967). National Aeronautics and Space Administration, Washington, D.C., 1971 (available as NASA TT F-595 from the National Technical Information Center, Springfield, Va.). vi, 178 pp., illus. Paper, \$3.

Handbook of Laboratory Unit Operations for Chemists and Chemical Engineers. Jan Pinkava. Translated from the Czech by J. Bryant. Gordon and Breach, New York, 1971. xvi, 470 pp., illus. \$29.50.

Hippocrates. Edwin Burton Levine. Twayne, New York, 1971. ii, 172 pp.

In Vitro Methods in Reproductive Cell Biology. Transactions of a symposium, Geneva, January 1971. E. Diczfalusy and A. Diczfalusy, Eds. Reproductive Endocrinology Research Unit, Karolinska Institute, Stockholm, 1971. 358 pp., illus. Karolinska Symposia on Research Methods in Reproductive Endocrinology. Also published as Acta Endocrinologica Suppl. No.

The Kidney. Morphology, Biochemistry, Physiology. Vol. 4. Charles Rouiller and Alex F. Muller, Eds. Academic Press, New York, 1971. xiv, 430 pp., illus. \$25.

Large Sparse Sets of Linear Equations. Proceedings of a conference, Oxford, April 1970. J. K. Reid, Ed. Academic Press, New York, 1971. x, 284 pp., illus. \$16.

Mezquites y Huizaches. Algunos aspectos de la economia, ecologia y taxonomia de los generos, Prosopis y Acacia en Mexico. Federico Gómez Lorence, Jacqueline Signoret Poillon, and Maris del Carlmen Abúin Moreiras. Instituto Mexicana de Recursos Naturales Renovables, Mexico City, 1970. x, 194 pp., illus. Paper.

Modern Physics and Quantum Mechanics. Elmer E. Anderson. Saunders, Philadelphia, 1971. xii, 430 pp., illus.

Monographs and Papers in Maya Archaeology. William R. Bullard, Jr., Ed.



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FOLK SONG STYLE AND CULTURE

A Staff Report on Cantometrics

Editor: Alan Lomax

384 pp., $7\frac{1}{2} \times 10\frac{1}{4}$, Illustrations, Bibliography, Index, 1968. 2nd Printing 1971. AAAS members' cash orders \$14.50. Regular price \$16.75.

Working with a large sample of recorded songs and filmed dances from all world culture areas, the Cantometrics Project has discovered some of the ways in which song and dance style vary by culture area. Strong statistical relationships have been established between a set of basic factors of social and economic structure and performance style. The book reports on an imaginative yet rigorous exploration of the paralinguistic and parakinesic realms and a thoroughgoing test of the hypothesis that factors of culture style are primary forces in shaping all human behavior. Performance style here becomes a psychocultural indicator, and, for the first time, the social and cultural import of the expressive act is firmly established.

American Association for the Advancement of Science 1515 Massachusetts Ave., NW Washington, D.C. 20005 Peabody Museum of Archaeology and Ethnology, Cambridge, Mass., 1970. x, 502 pp., illus. \$13.50. Papers of the Peabody Museum, vol. 61.

Morphological and Functional Aspects of Immunity. Proceedings of a conference, Uppsala, Sweden, September 1970. Kerstin Lindahl-Kiessling, G. Alm, and M. G. Hanna, Jr., Eds. Plenum, New York, 1971. xxviii, 694 pp., illus. \$28. Advances in Experimental Medicine and Biology, vol. 12.

The Neolithic Revolution. Sonia Cole. British Museum (Natural History), London, ed. 5, 1970. xii, 72 pp. + plates. Paper.

Neuroscience, A Laboratory Manual. James E. Skinner, Saunders, Philadelphia, 1971, x. 244 pp., illus, Paper, \$6.95.

1971. x, 244 pp., illus. Paper, \$6.95.

The Numerical Performance of Variational Methods. S. G. Mikhlin. Translated from the Russian by R. S. Anderssen. Wolters-Noordhoff, Groningen, Netherlands, 1971. xxiv, 374 pp.

Of Microbes and Life. Jacques Monod and Ernest Borek, Eds. Columbia University Press, New York, 1971. xx, 312 pp., illus. \$12.50.

On Relief. The Economics of Poverty and Public Welfare. Bruno Stein. Basic Books, New York, 1971. xii, 212 pp. \$6.95

Physical Measurements and the International (SI) System of Units. Robert A. Ackley. Technical Publications, San Diego, Calif., ed. 3, 1971. viii, 88 pp., illus. Paper, \$1.75.

Physics in India. Challenges and Opportunities. Proceedings of a conference, Srinagar, June 1970. National Council for Science Education, New Delhi, 1971. xiv, 324 pp. Paper, \$4.

Physics of Thin Films. Advances in Research and Development. Vol. 6. Maurice H. Francombe and Richard W. Hoffman, Eds. Academic Press, New York, 1971. xiv, 370 pp., illus. \$19.50.

The Physiology of Hostility. K. E. Moyer. Markham, Chicago, 1971. x, 194 pp., illus. \$7.50.

The Pineal Gland. A Ciba Foundation symposium, London, June 1970. G. E. W. Wolstenholme and Julie Knight, Eds. Churchill Livingstone, Edinburgh, 1971 (U.S. distributor, Williams and Wilkins, Baltimore, Md.). xii, 402 pp., illus. \$14.50.

The Place of Value in a World of Facts. Proceedings of the Fourteenth Nobel Symposium, Stockholm, September 1969. Arne Tiselius and Sam Nilsson, Eds. Almqvist and Wiksell, Stockholm, and Wiley Interscience, New York, 1971. 496 pp., illus. \$14.95.

Planetary Atmospheres. International Astronomical Union Symposium No. 40, Marfa, Tex., October 1969. Carl Sagan, Tobias C. Owen, and Harlan J. Smith, Eds. Published for the International Astronomical Union by Reidel, Dordrecht, Netherlands, and Springer-Verlag, New York, 1971. xviii, 408 pp., illus. \$25.

Politics and the Stages of Growth. W. W. Rostow. Cambridge University Press, New York, 1971. xiv, 410 pp. Cloth, \$9.50; paper, \$3.95.

The Politics of Ecosuicide. Leslie L. Roos, Jr., Ed. Holt, Rinehart and Winston, New York, 1971. viii, 404 pp., illus. Paper,

Prehistoric Agriculture. Stuart Struever,

Ed. Published for the American Museum of Natural History by the Natural History Press, Garden City, N.Y., 1971. x, 735 pp. Cloth, \$9.95; paper, \$4.95. American Museum Sourcebooks in Anthropology.

Principles of Activation Analysis. Paul Kruger. Wiley-Interscience, New York, 1971. xii, 522 pp., illus. \$25.

Principles of Astronomy. Stanley P. Wyatt. Allyn and Bacon, Boston, ed. 2, 1971. xvi, 686 pp. + plates. \$14.95.

Probes of Structure and Function of Macromolecules and Membranes. Vol. 1, Probes and Membrane Function. Proceedings of a colloquium, Philadelphia, April 1969. Britton Chance, Chuan-pu Lee, and J. Kent Blasie, Eds. Academic Press, New York, 1971. xxx, 552 pp., illus. \$13.50. Johnson Research Foundation Colloquia.

Probes of Structure and Function of Macromolecules and Membranes. Vol. 2, Probes of Enzymes and Hemoproteins. Proceedings of a colloquium, Philadelphia, April 1969. Britton Chance, Takashi, Yonetani, and Albert S. Mildvan, Eds. Academic Press, New York, 1971. xxviii, 626 pp., illus. \$14. Johnson Research Foundation Colloquia.

Probit Analysis. D. J. Finney. Cambridge University Press, New York, ed. 3, 1971. xvi, 334 pp., illus., + foldout chart. \$18.50.

Proceedings of the North American Paleontological Convention. Chicago, September 1969. Ellis L. Yochelson, Ed. Part G, Ultra Microplankton, ii + pp. 703–1010, \$15; part H, Evolution of Higher Categories, ii + pp. 1011–1152, \$5.75; part I, Extraordinary Fossils, ii + pp. 1153–1270, \$5; part J, Reef Organisms Through Time, ii + pp. 1271–1482, \$11; part K, Phosphate in Fossils, ii + pp. 1483–1562, \$3.50; part L, Cretaceous Biogeography, ii + pp. 1563–1674, \$5. Allen, Lawrence, Kan., 1971. Illus. Paper. Bound volume, parts G–L, \$45.

The Professions. Roles and Rules. Wilbert E. Moore, in collaboration with Gerald W. Rosenblum. Russell Sage Foundation, New York, 1971. xiv, 316 pp. \$8.95.

Progress in Physical Organic Chemistry. Vol. 8. Andrew Streitwieser, Jr., and Robert W. Taft, Eds. Wiley-Interscience, New York, 1971. viii, 360 pp., illus. \$22.50.

The Psychology of Commitment. Experiments Linking Behavior to Belief. Charles A. Kiesler. Academic Press, New York, 1971. xiv, 190 pp., illus. \$9.95. Social Psychology Series.

Quasars and Pulsars. Dewey B. Larson. North Pacific, Portland, Ore., 1971. xii, 180 pp., illus. \$6.50. Reprint of the 1959 edition.

The Radio Universe. J. S. Hey. Pergamon, New York, 1971. viii, 248 pp., illus. \$6.75.

Reactions under Plasma Conditions. M. Venugopalan, Ed. Wiley-Interscience, New York, 1971. Vol. 1, xiv, 600 pp., illus.; vol. 2, xiv, 608 pp., illus. \$29.95 each volume.

Readings in Evaluation Research. Francis G. Caro, Ed. Russell Sage Foundation, New York, 1971. xiv, 418 pp., illus. \$12.50

Relativistic Astrophysics. Vol. 1, Stars and Relativity. Ya. B. Zeldovich and I. D. Novikov. Translated from the Russian by Eli Arlock Kip S. Thorne and W. David Arnett, Transl. Eds. University of Chicago

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Press, Chicago, 1971. xviii, 522 pp., illus. \$24.

Religion, Politics, and History in India. Collected Papers in Indian Sociology. Louis Dumont. Mouton, Paris, 1971. x, 166 pp. 33 F. Le Monde d'Outre-Mer Passé et Présent, No. 34.

Requiem for Democracy? Lewis M. Andrews and Marvin Karlins. Holt, Rinehart and Winston, New York, 1971. xii, 148 pp. + plates. Paper, \$4.

The Role of Science and Technology in Developing Countries. Graham Jones. Published for the International Council of Scientific Unions by Oxford University Press, New York, 1971. xiv, 174 pp. Cloth, \$5.75; paper, \$2.50.

Science in America. Historical Selections. John C. Burnham, Ed. Holt, Rinehart and Winston, New York, 1971. xii, 496 pp. Paper, \$6.

Some Aspects of the Aetiology and Biochemistry of Prostatic Cancer. Proceedings of a workshop. K. Griffiths and C. G. Pierrepoint, Eds. Published for Tenovus Workshop Publication by Alpha Omega Alpha, Cardiff, United Kingdom, 1970. vi, 170 pp., illus.

Southern Arabia. Brian Doe. McGraw-Hill, New York, 1971. 268 pp. + plates. \$12.95. New Aspects of Antiquity Series.

Spectrométrie d'Absorption Atomique. Maurice Pinta. Vol. 1, Problèmes Généraux, vi + pp. 1-286, illus. + index, 110 F; vol. 2, Application à l'Analyse Chimique, iv + pp. 287-794, illus. + index, 185 F. Masson and O.R.S.T.O.M., Paris, 1971.

Statistical Methods in Medical Research.
P. Armitage. Wiley, New York, 1971.
xvi, 504 pp., illus. \$16.
Systems Analysis and Simulation in

Systems Analysis and Simulation in Ecology. Vol. 1. Bernard C. Patten, Ed. Academic Press, New York, 1971. xvi, 608 pp., illus. \$27.50.

Systems Analysis for Engineers and Managers. Richard de Neufville and Joseph H. Stafford. McGraw-Hill, New York, 1971. xiv, 354 pp., illus. \$14.55.

Tables of Spectral Lines. A. N. Zaidel', V. K. Prokof'ev, S. M. Raiskii, V. A. Slavnyi, and E. Ya Shreider. Translated from the Russian edition (Moscow, 1969). IFI/Plenum, New York, 1970. 782 pp. \$45.

The Theory. Peter B. Horsley. Vantage, New York, 1971. 218 pp., illus. \$4.95.

Theory of Intermolecular Forces. H. Margenau and N. R. Kestner. Pergamon, New York, ed. 2, 1971. xii, 400 pp., illus. \$18.75. International Series of Monographs in Natural Philosophy.

The Theory of Linear Systems. J. E. Rubio. Academic Press, New York, 1971. xii, 332 pp. \$14. Electrical Science Series.

Thermal Conductivity. Metallic Elements and Alloys. Y. S. Touloukian, R. W. Powell, C. Y. Ho, and P. G. Klemens. IFI/Plenum, New York, 1970. xxviii, 1516 pp., illus. \$95. Thermophysical Properties of Matter, vol. 1. The TPRC Data Series.

Thermal Conductivity. Nonmetallic Solids. Y. S. Touloukian, R. W. Powell, C. Y. Ho, and P. G. Klemens. IFI/Plenum, New York, 1970. xxx, 1218 pp., illus. \$85. Thermophysical Properties of Matter, vol. 2. The TPRC Data Series.

Thrombosis and Embolism. A symposium, Fredensborg, Denmark, October 1969. Huber, Bern, 1971. 114 pp., illus. DM 39.

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