

Chiu, F. Pacini, P. Goldreich, and J. Ostriker. Since most of these chapters were given to an audience where the goal was immediate clarity, there is an abundance of good explanation which gets the ideas across far more effectively than is often the case with a succinct written paper. No doubt this is an excellent place to absorb the essentials of the pulsar theories, although the reader, along with the writers, will come away repeating the final question put plaintively to Goldreich, "Well, what makes your pulsars pulse?"

This book is a good place to start on pulsars, but the newcomer should beware of some very massive black holes lurking in it. Any pulsar book which has only one sentence about solid crusts in neutron stars and no sentences about the extensive work on the timing of pulses from the Crab pulsar can't be all good.

F. D. DRAKE

National Astronomy and Ionosphere Center, Cornell University, Ithaca, New York

Books Received

The Accessible City. Wilfred Owen with the assistance of Inai Bradfield. Brookings Institution, Washington, D.C., 1972. x, 150 pp., illus. \$6.50.

Advances in Astronomy and Astrophysics. Vol. 9. Zdeněk Kopal, Ed. Academic Press, New York, 1972. xii, 248 pp., illus. \$16.50.

L'Alimentation Artificielle des Nappes Souterraines. Jean Bize, Lucien Bourguet, and Jacques Lemoine. Masson, Paris, 1972. vi, 200 pp., illus. Paper, 80 F.

Analytical Methods for Materials Investigation. George A. Kirkendale, Ed. Gordon and Breach, New York, 1971. x, 264 pp., illus. \$10.

Anatomy of the Monocotyledons. 6, Dioscoreales. E. S. Ayensu. Oxford University Press, New York, 1972. xii, 184 pp. + plates. \$20.50.

Annual Reviews of Industrial and Engineering Chemistry 1970. Vern W. Weekman, Jr., Ed. American Chemical Society, Washington, D.C., 1972. viii, 370 pp., illus. \$12.75.

Approximation of Elliptic Boundary-Value Problems. Jean-Pierre Aubin. Wiley-Interscience, New York, 1972. xx, 360 pp. \$17.95. Pure and Applied Mathematics, vol. 26.

Atlas of Animal Bones. For Prehistorians, Archaeologists and Quaternary Geologists. Knochenatlas. Für Prähistoriker, Archäologen und Quartärgeologen. Elisabeth Schmid. Drawings by Otto Garraux. Elsevier, New York, 1972. vii, 160 pp. \$29.

Bacterial Infections. Changes in Their Causative Agents, Trends and Possible Basis. A symposium, Grosse Ledder, Ger-

many, Oct. 1970. M. Finland, W. Marget, and K. Bartmann, Eds. Springer-Verlag, New York, 1971. viii, 232 pp., illus. \$15. Bayer-Symposium III.

Beginning Algebra. Mustafa A. Munem and William Tschirhart. Worth, New York, 1972. x, 460 pp., illus. \$7.95.

A Bibliography of Arizona Ornithology. Annotated. Anders H. Anderson. University of Arizona Press, Tucson, 1972. xii, 244 pp. Paper, \$7.95.

The Biochemical Consequences of Chronic Renal Failure. M. R. Wills. University Park Press, Baltimore, 1972. 218 pp., illus. \$12.50.

La Biologie des Abeilles Primitives. C. Plateaux-Quénu. Masson, Paris, 1972. iv, 200 pp., illus. 110 F. Collection "Les Grands Problèmes de la Biologie," Monographie 11.

Calculus of Vector Functions. Richard E. Williamson, Richard H. Crowell, and Hale F. Trotter. Prentice-Hall, Englewood Cliffs, N.J., ed. 3, 1972. xiv, 618 pp., illus. \$14.

Cellular Neurophysiology. A Source Book. Ian Cooke and Mack Lipkin, Jr., Eds. Holt, Rinehart and Winston, New York, 1972. xvi, 1040 pp., illus. Paper, \$15.

Coffee Bibliography. 1969-1970. F. Almeida Ribeiro. Missão de Estudos Agronomicos do Ultramar, Lisbon, 1972. Various pages. Paper. Comunicações, 77.

Computers and Society. R. W. Hamming. McGraw-Hill, New York, 1972. xii, 284 pp., illus. Paper, \$3.95. McGraw-Hill Computer Science Series.

Control and Development of Behavior. An Historical Sample from the Pens of Ethologists. Peter H. Klopfer and Jack P. Hailman, Eds. Addison-Wesley, Reading, Mass., 1972. xvi, 282 pp., illus. Paper, \$4.95.

Control of Renin Secretion. A workshop, Santa Ynes, Calif., Aug. 1971. Tatiana A. Assaykeen, Ed. Plenum, New York, 1972. xii, 290 pp., illus. \$17.50. Advances in Experimental Medicine and Biology, vol. 17.

Cosmic Plasma Physics. A conference, Frascati, Italy, Sept. 1971. Karl Schindler, Ed. Plenum, New York, 1972. xii, 370 pp., illus. \$22.50.

A Course in Biology. Jeffrey J. W. Baker and Garland E. Allen. Addison-Wesley, Reading, Mass., ed. 2, 1972. xiv, 530 pp., illus. Paper, \$6.95. Addison-Wesley Series in Life Science.

The Descent of Woman. Elaine Morgan. Stein and Day, New York, 1972. 258 pp. \$7.95.

Determination of Air Quality. A symposium, Los Angeles, Apr. 1971. Gleb Mamantov and W. D. Shults, Eds. Plenum, New York, 1972. xii, 198 pp., illus. \$13.50.

Differential Equations in Abstract Spaces. G. E. Ladas and V. Lakshmikantham. Academic Press, New York, 1972. xii, 218 pp. \$14.50. Mathematics in Science and Engineering, vol. 85.

The Digital Villain. Notes on the Numerology, Parapsychology, and Metaphysics of the Computer. Robert M. Baer. Addison-Wesley, Reading, Mass., 1972. iv, 188 pp., illus. Paper, \$2.95.

The Distributional History of the Biota

of the Southern Appalachians. Part 3, Vertebrates. A symposium, Blacksburg, Va., June 1970. Perry C. Holt, Robert A. Paterson, and John P. Hubbard, Eds. Virginia Polytechnic Institute and State University, Blacksburg, 1971. x, 306 pp., illus. Research Division Monograph 4.

Early Diagnosis of Human Genetic Defects. Scientific and Ethical Considerations. A symposium, Bethesda, Md., May 1970. Maureen Harris, Ed. U.S. Department of Health, Education, and Welfare, Washington, D.C., 1972 (available from the Superintendent of Documents, Washington, D.C.). x, 230 pp., illus. \$2.50. Fogarty International Center Proceedings No. 6. H.E.W. Publication No. (NIH) 72-25.

The Earth's Age and Geochronology. Derek York and Ronald M. Farquhar. Pergamon, New York, 1972. viii, 178 pp., illus. Paper, \$8.25. Commonwealth and International Library, Geophysics Division.

Economic Theory of Teams. Jacob Marschak and Roy Radner. Yale University Press, New Haven, Conn., 1972. x, 346 pp., illus. \$15. Cowles Foundation for Research in Economics, Monograph 22.

Electret Devices for Air Pollution Control. Thomas Kallard, Ed. Optosonic Press, New York, 1972. vii, 126 pp., illus. Paper, \$9.95. State of the Art Series, vol. 6.

Electrogenesis and Contractility in Skeletal Muscle Cells. Jozef Zachar. University Park Press, Baltimore; Slovak Academy of Sciences, Bratislava, 1972. 638 pp., illus. \$24.50.

Emotion in the Human Face. Guidelines for Research and an Integration of Findings. Paul Ekman, Wallace V. Friesen, and Phoebe Ellsworth. Pergamon, New York, 1972. xii, 192 pp. \$8.50. Pergamon General Psychology Series.

Environmental Management. Planning for Traffic. Jim Antoniou. McGraw-Hill, New York, 1972. 172 pp., illus. \$19.50.

Error-Correcting Codes. W. Wesley Peterson and E. J. Weldon, Jr. M.I.T. Press, Cambridge, Mass., ed. 2, 1972. xii, 560 pp., illus. \$18.50.

An Ethological Study of Children's Behavior. W. C. McGrew. Academic Press, New York, 1972. xiv, 258 pp., illus. \$10.50. Child Psychology Series.

The Euler-Mayer Correspondence (1751-1755). Eric G. Forbes. Elsevier, New York, 1972. x, 118 pp., illus. \$11.

The Evolution of Economic Society. An Introduction to Economics. Martin Gerhard Giesbrecht. Freeman, San Francisco, 1972. xviii, 354 pp., illus. Cloth, \$7.95; paper, \$3.95.

Experimental Abnormal Psychology. B. V. Zeigarnik. Translated from the Russian edition (Moscow, 1969) by Timothy C. Brock. Plenum, New York, 1972. viii, 158 pp., illus. \$17.50. Monographs in Psychology.

Factor Analysis as a Statistical Method. C. N. Lawley and A. E. Maxwell. Elsevier, New York, ed. 2, 1972. viii, 154 pp., illus. \$9.25.

Flowcharting. An Introductory Text and Workbook. John K. Lenher. Auerbach, Princeton, N.J., 1972. viii, 126 pp., illus. Paper, \$4. Auerbach Computer Science Series.

Flowing Gas-Solids Suspensions. R. G. (Continued on page 1262)

plenum
PUBLISHING CORPORATION

THE ENVIRONMENTAL DILEMMA

BIOCHEMICAL ECOLOGY OF WATER POLLUTION

By Patrick R. Dugan, The Ohio State Univ.

Deals with water pollution and its biological implications at the cellular and molecular levels.

159 Pages 1972 0-306-30540-2 \$14.50

THE CHEMISTRY AND BIOCHEMISTRY OF NITROGEN FIXATION

Edited by J. R. Postgate, Univ. of Sussex

A comprehensive survey, this volume describes recent advances in the field and discusses how they have influenced the background knowledge of chemistry, biochemistry, and physiology.

326 Pages 1972 0-306-30459-7 \$20.00

DETERMINATION OF AIR QUALITY

Edited by Gleb Mamantov, Univ. of Tenn. and W. D. Shults, Oak Ridge Natl. Laboratory

Examines recent developments in the analytical methodology of air quality and reviews present storage and handling activities, surveillance networks, correlative work with health effects, and efforts to combine several measured parameters into a single understandable value. The proceedings of an ACS symposium held in Los Angeles, California, April 1-2, 1971.

197 Pages 1972 0-306-30571-2 \$13.50

ELECTROCHEMISTRY OF CLEANER ENVIRONMENTS

Edited by John O'M. Bockris, Univ. of Pennsylvania

The only book which fully explores the potential of electrochemical power, it discusses such topics as the influence of fossil fuel combustion on the climate, batteries for vehicle propulsion, and the hydrogen economy and also offers techniques crucial to the problems of obtaining a pure atmosphere and uncontaminated water.

296 Pages 1972 0-306-30560-7 \$22.50

FREE DESCRIPTIVE
BROCHURES AVAILABLE
FROM THE PUBLISHERS
UPON REQUEST.

Prices subject to change without notice.

PLENUM PUBLISHING CORPORATION

Plenum Press • Consultants Bureau
IFI/Plenum Data Corp.

227 West 17th St., New York 10011

In U.K.: Plenum Publishing Co., Ltd.
Davis House, 8 Scrubs Lane
Harlesden, NW10 6SE, England

BOOKS RECEIVED

(Continued from page 1231)

Boothroyd. Chapman and Hall, London 1972 (U.S. distributor, Barnes and Noble, New York). xiv, 288 pp., illus. \$14.

The Functional and Evolutionary Biology of Primates. Papers from a symposium, Burg Wartenstein, Austria, July 1970. Russell Tuttle, Ed. Aldine-Atherton, Chicago, 1972. xii, 488 pp. + plates. \$15.

The Future of Man. A symposium, London, Apr. 1971. F. J. Ebling and G. W. Heath, Eds. Published for the Institute of Biology by Academic Press, New York, 1972. xviii, 212 pp., illus. \$8.95. Symposia of the Institute of Biology, No. 20.

General Chemistry. Principles and Modern Applications. Ralph H. Petrucci. Macmillan, New York, 1971. xxviii, 638 pp., illus. \$11.95.

The Great School Legend. A Revisionist Interpretation of American Public Education. Colin Greer. Basic Books, New York, 1972. xviii, 206 pp. \$6.95.

A Guide to Earth Satellites. David Fishlock, Ed. Macdonald, London; Elsevier, New York, 1972. xii, 160 pp., illus. \$7.95.

Handbook of Naturally Occurring Compounds. Vol. 2, Terpenes. T. K. Devan and A. I. Scott. Academic Press, New York, 1972. xii, 576 pp., illus. \$21.

Heat and Mass Transfer by Combined Forced and Natural Convection. A symposium, London, Sept. 1971. Institution of Mechanical Engineers, London, 1972. viii, 72 pp., illus. £4.05.

Human Resources and Labor Markets. Labor and Manpower in the American Economy. Sar A. Levitan, Garth L. Mangum, and Ray Marshall. Harper and Row, New York, 1972. xx, 620 pp., illus. \$12.95.

The Hydrogen Molecule Wavelength Tables of Gerhard Heinrich Dieke. H. M. Crosswhite, Ed. Wiley-Interscience, New York, 1972. xvi pp. + pp. E1-E14 + pp. T1-T616. \$19.95.

Immunologic Intervention. A conference, Augusta, Mich., Apr. 1971. Jonathan W. Uhr and Maurice Landy, Eds. Academic Press, New York, 1972. xiv, 336 pp., illus. \$12.50. Perspectives in Immunology.

In Touch with Students. A Philosophy for Teachers. John R. Campbell. Educational Affairs Publishers, Columbia, Mo., 1972. xiv, 368 pp., illus. Cloth, \$6.30; paper, \$3.95.

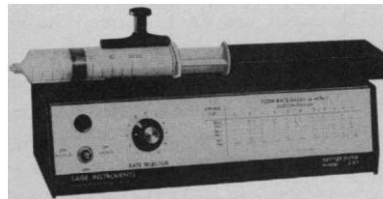
Information Processing Management. Ralph A. Szweda. Auerbach, Princeton, N.J., 1972. viii, 632 pp., illus. \$12.50.

Intermountain Flora. Vascular Plants of the Intermountain West, U.S.A. Vol. 1, Geological and Botanical History of the Region, Its Plant Geography and a Glossary. The Vascular Cryptogams and the Gymnosperms. Arthur Cronquist, Arthur H. Holmgren, Noel H. Holmgren, and James L. Reveal. Published for New York Botanical Garden by Hafner, New York, 1972. vi, 270 pp., illus. \$17.50.

Introduction to Atomic Physics. Harald A. Enge, M. Russell Wehr, and James A. Richards. Addison-Wesley, Reading, Mass., 1972. x, 486 pp., illus. \$14.50. Addison-Wesley Series in Physics.

Introduction to Mathematics for Life

Model 341



A LOT OF SYRINGE PUMP FOR \$250!

Ideal for continuous infusion. With any given syringe it covers a flow rate range of 2350 to 1, in 22 pre-calibrated steps — reproducible to 1%. Self-adjusting no-slip holder accepts syringes from μ l to 50 cc. Syringes automatically protected from overload breakage.

SAGE INSTRUMENTS

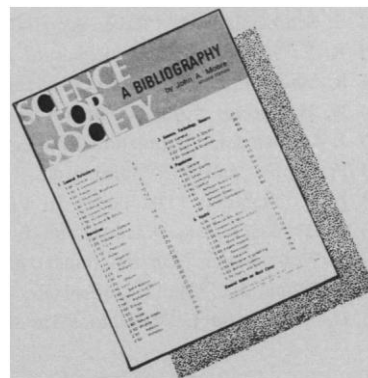
Division of Orion Research
11 Blackstone Street
Cambridge, Massachusetts 02139

Circle No. 132 on Readers' Service Card

SCIENCE FOR SOCIETY A BIBLIOGRAPHY

This 96-page compendium is a comprehensive and up-to-date reference work on books, journals, articles, and other literature dealing with issues of science and society. Primarily designed for use in physical science and social studies courses in high schools and colleges, this publication is useful both to scientists and laymen increasingly concerned with the subject.

Almost 4,000 references, many annotated, are included. John A. Moore, University of California, Riverside, is the author.



The bibliography is offered at the price of \$1.00 per copy, or 75¢ each for ten or more copies.

Orders should be addressed to

AAAS
AMERICAN ASSOCIATION for the
ADVANCEMENT of SCIENCE
1515 Massachusetts Avenue, N.W.
Washington, D.C. 20005

Scientists. Edward Batschelet. Springer-Verlag, New York, 1972. xiv, 496 pp., illus. \$15.30. Biomathematics, vol. 2.

An Introduction to Practical Biochemistry. David T. Plummer. McGraw-Hill, New York, 1972. xx, 370 pp., illus. Paper, \$10.95.

Introductory Chemistry. Gregory R. Choppin and Russell H. Johnsen. Addison-Wesley, Reading, Mass., 1972. xiv, 498 pp., illus. \$11.95. Addison-Wesley Series in Chemistry.

Invisible Colleges. Diffusion of Knowledge in Scientific Communities. Diana Crane. University of Chicago Press, Chicago, 1972. x, 214 pp., illus. \$9.

Invitation to Biology. Helena Curtis. Worth, New York, 1972. xlviii, 588 pp., illus. \$9.75.

Ions and Ion Pairs in Organic Reactions. Vol. 1. Michael Szwarc, Ed. Wiley-Interscience, New York, 1972. xii, 400 pp., illus. \$17.95.

Japanese Society. Chie Nakane. University of California Press, Berkeley, 1972. xii, 158 pp., illus. Paper, \$2.45. Publications of the Center for Japanese and Korean Studies. Reprint of the 1970 edition.

The Kinetic Isotope Method and Its Application. M. B. Neiman and D. Gál. Elsevier, New York, 1972. xiv, 310 pp., illus. \$29.50.

The Laboratory Detectives. How Science Traps the Criminal. Norman Lucas. Taplinger, New York, 1972. 206 pp. \$6.50.

Laboratory Manual for Introductory Chemistry. Otto W. Nitz and Nelva G. Runnalls. Brown, Dubuque, Iowa, ed. 4, 1972. viii, 328 pp., illus. Spiral bound, \$6.50.

Laboratory Manual of Genetics. A. M. Winchester. Brown, Dubuque, Iowa, ed. 2, 1972. iv, 136 pp., illus. Spiral bound, \$3.95.

Laboratory Studies in General, Organic, and Biological Chemistry. Harold L. Bird, Jr. Freeman, San Francisco, 1972. xii, 482 pp., illus. Paper, \$5.50. A Series of Laboratory Studies in General Chemistry.

Land Management in the '70s. Concepts and Models. A conference, Seattle, Sept. 1970. W. L. Bathke and W. A. Haney, Eds. San Francisco Press, San Francisco, 1972. x, 246 pp., illus. \$7.95.

Lateral Thinking. Creativity Step by Step. Edward de Bono. Harper and Row, New York, 1972. 300 pp., illus. \$8.95.

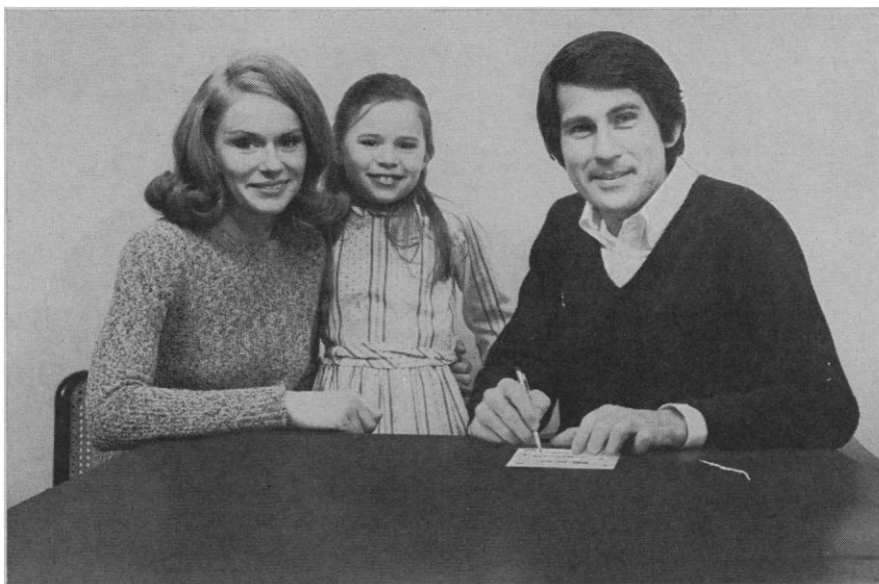
Life Cycles of Coccidia of Domestic Animals. Yevgeniy M. Kheysin. Kenneth S. Todd, Jr., Ed. Translated from the Russian edition (1967) by Frederick K. Plous, Jr. University Park Press, Baltimore, 1972. xii, 264 pp., illus. \$18.50.

Life Science. Gerald J. Tortora and Joseph F. Becker in consultation with Guy L. Bush, P. J. Docter, J. R. McClintic, Ernst S. Reese, and James A. Wilson. Macmillan, New York, 1972. xiv, 780 pp., illus. \$11.95. Macmillan Biology Series.

Likelihood. An Account of the Statistical Concept of Likelihood and Its Application to Scientific Inference. A. W. F. Edwards. Cambridge University Press, New York, 1972. xvi, 236 pp., illus. \$13.50.

Lithium-Drifted Germanium Detectors. Their Fabrication and Use. An Annotated Bibliography. Compiled by Ina Calloway

16 JUNE 1972



YOU MEAN I CAN GET \$50,000 OF TIAA LIFE INSURANCE FOR LESS THAN \$100?

That's what an Assistant Professor asked us when he heard about TIAA's low life insurance costs.

It's true. At his age 30 the annual premium for a 20-Year Home Protection policy providing \$50,000 initial amount of insurance is \$159.00. The first-year dividend, based on our current dividend scale, is \$61.50, making a net payment of \$97.50. Dividends, of course, are not guaranteed.

The Home Protection plan is level premium Term insurance providing its largest amount of protection initially, reducing by schedule each year to recognize decreasing insurance needs. This is just one example of the many low-cost TIAA plans available. If you need more protection for your family, ask us to mail you a personal illustration with figures for a policy issued at your age. We'll also send the Life Insurance Guide describing other TIAA policies.

ELIGIBILITY

Eligibility to apply for this or other TIAA life insurance is limited to persons employed at the time of application by a college, university, private school, or other nonprofit educational or scientific institution that qualifies for TIAA eligibility.

TEACHERS INSURANCE AND ANNUITY ASSOCIATION
730 Third Avenue, New York, N. Y. 10017



pi

Please mail the new Life Insurance Guide and a personal illustration.

Name _____ Your Date of Birth _____

Address _____ Street _____

City _____ State _____ ZIP _____

Dependents' Ages _____

Nonprofit Employer _____ college, university, or other educational or scientific institution

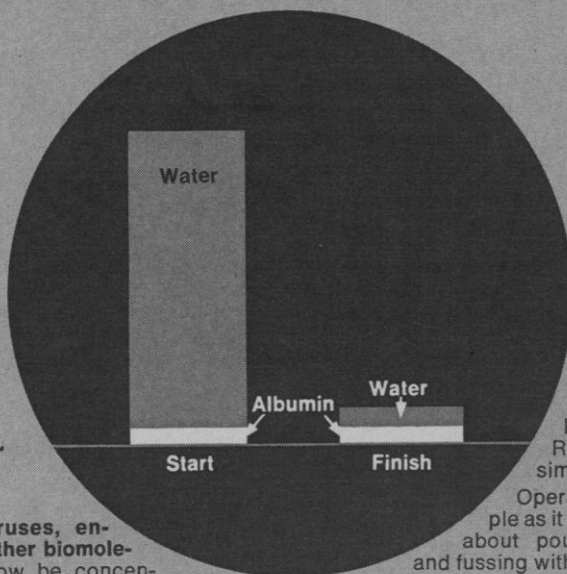
Circle No. 40 on Readers' Service Card

1263

Concentrate!

20-fold concentration in just 100 min. with new Hollow Fiber Devices

Proteins, viruses, enzymes and other biomolecules can now be concentrated (also desalted or fractionated) quickly and easily with Hollow Fiber Devices. Using the latest in



membrane technology, these unique devices are self-contained and compatible with existing lab equipment. Re-use after a simple wash.

Operation is as simple as it is rapid. Forget about pouring columns and fussing with dialysis bags.

A complete starting set-up costs under \$30. For "how to use" literature with prices, contact:

BIO-RAD Laboratories

32nd and Griffin Avenue/Richmond, CA 94804/(415) 234-4130

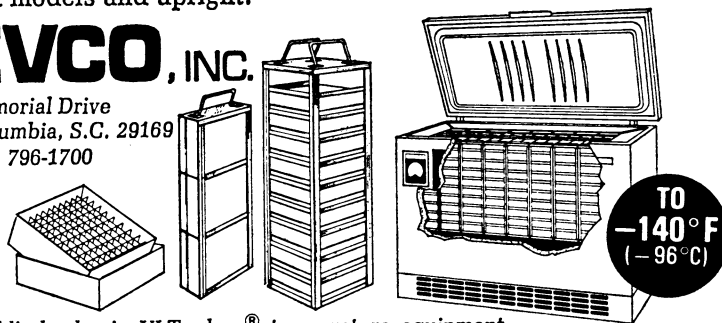
Circle No. 86 on Readers' Service Card

Revco is More than a freezer... It's a System.

You get more than dependable ULTra-low® temperature when you buy a Revco freezer. We adapt the freezer to your particular use through the proper accessories from our inventory control systems. Let us show you how Revco provides the total answer to your ULTra-low® temperature needs. Available in sizes from 1-1/2 to 25 cubic feet, including the standard 6.5, 9, 12 and 17 cubic foot sizes, in chest models and upright.

REVCO, INC.

1177 Memorial Drive
West Columbia, S.C. 29169
Tel. (803) 796-1700



The world's leader in ULTra-low® temperature equipment

Circle No. 80 on Readers' Service Card

1264

Brownridge. IFI/Plenum, New York, 1972. xiv, 210 pp. \$20.

Living on the Third Planet. Hannes and Kerstin Alfvén. Translated from the Swedish by Eric Johnson. Freeman, San Francisco, 1972. x, 188 pp. \$4.95.

MTP International Review of Science. Butterworths, London; University Park Press, Baltimore, 1972. Vol. 2, Main Group Elements Groups V and VI. C. C. Addison and D. B. Sowerby, Eds. xii, 328 pp., illus. Vol. 5, Transition Metals, Part 1. D. W. A. Sharp, Ed. xii, 396 pp., illus. Each vol., \$21.50. Inorganic Chemistry Series 1.

Man and His Environment. Food. Lester R. Brown and Gail W. Finsterbusch. Harper and Row, New York, 1972. xii, 208 pp., illus. Paper, \$3.25.

Man and His Universe. Zdeněk Kopal. Morrow, New York, 1972. 314 pp. + plates. \$7.95.

Maps and Man. An Examination of Cartography in Relation to Culture and Civilization. Norman J. W. Thrower. Prentice-Hall, Englewood Cliffs, N.J., 1972. viii, 184 pp., illus. Cloth, \$5.95; paper, \$2.95.

Marketing Management and Economics in Rubber and Research. A symposium, Cleveland, Ohio, Oct. 1971. A. C. Stevenson, S. T. Pender, J. A. McConnell, D. F. Hoeg, and T. A. Riehl. American Chemical Society Division of Chemical Marketing and Economics, Brooklyn, N.Y., 1972. viii, 182 pp., illus. Paper, \$9.95.

Mathematical Analysis of Physical Problems. Philip R. Wallace. Holt, Rinehart and Winston, New York, 1972. xx, 616 pp., illus. \$17.

A Mathematical Introduction to Logic. Herbert B. Enderton. Academic Press, New York, 1972. xiv, 296 pp., illus. \$12.50.

Mathematical Techniques for Physiology and Medicine. William Simon. Academic Press, New York, 1972. xii, 268 pp., illus. \$11.50.

McGraw-Hill Yearbook of Science and Technology. Comprehensive Coverage of the Important Events of the Year 1971 as Compiled by the Staff of the McGraw-Hill Encyclopedia of Science and Technology. McGraw-Hill, New York, 1972. x, 450 pp., illus. \$27.50.

The Mechanical Properties of Materials. Roy A. Farrar. Methuen, London, 1972 (U.S. distributor, Harper and Row, New York). viii, 56 pp., illus. Paper, \$3. Methuen Studies in Science.

Media 70's. National Conference on Multimedia in the Health Sciences. Proceedings, Cincinnati, July 1971. Educational Communications Foundation, Fairfax, Va., 1971. xiv, 290 pp., illus. Paper, \$4.95.

Methods in Aquatic Microbiology. A. G. Rodina. Translated from the Russian edition (1965) by Rita R. Colwell and Michael S. Zabrucki. University Park Press, Baltimore; Butterworths, London, 1972. xxiv, 462 pp. + plates. \$14.50.

Methods in Carbohydrate Chemistry. Vol. 6, General Carbohydrate Methods. Roy L. Whistler and James N. BeMiller, Eds. Academic Press, New York, 1972. xxviii, 604 pp., illus. \$27.50.

Methods of Intermediate Problems for

SCIENCE, VOL. 176

Eigenvalues. Theory and Ramifications. Alexander Weinstein and William Stenger. Academic Press, New York, 1972. xii, 236 pp., illus. \$14.50. Mathematics in Science and Engineering, vol. 89.

Microbes in Action. A Laboratory Manual of Microbiology. Harry W. Seeley, Jr., and Paul J. VanDemark. Freeman, San Francisco, ed. 2, 1972. xiv, 362 pp., illus. + separate Instructor's Manual. Paper, \$5.50. A Series of Books in Biology.

Microbial Pathogenicity in Man and Animals. Society for General Microbiology Symposium 22, London, Apr. 1972. H. Smith and J. H. Pearce, Eds. Published for the Society by Cambridge University Press, New York, 1972. x, 452 pp., illus. \$18.50.

Microscopic Identification of Crystals. Richard E. Stoiber and Stearns A. Morse. Ronald Press, New York, 1972. viii, 278 pp., illus. \$10.50.

The Mind of the Scientist. Michael Hoskin. Taplinger, New York, 1972. 128 pp., illus. \$5.95.

Modern Aether Science. Harold Aspden. Sabbiton, Southampton, England, 1972. viii, 166 pp., illus. Cloth, \$7; paper, \$3.50.

Le Monde Vivant des Atolls. Poynésie Française, Tuamotu-Gambier. Société des Océanistes, Paris, 1972. x, 148 pp. + plates. Paper, 45 F. Publications de la Société des Océanistes, No. 28.

Mössbauer Spectroscopy. N. N. Greenwood and T. C. Gibb. Chapman and Hall, London, 1972 (U.S. distributor, Barnes and Noble, New York). xii, 660 pp., illus. \$38.50.

National Geographic Society Research Reports. Abstracts and Reviews of Research and Exploration Authorized under Grants from the National Geographic Society during the Years 1955-1960. Paul H. Oehser, Ed. National Geographic Society, Washington, D.C., 1972. x, 206 pp. + plates. \$5.

The Nature of the Solid Earth. A symposium, Cambridge, Mass., Apr. 1970. Eugene C. Robertson, James F. Hays, and Leon Knopoff, Eds. McGraw-Hill, New York, 1972. xvi, 678 pp., illus. \$13.50. McGraw-Hill International Series in the Earth and Planetary Sciences.

Neuro Nuclear Medicine. E. J. Potchen and V. R. McCready, Eds. University Park Press, Baltimore, 1972. xii, 430 pp., illus. \$29.50. Progress in Nuclear Medicine, vol. 1.

The 1970 National Power Survey. Part 1. Federal Power Commission, Washington, D.C., 1971 (available from the Superintendent of Documents, Washington, D.C.). Various paged, illus. Paper, \$4.25.

Nineteenth-Century Aether Theories. Kenneth F. Schaffner. Pergamon, New York, 1972. x, 278 pp., illus. \$10. Commonwealth and International Library, Selected Readings in Physics.

The Nonmathematical Foundations of Mathematics. R. J. Diamond. Nambor, Pasadena, Calif., 1971. vi, 104 pp., illus. + index. Paper, \$2.95.

Nuclear, Particle and Many Body Physics. Philip M. Morse, Bernard T. Feld, Herman Feshbach, and Richard Wilson, Eds. Academic Press, New York, 1972. Two vols. Vol. 1, xxii, 694 pp., illus. \$23. Vol. 2, xxii, 932 pp., illus. \$27. Reprinted from *Annals of Physics*.

16 JUNE 1972

Micro- Power SENSITIVITY

Enjoy the comfort and efficiency of motorized fine motions in three dimensions (XYZ) responding instantaneously to speed and translation commands by remote "joystick" control.

For operations requiring maximum sensitivity at medium and high magnifications.

All movements operate on ball-races for absolutely flawless performance. No backlash, no vibration.

X and Y fine movements are micrometers reading to 0.01 mm.

Speedy set up by rack and pinion XYZ fast motions with vernier scales reading to 0.1 mm.

Standard reduction 1:500, 1:900 and 1:1600 available.

See this and other models in H/I catalog supplied on request.

- micromanipulation
- microprobing
- micropositioning





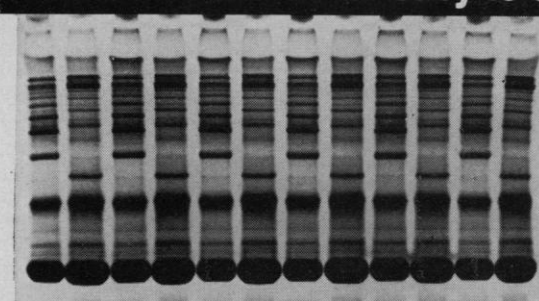
HACKER INSTRUMENTS, INC.
BOX 646, W. CALDWELL, N.J. 07006 (201) 226-8450

H/I micromanipulator M-10M
with control unit CM-2

Circle No. 88 on Readers' Service Card

Ortec flat-slab acrylamide electrophoresis.

The difference is rather easy to see.



12-8-6-4.5% gradient gel contains alternating replicate serum-protein samples (200µg each) from two human patients.

- 12 easily-compared samples side-by-side in the same gel slab, 24 samples per run.
- Precision glass cells maintain even cross-sectional field strength, bond firmly to gel to give far better results than plastic cells or round tubes.
- You can move from analytical to preparative separations without changing cells.
- Pulsed constant power controls heating—no need for external cooling, even when separating labile enzymes.
- No pH discontinuities required in unique Ortec electrochemical system.
- Ideal for isoelectric focusing and two-dimensional work.
- Separations can be easily watched taking place in clear Ortec tank unencumbered by cooling coils.

Write for Bulletin LS-100, which tells the whole story about really high-resolution electrophoresis. Ortec Incorporated, 110 Midland Road, Oak Ridge, Tenn. 37830; or phone (615) 482-4411. In Europe: Ortec Ltd., Dallow Road, Luton, Bedfordshire, England; or Ortec GmbH, 8 München 13, Frankfurter Ring 81, West Germany.

ORTEC
AN EG&G COMPANY

Circle No. 84 on Readers' Service Card

5326

1267

Is this YOU?

You're busy, creative, ambitious, and thus far successful in your own particular corner of the health care industry. You should be satisfied—but you're not. Maybe you already know why not. Maybe you wonder, on your way home at night, just what you've really contributed to improving the health care delivery system. Maybe you find yourself wishing you could make more of a social contribution within the framework of personal advancement.

If so, let's get acquainted.

The most important thing about Miller and Fink Publishing Corporation is a personal and corporate commitment to making a social contribution within the hard-nosed framework of a profit-making company. And, since deeds speak considerably louder than words, we'd like to show you what we've accomplished thus far—through a magazine that consistently helps the family physician improve the efficiency and effectiveness of his health care delivery; through the development of improved medical records and data base acquisition systems already in use by thousands of physicians; through a nursing publication used for in-service education in hospitals throughout the country, and through a number of other potentially rewarding projects just beginning to see the light of day.

Perhaps your creativity, your ambition, and your desire to make a contribution to something more than your own personal success make Miller and Fink the kind of company where you can put it all together. Why not find out more?—without commitment on your part or ours. Simply write—

Miller and Fink
Publishing Corporation
P. O. Box 1245,
Darien, Conn. 06820
Attention: Dr. August Fink

Nushagak. An Historic Trading Center in Southwestern Alaska. James W. Vanstone. Field Museum of Natural History, Chicago, 1972. vi, 94 pp., illus. Paper, \$4.25. Fieldiana Anthropology, vol. 62. Publication 1145.

Optimizing the Soil Physical Environment Toward Greater Crop Yields. Proceedings of a panel, Rehovot, Israel, Aug. 1971. Daniel Hillel, Ed. Academic Press, New York, 1972. xxii, 240 pp., illus. \$8.

Ordinary Differential Equations. 1971 NRL-MRC Conference. Washington, D.C., Leonard Weiss, Ed. Academic Press, New York, 1972. xiv, 608 pp. \$18.

Ore Petrology. R. L. Stanton. McGraw-Hill, New York, 1972. xviii, 714 pp., illus. \$19.50. McGraw-Hill International Series in the Earth and Planetary Sciences.

The Origin of the Family, Private Property and the State. In the Light of the Researches of Lewis H. Morgan. Frederick Engels. Introduction and notes by Eleanor Burke Leacock. International Publishers, New York, 1972. 288 pp. \$7.50.

PMR Spectroscopy in Medicinal and Biological Chemistry. A. F. Casey. Academic Press, New York, 1972. xvi, 426 pp., illus. \$23.

Passion to Know. The World's Scientists. Mitchell Wilson. Doubleday, Garden City, N.Y., 1972. xvi, 410 pp. \$10.

Perfusion Techniques. A symposium, New York, Oct. 1971. E. Diczfalusy and A. Diczfalusy, Eds. Karolinska Institutet, Stockholm, 1971. 378 pp., illus. Karolinska Symposia on Research Methods in Reproductive Endocrinology. Also published as Supplementum No. 158 of *Acta Endocrinologica*.

Phase-Locked and Frequency-Feedback Systems. Principles and Techniques. Jacob Klapper and John T. Frankle. Academic Press, New York, 1972. xx, 396 pp., illus. \$19.50. Electrical Science.

Photographic Gelatin. A symposium, Cambridge, England, Aug.-Sept. 1970. R. J. Cox, Ed. Published for the Scientific and Technical Group of the Royal Photographic Society by Academic Press, New York, 1972. xiv, 312 pp., illus. \$15.50.

Physical Methods of Chemistry. Part 3, Optical, Spectroscopic, and Radioactivity Methods. Arnold Weissberger and Bryant W. Rossiter, Eds. Wiley-Interscience, New York, 1972. Part 3C, Polarimetry. xii, 514 pp., illus. \$24.95. Part 3D, X-Ray, Nuclear, Molecular Beam, and Radioactivity Methods. xiv, 706 pp., illus. \$32. Techniques of Chemistry, vol. 1.

Physical Science. A Study of Matter and Energy. Verne H. Booth and Mortimer L. Bloom. Macmillan, New York, ed. 3, 1972. xiv, 704 pp., illus. \$11.95.

Physical Science in the Middle Ages. Edward Grant. Wiley, New York, 1971. xiv, 128 pp. Cloth, \$7.50; paper, \$3.95. History of Science.

Physics of Atomic Collisions. J. B. Hasted. Elsevier, New York, ed. 2, 1972. x, 774 pp., illus. \$72.

Physics of the Upper Atmosphere. Proceedings of a course, Erice, Italy, June 1970. Franco Verniani, Ed. Editrice Compositori, Bologna, 1971. xxiv, 460 pp., illus. \$20. Editrice Compositori International Physics Series.

Physiological Psychology. Introductions by Richard F. Thompson. Freeman, San

Francisco, 1972. viii, 444 pp., illus. Cloth, \$12; Paper, \$5.95. Readings from *Scientific American*.

Physiology of Blood and Lymph Vessels. Physiologie der Blutund Lymphgefäße. Physiologie des Vaisseaux Sanguins et Lymphatiques. Parts 1 and 2. A symposium, Fribourg, Switzerland, Oct. 1970. M. Comel and L. Laszt, Eds. Karger, Basel, 1971 (U.S. distributor, Phiebig, White Plains, N.Y.). Variousy paged, illus. \$21.75. Symposia Angiologica Santoriana.

Phytotoxins in Plant Diseases. Proceedings of the NATO Advanced Study Institute, Pugnoscchio, Italy, June 1970. R. K. S. Wood, A. Ballio, and A. Graniti, Eds. Academic Press, New York, 1972. xx, 530 pp., illus. \$26.50.

Planet Earth. Its Physical Systems through Geologic Time. Arthur N. Strahler. Harper and Row, New York, 1972. x, 438 pp., illus. \$11. Harper's Geoscience Series.

The Plant World. Harry J. Fuller, Zane B. Carothers, Willard W. Payne, and Margaret K. Balbach. Holt, Rinehart and Winston, New York, ed. 5, 1972. xviii, 554 pp., illus. \$12.

Plasma. The Fourth State of Matter. D. A. Frank-Kamenetskii. Translated from the Russian edition (Moscow, 1968) by Joseph Norwood, Jr. Plenum, New York, 1972. viii, 160 pp., illus. \$12.50.

Platelet Kinetics. Radioisotopic, Cytological, Mathematical and Clinical Aspects. J. M. Paulus, Ed., with the collaboration of R. H. Aster and H. Breny. North-Holland, Amsterdam; Elsevier, New York, 1972. xx, 360 pp., illus. \$25.30. Clinical Studies, vol. 2.

La Poussée Sensori-Motrice. Psychopathologie Structurale et Electro-Encéphalographie. Zena Helman. Dessart, Bruxelles, 1971. 242 pp. + plates. Paper, 449 BF. Dossiers de Psychologie et de Sciences Humaines.

Practical Metallurgy for Photo-Chemical Machining and Etching. James E. Hanafee. Sciencetech, Champaign, Ill., 1972. xii, 160 pp., illus. \$8.95.

The Primate Malarias. G. Robert Coatney, William E. Collins, McWilson Warren, and Peter G. Contacos. National Institutes of Health, Bethesda, Md., 1971 (available from the Superintendent of Documents, Washington, D.C.). xii, 366 pp., illus. \$7.

Press Dynamics and Control. Vol. 1, Analysis of Dynamic Systems. J. M. Douglas. Prentice-Hall, Englewood Cliffs, N.J., 1972. xiv, 368 pp., illus. \$18.95. Prentice-Hall Series in the Physical and Chemical Engineering Sciences.

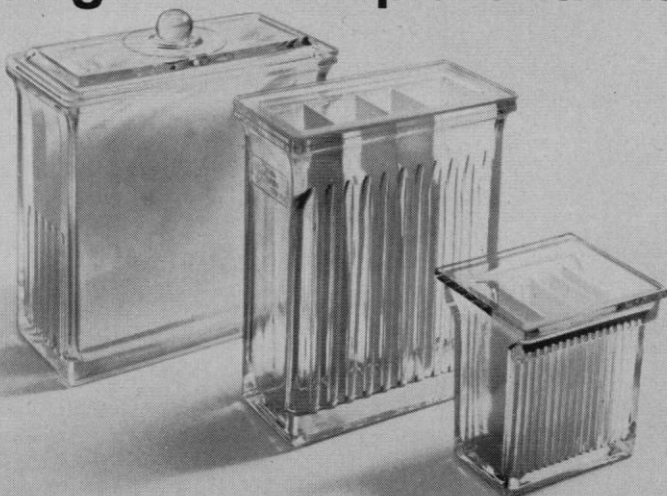
The Prevention of Perinatal Morbidity and Mortality. A seminar, Tours, Apr. 1969. World Health Organization, Geneva, 1972 (U.S. distributor, American Public Health Association, Washington, D.C.). 100 pp. Paper, \$2. Public Health Papers, No. 42.

The Private Nuclear Strategists. Roy E. Licklider. Ohio State University Press, Columbus, 1972. xiv, 214 pp. \$11.

Les Prix Nobel en 1970. Norstedt, Stockholm, 1971 (U.S. distributor, Elsevier, New York). 288 pp., illus. \$19.50.

Proceedings of the Microbiological Research Group of the Hungarian Academy

Great TLC development... Our glass multiplate tanks.



Developing numerous TLC plates simultaneously is a snap with these all-glass multiplate tanks from Brinkmann.

Our large tank accepts five home-made or pre-coated 20x20 cm plates and is available with optional stop-cock or regular cover. The middle tank holds ten 5x20 cm plates up to 6 mm thick. The small tank will

handle sixteen 5x10 cm plates or sheets up to 1 mm thick.

Need literature? Just write: Brinkmann Instruments, Cantiague Road, Westbury, New York 11590. In Canada, write: Brinkmann Instruments (Canada) Ltd., 50 Galaxy Blvd., Rexdale (Toronto), Ontario.



Circle No. 82 on Readers' Service Card

Electron Microscopists do important work. They shouldn't spend a lot of time getting everything ready to do it.

Our vacuum evaporators give you precision specimen preparation and replication for electron microscopy.

With very little time and effort on your part.

We have both automatic and manual versions. And all the accessories you need for complete vacuum deposition.

Like rotary coaters and shadowers. Filament and boat evaporators. Carbon rods and sharpeners. Instrumentation feed throughs. And

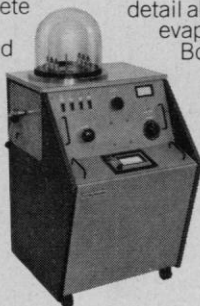
freeze-fracture devices.

They all help you with your important work by doing more of it for you.

We've been making more kinds of vacuum pumping equipment than anyone else for over 64 years.

And we'd like to tell you in detail about our high vacuum evaporators. Just send for Booklet #3102.

Kinney Vacuum Co.,
3529 Washington Street,
Boston, Massachusetts
02130. Tel. (617)
522-7100.



Kinney Vacuum
A UNIT OF GENERAL SIGNAL CORPORATION

We spend a lot of time thinking about our vacuum products.
So you won't have to.

Circle No. 85 on Readers' Service Card

of Sciences. Vol. 4. J. G. Weiszfeiler, Ed. Akadémiai Kiadó, Budapest, 1972. 146 pp., illus. Paper, \$5.20.

Proceedings of the Second Conference on Origins of Life. Cosmic Evolution, Abundance, and Distribution of Biologically Important Elements. Princeton, N.J., May 1968. Lynn Margulis, Ed. Published for the Smithsonian Institution Interdisciplinary Communications Program by Interdisciplinary Communication Associates, Washington, D.C., 1971 (distributor, Gordon and Breach, New York). viii, 238 pp., illus. \$9.95.

Proceedings of the 3rd Symposium on Coordination Chemistry. Debrecen, Hungary, 1970. Plenary Lectures and Discussion of Contributed Papers. Vol. 2. Mihály T. Beck, Ed. Akadémiai Kiadó, Budapest, 1971. 288 pp., illus. Paper, \$7.20.

Progress in Group and Family Therapy. Clifford J. Sager and Helen Singer Kaplan, Eds. Brunner/Mazel, New York; Butterworths, London, 1972. xxii, 936 pp. \$25.

Progress in Inorganic Chemistry. Vol. 15. Stephen J. Lippard, Ed. Wiley-Interscience, New York, 1972. viii, 488 pp., illus. \$15.50.

Progress in Mathematics. R. V. Gamkrelidze, Ed. Plenum, New York, 1972. Vol. 12, Algebra and Geometry. Translated from the Russian edition (Moscow, 1970) by Nasli H. Choksy. x, 252 pp. Vol. 13, Probability Theory, Mathematical Statistics, and Theoretical Cybernetics. Translated from the Russian edition (Moscow, 1970) by J. S. Wood. viii, 110 pp., illus. Each vol., \$19.50.

Progress in Nucleic Acid Research and Molecular Biology. Vol. 12. J. N. Davidson and Waldo E. Cohn, Eds. Academic Press, New York, 1972. xx, 238 pp., illus. \$14.

The Public Challenge and the Campus Response. An institute, Berkeley, Calif., July 1971. Robert A. Altman and Carolyn M. Byerly, Eds. Center for Research and Development in Higher Education, Berkeley; Western Interstate Commission for Higher Education, Boulder, Colo., 1971. x, 122 pp., illus. Paper, \$3.50.

Quantitative Evaluation of Spectrograms by Means of 1-Transformation. Tibor Török and Károly Zimmer. Heyden, New York, 1972. viii, 40 pp., illus. + tables. \$9.

Quelques Aspects de L'Etat Solide Organique. J. P. Suchet. Masson, Paris, 1972. x, 192 pp., illus. Paper, 80 F. Séminaires de Chimie de l'Etat Solide, No. 5, 1970-1971.

Réacteurs Nucléaires à Eau Pressurisée. Théorie, Technologie et Applications à la Propulsion Navale. J. de Ladonchamps and J. J. Verdeau. Masson, Paris, 1972. viii, 228 pp., illus. Paper, 95 F. Collection de l'École Nationale Supérieure de Techniques Avancées.

Real Analysis and Probability. Robert B. Ash. Academic Press, New York, 1972. xvi, 476 pp. \$16. Probability and Mathematical Statistics, No. 11.

Resources for the History of Physics. Stephen G. Brush, Ed. University Press of New England, Hanover, N.H., 1972. x, 90 pp. Paper, \$3.50.

Responses of Plants to Environmental Stresses. J. Levitt. Academic Press, New

York, 1972. xiv, 698 pp., illus. \$32.50. Physiological Ecology.

Rice and Man. Agricultural Ecology in Southeast Asia. Lucien M. Hanks. Aldine-Atherton, Chicago, 1972. x, 174 pp., illus. Cloth, \$7.50; paper, \$2.95. Worlds of Man, Studies in Cultural Ecology.

Riesz Spaces. Vol. 1. W. A. J. Luxemburg and A. C. Zaanen. North-Holland, Amsterdam; Elsevier, New York, 1972. xii, 514 pp. \$34.50. North-Holland Mathematical Library.

Roots of War. Richard J. Barnet. Atheneum, New York, 1972. x, 354 pp. \$10.

Science of the Earth. A. J. Eardley. Harper and Row, New York, 1972. xii, 468 pp., illus. \$10.50. Harper's Geoscience Series.

Selective Ion Sensitive Electrodes. G. J. Moody and J. D. R. Thomas. Merrow, Watford, England, 1971. viii, 140 pp., illus. \$6.90. Merrow Technical Library, Practical Science, vol. 3.

Skin, Heredity, and Malignant Neoplasms. Henry T. Lynch. Medical Examination Publishing Co., Flushing, N.Y., 1972. 300 pp., illus. \$20.

Spectra of Partial Differential Operators. Martin Schechter. North-Holland, Amsterdam; Elsevier, New York, 1972. xiv, 268 pp. \$18.50. North-Holland Series in Applied Mathematics and Mechanics, vol. 14.

The State of Nutrition in the Arab Middle East. Vinayak N. Patwardhan and William J. Darby. Vanderbilt University Press, Nashville, Tenn., 1972. xii, 308 pp., illus. \$15.

Statistical Methods in Experimental Physics. W. T. Eadie, D. Dryard, F. E. James, M. Roos, and B. Sadoulet. North-Holland, Amsterdam; Elsevier, New York, 1972. xii, 296 pp., illus. \$17.25.

Stochastic Economics. Stochastic Processes, Control, and Programming. Gerhard Tintner and Jati K. Sengupta. Academic Press, New York, 1972. xii, 316 pp. \$16.

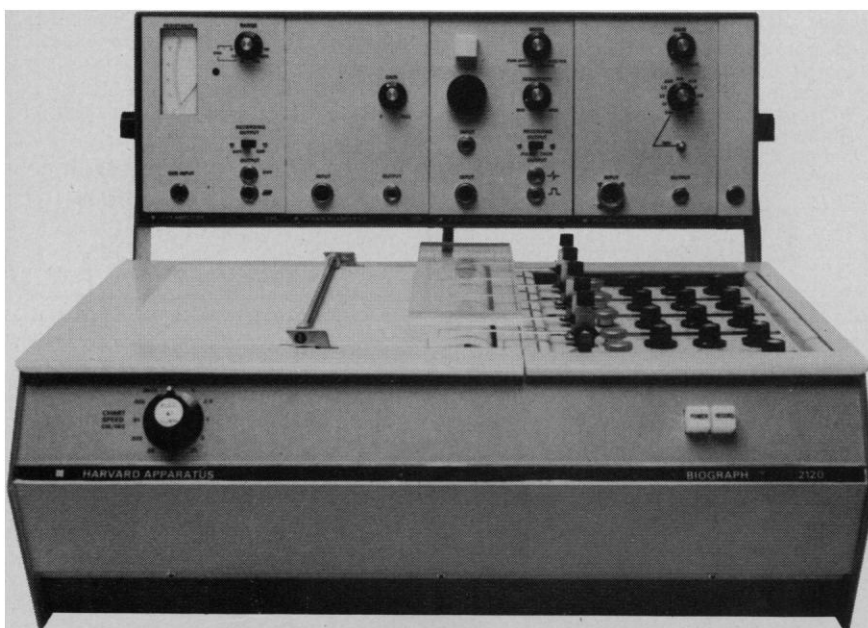
Stratigraphy of the Jurassic and Lower Cretaceous Rocks and Jurassic Ammonites from Northern Areas of West Pakistan. Ali Nasir Fatmi. British Museum (Natural History), London, 1972. pp. 299-380 + plates. Paper, £4.25. Bulletin of the British Museum (Natural History), Geology, Vol. 20, No. 7.

Studies in Human Behavior. Alfred M. Freedman and Harold I. Kaplan, Eds. Atheneum, New York, 1972. Vol. 1, **Diagnosing Mental Illness.** xii, 308 pp., illus. Cloth, \$10; paper, \$4.95. Vol. 2, **Interpreting Personality.** A Survey of Twentieth-Century Views. xvi, 350 pp. Cloth, \$10; paper, \$4.95. Vol. 3, **Human Behavior.** Biological, Psychological, and Sociological. xvi, 542 pp., illus. Cloth, \$12.95; paper, \$5.95. Vol. 4, **Treating Mental Illness.** Aspects of Modern Therapy. xvi, 430 pp., illus. Cloth, \$12.95; paper, \$4.95. Vol. 5, **The Child.** His Psychological and Cultural Development. Vol. 1, Normal Development and Psychological Assessment. xiv, 248 pp., illus. Cloth, \$10; paper, \$4.95. Vol. 6, **The Child.** His Psychological and Cultural Development. Vol. 2, The Major Psychological Disorders and Their Treatment. xiv, 418 pp., illus. Cloth, \$10; paper, \$4.95. Excerpted and adapted in whole or in part

The New Harvard Biograph™ Recording System.

for physiology, psychology
and all the life sciences.

One of the most versatile recording systems
you can buy, certainly the most economical
you can own.



Send for full details.

Gentlemen: I want to learn more about the new Harvard Biograph.

☐ Please send a no-obligation quote on a new Harvard Biograph recording system with 1, 2, 3 or 4 (circle one) recording channels plus couplers and accessories for measuring:

- ☐ Blood Pressure (direct); ☐ Blood Pressure (indirect); ☐ Pulse;
☐ ECG; ☐ Heart Rate; ☐ Respiration; ☐ EEG; ☐ GSR; ☐ Eye Blink;
☐ Isotonic Muscle Contraction; ☐ Isometric Muscle Contraction;
☐ Electromyography; ☐ Other _____

Name _____ Tel. No. _____

Department _____

Institution _____

Address _____

City _____ State _____ Zip _____

Harvard Apparatus Company, Inc.
P.O. Box 24-31, Millis, Massachusetts 02054
Telephone 617-376-2987

**HARVARD
APPARATUS**

Synthetic Parathyroid Hormone



A synthesized, purified, biologically active peptide (1-34) fragment of parathyroid hormone (bovine) is now available from Beckman for research use. Write for Data File PTH-5 to Bioproducts Department, Spinco Division, Beckman Instruments, Inc., 1117 California Ave., Palo Alto, Calif. 94304.

Beckman

Circle No. 133 on Readers' Service Card

Experimental & Diagnostic Pathology

Opportunities with the Life Sciences Research Division of IIT Research Institute for Diagnostic Pathologists and Experimental Pathologists to work on on-going programs in the areas of toxicology, chemical carcinogenesis and environmental sciences. Positions require DVM; Ph.D. in Pathology or equivalent training. Prior training should include experience in general diagnostic pathology or in chemical carcinogenesis.

IIT Research Institute is an independent contract research organization affiliated with the Illinois Institute of Technology. Staff members enjoy a sound benefit program which includes good insurance and retirement programs and a liberal vacation policy. Relocation expenses will be paid.

Direct all inquiries to J. E. Katzenberger, Personnel Supervisor.

IITRI IIT Research Institute

10 West 35th Street
Chicago, Illinois 60616

An Equal Opportunity Employer (M/F)

from *Comprehensive Textbook of Psychiatry*.

Superconductivity. E. A. Lynton. Chapman and Hall, London, ed. 3, 1972 (U.S. distributor, Barnes and Noble, New York). viii, 220 pp., illus. Paper, \$5. Science Paperbacks.

Supplement to Mellor's Comprehensive Treatise on Inorganic and Theoretical Chemistry. Vol. 8, Suppl. 3, Phosphorus. A. A. Eldridge, G. M. Dyson, A. J. E. Welch, and D. A. Pantony, Eds. Wiley-Interscience, New York, 1972. x, 1468 pp., illus. \$79.95.

Symposium on the Geology of Libya. Tripoli, Apr. 1969. Carlyle Gray, Ed. University of Libya Faculty of Science, Tripoli, 1971 (available from Orient Bookshop, Tripoli). 522 pp., illus. + foldout charts. \$10.50.

The Systems View of the World. The Natural Philosophy of the New Developments in the Sciences. Ervin Laszlo. Braziller, New York, 1972. xii, 132 pp. Cloth, \$5.95; paper, \$2.45.

Telecontrol. Methods and Applications of Telemetering and Remote Control. Gunther Swoboda. Translated from the German edition (Munich, 1967). M. H. Cufflin, translation editor. Van Nostrand Reinhold, New York, 1972. xiv, 394 pp., illus. \$27.50.

Theories of Differentiation. Max Hamburger. Elsevier, New York, 1972. x, 172 pp., illus. Cloth, \$12; paper, \$6.50. A Series of Student Texts in Contemporary Biology.

Theory of Charge Exchange. Robert A. Mapleton. Wiley-Interscience, New York, 1972. xii, 284 pp., illus. \$19.95. Wiley-Interscience Series in Atomic and Molecular Collisional Processes.

Thermal Expansion. Bernard Yates. Plenum, New York, 1972. x, 122 pp., illus. \$12.50. Monographs in Low-Temperature Physics.

Thermospheric Circulation. Willis L. Webb, Ed. M.I.T. Press, Cambridge, Mass., 1972. xx, 372 pp., illus. \$14.95. *Progress in Astronautics and Aeronautics*, vol. 27.

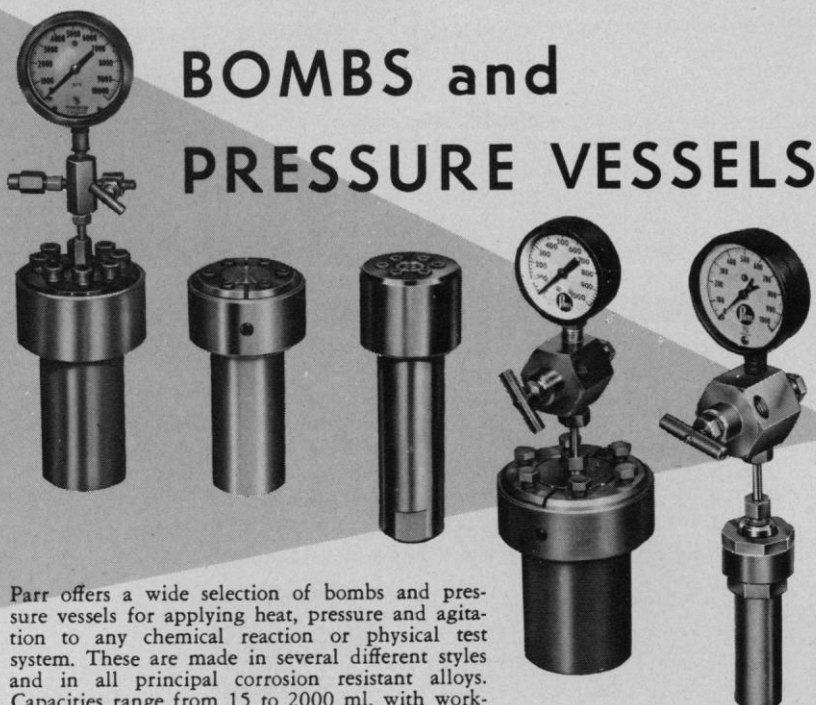
This Cybernetic World of Men, Machines and Earth Systems. V. L. Parsegian. Doubleday, Garden City, N.Y., 1972. xvi, 218 pp., illus. \$6.95.

Thyrotrophin Releasing Hormone. A conference, Basel, Apr. 1971. Reginald Hall, Inna Werner, and Harold Holgate, Eds. Karger, Basel, 1972 (U.S. distributor, Phiebig, White Plains, N.Y.). x, 196 pp., illus. \$14.60. *Frontiers of Hormone Research*, vol. 1.

Tobias Mayer's Opera Inedita. The First Translation of the Lichtenberg Edition of 1775. Eric G. Forbes. Elsevier, New York, 1972. x, 166 pp. + plates. \$14.75.

Traité de Zoologie. Anatomie, Systématique, Biologie. Published under the direction of Pierre-P. Grassé. Tome 16, Mammifères. Fascicule 4, Système Nerveux, Organes des Sens, Appareil Circulatoire, Sang et Lymphes. J. Anthony and 12 others. Masson, Paris, 1972. viii, 1078 pp. + plates. 390 F.

The University and Military Research. Moral Politics at M.I.T. Dorothy Nelkin. Cornell University Press, Ithaca, N.Y., 1972. xii, 196 pp. \$7.95. Science, Technology, and Society Series.



Parr offers a wide selection of bombs and pressure vessels for applying heat, pressure and agitation to any chemical reaction or physical test system. These are made in several different styles and in all principal corrosion resistant alloys. Capacities range from 15 to 2000 ml. with working pressure limits of 1000, 3000, 7500 psig. and higher. Valves, thermowells, dip tubes and other attachments can be provided.

Ask for our
Pressure Vessel Catalog.



PARR INSTRUMENT COMPANY

211 Fifty-Third St.

Moline, Ill. 61265

Telephone (309) 762-7716