There are some important omissions in subject matter, however. The book is strong in chemistry and upper-air physics, but it is weak in radiation theory, thermodynamics, and circulation of lower atmospheres. It is nicely produced, but there is no obvious reason why it had to be priced beyond the means of most potential users.

J. W. CHAMBERLAIN Department of Space Physics and Astronomy, Rice University, Houston, Texas

Books Received

Air Pollution—Threat and Response. David A. Lynn. Addison-Wesley, Reading, Mass., 1976. x, 388 pp., illus. Paper, \$8.95.

Annual Review of Medicine. Selected Topics in the Clinical Sciences. Vol. 27. William P. Creger, C. H. Coggins, and E. W. Hancock, Eds. Annual Reviews, Palo Alto, Calif., 1976. x, 530 pp., illus. \$15.

Antimetabolites of Nucleic Acid Metabolism. The Biochemical Basis of Their Action, with Special Reference to Their Application in Cancer Therapy. Peter Langen. Translated from the German edition (Berlin, 1967) by Thomas A. Scott. Gordon and Breach, New York, 1975. xii, 274 pp., illus. \$23.

Applied Mechanics: More Dynamics. Charles E. Smith. Wiley, New York, 1976. xii, 244 pp., illus. \$11.95.

Assessing Drug Reactions—Adverse and Beneficial. Vol. 7, Philosophy and Technology of Drug Assessment. Proceedings of a conference, Elkridge, Md., Mar. 1975. Frank N. Allan, Ed. Published for the Smithsonian Institution Interdisciplinary Communication Program by Interdisciplinary Communication Associates, Washington, D.C., 1976. xliv, 158 pp. Paper, \$12.

Atherosclerosis Reviews. Vol. 1. Rodolfo Paoletti and Antonio M. Gott, Jr., Eds. Raven, New York, 1976. x, 266 pp., illus. \$18.

Atlas of Ultrastructure of Streptomyces in Course of Biosynthesis of Antibiotics. W. Kuryłowicz, W. Kurzątkowski, S. T. Williams, Wanda Woźnicka, and Alina Paszkiewicz. Polish Medical Publishers, Warsaw, 1975 (U.S. distributor, American Society for Microbiology, Washington, D.C.). 112 pp. \$6.

Basic Experimentation in Psychoacoustics. Alan M. Richards. University Park Press, Baltimore, 1976. viii, 168 pp., illus. \$12.50. The Country Journal New England Weather

The Country Journal New England Weather Book. David Ludlum. Houghton Mifflin, Boston, 1976. xii, 148 pp., illus. Cloth, \$10.95; paper, \$5.95.

Creativity. The Magic Synthesis. Silvano Arieti. Basic Books, New York, 1976. xvi, 448 pp. \$15.95.

Distinctive Features. Theory and Validation. Sadanand Singh. University Park Press, Baltimore, 1976. x, 270 pp., illus. \$16.50.

Dreams, Culture, and the Individual. Carl W. O'Nell. Chandler and Sharp, San Francisco, 1976. xiv, 88 pp. Paper, \$2.50. Chandler and Sharp Series in Cross-Cultural Themes.

Glacial Till. An Inter-Disciplinary Study. Papers from a conference, Ottawa, Canada, Feb. 1975. Robert F. Legget, Ed. Published by the Royal Society of Canada in Cooperation with the National Research Council of Canada, Ottawa, 1976. x, 412 pp., illus. \$20. The Royal Society of Canada Special Publications, No. 12.

An Introduction to Engineering. Methods, Concepts, and Issues. Edward V. Krick. Wiley, New York, 1976. xiv, 358 pp., illus. Paper, \$9.50.

Introduction to General Toxicology. E. J. Ariëns, A. M. Simonis, and J. Offermeier. Academic Press, New York, 1976. viii, 230 pp., illus. \$14.50.

Louis Pasteur. Free Lance of Science. René Dubos. Scribner, New York, ed. 2, 1976. xl, 422 pp. \$12.50.

Lying, Despair, Jealousy, Envy, Sex, Suicide, Drugs, and the Good Life. Leslie H. Farber. Basic Books, New York, 1976. viii, 232 pp. \$10.

Mathematical Theory of Expanding and Contracting Economics. Oskar Morgenstern and Gerald L. Thompson. Lexington Books (Heath), Lexington, Mass., 1976. xviii, 278 pp., illus. \$18.95.

Microprocessors. Technology, Architecture, and Applications. Daniel R. McGlynn. Wiley-Interscience, New York, 1976. xiv, 208 pp., illus. \$11.95.

Naming Organic Compounds. A Programmed Introduction to Organic Chemistry. James E. Banks. Saunders, Philadelphia, ed. 2, 1976. x, 310 pp., illus. + appendices. Paper, \$5.95. Saunders Golden Sunburst Series.

Natural Background Radiation in the United States. Recommendations of the National Council on Radiation Protection and Measurements. National Council on Radiation Protection and Measurements, Washington, D.C., 1975. xii, 164 pp., illus. Paper, \$5. NCRP Report No. 45.

Oil. A Guide through the Total Energy Jungle. Philip Windsor. Gambit, Boston, 1976. x, 182 pp. \$8.95.

Papers on the Chumash. C. David Beers and six others. San Luis Obispo County Archaeological Society, San Luis Obispo, Calif., 1975. vi, 198 pp., illus. Paper, \$8.75. Occasional Paper No. 9.

The Primitive Family and Its Origin and Development. Carl Nicolai Starcke. Rodney Needham, Ed. University of Chicago Press, Chicago, 1976. xxxii, 304 pp. \$14. Reprint of the 1889 English translation of the original German edition.

Psychology in Progress. Papers from meetings. Kurt Salzinger, Ed. New York Academy of Sciences, New York, 1976. iv, 152 pp., illus. Paper, \$11. Annals of the New York Academy of Sciences, vol. 270.

Quantum States of Atoms, Molecules, and Solids. Michael A. Morrison, Thomas L. Estle, and Neal F. Lane. Prentice-Hall, Englewood Cliffs, N.J., 1976. xvi, 576 pp., illus. \$25.50. Prentice-Hall Physics Series.

Transient Electromagnetic Fields. L. B. Felsen, Ed. Springer-Verlag, New York, 1976. xiv, 274 pp., illus. \$38. Topics in Applied Physics, vol. 10.

Urban Sociology. Mark Abrahamson. Prentice-Hall, Englewood Cliffs, N.J., 1976. viii, 280 pp., illus. \$10.95. Prentice-Hall Series in Sociology.

Values in Education and Society. Norman T. Feather. Free Press (Macmillan), New York, and Collier Macmillan, London, 1975. xvi, 350 pp. \$14.95.

World Population Growth and Response. 1965–1975—A Decade of Global Action. Population Reference Bureau, Washington, D.C., 1976. viii, 272 pp., illus. Paper, \$4.

Book Order Service

A Science Book Order Service, based on the Books Received column, has been established. It is scheduled for each issue in which there is a Readers' Service Card. To order any of the books listed, circle the corresponding number on the Readers' Service Card (pages 538A and 602A); the participating publisher(s) will ship the title(s) ordered and send you a bill.

ABEND Debugging for COBOL Programmers. B. H. Boar. Wiley-Interscience, New York, 1976. xiv, 322 pp. \$17.50. To order this book circle No. 497 on Readers' Service Card

Advances in Cancer Research. Vol. 23. George Klein, Sidney Weinhouse, and Alexander Haddow, Eds. Academic Press, New York, 1976. x, 310 pp., illus. \$27.50. To order this book circle No. 415 on Readers' Service Card

Advances in Enzymology and Related Areas of Molecular Biology. Vol. 44. Alton Meister, Ed. Interscience (Wiley), New York, 1976. vi, 314 pp., illus. \$17.50. To order this book circle No. 416 on Readers' Service Card

Advances in Mass Spectrometry in Biochemistry and Medicine. Vol. 1. Proceedings of a symposium, Milan, Italy, June 1974. Albert Frigerio and Neal Castagnoli, Eds. Spectrum, New York, 1976 (distributor, Halsted [Wiley], New York). xxii, 586 pp., illus. \$40. To order this book circle No. 417 on Readers' Service Card

Advances in Virus Research. Vol. 20. Max A. Lauffer, Frederick B. Bang, Karl Maramorosch, and Kenneth M. Smith, Eds. Academic Press, New York, 1976. viii, 360 pp., illus. \$27. To order this book circle No. 418 on Readers' Service Card

Analytical Methods for Pesticides and Plant Growth Regulations. Gunter Zweig, Ed. Vol. 8, Government Regulations, Pheromone Analysis, Additional Pesticides. Gunter Zweig and Joseph Sherma, Eds. Academic Press, New York, 1976. xiv, 510 pp., illus. \$46.50. To order this book circle No. 419 on Readers' Service Card

Applied Data Management. Charles T. Meadow. Wiley-Interscience, New York, 1976. xviii, 300 pp., illus. \$15.95. Information Sciences Series. To order this book circle No. 420 on Readers' Service Card

Applied Geometric Programming. Charles S. Beightler and Donald T. Phillips. Wiley, New York, 1976. xvi, 590 pp. \$18.95. To order this book circle No. 421 on Readers' Service Card

Automata, Language, and Machines. Vol. B. Samuel Eilenberg with two chapters by Bret Tilson. Academic Press, New York, 1976. xiv, 388 pp. \$22.50. Pure and Applied Mathematics. To order this book circle No. 422 on Readers' Service Card

Brain Metabolism and Cerebral Disorders. Harold E. Himwich, Ed. Spectrum, New York, ed. 2, 1976 (distributor, Halsted [Wiley], New York). xvi, 384 pp., illus. \$28. *To order this book circle No. 423 on Readers' Service Card*

Chemotherapy. Proceedings of a congress, London, July 1975. Vol. 7, Cancer Chemotherapy. I. K. Hellmann and T. A. Connors, Eds. Plenum, New York, 1976. xii, 364 pp., illus. \$35. *To order this book circle No. 424 on Readers' Service Card*

Child and Adolescent Psychology. Gene R. Medinnus and Ronald C. Johnson. Wiley, (Continued on page 612)

SCIENCE, VOL. 193



Within 5 to 30 minutes, the Birchover Radiochromatogram Spark Chamber nondestructively locates and records the distribution of radioactive compounds on electrophoresis gels, paper, or thin layer plate radiochroma-tograms. With conventional autoradiography, the same process takes from three days to three weeks, with radiochromatogram scanning, from one to six hours. The instrument's camera produces a one-minute Polaroid print similar to an autoradiograph-a true record of radioactivity distribution in alpha, beta, and gamma emitting isotopes. An epidioscope print projection system of fixed magnification transfers the image from the Polaroid print directly back on the original radiochromatogram. An optional feature permits viewing under direct ultraviolet or natural light or by transmitted natural illumination and obtaining a permanent photographic record. Call or write today for complete details.



Circle No. 135 on Readers' Service Card

BOOK ORDER SERVICE

(Continued from page 570)

New York, ed. 2, 1976. x, 554 pp., illus. \$13.95. To order this book circle No. 425 on Readers' Service Card

Continuum Physics. Vol. 3, Mixtures and EM Field Theories. A. Cemal Eringen, Ed. Academic Press, New York, 1976. xiv, 318 pp. \$33.50. To order this book circle No. 426 on Readers' Service Card

Convolution and Fourier Transforms for Communications Engineers. R. D. A. Maurice. Halsted (Wiley), New York, 1976. viii, 190 pp., illus. \$19.75. To order this book circle No. 427 on Readers' Service Card

Cultural Change and Continuity. Essays in Honor of James Bennett Griffin. Charles E. Cleland, Ed. Academic Press, New York, 1976. lxxviii, 378 pp., illus. \$24.50. Studies in Archeology. To order this book circle No. 428 on Readers' Service Card

The Enzymes of Biological Membranes. Vol. 2, Biosynthesis of Cell Components. Anthony Martonosi, Ed. Plenum, New York, 1976. xviii, 654 pp., illus. \$45. To order this book circle No. 429 on Readers' Service Card

Field Photography. Beginning and Advanced Techniques. Alfred A. Blaker. Freeman, San Francisco, 1976. xxiv, 452 pp., illus. \$19.95. To order this book circle No. 430 on Readers' Service Card

French-English Science and Technology Dictionary. Louis DeVries. Revised by Stanley Hochman. McGraw-Hill, New York, ed. 4, 1976. xiv, 684 pp. \$13.50. To order this book circle No. 431 on Readers' Service Card

Fundamentals of Organic Reaction Mechanisms. J. Milton Harris and Carl C. Wamser. Wiley, New York, 1976. viii, 384 pp., illus. \$17.50. To order this book circle No. 432 on Readers' Service Card

Gluconeogenesis. Its Regulation in Mammalian Species. Richard W. Hanson and Myron A. Mehlman, Eds. Wiley-Interscience, New York, 1976. xxviii, 592 pp., illus. \$30. To order this book circle No. 433 on Readers' Service Card

Human Anatomy and Physiology. James E. Crouch and J. Robert McClintic. Wiley, New York, ed. 2, 1976. xxiv, 810 pp., illus. + appendices. \$17.50. To order this book circle No. 434 on Readers' Service Card

Introduction to Ore Deposits. Ludwig Baumann. Halsted (Wiley), New York, 1976. viii, 132 pp., illus. \$16.50. To order this book circle No. 436 on Readers' Service Card

Invertebrate Tissue Culture. Research Applications. Karl Maramorosch, Ed. Academic Press, New York, 1976. xiv, 394 pp., illus. \$34.50. To order this book circle No. 437 on Readers' Service Card

Laser Induced Fusion and X-Ray Laser Studies. Papers from a summer school, Santa Fe, N.M., June 1975. Stephen F. Jacobs, Marlan O. Scully, Murray Sargent III, and Cyrus D. Cantrell, III, Eds. Addison-Wesley, Reading, Mass., 1976. xii, 668 pp., illus. \$27.50. Physics of Quantum Electronics, vol. 3. To order this book circle No. 438 on Readers' Service Card

Laser Photochemistry, Tunable Lasers, and Other Topics. Papers from a summer school, Santa Fe, N.M., June 1975. Stephen F. Jacobs, Murray Sargent III, Marlan O. Scully, and Charles T. Walker, Eds. Addison-Wesley, Reading, Mass., 1976. xiv, 470 pp., illus. \$23.50. Physics of Quantum Electronics, vol. 4. To order this book circle No. 439 on Readers' Service Card

Your best buy in UV Monitors

Bio-Rad's new

Model 1300

Here's a UV monitor with all the features you always wanted, at a price you can afford — \$1,395.

1. Dual wavelength. Just pull the knob on the sensor to switch from 254 to 280 nm.

2. Direct readout — in absorbance units.

3. Six interchangeable flow cells. Standard: (as equipped) high sensitivity with 1.6 mm bore arms.

Optional: Microcell, Density Gradient, High Absorbance (0.5-200 OD), Dual Path Flow and Quantitative.

Cell changing is easy, positive positioning pin insures correct alignment.

4. Cold room operation. All components are stabilized for continuous cold room operation.

5. Event marker. For peak delineation.

6. Convenient mounting. Sensor can easily be located near separation source. Bar at rear of sensor simplifies mounting.
7. Range. A 7-position range selector, including recorder zero position.

8. No high voltage in connecting cables.



Circle No. 157 on Readers' Service Card

Magnetism in Metals and Metallic Compounds. Proceedings of a school, Karpacz, Poland. Feb. 1974. Jan T. Łopuszański. Andrzej Pękalski, and Jerzy Przystawa, Eds. Plenum, New York, 1976. xiv, 626 pp., illus. \$49.50. To order this book circle No. 440 on Readers' Service Card

Methods in Membrane Biology. Vol. 6. Edward D. Korn, Ed. Plenum, New York, 1976. xviii, 248 pp., illus. \$24. To order this book circle No. 441 on Readers' Service Card

Methods in Plant Ecology. S. B. Chapman, Ed. Halsted (Wiley), New York, 1976. vii, 536 pp., illus. \$29.50. To order this book circle No. 372 on Readers' Service Card

Microscale Manipulations in Chemistry. T. S. Ma and V. Horak. Wiley-Interscience, New York, 1976. xvi, 488 pp., illus. \$27.50. Chemical Analysis, vol. 44. To order this book circle No. 442 on Readers' Service Card

Persons at High Risk of Cancer. An Approach to Cancer Etiology and Control. Proceedings of a conference, Key Biscayne, Fla., Dec. 1974. Joseph F. Fraumeni, Jr., Ed. Academic Press, New York, 1975. xx. 544 pp. \$19. To order this book circle No. 498 on Readers' Service Card

Proceedings of the Conference on Finite Groups. Park City, Utah, Feb. 1975. William R. Scott and Fletcher Gross, Eds. Academic Press, New York, 1976. xiv, 566 pp. \$27.50. *To order this book circle No. 445 on Readers' Service Card*

Proceedings of the Third International Conference on Light Scattering in Solids. Campinas, Brazil, July 1975. M. Balkanski, R. C. C. Leite, and S. P. S. Porto, Eds. Halsted (Wiley), New York, 1976. xvi, 966 pp., illus. + index. \$47.50. To order this book circle No. 446 on Readers' Service Card

Progress in Psychobiology and Physiological Psychology. Vol. 6. James M. Sprague and Alan N. Epstein, Eds. Academic Press, New York, 1976. xiv, 296 pp., illus. \$23.50. To order this book circle No. 499 on Readers' Service Card

Recrystallization and Grain Growth in Metals. P. Cotterill and P. R. Mould. Halsted (Wiley), New York, 1976. vi, 410 pp., illus. \$27.50. To order this book circle No. 447 on Readers' Service Card

Renormalization Theory. Proceedings of a NATO Advanced Study Institute. Erice, Italy, Aug. 1975. G. Velo and A. S. Wightman, Eds. Reidel, Boston, 1976. viii, 482 pp. \$39.50. NATO Advanced Study Institutes Series C, vol. 23. *To order this book circle No. 500 on Readers' Service Card*

Respiration of Amphibious Vertebrates. Papers from a symposium, Bhagalpur, Bihar, India, Oct. 1974. G. M. Hughes, Ed. Academic Press, New York, 1976. xx, 402 pp., illus. \$29.75. *To order this book circle No. 448 on Readers' Service Card*

Trace Analysis. Spectroscopic Methods for Elements. J. D. Winefordner, Ed. Wiley-Interscience, New York, 1976. xii, 484 pp., illus. \$24.95. Chemical Analysis, vol. 46. To order this book circle No. 449 on Readers' Service Card

Weak and Electromagnetic Interactions at High Energies. Part A. Proceedings of a NATO Advanced Study Institute, Cargèse, France, June 1975. Maurice Lévy, Jean-Louis Basdevant, David Speiser, and Raymond Gastmans, Eds. Plenum, New York, 1976. xii, 468 pp., illus. \$39.50. NATO Advanced Study Institutes Series B, vol. 13. To order this book circle No. 450 on Readers' Service Card

13 AUGUST 1976



That's the WILD M-40, from the family of great Swiss optical instruments for geodesy, photogrammetry and microscopy. Backed by fast, full factory services.



WRITE OR CALL FOR BROCHURE M-40.

WILD HEERBRUGG INSTRUMENTS, INC. FARMINGDALE, NEW YORK 11785 • 516-293-7400 WILD OF CANADA, 881 LADY ELLEN PLACE, OTTAWA 3, CAN. WILD OF MEXICO, S. A. LONDRES 256, MEXICO 6, D. F.

Circle No. 114 on Readers' Service Card