

It will certainly guide researchers to areas where sufficient understanding is lacking and provide the overview necessary for the integration of new research findings into the broader understanding of the fungi.

R. BARRY HOLTZ
Foremost Foods Research Center,
Dublin, California

Nonhistone Proteins

Acidic Proteins of the Nucleus. IVAN L. CAMERON and JAMES R. JETER, JR., Eds. Academic Press, New York, 1974. xvi, 346 pp., illus. \$28.50. Cell Biology.

Stimulated by discoveries that histones are phylogenetically very stable proteins lacking both the specificity and the heterogeneity expected from gene regulatory macromolecules, the attention of many investigators turned to another family of nuclear proteins—the acidic proteins, or perhaps more correctly, the nonhistone protein components of chromatin and chromosomes. This poorly defined group seems to hold answers to the paramount questions of cell growth, proliferation, and differentiation. Although many of the nonhistone proteins may serve only simple functions and, like the histones, fail the crucial tests of specificity required for the sophisticated game of selective gene activation and restriction, it can be expected that at least some of the proteinaceous components of chromatin and the cell nucleus will prove to be true regulators of genetic activity. This optimistic expectation runs like the thread of Ariadne through *Acidic Proteins of the Nucleus*.

With minor exceptions, the individual chapters cover their topics clearly and comprehensively. The presentation flows logically from accounts of the methods for isolation and characterization of chromosomal nonhistone proteins through discussion of their in vivo modifications and biosynthesis to a more speculative finale concerning their roles in selective regulation of the eukaryotic genome and gene activation via hormonal interactions.

In the opening chapter, V. G. Allfrey presents a skillful discussion of the biochemical mechanisms by which individual genes may be regulated in higher organisms. He draws attention to gene regulatory proteins in prokaryotes as indicating a promising direction for research into the existence of functionally specific proteins with affinity for DNA in eukaryotic chromosomes. In the next chapter, G. L. Patel presents an extensive account of the isolation and fractionation procedures used by various investigators to

characterize nuclear proteins. A logical extension of this chapter is a detailed critique of nuclear protein extraction procedures, especially of those using buffered aqueous phenol solutions. Subsequent authors (W. M. LeSturgeon and W. Wray) present evidence that phenol extraction procedures may be no more detrimental to numerous proteins than is exposure to more conventional solvents, such as high salt and urea solutions.

The next two chapters deal with the phosphorylation of nuclear nonhistone proteins in vivo. L. J. Kleinsmith, who, with several of his colleagues at the Rockefeller University, first pointed out the importance of nuclear phosphorylation, describes the many interesting features of these macromolecules, together with the properties of the enzymes (phosphoprotein kinases) responsible for their phosphorylation in vivo. An analysis of nuclear phosphoproteins in *Physarum polycephalum* is presented by B. E. Magun.

The third group of papers deals with chromosomal nonhistone proteins during cellular growth and differentiation. Drawing on their experience with *Physarum* and other cells, W. M. LeSturgeon, R. Totten, and A. Foer describe their discovery of contractile proteins in isolated nuclei and chromatin and aptly tie this description into more general discussion of nonhistone protein changes in differentiating cells. Special advantages that polytene chromosomes offer for structural and functional studies on chromosomal proteins are reviewed in detail by H. D. Berendes and P. J. Helmsing. The last chapter in this group is an excellent discussion of nuclear nonhistone proteins during the temporal flow of the cell cycle by Jeter and Cameron, the editors of the book.

The last two articles attempt the difficult task of implicating chromosomal nonhistone proteins in specific gene regulatory functions. T. C. Spelsberg lends his expertise in steroid hormones and chromatin biochemistry to guide the reader through the difficult and sometimes controversial experiments of various investigators who have attempted to unravel the mechanisms by which steroid hormones activate the transcription of selected genes in target cells. Although definite answers are still wanting, the experiments discussed point to the chromosomal nonhistone proteins as mediators of the biological actions of steroid hormones. The book ends with a discussion of some special properties of the nonhistone proteins by R. S. Gilmour. He shows that these macromolecules are essential for the ordered expression of genes and for the transcriptional specificity of chromatin.

This is a well-written, lucid book sum-

marizing the knowledge of chromosomal nonhistone proteins up to about the end of 1972. Although *Physarum* receives perhaps more than its share of attention, other model systems are discussed, and students of the cell nucleus and its proteins will find this book a valuable if not essential addition to their libraries.

LUBOMIR S. HNILICA
Department of Biochemistry,
Vanderbilt University School of Medicine,
Nashville, Tennessee

Books Received

Algebraic Topology. Homotopy and Homology. Robert M. Switzer. Springer-Verlag, New York, 1975. xiv, 528 pp. \$52.50. Die Grundlehren der mathematischen Wissenschaften, Band 212.

Applied Superconductivity. Vol. 1. Vernon L. Newhouse, Ed. Academic Press, New York, 1975. xiv, 386 pp., illus. + index. \$41.

Banach Lattices and Positive Operators. Helmut H. Schaefer. Springer-Verlag, New York, 1974. xii, 378 pp. \$40.20. Die Grundlehren der mathematischen Wissenschaften, Band 215.

Basic Anatomy and Physiology of the Human Body. J. Robert McClintic. Wiley, New York, 1975. xviii, 574 pp., illus. + index. \$14.95.

Biochemical Problems and Calculations. Alan H. Mehler, C. F. Taketa, David M. Glick, and Robert G. Kemp. Burgess, Minneapolis, 1975. viii, 138 pp., illus. Spiral bound, \$3.75.

Biologie et Physiologie des Éléments Nerveux. P. Laget. Masson, Paris, ed. 2, 1974. viii, 180 pp., illus. Paper, 42 F. Structures et Fonctions du Système Nerveux, 1.

Broadcasting and Cable Television. Policies for Diversity and Change. Committee for Economic Development, New York, 1975. 128 pp., illus. Cloth, \$4; paper, \$2.50.

The Changing Sex Differential in Mortality. Robert D. Retherford. Greenwood, Westport, Conn., 1975. xii, 140 pp. \$11. Studies in Population and Urban Demography No. 1.

Chemical Analyses for Medical Technologists. Clive I. Wynter. Thomas, Springfield, Ill., 1975. xiv, 218 pp., illus. Cloth, \$14.75; paper, \$9.95.

Comprehensive Biochemistry. Marcel Florkin and Elmer H. Stotz, Eds. Vol. 31, A History of Biochemistry. Part 3, History of the Identification of the Sources of Free Energy in Organisms. Marcel Florkin. Elsevier, New York, 1975. xxii, 476 pp., illus. \$54.25.

Computer-Aided Experimentation. Interfacing to Minicomputers. Jules Finkel. Wiley-Interscience, New York, 1975. xx, 422 pp., illus. \$24.95.

Contemporary Business Mathematics. Ignacio Bello. Saunders, Philadelphia, 1975. xvi, 572 pp., illus. \$12.50.

The Correspondence of Marcello Malpighi. Howard B. Adelmann, Ed. Cornell University Press, Ithaca, N.Y., 1975. Five volumes. Vol. 1, 1658–1669. xxii + pp. 1–436; vol. 2, 1670–1683. xiv + pp. 437–916; vol. 3, 1684–1688. xvi + pp. 917–1420; vol. 4, 1689–1692. xvi + pp. 1421–1850; vol. 5, 1693–1694. xii + pp. 1851–2228. \$95. Cornell publications in the History of Science.

Ecology. The Link between the Natural and the Social Sciences. Eugene P. Odum. Holt, Rinehart and Winston, New York, ed. 2, 1975.

(Continued on page 660)

NEW required reading

from Waters — the Liquid
Chromatography People

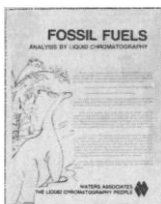
LC Components and Supplies Catalog.



16 pgs. A complete listing of components required for high performance liquid chromatography systems. Ask for DS 012.

Circle No. 654 on Readers' Service Card

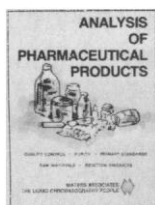
Analysis of Fossil Fuels by Liquid Chromatography.



12 pgs. Describes a variety of LC techniques used to separate and analyze fossil fuels, refined oils, and environmental pollutants. Ask for AN 154.

Circle No. 656 on Readers' Service Card

Analysis of Pharmaceutical Products.



12 pgs. A useful guide to assaying drug products faster and more economically by LC. Cough preparations, antibiotics, vitamins, tranquilizers and other product separations are described. Ask for AN 138.

Circle No. 657 on Readers' Service Card

free from



**WATERS
ASSOCIATES**

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

The Liquid Chromatography People

RESEARCH NEWS

(Continued from page 626)

tween real and randomly generated systems. He discovered that real clades of shallow water marine invertebrates that originated in the Cambrian and Ordovician periods differ from randomly generated clades. These clades fill up more quickly with species and die out more slowly than the random clades. However, during these periods, which occurred early in geological history, the earth was filling up with species. After the Ordovician, during the Silurian period, all major taxonomic groups were established and no new phyla originated. At this time, presumably, species diversity could have reached equilibrium. Gould found that the clade shapes for shallow water marine invertebrates during and after the Silurian resembled those of the randomly generated clades.

Not all investigators accept the models and conclusions drawn by Raup, Gould, Schopf, and Simberloff. Arthur Boucot of Oregon State University, for example, thinks the models are too simple. They are "clever, polished, but of limited use," he says. Randomness in evolution is not unexpected, Boucot points out. And major geological events, such as climactic changes, are correlated with major evolutionary events, such as massive species diversifications and extinctions. However, such correlations are not considered in the models that treat all species and all geological times alike.

Another criticism of the stochastic models of evolution is voiced by Karl Flessa and Jeffrey Levinton of the State University of New York at Stony Brook. These investigators used the independent statistical techniques of factor analysis and the runs test to argue that the originations of various taxa in the real world did not occur at random and that there are nonrandom patterns of taxonomic diversity in the fossil record. In other words, they believe that many of the patterns in the fossil record could not have been randomly generated. Gould and Schopf, however, are not convinced that Flessa and Levinton have demonstrated patterns above and beyond those that could be derived from random processes.

Although equilibrium models in paleobiology are still a new concept, Schopf believes that they are leading to a revitalization of that field. Investigators devoted the past century to studying the histories of individual species, but were unable to solve some major problems. Now that a new conceptual framework has been introduced, says Schopf, "it will be fun to see where things go." —GINA BARI KOLATA

BOOKS RECEIVED

(Continued from page 630)

x, 244 pp., illus. Paper, \$4.95. Modern Biology Series.

The Ecology of Small Mammals. M. J. Delany. Arnold, London, 1975 (U.S. distributor, Crane, Russak, New York). iv, 60 pp., illus. Paper, \$2.75. The Institute of Biology's Studies in Biology No. 51.

Elementary Algebra. A Worktext. Vivian Shaw Groza. Saunders, Philadelphia, 1975. xiv, 728 pp. Paper, \$10.95.

Enzymes in Food Processing. Gerald Reed, Ed. Academic Press, New York, ed. 2, 1975. xvi, 574 pp., illus. \$39.50. Food Science and Technology.

Estuarine Biology. R. S. K. Barnes. Arnold, London, 1975 (U.S. distributor, Crane, Russak, New York). iv, 76 pp., illus. Paper, \$3.25. The Institute of Biology's Studies in Biology No. 49.

Experimental Psycholinguistics. An Introduction. Sam Glucksberg and Joseph H. Danks. Erlbaum, Hillsdale, N.J., 1975 (distributor, Halsted [Wiley], New York). xiv, 234 pp., illus. \$10.

Financial Decision Making in the Process Industry. Donald R. Woods. Prentice-Hall, Englewood Cliffs, N.J., 1975. xii, 324 pp., illus. \$16.95. Prentice-Hall International Series in the Physical and Chemical Engineering Sciences.

Fundamentals of Chemistry. Frank Brescia, John Arents, Herbert Meislich, and Amos Turk. Academic Press, New York, ed. 3, 1975. xviii, 626 pp., illus. \$13.95.

The General Point Process. Applications to Structural Fatigue, Bioscience, and Medical Research. V. K. Murthy. Addison-Wesley, Reading, Mass., 1974. xx, 604 pp. Cloth, \$22.50; paper, \$12.50. Applied Mathematics and Computation, No. 5.

High-Quality Protein Maize. Proceedings of a symposium, El Batán, Mexico, Dec. 1972. Dowden, Hutchinson and Ross, Stroudsburg, Pa., 1975 (distributor, Halsted [Wiley], New York). x, 524 pp., illus. \$28.

Histological Typing of Thyroid Tumours. Chr. Hedinger in collaboration with L. H. Sobin. World Health Organization, Geneva, 1974 (distributor, Q Corp., Albany, N.Y.). 28 pp. + plates. \$12.20. International Histological Classification of Tumours, No. 11.

Human Behavior. Prediction and Control in Modern Society. Thomas G. Bever and H. S. Terrace, Eds. Warner Modular Publications, Andover, Mass., 1974 (distributor, MSS Information Corp., New York). vi, 160 pp. Paper, \$3.25.

Human Genetics. Readings on the Implications of Genetic Engineering. Thomas R. Mertens. Wiley, New York, 1975. viii, 310 pp., illus. Paper, \$5.95.

Hypoglycemia in Childhood. Evaluation of Diagnostic Procedures. Klaus A. Zuppinger. Karger, Basel, 1975. vi, 136 pp., illus. \$29.25. Monographs in Paediatrics, vol. 4.

Immunologic Fundamentals. Nancy J. Bigley. Year Book Medical Publishers, Chicago, 1975. xii, 226 pp., illus. Paper, \$9.95.

Industrial Development in a Changing World. New Techniques. Leonard C. Yaseen. Crowell, New York, 1975. xiv, 50 pp., illus. \$5.

An Introduction to Human Genetics. H. Eldon Sutton. Holt, Rinehart and Winston, New York, ed. 2, 1975. viii, 536 pp., illus. \$12.95.

Introduction to Mathematical Statistics. Leopold Schmetterer. Translated from the German edition (Vienna, 1966) by Kenneth Wickwire. Springer-Verlag, New York, 1974. viii, 504

pp. \$50.90. Die Grundlehren der mathematischen Wissenschaften, Band 202.

Investigations in Environmental Geoscience. Garry D. McKenzie, Wayne A. Pettyjohn, and Russell O. Utgard. Burgess, Minneapolis, 1975. vi, 174 pp., illus. + maps. Spiral bound, \$6.95.

Lanthanides and Actinides. K. W. Bagnall, Ed. Butterworth, London, and University Park Press, Baltimore, 1975. xii, 330 pp., illus. \$37.50. International Review of Science. Inorganic Chemistry, Series Two, vol. 7.

The Liver. Normal and Abnormal Functions. Part B. Frederick F. Becker, Ed. Dekker, New York, 1975. xx + pp. 575-1018, illus. \$37.50. The Biochemistry of Disease, vol. 5.

The Mackenzie-McNaughton Wartime Letters. Mel Thistle, Ed. University of Toronto Press, Toronto, 1975. xxiv, 178 pp. \$12.50.

Main Group Elements—Groups VI and VII. V. Gutmann, Ed. Butterworth, London, and University Park Press, Baltimore, 1975. xii, 322 pp., illus. \$37.50. International Review of Science. Inorganic Chemistry, Series Two, vol. 3.

Man and Nature. Principles of Human and Environmental Biology. John W. Kimball. Addison-Wesley, Reading, Mass., 1975. xiv, 514 pp., illus. \$11.95. Addison-Wesley Series in the Life Sciences.

Marine Environmental Implications of Off-shore Oil and Gas Development in the Baltimore Canyon Region of the Mid-Atlantic Coast. Proceedings of a conference, College Park, Md., Dec. 1974. Estuarine Research Federation, Wachapreague, Va., 1975. xviii, 504 pp., illus. Paper, \$10. Publication ERF 75-1.

The Mathematical Theory of Coding. Ian F. Blake and Ronald C. Mullin. Academic Press, New York, 1975. xii, 356 pp. \$28.

Methodological Developments in Biochemistry. Vol. 4, Subcellular Studies. Eric Reid, Ed. Longman, New York, 1974. xii, 438 pp., illus. Paper, \$15.

Molecular Biology of Eucaryotic Cells. A Problems Approach. Leroy E. Hood, John H. Wilson, and William B. Wood. Benjamin, Menlo Park, Calif., 1975. viii, 344 pp., illus. Paper, \$7.95.

Molecular Spectroscopy. Ira N. Levine. Wiley-Interscience, New York, 1975. xii, 492 pp. \$19.50.

More than Survival. Prospects for Higher Education in a Period of Uncertainty. The Carnegie Foundation for the Advancement of Teaching. Jossey-Bass, San Francisco, 1975. xvi, 166 pp., illus. Paper, \$6.95. The Carnegie Council Series.

Mössbauer Effect Data Index. Covering the 1973 Literature. John G. Stevens and Virginia E. Stevens, Eds. IFI/Plenum, New York, 1975. x, 496 pp. \$49.50.

New Horizons in Cardiovascular Practice. Proceedings of a symposium, New York, Dec. 1973. Henry I. Russek, Ed. University Park Press, Baltimore, 1975. xx, 522 pp., illus. \$34.50.

On Theories of Biological Similarity. Bruno Günther. Thieme, Leipzig, 1975. 112 pp., illus. Paper, 28 M. Fortschritte der experimentellen und theoretischen Biophysik, Band 19.

Organic Chemistry. Ronald F. Brown. Wadsworth, Belmont, Calif., 1975. xii, 1008 pp., illus., + index. \$19.95. Wadsworth Series in Chemistry.

The Other Children. An Introduction to Exceptionality. John B. Mordock. Harper and Row, New York, 1975. x, 734 pp. \$12.95.

Perception in Criminology. Richard L. Henshel and Robert A. Silverman, Eds. Columbia University Press, New York, 1975. xx, 472 pp., illus. Cloth, \$15; paper, \$6.

Perspectives on Energy. Issues, Ideas, and En-

*A pretty face
is the least of our story*



BUCHLER Fractometre® Alpha 200

Buchler's new fraction collector has much more going for it than a pretty new face. It is equipped with standard features you just can't find on other fraction collectors. The Alpha 200 is complete for time, drop and volume modes of collection. It has a 200 tube capacity, yet measures less than 1¼ sq. feet and will fit into an ordinary household refrigerator. Reliable 100% solid state circuitry, a lift-off collection platform, an electronic digital display and "LiquiFuse" — a unique overflow detection device — are some of the new features.

If we didn't think this was the best fraction collector on the market, we wouldn't have made it. We believe you'll share our enthusiasm when you learn more about the Alpha 200. Write Today!

SEARLE

Buchler Instruments

Division of Searle Analytic Inc.
1327 Sixteenth Street
Fort Lee, New Jersey 07024

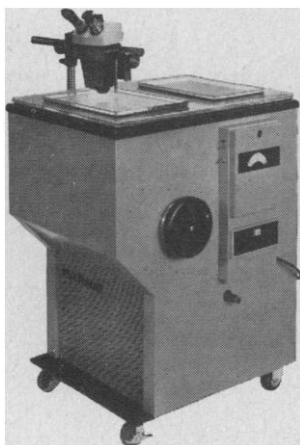
The First Wide Range Microtome-cryostat... Temperatures from -15°C to -50°C... Frozen Sections from 40 μ to 2 μ .

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

Environmental Dilemmas. Lon C. Ruedisili and Morris W. Firebaugh, Eds. Oxford University Press, New York, 1975. xii, 528 pp., illus. Cloth, \$10.95; paper, \$6.95.

Pharmacological Basis of Cancer Chemotherapy. Papers from a symposium, Houston, Feb. 1974. Published for the University of Texas System Cancer Center M.D. Anderson Hospital and Tumor Institute by Williams and Wilkins, Baltimore, 1975. xvi, 738 pp., illus. \$30.

Physics for Biology and Pre-Med Students. Leonard H. Greenberg. Saunders, Philadelphia, 1975. xiv, 622 pp., illus. \$14.95. Saunders Golden Series.

Physics for Scientists and Engineers. Vol. 1. Adrian C. Melissinos and Frederick Lobkowicz. Illustrated by Alexis Kelner. Saunders, Philadelphia, 1975. xx, 674 pp. \$13.95. Saunders Golden Series.

Physics in Biology and Medicine. Paul Davidovits. Prentice-Hall, Englewood Cliffs, N.J., 1975. xviii, 298 pp., illus. Cloth, \$9.95; paper, \$5.95. Prentice-Hall Physics Series.

Physiology of the Nervous System. An Introductory Text. Carlos Eyzaguirre and Salvatore J. Fidone. Year Book Medical Publishers, Chicago, ed. 2, 1975. xviii, 418 pp., illus. Cloth, \$19.50; paper, \$13.95. Physiology Textbook Series.

Pre- and Postsynaptic Receptors. Proceedings of a meeting, San Juan, P.R., Dec. 1974. Earl Usdin and William E. Bunney, Jr., Eds. Dekker, New York, 1975. xviii, 338 pp., illus. \$29.75. Modern Pharmacology-Toxicology, vol. 3.

Progress in Surface and Membrane Science. Vol. 9. D. A. Cadenhead, J. F. Danielli, and M. D. Rosenberg, Eds. Academic Press, New York, 1975. xii, 316 pp., illus. \$33.

Quarter Century Studies of UFOs in Florida, North Carolina and Tennessee. George D. Fawcett. Pioneer Printing Co., Mount Airy, N.C., 1975. 90 pp., illus. Paper, \$3.95.

Reaction Mechanisms in Inorganic Chemistry. M. L. Tobe, Ed. Butterworth, London, and University Park Press, Baltimore, 1974. xii, 380 pp., illus. \$37.50. MTP International Review of Science. Inorganic Chemistry, Series Two, vol. 9.

The Report of the Commission on Education for Health Administration. Vol. 1. Health Administration Press (University of Michigan), Ann Arbor, 1975. xvi, 192 pp. \$7.50.

Ribosomes. Papers from a meeting, Cold Spring Harbor, N.Y., 1973. M. Nomura, A. Tissières, and P. Lengyel, Eds. Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y., 1974. xii, 920 pp., illus. \$32. Cold Spring Harbor Monograph Series.

Royal Greenwich Observatory. An Historical Review Issued on the Occasion of Its Tercentenary. William Hunter McCrea. Her Majesty's Stationery Office, London, 1975 (U.S. distributor, Pendragon House, Palo Alto, Calif.). viii, 80 pp. + plates. Paper, \$5.

San Fernando, California, Earthquake of February 9, 1971. Vol. 3. Geological and Geophysical Studies. Leonard M. Murphy, Scientific Coordinator. National Oceanic and Atmospheric Administration, Washington, D.C., 1974 (available from the Superintendent of Documents, Washington, D.C.). vii, 432 pp., illus. + loose map. \$11.90.

Scientific Analysis on the Pocket Calculator. Jon M. Smith. Wiley-Interscience, New York, 1975. xii, 380 pp., illus. \$12.95.

Seeds of Woody Plants in the United States. C. S. Schopmeyer, Technical Coordinator. Forest Service, U.S. Department of Agriculture, Washington, D.C., 1974 (available from the Superintendent of Documents, Washington, D.C.). viii, 884 pp., illus. \$13.60. Agriculture Handbook No. 450.

Selected Papers on Language and the Brain. Norman Geschwind. Reidel, Boston, 1974. xii, 556 pp., illus. Paper, \$26. Synthese Library, vol. 68. Boston Studies in the Philosophy of Science, vol. 16.

The Shoot Apex and Leaf Growth. A Study in Quantitative Biology. R. F. Williams. Cambridge University Press, New York, 1975. viii, 256 pp., illus. \$18.95.

Sieve Methods. H. Halberstam and H.-E. Richert. Published for the London Mathematical Society by Academic Press, New York, 1974. xiv, 364 pp. \$26. L.M.S. Monographs, 4.

Sixteenth-Century Mexico. The Work of Sahagún. Munro S. Edmonson, Ed. University of New Mexico Press, Albuquerque, 1974. xvi, 292 pp. + plates. \$15. A School of American Research Book. School of American Research Advanced Seminar Series.

SL₂(R). Serge Lang. Addison-Wesley, Reading, Mass., 1975. xvi, 428 pp. \$19.50.

Snakes of the American West. Charles E. Shaw and Sheldon Campbell. Knopf, New York, 1974. xii, 332 pp., illus. \$12.50.

Social Work Research. Methods for the Helping Professions. Norman A. Polansky, Ed. University of Chicago Press, Chicago, ed. 2, 1975. x, 314 pp. \$12.75.

So Small a World. Guy Mountfort. Scribner, New York, 1975. 224 pp. + plates. \$8.95.

Sulfur Ylides. Emerging Synthetic Intermediates. Barry M. Trost and Lawrence S. Melvin, Jr. Academic Press, New York, 1975. xii, 346 pp., illus. \$39.50. Organic Chemistry, vol. 31.

Tenements of Clay. An Anthology of Medical Biographical Essays. Arnold Sorsby, Ed. Scribner, New York, 1975. 258 pp., illus. \$7.95.

Toxicological Evaluation of Some Food Additives Including Anticaking Agents, Antimicrobials, Antioxidants, Emulsifiers and Thickening Agents. World Health Organization, Geneva, 1974 (U.S. distributor, Q Corp., Albany, N.Y.). xx, 520 pp. Paper, \$10.20. WHO Food Additives Series, No. 5.

The UFO Controversy in America. David Michael Jacobs. Indiana University Press, Bloomington, 1975. xxiv, 362 pp., illus. \$12.50.

The Urban Ecosystem. A Holistic Approach. Report of the Urban Ecosystems Project of the Institute of Ecology. Forest Stearns and Tom Montag, Eds. Illustrated by Charles Holzbog. Dowden, Hutchinson and Ross, Stroudsburg, Pa., 1975 (distributor, Halsted [Wiley], New York). xvi, 218 pp. \$18. Community Development Series.

Vélocimétrie Ultrasonore Doppler. Application à l'Etude de l'Ecoulement Sanguin dans les Gros Vaisseaux. (Ultrasonic Doppler Velocimetry. Application to Blood Flow Studies in Large Vessels.) Papers from a seminar, Paris, Oct. 1974. Pierre Péronneau, Ed. INSERM, Paris, 1975. 270 pp., illus. Paper, 30 F. Les Colloques de l'Institut National de la Santé et de la Recherche Médicale, vol. 34.

Weighing Designs. For Chemistry, Medicine, Economics, Operations Research, Statistics. Kali S. Banerjee. Dekker, New York, 1975. xvi, 142 pp. \$12.75. Statistics, vol. 12.

Wilson and Wilson's Comprehensive Analytical Chemistry. Vol. 4. G. Svehla, Ed. Elsevier, New York, 1975. xviii, 374 pp., illus. \$51.95.

Writing Scientific Papers in English. An ELSE-Ciba Foundation Guide for Authors. Maeve O'Connor and F. Peter Woodford. Associated Scientific Publishers (Elsevier, Excerpta Medica, North-Holland), New York, 1975. viii, 108 pp. \$8.75.

Youth in Old Age. Alexander Leaf. Photographs by John Launois. McGraw-Hill, New York, 1975. xx, 234 pp. + plates. \$8.95.