

ogies based on ceramic cross-ties or stylistic criteria, for the Toltec capital at Tollan (modern Tula, Hidalgo) and for other sites, such as Chichen Itza in Yucatan, where Toltec influence is supposed to have prevailed sometime during the Early Postclassic. As a result of this situation, Davies is obliged to match conjectural reinterpretations of calendrical dates available in the historical sources with the still highly uncertain dates suggested by archeology. Many of his interpretations appear to be well founded, but in most instances the argument aims at persuasion rather than proof.

Insofar as the use of history to clarify developmental sequences of the type most clearly represented in the archeological record is concerned, the results are not a great deal better. The historical texts, most of which now exist only in versions composed in Aztec times (around 1300 to 1521), describe Tollan as a magnificently wealthy city that controlled a vastly powerful imperial system. Archeology indicates that it was at least a well-populated urban center (population estimates cited by Davies range up to 60,000 inhabitants), but its ceremonial center was less than imposing by Mesoamerican standards, and there is little physical evidence elsewhere to indicate whether or not territories not in the immediate vicinity were subjected to a Toltec empire. Davies suggests that Aztec historians greatly exaggerated the status of Tollan because their rulers, who claimed lineal descent from a dynasty that included the celebrated priest-ruler-god Topiltzin Quetzalcoatl ("our prince plumed serpent"), hoped to legitimize their own imperialism by right of succession to a previously established hereditary domain. Once again, the argument rests on circumstantial grounds compatible with more than one interpretation.

The most serious weakness in Davies's predominantly historiographic approach, it seems to me, is that the questions posed require definitive answers of a type that cannot now be achieved. It is impossible to quarrel with the idea that history and archeology should be combined whenever possible. *The Toltecs* at least singles out those questions concerning which further research (especially leading to refinements in archeologically based chronologies) may ultimately yield more convincing results.

EDWARD E. CALNEK
Department of Anthropology,
University of Rochester,
Rochester, New York 14627

Axonal Conduction Processes

Physiology and Pathobiology of Axons. STEPHEN G. WAXMAN, Ed. Raven, New York, 1978. xiv, 448 pp., illus. \$32.50.

Although the basic molecular details underlying the generation of nerve impulses in axons have yet to be resolved, many modern neurobiologists seem to feel that the phenomenological description of ionic conductances provided some 25 years ago by Hodgkin and Huxley is all the knowledge of axonal physiology that is necessary for the understanding of "higher functions" of the nervous system.

This volume questions this perspective by suggesting that axons, rather than being merely conduits carrying signals between distant parts of an organism, may actually play significant roles in information processing and that in pathological states many phenomena observed clinically might eventually be traced to alterations in axonal conduction processes. There is an elegant demonstration of the relationships between geometrical features of axons (including variations in their branching patterns) and transmission of nerve impulses and between postactivity threshold changes and alterations in temporal patterns at regions of low safety factor. The book not only contains ample discussion of the origin of pathological states, it also considers changes in axonal conduction under such conditions. There is extensive treatment of the immunobiology and pathophysiology of demyelination and of peripheral neuropathies, with speculation concerning a possible link to aberrations of axoplasmic transport, and the anatomy and physiology of regenerating and remyelinating axons are covered. Introductory material dealing with structural features of normal central and peripheral nervous system fibers is quite complete, including a discussion of the application of freeze-fracture techniques to the study of myelinated nerve, and provides the necessary framework within which to approach the later material. Evidence is presented for the morphological specialization of the membrane of the node of Ranvier as well as of the initial segment. Finally, there is a speculative but interesting chapter that attempts to deal with the relationship between axon and Schwann cell in myelin formation.

The only serious defect in the volume lies in its coverage of biophysical topics. Although there is an excellent treatment of the basic electrophysiology of normal nodes of Ranvier, the other chapters

concerning what have been termed "gating currents" and the use of optical probes are narrow in scope and too self-serving to be generally useful. It is probable that as a molecular scheme the Hodgkin-Huxley formulation has serious defects, and it would have been interesting to try to deal with the implications for neurobiology of recent improvements in our understanding of membrane conductance mechanisms.

Nevertheless, the book is fundamentally sound and should find a wide audience, including not only the majority of neurobiologists, but also neurologists, immunologists, and cell biologists concerned with nervous system diseases. Although the book contains 25 chapters by 34 authors, the overall integration of topics is unusually good, and with a few exceptions the chapters are well written and relatively free of bias and contain quite exhaustive references to the literature through much of 1977.

CHARLES L. SCHAUF
Departments of Physiology
and Neurological Sciences,
Rush University,
Chicago, Illinois 60612

Books Received and

Book Order Service

Books Received and the Book Order Service will be combined in issues in which there is a Readers' Service Card. To order any of the Book Order Service books, circle the corresponding number on the Readers' Service Card (pages 962A and 1050A); the participating publisher(s) will ship the title(s) ordered and send you a bill. Where no Readers' Service number is given, the publisher is not participating in the Book Order Service; send your order and check directly to the publisher.

Automatic Potentiometric Titrations. G. Svehla. Pergamon, New York, 1978. x, 220 pp., illus. \$29.50. International Series in Analytical Chemistry, vol. 60. *To order this book circle No. 390 on Readers' Service Card*

Avian Breeding Cycles. R. K. Murton and N. J. Westwood. Clarendon (Oxford University Press), New York, 1977. xiv, 594 pp., illus. + plates. \$48.

The Bases of Economic Geography. Ronald R. Boyce. Holt, Rinehart and Winston, New York, ed. 2, 1978. xiv, 434 pp., illus. \$14.95.

Basic Biogeography. Nigel Pears. Longman, New York, 1977. xii, 272 pp., illus. Cloth, \$16.50; paper, \$8.50. *To order this book circle No. 391 on Readers' Service Card*

Basic Electric Circuit Analysis. D. E. Johnson, J. L. Hilburn, and J. R. Johnson. Prentice-Hall, Englewood Cliffs, N.J., 1978. xvi, 526 pp., illus. \$19.95.

Behavioral Tolerance. Research and Treatment Implications. Papers from a meeting, Rockville, Md., June 1977. Norman A. Krasnegor, Ed. National Institute on Drug
(Continued on page 1044)

Another innovation from L/I: The REPIPET® II dispenser

Virtually unbreakable!

**Better than any \$85 plastic
dispenser! But only \$52.50!***

Here it is, the best value ever offered in reagent dispensers. The tough REPIPET II reflects more than 14 years of L/I's experience in liquid dispensing—your best assurance of quality and performance. All REPIPET II dispensers feature the use of fluorocarbon and extra-thick borosilicate glass for strength and durability. They're tough lab workhorses, virtually impossible to break.

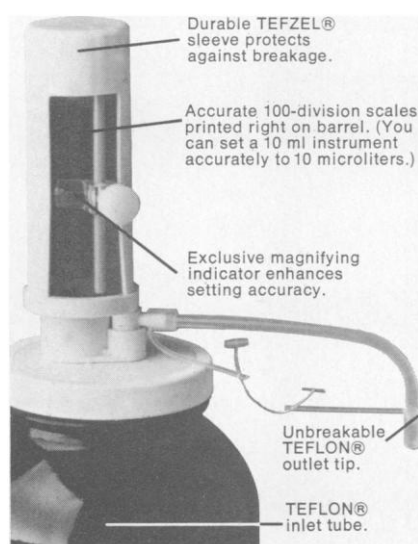
Note the 100-division scales, printed where they should be—on the glass barrel, not on an elastic plastic! L/I's exclusive sturdy magnifying indicator is a further aid to precise volume settings.

L/I guarantees accuracy of 1.5% full scale and 0.2% reproducibility for all REPIPET II dispensers. They are suitable for use with all laboratory reagents (except HF).

(Although TEFZEL® plastic and TEFLON® plastic are chemically inert to all laboratory reagents, slight distortions may occur at autoclaving temperatures and with some strong solvents.)

REPIPET II dispensers are offered in three popular sizes, 5, 10, and 20 ml. Price of 5 and 10 ml units is \$52.50; 20 ml, \$64.50.

To order, contact your distributor. For literature, write, call or circle the reader service number below.



LAB INDUSTRIES

620 Hearst Avenue, Berkeley, CA 94710
Phone (415) 843-0220

Circle No. 57 on Readers' Service Card

BOOKS RECEIVED AND

BOOK ORDER SERVICE

(Continued from page 1007)

Abuse, Rockville, Md., 1978 (available from the Superintendent of Documents, Washington, D.C.). viii, 152 pp., illus. Paper, \$2.75. NIDA Research Monograph 18.

Bibliography and Index of Experimental Range and Stopping Power Data. H. H. Andersen. Pergamon, New York, 1977. vi, 208 pp., illus. \$35. The Stopping and Ranges of Ions in Matter, vol. 2. To order this book circle No. 385 on Readers' Service Card

Biochemical Aspects of New Protein Food. Proceedings of a symposium, Copenhagen, 1977. Jens Adler-Nissen, Bjørn O. Eggum, Lars Munck, and Hans Sejr Olsen, Eds. Pergamon, New York, 1978. x, 218 pp., illus. \$29. Proceedings of the 11th FEBS Meeting, vol. 44. To order this book circle No. 392 on Readers' Service Card

Blood Smears Reinterpreted. Marcel Bessis. Translated from the French edition (1976) by George Brecher. Springer-Verlag, New York, 1977. xvi, 272 pp., illus. \$44.20. To order this book circle No. 376 on Readers' Service Card

The Borderland between Caries and Periodontal Disease. Proceedings of a conference, London, Feb. 1977. T. Lehner, Ed. Academic Press, London, and Grune and Stratton, New York, 1977. xii, 254 pp., illus. \$21.50.

Brain and Learning. Timothy Teyler, Ed. Greylock Publishers, Stamford, Conn., 1978. x, 164 pp., illus. \$9.95.

Drug Addiction. William R. Martin, Ed. Springer-Verlag, New York, 1977. Two volumes, illus. Vol. 1, Morphine, Sedative/Hypnotic and Alcohol Dependence. xxiv, 750 pp. \$103.50. Vol. 2, Amphetamine, Psychotogen, and Marijuana Dependence. xvi, 504 pp. \$87.40. Handbuch der experimentellen Pharmakologie, vol. 45. To order this book circle No. 386 on Readers' Service Card

Energy from Fossil Fuels and Geothermal Energy. N. A. Chigier, Ed. Pergamon, New York, 1978. viii, 270 pp., illus. \$50. Progress in Energy and Combustion Science, vol. 2. To order this book circle No. 377 on Readers' Service Card

Elements of Biology. Charles K. Levy. Addison-Wesley, Reading, Mass., ed. 2, 1978. xvi, 560 pp., illus. \$14.95. Addison-Wesley Series in the Life Sciences. To order this book circle No. 407 on Readers' Service Card

Energy, Resources, and Policy. Richard C. Dorf. Addison-Wesley, Reading, Mass., 1978. xviii, 486 pp., illus. \$14.95. To order this book circle No. 393 on Readers' Service Card

Functions of Alternative Terminal Oxidases. Proceedings of a colloquium, Copenhagen, 1977. Hans Degn, David Lloyd, and George C. Hill, Eds. Pergamon, New York, 1978. viii, 196 pp., illus. \$26. Proceedings of the 11th FEBS Meeting, vol. 49. To order this book circle No. 394 on Readers' Service Card

Future Perfect. American Science Fiction of the Nineteenth Century. H. Bruce Franklin. Oxford University Press, New York, ed. 2, 1978. xii, 404 pp. Cloth, \$15; paper, \$4.95.

El Ganado Caprino en México. Distribución, Utilización e Importancia Económica. Ambrosio González Cortés. Edición del Instituto Mexicano de Recursos Naturales Renovables, Mexico City, 1977. 178 pp., illus. Paper, \$7.

Gene Expression. Protein Synthesis and Control, RNA Synthesis and Control, Chromatin Structure and Function. Pro-

ceedings of a symposium, Copenhagen, 1977. Brian F. C. Clark, Hans Klenow, and Jesper Zeuthen, Eds. Pergamon, New York, 1978. x, 300 pp., illus. \$39. Proceedings of the 11th FEBS Meeting, vol. 43. To order this book circle No. 395 on Readers' Service Card

Genetic Effects on Aging. Proceedings of a conference, Bar Harbor, Me., Sept. 1976. Daniel Bergsma, David E. Harrison, and Natalie W. Paul, Eds. Liss, New York, 1978. xiv, 536 pp., illus. \$50. Birth Defects: Original Article Series, vol. 14, No. 1. To order this book circle No. 408 on Readers' Service Card

Geochemistry of Elements in the Supergene Zone. A. I. Perel'man. Translated from the Russian edition (Moscow, 1972). Israel Program for Scientific Translations, Jerusalem, 1977 (U.S. distributor, Halsted [Wiley], New York). x, 266 pp., illus. \$37.50.

Gilles de la Tourette Syndrome. Arthur K. Shapiro, Elaine S. Shapiro, Ruth D. Brunn, and Richard D. Sweet. Raven, New York, 1978. x, 438 pp. \$18.75.

Growth Factors. Cellular Growth Processes, Growth Factors, Hormonal Control of Growth. Proceedings of a colloquium, Copenhagen, 1977. Knud W. Kastrup and Jens Høiriis Nielsen, Eds. Pergamon, New York, 1978. viii, 120 pp., illus. \$16. Proceedings of the 11th FEBS Meeting, vol. 48. To order this book circle No. 396 on Readers' Service Card

Heat Pipes. P. Dunn and D. A. Reay. Pergamon, New York, ed. 2, 1978. x, 378 pp., illus. \$18. To order this book circle No. 378 on Readers' Service Card

Helium. Stopping Powers and Ranges in All Elemental Matter. J. F. Ziegler. Pergamon, New York, 1977. vi, 368 pp., illus. \$30. The Stopping and Ranges of Ions in Matter, vol. 4. To order this book circle No. 397 on Readers' Service Card

Helminths of Fish-Eating Birds of the Palearctic Region. Vol. 1, Nematoda. V. Baruš, T. P. Sergeeva, M. D. Sonin, and K. M. Ryzhidov. B. Ryšavý and K. M. Ryzhikov, Eds. Junk, The Hague, and Academia (Czechoslovak Academy of Sciences), Prague, 1978. 318 pp., illus. Dfl. 95.

Hilbert Space Methods for Partial Differential Equations. R. E. Showalter. Fearon-Pitman, Belmont, Calif., 1978. xii, 196 pp. \$25.75.

History of Behavior Modification. Experimental Foundations of Contemporary Research. Alan E. Kazdin. University Park Press, Baltimore, 1978. xii, 468 pp., illus. \$24.95.

Holographic Recording Materials. H. M. Smith, Ed. Springer-Verlag, New York, 1977. xiv, 252 pp., illus. \$34.10. Topics in Applied Physics, vol. 20. To order this book circle No. 379 on Readers' Service Card

How Energy Affects the Economy. A. Bradley Askin. Lexington (Heath), Lexington, Mass., 1978. xvi, 134 pp. \$15.50.

Human Diseases Caused by Viruses. Recent Developments. Henry Rothschild, Fred Allison, Jr., Calderon Howe, and Charles F. Chapman, Eds. Oxford University Press, New York, 1978. xiv, 362 pp., illus. \$17.95.

Human Reasoning. Papers from a symposium, 1976. Russel Revlin and Richard E. Meyer. Winston, Washington, D.C., and Halsted (Wiley), New York, 1978. xviii, 252 pp., illus. \$18.95.

Hydrogen. Stopping Powers and Ranges in All Elements. H. H. Andersen and J. F. Ziegler. Pergamon, New York, 1977. vi, 318 pp., illus. \$29.50. To order this book circle No. 398 on Readers' Service Card

THE ULTIMATE SYRINGE.

Accurate, reliable, very versatile, and easy to handle. Every part is replaceable in seconds. Avoid the high cost of stocking back-up syringes. Change barrels and needles to fit your application.

Write for literature.
Hamilton Company, Dept. A,
P.O. Box 10030, Reno,
Nevada 89510.

HAMILTON

Circle No. 54 on Readers' Service Card

Save on Calculators

TEXAS INSTRUMENTS

Model	Your Cost	Model	Your Cost
TI 25	\$ 29.95	TI 1680	27.95
SR 40	19.95	TI 1750	19.95
TI 50	29.98	TI 1790 Datachron	39.95
TI 55	43.95	TI 2010 Alarm Clock	28.95
TI 57	48.85	TI 5015	57.95
TI 58	87.95	TI 5025	78.95
TI 59	209.95	TI 5040	89.95
TI 30 SP	17.95	TI 5050M	75.95
PC 100A	146.95	TI 5100	39.95
TI 1030	15.95	Speak & Spell	48.95
Programmer	48.95	Spelling Bee	27.95
MBA	57.95	Data Man	18.95
TI 58/59 Libraries	28.95	Data Clip	27.95
Money Manager	17.95	Little Professor	12.59
Bus. Analyst	27.95		

TI Accessories at discount prices

TI watches—all models—men's and women's—\$9.95 up.

One free TI 503-1 digital watch with single purchase of \$650 from this ad.

All TI units come complete, fully guaranteed by Texas Instruments.

HEWLETT-PACKARD

Model	Your Cost	Model	Your Cost
HP 10	139.95	HP 80	235.95
HP 19C	227.95	HP 91	258.95
HP 29C	144.95	HP 92	409.95
HP 67	352.95	HP 97	584.95

HP accessories at discount prices. One year guarantee by H-P. All units come complete.

We will beat any deal. Try us at any time.

SPECIALS

Philips-Norelco #185	109.95	Pearlorder Dict.	from 129.95
Philips-Norelco #95	149.95	RCA Selectavision VBT200	749.95
Philips-Norelco RTI	189.00	Sony Betamax 8600	Call us
Philips-Norelco 88	265.00	GE 45" TV screen, great	Call us
Philips-Norelco 100-302	419.95	Sony 1979 TVs, all models	Call us
Philips-Norelco 101-303	459.95	Atari Prog. Video game	169.95
Philips-Norelco 101-304	429.95	Printing calculators	from 59.95
Craig Dict. All Models	Call us	Seiko & Citizen watches	Call us
Sanyo Dict. All Models	Call us	RCA & Zenith TVs	from 99.95

FREE one \$14.95 Prescalator coffee maker with purchase of one case of Coffee Plus (24 1-lb cans) at \$1.79 per lb. Free delivery within continental U.S.

No one can beat Olympic Sales Co. prices and fast service. Try us. Ask for our famous catalog. Prices are f.o.b. L.A. Add \$4.95 for shipping hand-held calcs. Calif. residents add 6% sales tax. Goods subject to availability. We will beat any price if competition has goods on hand.

Outside Calif. call toll-free (800) 421-8045 or (800) 421-8071. In Calif. call (213) 381-3911.



VISA and MASTERCARD cards accepted.



OLYMPIC SALES COMPANY, INC.
216 South Oxford Ave., P.O. Box 74545
Los Angeles, CA 90004 • (213) 381-3911 • Telex 67-3477

Circle No. 58 on Readers' Service Card

GUTH KOOL-GRIP™ POURING LIP FLASK

Belongs In Your Lab

• Comfortable, Heat Insulating Cork Jacket Permanently Bonded to Borosilicate Flask.

• Choice of Sizes: 500ml, 1000ml, 2000ml.

• Special Pouring Lip Design That Minimizes Dripping.



• Available From Your Leading Laboratory Supplier!

GUTH

GUTH PRODUCTS COMPANY
332 S. Center St., Hillside, IL 60162 USA
(312) 547-9050 Cable Address: "GUTHCO"

Circle No. 157 on Readers' Service Card

Lasers and Excited States of Rare Earths. Renata Reisfeld and Christian K. Jørgensen. Springer-Verlag, New York, 1977. viii, 228 pp. \$29.50. Inorganic Chemistry Concepts, vol. 1. To order this book circle No. 399 on Readers' Service Card

Laser Spectroscopy III. Proceedings of a conference, Jackson Lake Lodge, Wyo., July 1977. J. L. Hall and J. L. Carlsten, Eds. Springer-Verlag, New York, 1977. xii, 470 pp., illus. \$29.50. Springer Series in Optical Sciences, vol. 7. To order this book circle No. 380 on Readers' Service Card

Microbial Ecology of the Gut. R. T. J. Clarke and T. Bauchop, Eds. Academic Press, New York, 1977. xviii, 410 pp., illus. \$25.50.

The Molecular Basis of Cell-Cell Interaction. Proceedings of a conference, La Jolla, Calif., 1977. Richard A. Lerner, Daniel Bergsma, Natalie W. Paul, and Sylvia Z. Temchin, Eds. Liss, New York, 1978. xviii, 566 pp., illus. \$58. Birth Defects: Original Article Series, vol. 14, No. 2. To order this book circle No. 381 on Readers' Service Card

Molecular Control of Proliferation and Differentiation. Papers from a meeting, Asilomar, Calif., June 1976. John Papaconstantinou and William J. Rutter, Eds. Academic Press, New York, 1978. xiv, 264 pp., illus. \$19.50.

Mucus in Health and Disease. Proceedings of a symposium, Guildford, England, Sept. 1976. Max Elstein and Dennis V. Parke, Eds. Plenum, New York, 1977. xviii, 558 pp., illus. \$45. Advances in Experimental Medicine and Biology, vol. 89.

Mycotoxic Fungi, Mycotoxins, Mycotoxicoses. An Encyclopedic Handbook. Vol. 2, Mycotoxicoses of Domestic and Laboratory Animals, Poultry, and Aquatic Invertebrates and Vertebrates. Thomas D. Wyllie and Lawrence G. Morehouse, Eds. Dekker, New York, 1978. xxviii, 570 pp., illus. \$75.

The Mystery of the Mind. A Critical Study of Consciousness and the Human Brain. Wilder Penfield. Princeton University Press, Princeton, N.J., 1978. xxx, 124 pp., illus. Paper, \$3.45. Reprint of the 1975 edition.

National Geographic Society Research Reports. Abstracts and Reviews of Research and Exploration Authorized under Grants from the National Geographic Society during the Year 1969. Paul H. Oehser and John S. Lea, Eds. National Geographic Society, Washington, D.C., 1978. x, 658 pp., illus. \$5.

New Phenomena in Subnuclear Physics. Parts A and B. Proceedings of a school, Erice, Italy, July 1975. Antonio Zichichi, Ed. Plenum, New York, 1977. Part A, xii, 558 pp., illus. + index. \$42.50. Part B, xii + pp. 559-1244, illus. \$49.50. The Subnuclear Series, 13.

1977 Solar Energy Inventions and Design Patents. Stanley Garil. Published by the author, P.O. Box 50003, F Street Station, NW, Washington, D.C. 20004, 1977. Unpaged. Paper, \$10.

Nitrogen in the Environment. Vol. 2, Soil-Plant-Nitrogen Relationships. Papers from a conference, Lake Arrowhead, Calif., Feb. 1977. Donald R. Nielsen and J. G. MacDonald, Eds. Academic Press, New York, 1978. xiv, 528 pp., illus. \$22.50.

Non-Isothermal Reaction Analysis. E. Koch. Academic Press, New York, 1977. xx, 608 pp., illus. \$62.50.

Nuclear Reactor Shielding. Papers from a conference, Knoxville, Tenn., Apr. 1977. Robert W. Roussin, Lorraine S. Abbott, and David E. Bartine, Eds. Science Press, Princeton, N.J., 1977. xvi, 930 pp., illus. Paper, \$75.

SCIENCE, VOL. 201

Nutrition and Food Choices. Kristen W. McNutt and David R. McNutt. Science Research Associates, Chicago, 1978. x, 508 pp., illus. \$12.95.

On Mountains. John Jerome. Harcourt Brace Jovanovich, New York, 1978. xx, 262 pp., illus. \$8.95.

On the Fifth Day. Animal Rights and Human Ethics. Richard Knowles Morris and Michael W. Fox, Eds. Acropolis Books, Washington, D.C., 1978. viii, 240 pp. \$12.50.

Persons and Minds. The Prospects of Non-reductive Materialism. Joseph Margolis. Reidel, Boston, 1978. xiv, 310 pp. Cloth, \$26; paper, \$11.95. Boston Studies in the Philosophy of Science, vol. 57. Synthese Library, vol. 121.

A Perspective of Physics. Vol. 1. Selections from 1976 *Comments on Modern Physics*. Rudolf Peierls, Ed. Gordon and Breach, New York, 1977. xxxvi, 244 pp., illus. \$30. To order this book circle No. 387 on Readers' Service Card

The Philosophy of Medicine. The Early Eighteenth Century. Lester S. King. Harvard University Press, Cambridge, Mass., 1978. xii, 292 pp. \$17.50.

pH Measurements. C. Clark Westcott. Academic Press, New York, 1978. xii, 172 pp., illus. \$16.

Photoelectron Statistics. With Applications to Spectroscopy and Optical Communication. B. Saleh. Springer-Verlag, New York, 1978. xvi, 442 pp., illus. \$31.30. Springer Series in Optical Sciences, vol. 6. To order this book circle No. 382 on Readers' Service Card

Phylogenesis of Connective Tissue. Morphological Aspects and Biosynthesis of Sponge Intercellular Matrix. Robert Garrone. Karger, Basel, 1978. xii, 250 pp., illus. \$84.50. Frontiers of Matrix Biology, vol. 5.

Physical Methods in Determinative Mineralogy. J. Zussman, Ed. Academic Press, New York, ed. 2, 1977. xiv, 720 pp., illus. \$45.90.

Physical Processes in the Interstellar Medium. Lyman Spitzer, Jr. Wiley-Interscience, New York, 1978. xviii, 318 pp., illus. \$15.95.

Physics and Contemporary Needs. Vol. 1. Proceedings of a summer college, Nathiagali, Pakistan, Aug. 1976. Riazuddin, Ed. Plenum, New York, 1977. xii, 434 pp., illus. \$42.50.

Physics as a Liberal Art. James S. Trefil. Pergamon, New York, 1978. xii, 466 pp., illus. + plates. \$14.50. To order this book circle No. 388 on Readers' Service Card

Principles of Field Ionization and Field Desorption Mass Spectrometry. H. D. Beckey. Pergamon, New York, 1977. xvi, 338 pp., illus. \$35. International Series in Analytical Chemistry, vol. 61. To order this book circle No. 406 on Readers' Service Card.

A Programmed Review for Electrical Engineering. James H. Bentley and Karen M. Hess. Van Nostrand Reinhold, New York, 1978. xiv, 226 pp., illus. \$14.50. To order this book circle No. 383 on Readers' Service Card

Prospects for Growth. Changing Expectations for the Future. Kenneth D. Wilson, Ed. Praeger, New York, 1977. xiv, 350 pp. Cloth, \$16.50; paper, \$6.95. Praeger Special Studies in U.S. Economic, Social, and Political Issues.

Protides of the Biological Fluids. Proceedings of a colloquium, Brugge, Belgium, 1977. H. Peeters, Ed. Pergamon, New York, 1978. xxiv, 940 pp., illus. \$75. Proteins and Related Subjects, vol. 25. To order this book circle No. 384 on Readers' Service Card

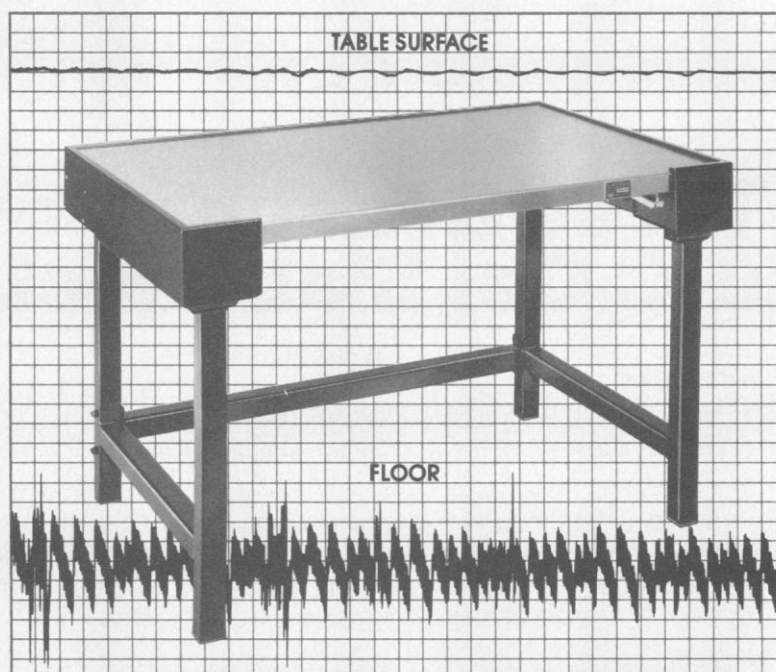
The Psychology of Cognition. Gillian Cohen. Academic Press, New York, 1977. x, 242 pp., illus. \$15.65.

Vibration protection for sensitive instruments! MICRO-gTM Tables and Bench Top Units.

Low cost MICRO-g air-isolation systems can reduce building vibration at least 95 to 98%. Even low frequency (7-25 Hz) vibrations that conventional static systems can't handle. The self-leveling top surface is supported on ultra-sensitive air-pistons that adjust automatically to changing loads. Performance is guaranteed.

Standard MICRO-g Tables and Bench Top units cost approximately \$1000 and will support equipment loads of over 900-lbs. All that is needed for operation is a compressed air supply or bottled air or gas.

If you're using microscopes, microtomes, interferometers, mask alignment tools or other ultra-sensitive equipment you need to know about MICRO-g systems. There are six standard configurations in a wide range of sizes. Special configurations are readily available. Write for a catalog and price list today.



SEND FOR CATALOG

ble

BACKER-LORING CORPORATION

65 Walnut Street, Peabody, Mass. 01960 • 617-531-3600

BL-1

Psychopharmacology of Aggression. L. Valzelli, Ed. Karger, Basel, 1978. viii, 180 pp. \$42.50. Modern Problems of Pharmacopsychiatry, vol. 13.

Psychopolitics. Milton Greenblatt. Grune and Stratton, New York, 1978. xx, 278 pp. \$18.50.

Putnam's Geology. Peter W. Birkeland and Edwin E. Larson. Oxford University Press, New York, ed. 3, 1978. x, 660 pp., illus. + plates. \$16.

Quinolines. Part 1. Gurnos Jones, Ed. Interscience (Wiley), New York, 1978. x, 898 pp., illus. \$100. The Chemistry of Heterocyclic Compounds, vol. 32.

Reflection Seismology. A Tool for Energy Resource Exploration. Kenneth H. Waters. Wiley-Interscience, New York, 1978. xvi, 378 pp., illus. \$28.

Regulation of Fatty Acid and Glycerolipid Metabolism. Proceedings of a symposium, Copenhagen, 1977. Raymond Dils and Jens Knudsen, Eds. Pergamon, New York, 1978. viii, 120 pp., illus. \$16. Proceedings of 11th FEBS Meeting, vol. 46. *To order this book circle No. 400 on Readers' Service Card*

Regulatory Mechanisms of Carbohydrate Metabolism. Proceedings of a symposium, Copenhagen, 1977. Viggo Esmann, Ed. Pergamon, New York, 1978. x, 360 pp., illus. \$43. Proceedings of the 11th FEBS Meeting, vol. 42. *To order this book circle No. 401 on Readers' Service Card*

Regulatory Proteolytic Enzymes and Their Inhibitors. Proceedings of a symposium, Copenhagen, 1977. Staffan Magnusson, Martin Ottesen, Bent Foltmann, Keld Danø, and Hans Neurath, Eds. Pergamon, New York, 1978. viii, 236 pp., illus. \$30. Proceedings of the 11th FEBS Meeting, vol. 47. *To order this book circle No. 402 on Readers' Service Card*

Structural Pattern Recognition. T. Pavlidis. Springer-Verlag, New York, 1977. xii, 304 pp., illus. \$19.80. Springer Series in Electrophysics, vol. 1. *To order this book circle No. 403 on Readers' Service Card*

Studies in Automatic Programming Logic. Zohar Manna and Richard Waldinger with contributions by Shmuel Katz and Karl Levitt. North-Holland, Amsterdam, 1977 (U.S. distributor, Elsevier, New York). viii, 192 pp., illus. \$15.95. Artificial Intelligence Series. The Computer Science Library.

Sun/Earth. How to Use Solar and Climatic Energies. Richard L. Crowther. Scribner, New York, 1978. viii, 232 pp., illus. Paper, \$8.95.

Systems Engineering for Power. Program Report, January 1978. U.S. Department of Energy, Washington, D.C., 1978 (available from National Technical Information Service, Springfield, Va.). vi, 200 pp. Paper, \$9.25; microfiche, \$3.

Technical Data on Fuel. J. W. Rose and J. R. Cooper, Eds. Halsted (Wiley), New York, ed. 7, 1977. xii, 344 pp., illus. \$70.

A Technology Assessment of Coal Slurry Pipelines. Office of Technology Assessment, Washington, D.C., 1978 (available from the Superintendent of Documents, Washington, D.C.). xvi, 156 pp., illus. Paper, \$3.25.

Die Tenebrioniden des papuanischen Gebietes. I. Strongyliini (Coleoptera: Tenebrionidae). Z. Kaszab. Department of Entomology, Bishop Museum, Honolulu, 1977. 220 pp., illus. Paper, \$10.50. Pacific Insects Monograph 33.

Textbook of Veterinary Parasitology. Norman D. Levine. Burgess, Minneapolis, 1978. xii, 236 pp., illus. \$34.95.

The Tides of the Planet Earth. Paul Mel-

chior. Pergamon, New York, 1978. xii, 610 pp., illus. \$75. *To order this book circle No. 404 on Readers' Service Card*

Time Bomb. LNG: The Truth about Our Newest and Most Dangerous Energy Source. Peter van der Linde with Naomi A. Hintze. Doubleday, Garden City, New York, 1978. vi, 184 pp. \$6.95.

Tomol. Chumash Watercraft as Described in the Ethnographic Notes of John P. Harrington. Travis Hudson, Janice Timbrook, and Melissa Rempe, Eds. Art work by Jane Jolley Howorth. Ballena Press, Socorro, N.M., and Santa Barbara Museum of Natural History, Santa Barbara, Calif., 1978. 198 pp., illus. Paper, \$8.95. Ballena Press Anthropological Papers No. 9.

Toward a Metric of Science. The Advent of Science Indicators. Papers from a conference, Stanford, Calif., June 1974. Yehuda Elkana, Joshua Lederberg, Robert K. Merton, Arnold Thackray, and Harriet Zuckerman, Eds. Wiley-Interscience, New York, 1978. xiv, 354 pp. \$19.95. Science, Culture, and Society.

Trace Metals in the Environment. Ivan C. Smith and Bonnie L. Carson. Ann Arbor Science, Ann Arbor, Mich., 1978. Vol. 1, Thallium. xii, 394 pp. \$24. Vol. 2, Silver. xxvi, 470 pp. \$24. Vol. 3, Zirconium. xviii, 406 pp. \$24. Vol. 4, Palladium and Osmium. Ivan C. Smith, Bonnie L. Carson, and Thomas L. Ferguson. x, 194 pp. \$24.

Transactions of the Seventh Prague Conference on Information Theory, Statistical Decision Functions, Random Processes and of the 1974 European Meeting of Statisticians. Vol. A. Prague, Aug. 1974. Reidel, Boston, 1977. 602 pp. \$52.

Transient Techniques in Electrochemistry. Digby A. Macdonald. Plenum, New York, 1977. xii, 330 pp., illus. \$37.50.

The Twenty-Ninth Day. Accommodating Human Needs and Numbers to the Earth's Resources. Lester R. Brown. Norton, New York, 1978. xvi, 364 pp., illus. Cloth, \$11.95; paper, \$3.95. A Worldwatch Institute Book.

Ulcerative Colitis and Crohn's Disease and Other Diseases of the Alimentary System in Childhood. Papers from a symposium, Obergurgl, Austria, Jan. 1976. P. P. Rickham, W. Ch. Hecker, and J. Prévot, Eds. Urban & Schwarzenberg, Baltimore, 1978. vi, 242 pp., illus. \$24.50. Progress in Pediatric Surgery, vol. 11.

Understanding Chemical Patents. A Guide for the Inventor. John T. Maynard. American Chemical Society, Washington, D.C., 1978. 146 pp. \$12.50. *To order this book circle No. 405 on Readers' Service Card*

The Visual System in Vertebrates. Frederick Crescitelli, Ed. Springer-Verlag, New York, 1977. xii, 816 pp., illus. \$16.40. Handbook of Sensory Physiology, Vol. 7/5. *To order this book circle No. 389 on Readers' Service Card*

Weeding and Sowing. Preface to a Science of Mathematical Education. Hans Freudenthal. Reidel, Boston, 1978. x, 314 pp. \$34.

Wernher von Braun. Erik Bergaust. National Space Institute, Washington, D.C., 1978 (distributor, Stackpole Books, Harrisburg, Pa.). xviii, 590 pp., illus. \$13.95.

World Minorities. Vol. 1. Georgina Ashworth, Ed. Quartermaine House, Sunbury, England, 1977 (U.S. distributor, Transatlantic Arts, Levittown, N.Y.). xxii, 168 pp. Paper, \$7.50.

Your Option. How to Successfully Develop Put and Call Strategies. Keith H. Kretschmer and William E. Grieb, Jr. Bask Publishing Co., Pacific Palisades, Calif., 1978. vi, 154 pp., illus. \$14.95.

New procedure for proteolytic enzyme activity determinations

METHEMO- GLOBIN 14C

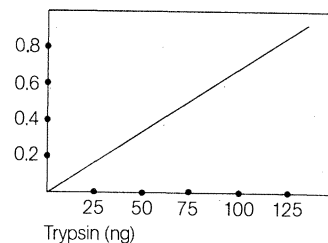
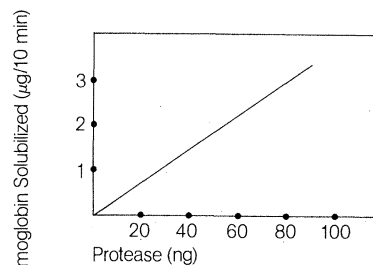
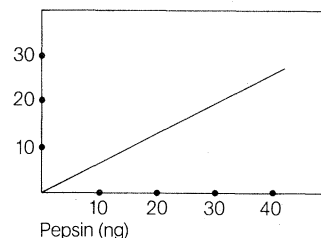
Let us send you the procedure we have developed for determining proteolytic enzyme activity using a modification of the procedure of Anson (cf. Anson, M.L., J. Gen. Physiol. **22**, 79 (1938)).

Methemoglobin, methylated,

[methyl-¹⁴C]- 5-30 μCi/mg

Aqueous solution in siliconized vial, dry ice.

NEC-728 1 μCi 5 μCi



NEN New England Nuclear
549 Albany Street, Boston, Mass. 02118
Call toll-free: 800-225-1572
(In Massachusetts and International:
617-482-9595)

NEN Chemicals GmbH: D-6072 Dreieich, W. Germany,
Daimlerstrasse 23, Postfach 401240,
Telephone: (06103) 85034, Telex: 4-17993 NEN D

NEN Canada Ltd., 2453 46th Avenue,
Lachine, Que. H8T 3C9,
Telephone: 514-636-4971, Telex: 05-821808

Circle No. 88 on Readers' Service Card