

ure does not necessarily invalidate the methods.

In discussing the possibility of polyphyletic of the angiosperms, Hughes presents some arguments of a sort that tends to negate his previous demand for thorough analysis of the fossil record. Hughes's reasoning is that there are clear-cut differences between the monocotyledons and dicotyledons (in spite of comparative morphologic evidence from groups such as Piperales or Alismatales that fails to show such differences), that the monocotyledons may have begun with the *Palmae* (again, a view totally at variance with views based on extant plants), and that *Palmae* first appear much later than the earliest dicotyledons and hence may have a separate origin. He dismisses without reanalysis Doyle's (1973) well-documented report of the occurrence of monocotyledons other than palms in beds about as old as those having the earliest dicotyledons.

Hughes's more general point is, however, well taken. We should not be restricted in our thinking by concepts based totally on extant plants or continue to look among extant plants for "matches" with the fossils. Analyze the fossil record, which has the important element of time that is lacking in studies of extant plants. When approached in this manner, the origin and early diversification of angiosperms will no longer be viewed as an "abominable mystery." I strongly urge any student or colleague to read this book and to consider the ideas presented.

JACK A. WOLFE

*U.S. Geological Survey,
Menlo Park, California*

Operation Kohoutek

Comet Kohoutek. Papers from a workshop, Huntsville, Ala., June 1974. GILMER ALLEN GARY, Ed. National Aeronautics and Space Administration, Washington, D.C., 1975 (available from the Superintendent of Documents, Washington, D.C.). x, 272 pp., illus. Paper, \$3.35. NASA SP-355. Stock No. 033-000-00598.

Although Comet Kohoutek fell short of the brightness optimistically predicted for it in early 1974, the intensive campaign coordinated by NASA's "Operation Kohoutek" office made it by far the best-observed comet in history. Very important to a number of novel discoveries was the interest stimulated by the campaign among investigators who had not previously been actively engaged in studies of comets.

Early, sometimes incomplete, results obtained from observations of Comet Kohoutek, many of them with NASA facilities or in NASA-coordinated observations from Skylab 4, aircraft, rockets, and ground-based telescopes, were presented at a workshop held at the Marshall Space Flight Center in June 1974. This volume, the skillfully edited proceedings of that workshop, provides a very useful overview of the wide variety of investigations that were carried out, together with their principal results. Particularly impressive is the enormous wavelength range included in the diverse observations of the comet, extending from the extreme ultraviolet to radio detection of the hydroxyl radical at 18 centimeters. Detailed reports of most of this work have been published since the time of the workshop, many of them in the special issue of *Icarus* (23, No. 4 [1974]) devoted to results of observations of Comet Kohoutek. References to such publications are given, and only short summaries of the authors' work are presented in this volume.

The final section of the book includes very interesting summaries by A. H. Delsemme, Fred L. Whipple, George Herbig, and John C. Brandt. These serve to bring into focus the significance of the new findings and to point out areas in which information is still lacking. Several appendices, including a comprehensive ephemeris of Comet Kohoutek, complete the book.

Intensive programs of observation of selected comets, parallel to Operation Kohoutek, can be expected further to increase our fund of information on the structure and composition of the comet nucleus and on the formation and behavior of the coma and tail in the near-sun environment. But very important gaps clearly will remain until it is possible to investigate comets in situ.

ELIZABETH ROEMER

*Lunar and Planetary Laboratory,
University of Arizona, Tucson*

Books Received

A-B-O Blood Groups and Lewis Types. Questions and Answers; Problems and Solutions. A Teaching Manual. Alexander S. Wiener and Wladyslaw W. Socha. Stratton, New York, 1976. xvi, 132 pp., illus. Paper, \$14.50.

Adamantane. The Chemistry of Diamond Molecules. Raymond C. Fort, Jr. Dekker, New York, 1976. x, 400 pp., illus. \$39.50. Studies in Organic Chemistry, vol. 5.

Advances and Technical Standards in Neurosurgery. Vol. 2. H. Krayenbühl and eight others, Eds. Springer-Verlag, New York, 1975. xii, 220 pp., illus. \$38.30.

Advances in Biophysics. Vol. 8. Masao Kotani and Haruhiko Noda, Eds. University of Tokyo Press, Tokyo, and University Park Press, Baltimore, 1976. x, 234 pp., illus. \$19.50.

Advances in Holography. Vol. 2. Nabil H. Farhat, Ed. Dekker, New York, 1976. xii, 192 pp., illus. \$22.50.

Advances in Lipid Research. Vol. 14. Rodolfo Paoletti and David Kritchevsky, Eds. Academic Press, New York, 1976. xx, 268 pp., illus. \$27.50.

Advances in Pacemaker Technology. M. Schaldach, S. Furman, F. Hein, and R. Thull, Eds. Springer-Verlag, New York, 1975. xvi, 556 pp., illus. \$25. Engineering in Medicine 1.

Advances in Physical Organic Chemistry. Vol. 12. V. Gold and D. Bethell, Eds. Academic Press, New York, 1976. viii, 318 pp., illus. \$27.25.

Advances in Prostaglandin and Thromboxane Research. Vol. 1 and Vol. 2. Papers from a conference, Florence, Italy, May 1975. Bengt Samuelsson and Rodolfo Paoletti, Eds. Raven, New York, 1976. Vol. 1. xvi + pp. 1-506, illus. \$37.50. Vol. 2. xvi + pp. 507-1028, illus. \$39. The set, \$75.

Adventures in Medical Research. A Century of Discovery at Johns Hopkins. A. McGehee Harvey. Johns Hopkins University Press, Baltimore, 1976. xvi, 464 pp., illus. \$16.95. Supplement to the *Johns Hopkins Medical Journal*.

The Age of the Molecule. Chemistry in the World and Society. Frank W. Dobbs. Harper and Row, New York, 1976. xii, 336 pp., illus. Paper, \$9.95.

Algebra and Trigonometry for Today. Robert E. Mosher. Harper and Row, New York, 1976. xvi, 538 pp., illus. \$12.95.

Algebra II/Trigonometry. Final Preliminary Edition. Sherman K. Stein and Calvin D. Crabill. Freeman, San Francisco, 1976. xvi, 404 pp. + 156 pp., illus. \$8.

Alternative Approaches to Meeting Basic Health Needs in Developing Countries. A Joint UNICEF/WHO Study. V. Djukanovic and E. P. Mach, Eds. World Health Organization, Geneva, 1975 (U.S. distributor, Q Corp., Albany, N.Y.). 116 pp. Paper, \$10.60.

The Ambivalence of Cytostatic Therapy. Papers from a symposium, Dusseldorf, Nov. 1973. E. Grundmann and R. Gross, Eds. Springer-Verlag, New York, 1975. viii, 246 pp., illus. \$23.80. Recent Advances in Cancer Research, 52.

Animal Disease Monitoring. Proceedings of a symposium, Guelph, Ontario, Canada, July 1974. D. G. Ingram, W. R. Mitchell, and S. W. Martin, Eds. Thomas, Springfield, Ill., 1975. x, 216 pp., illus. \$21.50.

Annual Review of Physiology. Vol. 38. Ernst Knobil, Ralph R. Sonnenschein, and I. S. Edelman, Eds. Annual Reviews, Palo Alto, Calif., 1976. x, 650 pp. \$15.

Annual Review of Psychology. Vol. 27. Mark R. Rosenzweig and Lyman W. Porter, Eds. Annual Reviews, Palo Alto, Calif., 1976. x, 640 pp. \$15.

Anthropological Studies of Human Fertility. Papers from a AAAS symposium, New York, 1975. Bernice A. Kaplan, Ed. Wayne State University Press, Detroit, 1976. vi, 146 pp., illus. \$8.95. Reprinted from *Human Biology*, vol. 48, No. 1.

An Approach to Problem Solving in Genetics. Oval Myers, Jr., Richard A. Gilmore, and DuWayne C. Englert. Stipes Publishing Co., Champaign, Ill., 1976. vi, 210 pp., illus. Paper, \$5.

Arms, Defense Policy, and Arms Control. Franklin A. Long and George W. Rathjens, Eds. Norton, New York, 1976. viii, 222 pp. Cloth, \$8.95; paper, \$3.95.

Astronomy. The Evolving Universe. Michael Zeilik. Harper and Row, New York, 1976. xiv, 530 pp., illus. \$13.95.

Awareness Games. Personal Growth through Group Interaction. Claus-Jürgen Höper, Ulrike Kutzleb, Alke Stobbe, and Bertram Weber. Translated from the German edition (Wuppertal, 1974) by Hilary Davies. St. Martin, New York, 1976. 160 pp. Cloth, \$8.95; paper, \$3.50.

Basic Chemistry. A Programmed Presentation. Stewart M. Brooks and Cynthia F. Norton. Mosby, St. Louis, ed. 3, 1976. xii, 104 pp. Paper, \$6.50.

Behavioral Science in Clinical Medicine. Stewart Wolf and Helen Goodell. Thomas, Springfield, Ill., 1975. xx, 230 pp., illus. \$14.50.

Bengali Women. Manisha Roy. University of Chicago Press, Chicago, 1976. xviii, 206 pp., illus. \$9.95.

Biological Foundations of Biomedical Engineering. Jacob Kline, Ed. Little, Brown, Boston, 1976. xviii, 988 pp., illus. \$35.

Biological Rhythms in the Marine Environment. Papers from a symposium, Georgetown, S.C., Apr. 1974. P. J. DeCoursey, Ed. Published for the Belle W. Baruch Institute for Marine Biology and Coastal Research by University of South Carolina Press, Columbia, 1976. xvi, 284 pp., illus. \$27.50. The Belle W. Baruch Library in Marine Science, No. 4.

Biosocial Anthropology. Papers from a conference, Oxford, England, July 1973. Robin Fox, Ed. Halsted (Wiley), New York, 1975. xii, 170 pp. \$15.75. ASA Studies, 1.

Botanical Microtechnique and Cytochemistry. Graeme P. Berlyn and Jerome P. Miksche. Iowa State University Press, Ames, 1976. viii, 326 pp., illus. \$13.50. Revision of John E. Sass's *Botanical Microtechnique* (1958).

Brain Function and Malnutrition. Neuropsychological Methods of Assessment. Papers from a conference. James W. Prescott, Merrill S. Read, and David B. Coursin, Eds. Wiley, New York, 1975. xiv, 450 pp., illus. \$22. A Wiley Biomedical-Health Publication.

Brain Work. The Coupling of Function, Metabolism and Blood Flow in the Brain. Proceedings of a symposium, Copenhagen, May 1974. David H. Ingvar and Niels A. Lassen, Eds. Munksgaard, Copenhagen, 1975 (U.S. distributor, Academic Press, New York). 524 pp., illus. \$45.50. Alfred Benzon Symposium VIII.

Budgeting. A Comparative Theory of Budgetary Processes. Aaron Wildavsky. Little, Brown, Boston, 1975. xvi, 432 pp. \$15.

Business Civilization in Decline. Robert L. Heilbroner. Norton, New York, 1976. 128 pp. \$6.95.

Calculator Calculus. George McCarty. Page-Ficklin Publications, Palo Alto, Calif., 1975. xiv, 258 pp., illus. Spiral bound, \$8.95.

Calculus. A Short Course with Applications to Business, Economics, and the Social Sciences. Gerald Freilich and Frederick P. Greenleaf. Freeman, San Francisco, 1976. xii, 396 pp., illus. \$11.95.

Cancer in Children. Clinical Management. H. J. G. Bloom, J. Lemerle, M. K. Neidhardt, and P. A. Vouite, Eds. Springer-Verlag, New York, 1975. xiv, 320 pp., illus. Paper, \$14.90.

Cardiovascular Problems. Perspectives and Progress. Proceedings of a symposium, New

York, Dec. 1974. Henry I. Russek, Ed. University Park Press, Baltimore, 1976. xviii, 478 pp., illus. \$39.50.

A Century of Chemistry. The Role of Chemists and the American Chemical Society. Herman Skolnik and Kenneth M. Reese, Eds. American Chemical Society, Washington, D.C., 1976. xviii, 468 pp., illus. \$14.

Cerebral Localization. An Otfried Foerster Symposium. Cologne, Aug. 1975. K. J. Zülch, O. Creutzfeldt, and G. C. Galbraith, Eds. Springer-Verlag, New York, 1975. xii, 340 pp., illus. \$37.90.

The Changing Face of the Suburbs. Papers from a conference, Chicago, June 1974. Barry Schwartz, Ed. University of Chicago Press, Chicago, 1976. x, 356 pp., illus. \$16.

Chem One. Jürg Waser, Kenneth N. Trueblood, and Charles M. Knobler. McGraw-Hill, New York, 1976. xviii, 810 pp., illus. \$15.95.

Circles and Standing Stones. An Illustrated Exploration of Megalith Mysteries of Early Britain. Evan Hadingham. Anchor/Doubleday, Garden City, New York, 1976. 240 pp., illus. Paper, \$4.95. Reprint of the 1975 edition.

Classical Field Theory. Davison E. Soper. Wiley-Interscience, New York, 1976. xii, 260 pp. \$19.95.

Comfrey. Fodder, Food and Remedy. Lawrence D. Hills. Universe Books, New York, 1976. 254 pp., illus. + plates. Cloth, \$12.50; paper, \$4.95.

The Compleat Computer. Dennie L. Van Tassel. Science Research Associates, Chicago, 1976. viii, 216 pp., illus. Paper, \$5.95.

The Constant Pest. A Short History of Pests and Their Control. George Ordish. Scribner, New York, 1976. x, 240 pp. + plates. \$12.95.

Contemporary Chemistry. John E. Hearst and James B. Ifft. Freeman, San Francisco, 1976. xiv, 754 pp., illus. \$14.95.

Continuum Mechanics. Concise Theory and Problems. P. Chadwick. Halsted (Wiley), New York, 1976. 174 pp., illus. \$12.50.

Contraceptive Technology 1976-1977. Robert A. Hatcher, Gary K. Stewart, Felicia Guest, Richard Finkelstein, and Charles Godwin. Irvington, New York, and Halsted (Wiley), New York, ed. 8, 1976. 144 pp., illus. Paper, \$2.95.

Control and Dynamic Systems. Advances in Theory and Applications. Vol. 12. C. T. Leondes, Ed. Academic Press, New York, 1976. xx, 628 pp., illus. \$28.50.

Control of Communicable Diseases in Man. Abram S. Benenson, Ed. American Public Health Association, Washington, D.C., ed. 12, 1975. xxvi, 414 pp. Paper, \$4.

Controversy in Cardiology. The Practical Clinical Approach. Edward K. Chung, Ed. Springer-Verlag, New York, 1976. xii, 300 pp., illus. \$29.80.

The Cradle of the East. An Inquiry into the Indigenous Origins of Techniques and Ideas of Neolithic and Early Historic China, 5000-1000 B.C. Ping-Ti Ho. Chinese University of Hong Kong, Hong Kong, and University of Chicago Press, Chicago, 1976. xxii, 440 pp., illus. \$20.

Crane Design. Theory and Calculations of Reliability. Josef Kogan. Halsted (Wiley), New York, and Israel Universities Press, Jerusalem, 1976. xiv, 366 pp., illus. \$42.50.

The Cretaceous System in the Western Interior of North America. Proceedings of a symposium, Saskatoon, Canada, May 1973. W. G. E. Caldwell, Ed. Geological Association of Canada, Toronto, 1975. x, 666 pp., illus. \$18.

Crop Production. Principles and Practices. Stephen R. Chapman and Lark P. Carter. Freeman, San Francisco, 1976. x, 566 pp., illus. \$15.

Culture and Communication. The Logic by Which Symbols Are Connected. An Introduction to the Use of Structuralist Analysis in Social Anthropology. Edmund Leach. Cambridge University Press, New York, 1976. viii, 106 pp., illus. Cloth, \$9.95; paper, \$3.95.

Current Topics in Cellular Regulation. Vol. 10. Bernard L. Horecker and Earl R. Stadtman, Eds. Academic Press, New York, 1976. xx, 294 pp., illus. \$29.50.

Custine's Eternal Russia. A New Edition of *Journey for Our Time*. Translated from the French and edited by Phyllis Penn Kohler. University of Miami Center for Advanced International Studies, Washington, D.C., 1976. vi, 218 pp. Cloth, \$8.95; paper, \$4.95. Monographs in International Affairs.

Dangerous Sea Creatures. A Complete Guide to Hazardous Marine Life. Thomas Helm. Funk and Wagnalls, New York, 1976. x, 278 pp., illus. Cloth, \$9.95; paper, \$4.95.

Darwin in America. The Intellectual Response, 1865-1912. Cynthia Eagle Russett. Freeman, San Francisco, 1976. xii, 228 pp., illus. Cloth, \$9; paper, \$4.95.

December's Child. A Book of Chumash Oral Narratives. Thomas C. Blackburn, Ed. University of California Press, Berkeley, 1975. xxiv, 360 pp. + plates. \$12.95.

Deep Water, Ancient Ships. The Treasure Vault of the Mediterranean. Willard Bascom. Illustrated by the author. Doubleday, Garden City, N.Y., 1976. xiv, 226 pp. + plates. \$8.95.

Defect Analysis in Electron Microscopy. M. H. Loretto and R. E. Smallman. Chapman and Hall, London, and Halsted (Wiley), New York, 1976. x, 134 pp., illus. \$16.50.

Developmental Genetics. Papers from a seminar, Aspen, Colo., July 1975. Cecilia M. Fenoglio, Reba Goodman, and Donald West King, Eds. Stratton, New York, 1976. viii, 118 pp., illus. Paper, \$10.50. Advances in Pathobiology, 3.

Developmental Psychophysiology of Mental Retardation. Concepts and Studies. Rathe Karrer, Ed. Thomas, Springfield, Ill., 1975. xvi, 506 pp., illus. \$26.75.

Diabetes. Its Physiological and Biochemical Basis. J. Vallance-Owen, Ed. University Park Press, Baltimore, 1975. viii, 208 pp. \$24.50.

The Drama of the Oceans. Elisabeth Mann Borgese. Abrams, New York, 1976. 258 pp., illus. \$25.

Drug Experiments on Prisoners. Ethical, Economic, or Exploitative? Peter B. Meyer. Lexington Books (Heath), Lexington, Mass., 1976. xx, 132 pp. \$13.50.

Drug Metabolism Reviews. Vol. 4. Frederick J. Di Carlo, Ed. Dekker, New York, 1976. xx, 320 pp., illus. \$32.50.

Drug Treatment of Mental Disorders. Lance L. Simpson, Ed. Raven, New York, 1976. x, 324 pp., illus. \$13.50.

Dynamical Concepts on Scaling Violation and the New Resonances in e^+e^- Annihilation. B. Humpert, Ed. Springer-Verlag, New York, 1976. viii, 250 pp., illus. Paper, \$10.30. Lecture Notes in Physics, vol. 45.

Ecological Energetics. Richard G. Wiegert, Ed. Dowden, Hutchinson and Ross, Stroudsburg, Pa., 1976 (distributor, Halsted [Wiley], New York). xvi, 460 pp., illus. \$25. Benchmark Papers in Ecology, vol. 4.

Ecology and Mental Health. Ecologie et Santé Mentale. Umwelt und seelische Ge-

(Continued on page 1256)



Rustrak miniature DC & AC recorders

The Widest Selection of Models and Ranges. DC ranges from 10 μ V. AC up to 600V, 1000A. Choose from single, dual channel and time sharing models. In stock at your local authorized Rustrak distributor.

Attention OEM's. Custom mounting arrangements, colors, nameplates, chart paper and scales available.

New 32 Page Catalog. Provides details on DC, AC, Temperature, Servo, Multichannel, Event and a variety of special recorder types.

gulton

Measurement & Control Systems Division
Gulton Industries Inc., East Greenwich, Rhode Island 02818
401-884-6800 • TWX 710-387-1500

Circle No. 214 on Readers' Service Card



Finnpipette

Accurate, reproducible, variable volume micropipetting. 1 μ l-5000 μ l

When you consider the cost of test failure through faulty pipetting - you'll choose the precision Finn timer pipette quality provides.

55,000 in use world wide

5 instruments cover the range from 1 μ l to 5,000 μ l with continuous adjustment and substitute 330 fixed volume pipettes.

Complete the system with quality Finn timer tips - they're free of pigment and mold release agent.

Send for FREE literature today!

VARIABLE VOLUMETRICS, INC.
volumetrics inc. variable volumetrics inc. variable
17 Cummings Park, Woburn, MA 01801
(617) 933-8170

Circle No. 331 on Readers' Service Card

BOOKS RECEIVED

(Continued from page 1228)

sundheit. Papers from a meeting, Lausanne, Nov. 1974. C. Müller, Ed. Karger, Basel, 1975. vi, 116 pp., illus. Paper, \$22.75. Reprinted from *Psychiatria Clinica*, vol. 7, No. 4-5.

The Economic Superpowers and the Environment. The United States, the Soviet Union, and Japan. Donald R. Kelley, Kenneth R. Stunkel, and Richard R. Wescott. Freeman, San Francisco, 1976. x, 336 pp. Cloth, \$11.95; paper, \$5.95.

Ego Development. Jane Loevinger with the assistance of Augusto Blasi. Jossey-Bass, San Francisco, 1976. xxii, 504 pp. \$17.50. The Jossey-Bass Behavioral Science Series.

Electrical Measurement Systems for Biological and Physical Scientists. Leonard J. Weber and Donald L. McLean. Addison-Wesley, Reading, Mass., 1975. xiv, 400 pp., illus. \$14.95. Addison-Wesley Series in Life Sciences.

Electronic Biology and Cancer. A New Theory of Cancer. Albert Szent-Györgyi. Dekker, New York, 1976. x, 112 pp., illus. \$13.50.

Electronics for Scientists and Engineers. R. Ralph Benedict. Prentice-Hall, Englewood Cliffs, N.J., ed. 2, 1976. xviii, 606 pp., illus. \$16.95.

Encyclopedia of Electrochemistry of the Elements. Vol. 5. Allen J. Bard, Ed. Dekker, New York, 1976. xii, 408 pp., illus. \$69.50.

Encyclopedia of Explosives and Related Items. Vol. 7, H₂ to Lysol. Basil T. Fedoroff and Oliver E. Sheffield assisted by Seymour M. Kaye. Picatinny Arsenal, Dover, N.J., 1975 (available as ADA#019502 from the National Technical Information Service, Springfield, Va.). Various pages. \$37.50.

Energy and Environment. A Primer for Scientists and Engineers. Edward H. Thorndike. Addison-Wesley, Reading, Mass., 1976. xvi, 286 pp., illus. Paper, \$8.95.

Energy Storage, Compression, and Switching. Proceedings of a conference, Asti-Torino, Italy, Nov. 1974. W. H. Bostick, V. Nardi, and O. S. F. Zucker, Eds. Plenum, New York, 1976. xiv, 538 pp., illus. \$35.

Environment of Life. Kenneth E. Maxwell. Dickenson, Encino, Calif., ed. 2, 1976. xviii, 490 pp., illus. \$12.95.

Environmental Planning. Perception and Behavior. Thomas F. Saarinen. Houghton Mifflin, Boston, 1976. xiv, 262 pp., illus. Paper, \$6.50.

Erythropeiosis. Proceedings of a conference, Tokyo, 1974. Kiku Nakao, James W. Fisher, and Fumimaro Takaku, Eds. University Park Press, Baltimore, 1975. x, 516 pp., illus. \$39.50.

Evaluation of Psychological Therapies. Psychotherapies, Behavior Therapies, Drug Therapies, and Their Interactions. Proceedings of a meeting. Robert L. Spitzer and Donald F. Klein, Eds. Johns Hopkins University Press, Baltimore, 1976. xiv, 314 pp., illus. \$17.

Evolution, Development, and Children's Learning. Harold D. Fishbein. Goodyear Publishing Co., Pacific Palisades, Calif., 1976. xx, 332 pp., illus. \$8.95. Goodyear Developmental Psychology Series.

Evolution of Desert Biota. Proceedings of a symposium, Boulder, Colo., Aug. 1973. David W. Goodall, Ed. University of Texas Press, Austin, 1976. vi, 250 pp., illus. \$12.95.

Experimental Methods in Organic Chemistry. James A. Moore and David L. Dalrymple. Saunders, Philadelphia, ed. 2, 1976. viii, 334 pp., illus. \$10.95. Instructor's Manu-

al. 84 pp. Saunders Golden Sunburst Series.

Experimental Myopathies and Muscular Dystrophy. Studies in the Formal Pathogenesis of the Myopathy of 2,4-Dichlorophenoxyacetate. Rainer Heene. Springer-Verlag, New York, 1975. vi, 100 pp., illus. \$19.70. Neurology Series, 16.

Experimenting with Organizational Life. The Action Research Approach. Alfred W. Clark, Ed. Plenum, New York, 1976. x, 260 pp. \$25.

A Field Guide to the Butterflies of the West Indies. Norman D. Riley. Quadrangle (New York Times), New York, 1976. 224 pp. + plates. \$12.50. Quadrangle Field Guide Series. A Demeter Press Book.

A Field Guide to the Nests, Eggs and Nestlings of British and European Birds. Colin Harrison. Quadrangle (New York Times), New York, 1976. 432 pp., illus. \$12.50. A Demeter Press Book. Quadrangle Field Guide Series.

Figuring Anthropology. First Principles of Probability and Statistics. David Hurst Thomas. Holt, Rinehart and Winston, New York, 1976. xii, 532 pp., illus. \$13.50.

Food Technology in the 1980s. Papers from a symposium, May 1974. The Royal Society, London, 1975. 198 pp., illus. £4.65. Reprinted from *Proceedings of the Royal Society of London*, series B, vol. 191, No. 1102.

Forecasts, Famines and Freezes. Climate and Man's Future. John Gribbin. Walker, New York, 1976. x, 132 pp., illus. \$8.95.

Formerly British Honduras. A Profile of the New Nation of Belize. William David Setzekorn. Dumbarton Press, Newark, Calif., 1976. x, 292 pp. Cloth, \$7.95; paper, \$3.95.

The Fourth Kingdom. William J. Sauber. Aquari, Midland, Mich., 1975. viii, 118 pp. \$6.95.

From Single Cells to Plants. E. Thomas and M. R. Davey. Wykeham, London, and Springer-Verlag, New York, 1975. xvi, 172 pp., illus. Paper, \$7.20. The Wykeham Science Series.

Function and Evolution in Behaviour. Essays in Honour of Professor Niko Tinbergen, F.R.S. Gerard Baerends, Colin Beer, and Aubrey Manning, Eds. Clarendon (Oxford University Press), New York, 1976. xxxii, 394 pp., illus. \$41.

Gaussian Processes, Function Theory, and the Inverse Spectral Problem. H. Dym and H. P. McKean. Academic Press, New York, 1976. xii, 336 pp. \$35. Probability and Mathematical Statistics, vol. 31.

Genetics and the Law. Proceedings of a symposium, Boston, May 1975. Aubrey Milunsky and George J. Annas, Eds. Plenum, New York, 1976. xii, 532 pp. \$22.50.

Genetics, Evolution, and Man. W. F. Bodmer and L. L. Cavalli-Sforza. Freeman, San Francisco, 1976. xviii, 782 pp., illus. \$14.95.

Glossary of Astronomy and Astrophysics. Jeanne Hopkins. University of Chicago Press, Chicago, 1976. viii, 170 pp. \$10.95.

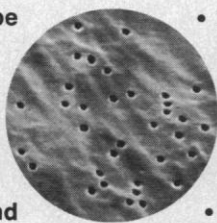
The Golgi Apparatus. W. G. Whaley. Springer-Verlag, New York, 1975. xii, 190 pp., illus. \$38.30. Cell Biology Monographs, vol. 2.

The Great Lakes Transportation System. Eric Schenker, Harold M. Mayer, and Harry C. Brockel. University of Wisconsin Sea Grant College Program, Madison, 1976. xviii, 292 pp., illus. Paper, \$3.50. Technical Report No. 230.

Handbook of Electronic Testing, Measurement and Troubleshooting. Matthew Mandl. Reston (Prentice-Hall), Reston, Va., 1976. xii, 288 pp., illus. \$16.95.

You know Nuclepore membranes are different...

- Screen type filtration
- Very smooth surface
- Low trace element background



- Low adsorption/absorption
- Non staining/non-toxic
- Chemically resistant
- Thin and strong
- Low, constant tare weight



Here's how the difference can work for you!

MICROBIOLOGY

Nuclepore membranes release no toxic substances *before or after* autoclaving . . . you save time and waste no solution or media. The smooth, velvet-like surface and non-staining feature allow microorganisms to be seen clearly. Low absorption/adsorption mean up to 95% increased yields.

constant tare weight makes gravimetric analysis easier and more accurate. Low trace element background is a true plus in emission and x-ray spectroscopy and neutron activation analysis.

QUANTITATIVE ANALYSIS

Weighing and counting samples as well as microscopic analysis are all made easier by Nuclepore's thinness and smooth surface. Low,

AEROSOL

Straight-through, accurate pores give unparalleled fractionation capability. All particulates larger than pore size are retained with uniform dispersion on membrane surface.

Learn what Nuclepore membranes can do for you. Contact us and we will see that you receive a catalog and full details.



7035 Commerce Cir., Pleasanton, Ca. 94566
(415) 462-2230

Handbook of Facial Growth. Donald H. Enlow with contributions by Robert E. Moyers and William W. Merow. Illustrations by William Roger Poston, II. Saunders, Philadelphia, 1975. xiv, 424 pp., illus. \$17.50.

Histopathology of the Endometrium. G. Dalenbach-Hellweg. Translated from the German second edition (Berlin, 1975) by F. D. Dalenbach. Springer-Verlag, New York, 1975. xii, 328 pp., illus. \$53.40.

Hospital Planning Handbook. Rex Whitaker Allen and Ilona von Károlyi. Wiley-Interscience, New York, 1976. xiv, 242 pp., illus. \$16.

Human Systems in Extreme Environments. A Sociological Perspective. Dennis S. Mileti, Thomas E. Drabek, and J. Eugene Haas. Uni-

versity of Colorado Institute of Behavioral Science, Boulder, 1975. viii, 166 pp. Paper, \$5. Program on Technology, Environment and Man Monograph No. 21.

Hunger. Basic Mechanisms and Clinical Implications. Papers from a meeting, Los Angeles, Jan. 1975. Donald Novin, Wanda Wywicki, and George A. Bray, Eds. Raven, New York, 1976. xvi, 494 pp., illus. \$34.

The Hydrolysis of Cations. Charles F. Baes, Jr., and Robert E. Mesmer. Wiley-Interscience, New York, 1976. xxii, 490 pp., illus. \$29.95.

IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man. Vol. 9, Some Aziridine, *N*-, *S*- and *O*-mustards and Selenium. International Agency for Research

on Cancer, Lyon, 1975 (U.S. distributor, Q Corporation, Albany, N.Y.). 268 pp. Paper, \$11.80.

Immunology. Readings from *Scientific American*. F. M. Burnet, Ed. Freeman, San Francisco, 1976. x, 276 pp., illus. Cloth, \$14; paper, \$7.

Inborn Errors of Skin, Hair and Connective Tissue. Proceedings of a symposium. J. B. Holton and J. T. Ireland, Eds. University Park Press, Baltimore, 1975. xiv, 288 pp., illus. \$19.50. Symposia of the Society for the Study of Inborn Errors of Metabolism, 11.

Infective Endocarditis. Donald Kaye, Ed. University Park Press, Baltimore, 1976. xiv, 272 pp., illus. \$19.50.

Information Sources in Power Engineering. A Guide to Energy Resources and Technology. Karen S. Metz. Greenwood Press, Westport, Conn., 1976. xiv, 114 pp. \$11.

Initial Rate Enzyme Kinetics. Herbert J. Fromm. Springer-Verlag, New York, 1975. x, 324 pp., illus. \$33.60. Molecular Biology, Biochemistry and Biophysics, 22.

International Review of Cytology. Vol. 44. G. H. Bourne, J. F. Danielli, and K. W. Jeon, Eds. Academic Press, New York, 1976. x, 426 pp., illus. \$35.

Introduction to Electric Circuits. Herbert W. Jackson. Prentice-Hall, Englewood Cliffs, N.J., ed. 4, 1976. xiv, 674 pp., illus. \$16.95.

Irreversible Properties of Type II Superconductors. Hans Ullmaier. Springer-Verlag, New York, 1975. x, 168 pp., illus. \$23.80. Springer Tracts in Modern Physics 76.

Jewish Reflections on Death. Jack Riemer, Ed. Schocken, New York, 1976. viii, 184 pp. Paper, \$3.45.

Knowledge and Policy in Manpower. A Study of the Manpower Research and Development Program in the Department of Labor. National Academy of Sciences, Washington, D.C., 1975. xii, 172 pp. Paper, \$6.25.

Knowledge in Action. Communication, Social Operations, and Management. Jurgen Ruesch. Aronson, New York, 1976. xxxii, 352 pp. \$15.

Light Scattering in Solids. M. Cardona, Ed. Springer-Verlag, New York, 1975. xiv, 342 pp., illus. \$38. Topics in Applied Physics, vol. 8.

The Liquid Phase. D. H. Trevena. Wykeham, London, and Springer-Verlag, New York, 1975. xii, 110 pp., illus. Paper, \$7.20. The Wykeham Science Series.

The Lives of Bats. D. W. Yalden and P. A. Morris. Quadrangle (New York Times), New York, 1976. 248 pp., illus. \$9.95. A Demeter Press Book.

Locally Convex Spaces. Kelly McKennon and Jack M. Robertson. Dekker, New York, 1976. viii, 66 pp. Paper, \$12.50. Lecture Notes in Pure and Applied Mathematics, 15.

The Long-Run Availability of Phosphorus. A Case Study in Mineral Resource Analysis. Frederick J. Wells. Published for Resources for the Future by Johns Hopkins University Press, Baltimore, 1976. xxii, 122 pp. \$9.50.

Lymphocytes and Their Interactions. Papers from a meeting, Mar. 1974. Ralph C. Williams, Jr., Ed. Raven, New York, 1975. xii, 228 pp., illus. \$12.50. Kroc Foundation Series, No. 4.

Macromolecular Physics. Vol. 2, Crystal Nucleation, Growth, Annealing. Bernhard Wunderlich. Academic Press, New York, 1976. xiv, 462 pp., illus. \$46.50.

Man, Energy, Society. Earl Cook. Freeman, San Francisco, 1976. xiv, 478 pp., illus. Cloth, \$14.95; paper, \$7.95.

Meet the smart incubator shaker

Set this bench-top incubator shaker at any speed from 40 to 500 rpm and it remembers—whether the line voltage fluctuates or you change the load. Once the temperature is set, it holds. Open the lid for as long as 120 seconds, and the sample temperature won't budge a fraction of a degree. We made it "smart" so that you never have to worry. And, we made it durable for the same reason. The drive is ball-bearing mounted and dynamically balanced to insure smooth, stable performance for years and years. You can even introduce gas mixtures.

Send today for catalog G24S/676.

NEW BRUNSWICK SCIENTIFIC CO., INC.
1130 Somerset Street, New Brunswick, N. J. 08903 • 201/846-4600
With NBS, Advanced Technology is a Way of Life.

super duper

That's what owners call the Illumitran 3 because it's the quick, simple and economical way to duplicate your color slides.

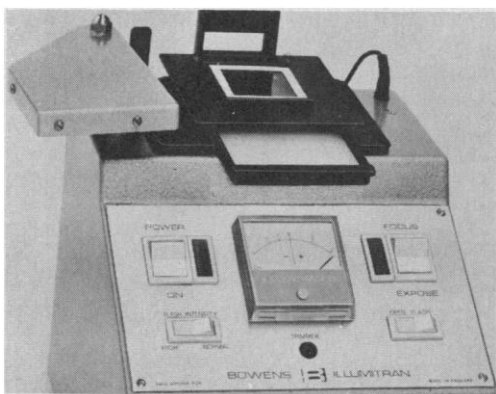
But there's much more to the story.

The special value of the Illumitran is in how it helps improve your original transparencies; how it makes it easy to color correct, enhance or crop and enlarge the almost perfect slide.

Exposure is controlled simply by a direct reading meter coupled to the flash stage. You get correct setting whether compensating for originals of varying density or for color correcting filters. You can copy originals up to 4 x 5; make or copy filmstrips; crop; make blowups and reductions; internegatives and Polaroid® prints. In fact, we can't tell you all its uses. Illumitran owners constantly tell us of new applications.

A built-in automatically controlled electronic flash gives you a 5:1; repeatable continuously variable output in each of two intensity ranges: one for conventional daylight color films, the second, for the new color duping emulsions. Color temperature is a constant 5600°K.

Ask your dealer or write for a brochure and learn why experts consider the Illumitran THE transparency duplicator.



BOWENS ILLUMITRAN 3
the versatile super duper

BOGEN PHOTO CORP.

P.O. Box 448, 100 So. Van Brunt St.
Englewood, N.J. 07631

Circle No. 185 on Readers' Service Card

Managing the Patient-Focused Laboratory. George D. Lundberg, Ed. Medical Economics Book Division, Oradell, N.J., 1976. xvi, 380 pp. \$17.95.

The Material Culture of Key Marco, Florida. Marion Spjut Gilliland. University Presses of Florida, Gainesville, 1975. x, 266 pp., illus. \$15. A University of Florida Book.

Mathematical Analysis of Decision Problems in Ecology. Proceedings of a conference, Istanbul, July 1973. A. Charnes and W. R. Lynn, Eds. Springer-Verlag, New York, 1975. viii, 424 pp., illus. Paper, \$15.10. Lecture Notes in Biomathematics, vol. 5.

A Mathematical Theory of Evidence. Glenn Shafer. Princeton University Press, Princeton, N.J., 1976. xiv, 298 pp. Cloth, \$17.50; paper, \$8.95.

The Mechanism of Neuronal and Extraneuronal Transport of Catecholamines. David M. Paton, Ed. Raven, New York, 1976. xii, 370 pp., illus. \$27.50.

Metabolic Compartmentation and Neurotransmission. Relation to Brain Structure and Function. Proceedings of a NATO Advanced Study Institute, Oxford, England, Sept. 1974. Soll Berl, D. D. Clarke, and Diana Schneider, Eds. Plenum, New York, 1975. xxiv, 722 pp., illus. \$49.50. NATO Advanced Study Institutes Series A, vol. 6.

Meteorology. The Earth and Its Weather. Joseph S. Weisberg. Houghton Mifflin, Boston, 1976. xii, 242 pp., illus. \$12.95.

Modeling and Control in the Biomedical Sciences. H. T. Banks. Springer-Verlag, New York, 1975. vi, 114 pp., illus. Paper, \$7.40. Lecture Notes in Biomathematics, 6.

Modern Developments in Lubrication Mechanics. J. A. Walowit and J. N. Anno. Halsted (Wiley), New York, 1975. x, 244 pp., illus. \$31.50.

Molecular Biology of Adenoviruses. L. Philipson, U. Pettersson, and U. Lindberg. Springer-Verlag, New York, 1975. iv, 118 pp., illus. \$24.10. Virology Monographs, 14.

Molecular Energy Transfer. Papers from a conference, Ein Bokek, Israel, Dec. 1973. R. D. Levine and J. Jortner, Eds. Halsted (Wiley), New York, and Israel Universities Press, Jerusalem, 1976. viii, 310 pp., illus. \$35.

Molecular Evolution. Francisco J. Ayala, Ed. Sinauer, Sunderland, Mass., 1976. x, 278 pp., illus. Paper, \$10.

Nerve and Muscle Excitation. Douglas Junge. Sinauer, Sunderland, Mass., 1976. xii, 144 pp., illus. Paper, \$7.50.

New Communities U.S.A. Raymond J. Burby, III, and Shirley F. Weiss with Thomas G. Donnelly and seven others. Lexington Books (Heath), Lexington, Mass., 1976. xxxiv, 598 pp., illus. Cloth, \$25; paper, \$7.95.

The Nile. Biology of an Ancient River. Julian RZóska, Ed. Junk, The Hague, 1976. xx, 418 pp., illus. Dfl. 120. Monographiae Biologicae, vol. 29.

Nuclear Analytical Chemistry IV. Analysis Based on the Interaction of Nuclear Radiation with Matter. J. Tölgyessy and S. Varga. English translation by V. Kačena and M. Rakovič. University Park Press, Baltimore, and VEDA, Bratislava, Czechoslovakia, 1975. 300 pp., illus. \$24.50.

Nuclear Magnetic Resonance Studies in Lyotropic Liquid Crystals. C. L. Khetrapal, A. C. Kunwar, A. S. Tracey, and P. Diehl. Springer-Verlag, New York, 1975. ii, 88 pp., illus. \$16.40. NMR, vol. 9.

Nuclear Proliferation and the Near-Nuclear Countries. Papers from a conference, Worces-

ter, Mass., Mar. 1975. Onkar Marwah and Ann Schulz, Eds. Ballinger (Lippincott), Cambridge, Mass., 1975. xvi, 350 pp. \$16.50.

The Nucleon-Nucleon Interaction. G. E. Brown and A. D. Jackson. North-Holland, Amsterdam, and Elsevier, New York, 1976. viii, 244 pp., illus. Paper, \$19.95.

Obesity in Perspective. Proceedings of a conference, Bethesda, Md., Oct. 1973. George A. Bray, Ed. National Institutes of Health, Bethesda, Md., 1975 (available from the Superintendent of Documents, Washington, D.C.). Two volumes. Part 1. xviii, 108 pp. \$5.65. Part 2. xxii, 528 pp., illus. \$9.90. Fogarty International Center Series on Preventive Medicine, vol. 2, parts 1 and 2. DHEW Publication No. (NIH) 75-708.

Objectives and Multi-Objective Decision Making under Uncertainty. Jochen Wilhelm. Springer-Verlag, New York, 1975. iv, 112 pp. Paper, \$7.40. Lecture Notes in Economics and Mathematical Systems, vol. 112.

Obra Polémica. Aguirre Beltrán. Centro de Investigaciones Superiores, Instituto Nacional de Antropología e Historia, Tlalpan, Mexico, 1976. 230 pp. Paper, \$6.

Of Acceptable Risk. Science and the Determination of Safety. William W. Lowrance. Kaufmann, Los Altos, Calif., 1976. x, 182 pp. Cloth, \$8.95; paper, \$4.95.

Organization of Emergency Medical Care. L. B. Shapiro and I. A. Ostrovskii. Translated from the Russian edition (Moscow, 1969). Johns Hopkins University Press, Baltimore, 1976. x, 166 pp. \$10.

Paradoxes in Politics. An Introduction to the Nonobvious in Political Science. Steven J. Brams. Free Press, New York, and Collier Macmillan, London, 1976. xx, 232 pp. Paper, \$6.95.

Partial Differential Equations. Theory and Technique. George F. Carrier and Carl E. Pearson. Academic Press, New York, 1976. xii, 320 pp. \$16.50.

Persons-in-Groups. A Humanistic Social Psychology. Donald W. Calhoun. Harper and Row, New York, 1976. xii, 484 pp., illus. \$12.95.

Philosophical Problems of Modern Physics. Peter Mittelstaedt. Translated from the German fourth edition. Reidel, Boston, 1975. x, 212 pp. Cloth, \$18.50; paper, \$11. Boston Studies in the Philosophy of Science, vol. 18. Synthese Library, vol. 95.

Photographic Techniques in Scientific Research. Vol. 2. A. A. Newman, Ed. Academic Press, New York, 1976. xii, 448 pp., illus. \$39.75.

The Physics of Electronic and Atomic Collisions. Papers from a conference, Seattle, July 1975. John S. Risley and R. Geballe, Eds. University of Washington Press, Seattle, 1976. xiv, 902 pp., illus. \$40.

Physiological Effects of Immunity against Reproductive Hormones. Papers from a conference, Cambridge, England, Dec. 1974. R. G. Edwards and M. H. Johnson, Eds. Cambridge University Press, New York, 1976. xii, 284 pp., illus. \$19.95. Clinical and Experimental Immunoreproduction, 3.

Physiology of Smooth Muscle. Papers from a symposium, Kiev, Oct. 1974. Edith Bülbirg and M. F. Shuba, Eds. Raven, New York, 1976. x, 438 pp., illus. \$35.50.

Picture Processing and Digital Filtering. T. S. Huang, Ed. Springer-Verlag, New York, 1975. xiv, 292 pp., illus. \$34.40. Topics in Applied Physics, vol. 6.

Plant Pathogenesis. Harry Wheeler. Springer-Verlag, New York, 1975. x, 108 pp., illus.

Our carry-in recorder/reproducer will carry on for 32.8 hours!

The 70-lb. Sabre VI: It's a giant leap beyond any other small, high performance IIRIG analog tape recorder/reproducer. Records at 8 electrically selectable speeds: 120 ips through 15/16 ips; reproduces at any 3 electrically selectable speeds; records from 15.3 minutes at the highest speed to 32.8 hours at the slowest on 14" reels. Remote speed selection and LED footage counter. LED bar data monitor. Let us give you full details.



SANGAMO RECORDERS

THE INNOVATORS IN TAPE INSTRUMENTATION

Sangamo Electric Company

Data Systems

P.O. Box 3347 • Springfield, Illinois 62714

(217) 544-6411

No. 670

Circle No. 273 on Readers' Service Card

\$16.80. Advanced Series in Agricultural Sciences 2.

Prehistoric Maritime Adaptations of the Circumpolar Zone. Papers from a congress, Chicago, 1973. William Fitzhugh, Ed. Mouton, The Hague, 1975 (U.S. distributor, Aldine, Chicago). x, 406 pp., illus. \$29.50. World Anthropology.

Prehistoric Plies. A Structural and Comparative Analysis of Cordage, Netting, Basketry, and Fabric from Ozark Bluff Shelters. Sandra Clements Scholtz. Arkansas Archeological Survey, Fayetteville, 1975. xiv, 194 pp., illus. Paper, \$6. Arkansas Archeological Survey Research Series No. 9.

Principles and Techniques of Electron Microscopy. Biological Applications. Vol. 6. M. A. Hayat, Ed. Van Nostrand Reinhold, New York, 1976. xxii, 356 pp., illus. \$27.50.

Problems and Solutions in Logic Design. D. Zissos with contributions by F. G. Duncan. Oxford University Press, New York, 1976. viii, 146 pp., illus. Cloth, \$8.75; paper, \$4.95.

Proceedings of the Centennial Symposium on Technology and Public Policy. Nashville, Tenn., Nov. 1975. Howard L. Hartman, Ed. Vanderbilt University School of Engineering, Nashville, Tenn., 1976. x, 134 pp. Paper.

Proceedings of the First International Symposium on Trichoptera. Lunz am See, Austria, Sept. 1974. Hans Malicky, Ed. Junk, The Hague, 1976. xiv, 214 pp., illus. Paper, Dfl. 70.

Proceedings of the Sixth International Congress of Pharmacology. Helsinki, July 1975. J. Tuomisto and M. K. Paasonen, Eds. Pergamon, New York, 1976. Six volumes, illus. Vol. 1, Receptors and Cellular Pharmacology. E. Klinge, Ed. x, 250 pp. Vol. 2, Neurotransmission. Liisa Ahtee, Ed. x, 312 pp. Vol. 3, CNS and Behavioural Pharmacology. M. Airaksinen, Ed. x, 344 pp. Vol. 4, Drug Therapy. H. Vapaatalo, Ed. x, 230 pp. Vol. 5, Clinical Pharmacology. M. J. Mattila, Ed. x, 242 pp. Vol. 6, Mechanisms of Toxicity and Metabolism. N. T. Kärki, Ed. x, 258 pp. Each volume, \$50; the set, \$250. Supplement to *Pharmacology and Therapeutics*.

Progress in Behaviour Therapy. Papers from a meeting, Wexford, Ireland. J. C. Brengelmann, J. T. Quinn, P. J. Graham, J. J. M. Harbison, and H. McAllister, Eds. Springer-Verlag, New York, 1975. xiv, 316 pp., illus. \$31.

Psycholinguistics. Introductory Perspectives. Joseph F. Kess. Academic Press, New York, 1976. xii, 268 pp. \$9.95.

Purchasing for the Health Care Facility. John H. Holmgren. Thomas, Springfield, Ill., 1975. xii, 268 pp., illus. \$19.50.

The Quality of American Life. Perceptions, Evaluations, and Satisfaction. Angus Campbell, Philip E. Converse, and Willard L. Rodgers. Russell Sage Foundation, New York, 1976 (distributor, Basic Books, New York). xiv, 584 pp., illus. \$15.

Quantitative Problems in the Biochemical Sciences. Rex Montgomery and Charles A. Swenson. Freeman, San Francisco, ed. 2, 1976. xiv, 370 pp., illus. Paper, \$5.95.

Rational Choice and Social Exchange. A Critique of Exchange Theory. Anthony Heath. Cambridge University Press, New York, 1976. x, 194 pp., illus. Cloth, \$16.95; paper, \$5.95.

Readings in Abnormal Psychology. Contemporary Perspectives. 1976-77 edition. Lawrence R. Allman and Dennis T. Jaffe, Eds. Harper and Row, New York, 1976. xii, 398 pp., illus. Paper, \$5.95.

Real Solids and Radiation. A. E. Hughes and D. Pooley. Wykeham, London, and

SCIENCE, VOL. 192

Springer-Verlag, New York, 1975. xii, 196 pp., illus. Paper, \$8.60. The Wykeham Science Series.

Reviews of Physiology, Biochemistry and Pharmacology. Vol. 73. R. H. Abrams and 15 others, Eds. Springer-Verlag, New York, 1975. viii, 180 pp., illus. \$40.20.

Ring Theory. Nonsingular Rings and Modules. K. R. Goodearl. Dekker, New York, 1976. x, 206 pp. \$24.50. Monographs and Textbooks in Pure and Applied Mathematics, 33.

Scales and Weights. A Historical Outline. Bruno Kisch. Yale University Press, New Haven, Conn., 1975. xxiv, 298 pp., illus. \$20. Reprint of the 1965 edition.

The Sea Urchin Embryo. Biochemistry and Morphogenesis. G. Czihak, Ed. Springer-Verlag, New York, 1975. xx, 702 pp., illus. \$59.80.

Second International Symposium on the Genetics of Industrial Microorganisms. Sheffield, England, Aug. 1974. K. D. Macdonald, Ed. Academic Press, New York, 1976. xviii, 636 pp., illus. \$49.50.

Sisson and Grossman's The Anatomy of the Domestic Animals. Robert Getty. Saunders, Philadelphia, ed. 5, 1975. Two volumes, illus. Vol. 1. xxxvi, 1212 pp. + index. Vol. 2. xxiv + pp. 1213-2096 + index. \$52.50.

The Social Animal. Elliot Aronson. Freeman, San Francisco, ed. 2, 1976. xvi, 336 pp., illus. Cloth, \$12.50; paper, \$4.95. A Series of Books in Psychology.

Social Psychology and Contemporary Society. Edward E. Sampson. Wiley, New York, ed. 2, 1976. xii, 568 pp., illus. \$12.95.

Society and Politics. Readings in Political Sociology. Richard G. Braungart, Ed. Prentice-Hall, Englewood Cliffs, N.J., 1976. xvi, 480 pp. \$14.95.

Social Thought in Tsarist Russia. The Quest for a General Science of Society, 1861-1917. Alexander Vucinich. University of Chicago Press, Chicago, 1976. x, 294 pp. \$15.50.

Solar Heating and Cooling. Engineering, Practical Design, and Economics. Jan F. Kreider and Frank Kreith. Scripta (Hemisphere), Washington, D.C., and McGraw-Hill, New York, 1975. x, 342 pp., illus. \$22.50.

The Solvay Conferences on Physics. Aspects of the Development of Physics since 1911. Jagdish Mehra. Reidel, Boston, 1975. xxxiv, 416 pp., illus. \$56.

Sound System Engineering. Don and Carolyn Davis. Sams/Bobbs-Merrill, Indianapolis, 1975. 296 pp., illus. \$19.95.

Space Structures. Their Harmony and Counterpoint. Arthur L. Loeb. Addison-Wesley, Reading, Mass., 1976. xviii, 170 pp., illus. Cloth, \$19.50; paper, \$9.50.

Spectrophotometric Determination of Elements. Zygmunt Marczenko. Translated from the Polish edition (Warsaw). Cameron G. Ramsey, Transl. Ed. Horwood, Chichester, England, and Halsted (Wiley), New York, 1976. xii, 644 pp., illus. \$55. Ellis Horwood Series in Analytical Chemistry.

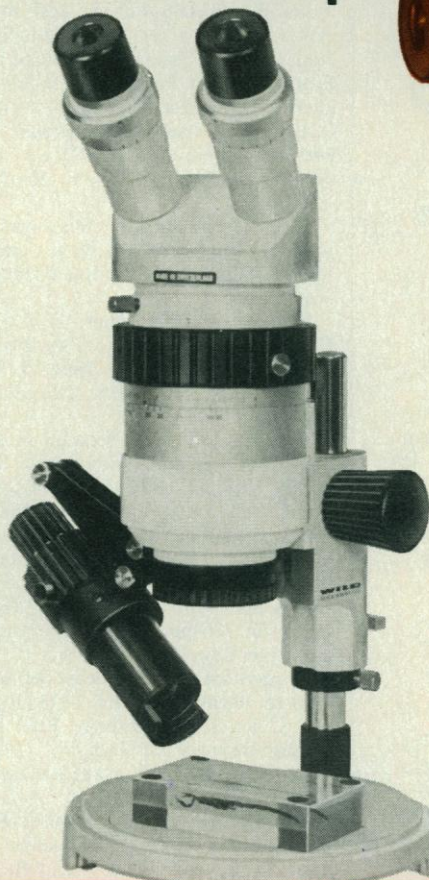
Spread Spectrum Systems. R. C. Dixon. Wiley-Interscience, New York, 1976. xviii, 318 pp., illus. \$22.50.

Statistical Mechanics. Donald A. McQuarrie. Harper and Row, New York, 1976. xviii, 642 pp., illus. \$29.95. Harper's Chemistry Series.

Stochastic Processes in Queueing Theory. A. A. Borovkov. Translated from the Russian edition (Moscow, 1972) by Kenneth Wickwire. Springer-Verlag, New York, 1976. xii, 280 pp. \$29.80. Applications of Mathematics, 4.

**make sure you look
into this M-7 Zoom
Stereomicroscope.**

WILD



Everybody talks about crisp, flat images, large field diameters, convenience and versatility.

The M-7 image is **exceptionally crisp and completely flat.** Compare. Field diameter with 10x eyepieces is 35.5 mm at 6x to 7.0 mm at 31x. Compare.

Enhanced operating convenience obtained with zoom power changer (magnification ratio 5:1); unique depth of field adjustment (optional); fully rotatable body for observation from any direction.

Versatility? Large working distance for easy manipulation of diverse specimens . . . in the lab or in the factory. A range of stands for all requirements. Easy to use camera lucida. The M-7 is ideal for photomicrography with a choice of cameras, mounted on monocular tube. Look into the M-7. You'll really see something. Write for Data Sheet M-7.



Zoom power changer scale "V" and rotating scale with exposure factors: Once an exposure time has been found for a given power (by trial and error), the accurate exposure time for any other power is simply read off the scale, as long as object and illumination remain unchanged.

WILD[®]
HEERBRUGG

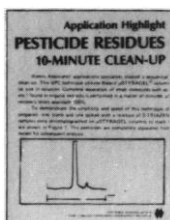
WILD HEERBRUGG INSTRUMENTS, INC.

FARMINGDALE, NEW YORK 11735 • 516-293-7400
WILD OF CANADA, 881 LADY ELLEN PLACE, OTTAWA 3, CAN.
WILD OF MEXICO, S. A. LONDRES 256, MEXICO 6, D. F.

NEW required reading

on the Separation of
Pesticides from Waters

Pesticide Residues 10-Minute Clean-up



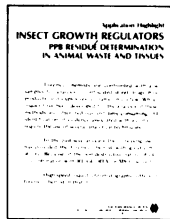
Circle No. 239 on Readers' Service Card

Rapidly Determine Carbaryl in Pesticide Formulations



Circle No. 240 on Readers' Service Card

Insect Growth Regulators ppb Residue Determination in Animal Waste and Tissue



Circle No. 241 on Readers' Service Card

free from



201 Maple Street, Milford, Ma 01757
Telephone (617) 478-2000

The Liquid Chromatography People

Structure and Bonding. Vol. 21. J. D. Dunitz and seven others, Eds. Springer-Verlag, New York, 1975. iv, 150 pp., illus. \$25.

Structure and Bonding. Vol. 23. J. D. Dunitz and seven others, Eds. Springer-Verlag, New York, 1975. iv, 194 pp., illus. + index. \$31.90.

Structure and Conformation of Nucleic Acids and Protein-Nucleic Acid Interactions. Proceedings of a symposium, Madison, Wis., June 1974. M. Sundaralingam and S. T. Rao, Eds. University Park Press, Baltimore, 1975. xxiv, 752 pp., illus. \$44.50.

A Study of Brief Psychotherapy. D. H. Malan. Plenum, New York, 1975. xiv, 312 pp. Paper, \$6.95. Rosetta Edition. Reprint of the 1963 edition.

Surface Physics. P. Wissmann and K. Müller. Springer-Verlag, New York, 1975. vi, 128 pp., illus. \$22.20. Springer Tracts in Modern Physics 77.

Surgery of the Urether. R. Küss and C. Chatelain. Translated from the French by A. Walsh. Springer-Verlag, New York, 1975. x, 338 pp., illus. \$98.50. Encyclopedia of Urology, 13/3.

Symbiotic Nitrogen Fixation in Plants. Papers from a meeting, Edinburgh, Sept. 1973. P. S. Nutman, Ed. Cambridge University Press, New York, 1976. xxviii, 584 pp., illus. \$55. International Biological Programme 7.

Symmetry Principles in Elementary Particle Physics. W. M. Gibson and B. R. Pollard. Cambridge University Press, New York, 1976. xii, 380 pp. \$39.50. Cambridge Monographs on Physics.

Symposium über Probleme der Kardio-Vaskulären Regulation. Nov. 1973. R. Baumann and J. K. Schchwazabaja, Eds. Akademie-Verlag, Berlin, East Germany, 1975. 634 pp., illus. 98 M. Abhandlungen der Akademie der Wissenschaften der DDR.

Tall Timbers Conference on Ecological Animal Control by Habitat Management. Proceedings. No. 6. Gainesville, Fla., Feb. 1974. Tall Timbers Research Station, Tallahassee, Fla., 1976. viii, 268 pp., illus. Paper.

Taurine. Papers from a symposium, Tucson, Ariz., Mar. 1975. Ryan Huxtable and Andre Barbeau, Eds. Raven, New York, 1976. xiv, 398 pp., illus. \$35.50.

The Tautomerism of Heterocycles. José Elguero, Claude Marzin, Alan R. Katritzky, and Paolo Linda. Academic Press, New York, 1976. xxx, 656 pp., illus. \$54. Advances in Heterocyclic Chemistry, Supplement 1.

Teratology. Trends and Applications. C. L. Berry and D. E. Poswilllo, Eds. Springer-Verlag, New York, 1975. x, 240 pp., illus. \$33.70.

Theoretical Principles of Psychosomatic Medicine. I. T. Kurtzin. Translated from the Russian edition (Leningrad, 1973) by N. Kaner. E. Lieber, Transl. Ed. Halsted (Wiley), New York, and Israel Program for Scientific Translation, Jerusalem, 1976. xii, 258 pp., illus. \$35.

Theory of Orientation and Stereoselection. Kenichi Fukui. Springer-Verlag, New York, 1975. viii, 136 pp., illus. \$18.10. Reactivity and Structure Concepts in Organic Chemistry, vol. 2.

The Therapist's Handbook. Treatment Methods of Mental Disorders. Benjamin B. Wolman, Ed. Van Nostrand Reinhold, New York, 1976. xvi, 540 pp. \$22.50.

Thermodynamic Theory of Domain Structures. I. Privorotskii. Halsted (Wiley), New York, and Israel Universities Press, Jerusalem, 1976. xii, 130 pp. \$22.50.

The Thinking Computer. Mind inside Matter. Bertram Raphael. Freeman, San Fran-

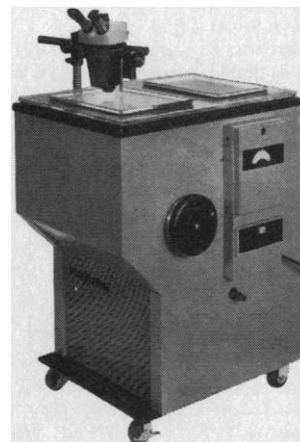
The First Wide Range Microtome-cryostat... Temperatures from -15°C to -50°C... Frozen Sections from 40 μ to 2 μ .

The Harris LoTemp model WRC is two microtome-cryostats in one. A single unit that can do both routine diagnostic procedures and such sophisticated research procedures as thin section light microscopy, autoradiography, fluorescence microscopy and other histological procedures, at a cost comparable to presently available routine cryostats.

The Harris model WRC is compact... can be moved anywhere it's needed. The cold chamber has extra room for tissue handling, storage or freeze drying. Full opening top with special access ports combines the features of a totally closed system with the easy accessibility of open top models.

Available equipped with International Equipment Corp. microtomes, or cryostat only prepared for installation of your present I.E.C. microtome. Installed stereo zoom microscope also available.

For a full description of the Harris WRC and its wide range of additional features write or call...



Harris Manufacturing Co., Inc.
14 Republic Road
Treble Cove Industrial Park
North Billerica, Mass. 01862
(617) 667-5116

Circle No. 310 on Readers' Service Card

cisco, 1976. xiv, 322 pp., illus. Cloth, \$12.95; paper, \$6.95. A Series of Books in Psychology.

This Man Knows You. Sean Harribance as told to H. Richard Neff. Naylor Company, San Antonio, Texas, 1976. xii, 138 pp. \$7.95.

Time before Morning. Art and Myth of the Australian Aborigines. Louis A. Allen. Crowell, New York, 1976. xvi, 304 pp., illus. \$18.95.

Topologie et Perception. Tome 2, Aspects Neurophysiologiques. Claude Paul Bruter. Doin, Paris, and Maloine, Paris, 1976. 274 pp., illus. Paper, 98 F. Recherches Interdisciplinaires.

Toxicology of Pesticides. Wayland J. Hayes, Jr. Williams and Wilkins, Baltimore, 1975. xviii, 580 pp., illus. \$39.50.

Treatise on Analytical Chemistry. Part 2, Analytical Chemistry of Inorganic and Organic Compounds. Vol. 15. I. M. Kolthoff and Philip J. Elving, Eds. Wiley-Interscience, New York, 1976. xxiv, 510 pp., illus. \$31.

Trigonometry for Today. Robert E. Mosher. Harper and Row, New York, 1976. xiv, 314 pp., illus. \$11.95.

Unclassifiable Leukemias. Proceedings of a symposium, Paris, Oct. 1974. Marcel Bessis and George Brecher, Eds. Springer-Verlag, New York, 1975. viii, 272 pp., illus. Paper, \$19.70.

Under the Rainbow. Nature and Supernature among the Panare Indians. Jean-Paul Dumont. University of Texas Press, Austin, 1976. xiv, 178 pp., illus. \$9.95. The Texas Pan American Series.

Underexploited Tropical Plants with Promising Economic Value. Report of an Ad Hoc Panel of the Advisory Committee on Technology Innovation, Board on Science and Technology for International Development. National Academy of Sciences, Washington, D.C., 1975. x, 190 pp., illus. Paper. BOSTID Advisory Studies and Reports, 16.

The Universe Unfolding. Ivan R. King. Freeman, San Francisco, 1976. x, 504 pp., illus. \$14.95.

Universities in the Western World. Papers from a conference, Venice, Oct. 1973. Paul Seabury, Ed. Published in cooperation with the International Council on the Future by Free Press, New York, and Collier Macmillan, London, 1975. xiv, 304 pp. \$10.95.

Urban Latin America. The Political Condition from Above and Below. Alejandro Portes and John Walton. University of Texas Press, Austin, 1976. x, 218 pp. \$13.95. The Texas Pan American Series.

Valuing the Self. What We Can Learn from Other Cultures. Dorothy Lee. Prentice-Hall, Englewood Cliffs, N.J., 1976. viii, 88 pp. Cloth, \$7.95; paper, \$2.95. A Spectrum Book.

Variation, Senescence, and Neoplasia in Cultured Somatic Cells. John W. Littlefield. Harvard University Press, Cambridge, Mass., 1976. xiv, 164 pp., illus. \$8.95. A Commonwealth Fund Book.

Veins and Their Control. John T. Shepherd and Paul M. Vanhoutte. Saunders, Philadelphia, 1975. xii, 270 pp., illus. \$17.50.

Viscoelasticity. Wilhelm Flügge. Springer-Verlag, New York, ed. 2, 1975. viii, 194 pp., illus. \$15.60.

Why Chimps Can Read. Ann J. Premack. Drawings by Robert Schneider. Harper and Row, New York, 1976. x, 118 pp. \$7.95.

Young Girls. A Portrait of Adolescence. Gisela Konopka. Prentice-Hall, Englewood Cliffs, N.J., 1976. xvi, 176 pp. Cloth, \$8.95; paper, \$2.95. A Spectrum Book.

Precision balances and weighing systems by SAUTER.

Precision Balance Type MPR



Precision Balance Type MM 160



Electronic Precision Balance Type K 1200/K 12



Precision Balance Type SM 1600



Analytical Balance Type 404/13



Electronic Precision Balance Type R 300/R 3000

SAUTER balances have earned a reputation for ease of operation, economy and practical technology. No wonder SAUTER balances are the choice in research and development laboratories, in industry and scientific institutions just about everywhere.

SAUTER precision toploading balances have weighing ranges from 160 g to 10 kg and more. Resolution from 1 mg to 1 g.

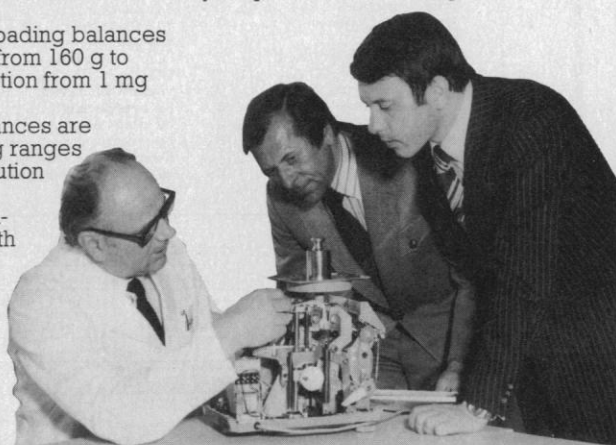
SAUTER-analytical balances are available with weighing ranges of 100 and 200 g. Resolution of 0.01 mg or 0.1 mg.

Electronic precision balances are available with weighing ranges of 120 g, 300 g, 1200 g, 3000 g, 12 kg and 120 kg.

Shown here is but a small sample of the complete SAUTER line affording high accuracy in weighing ranges from a few grams up to a ton.

Please write and let us help solve your particular balance problems.

SAUTER



August Sauter of America,
80 Fifth Ave., New York, N. Y. 10011.