

material flows and social relations is reciprocal. A specific social relation may constrain a given movement of goods, but a specific transaction . . . suggests a particular social relation [pp. 186-87]

so that "if friends make gifts, gifts make friends." The first and second rules are then applied to an analysis of forms of reciprocity from "general" ("putatively altruistic," p. 193) through "balanced" ("striking of equivalence," p. 220) to "negative" ("something for nothing with impunity," p. 195). Generalized reciprocity sustains the interdependence of the group (whether domestic or political) by laying a diffuse obligation on recipients (p. 194). It also serves "as a starting mechanism of rank distinction and . . . as a mediator of relations between persons of different communities" (p. 219).

Balanced reciprocity, which might strike us as being identical with market exchange, is seen rather as "the classic vehicle of peace and alliance contracts, substance-as-symbol of the transformation from separate to harmonious interests" (p. 220). The equivalence, while often (not always) having utilitarian consequences, is more important as a renunciation of self-interest and hostility between groups otherwise subject to no higher authority.

From this interpretation of reciprocal exchange there follows a schema to account for the short-run stability of rates of exchange between goods in balanced reciprocity and the longer-run variability in these rates (in response to what Sahlins calls "supply and demand"). It is not competition among bidders for the increasingly scarce good (or better offers by suppliers of the increasingly plentiful good) that is the market mechanism that changes prices but the need in intergroup transactions to be generous to avoid "a translation from trading goods to trading blows" (p. 302); and such untoward events, argues Sahlins, are likely to occur if one of the trading partners comes to feel that the other is putting considerably less effort into providing gifts than he himself is. Generosity—which is to say, fear of the consequences of perceived stinginess—creates "equilibrium" without the competition of alternative sources of supply and without alternative outlets for the supplier.

The entire argument is buttressed (not, as Sahlins recognizes, proven) by evidence from a wide variety of cultures, and the evidence is in turn

explained by his rules, postulates, and corollaries.

Sahlins's book is in spirit (and substance) representative of the substantialist as opposed to the formalist school in economic anthropology. (The formalists hold that economic theory provides good explanations of economic activity everywhere, the substantialists that one should tell it like it is—but then this reviewer is a substantialist.) Sahlins's ingenious schema "equating supply and demand" does not constitute evidence that production in Stone Age economies responds to relative costs and productivities of inputs. In economic theory the "laws of supply and demand" are rubrics for feedback mechanisms which lead to a general equilibrium of all prices and quantities, of all inputs as well as all outputs. As Sahlins uses "supply"—and as do many anthropologists—the term refers to some quantity which happens to be around. It does not, as it does in economic theory, refer to the processes of costing and choosing alternative outputs by which the quantity around is determined, but appears to be independent of price.

Sahlins's phrasings and references may arouse the ire of, or at least put off, non-Marxist readers, and this would be unfortunate. His Marxism appears to be totally unnecessary to his argument: I have, I think correctly, summarized his argument without his Marxism ("superstructures" in the passage quoted above could as easily have been "structures," "institutions," or even "substructures"). The book provides numerous similar phrasings and several extended references to Marx, all of which appear to be deletable without loss. (Why are citations of Marx, or Marshall, necessary to social sciences? *Science* publishes reports on moon rocks and Mars pictures without mentioning Brahe or Kepler.)

Actually, Sahlins's arguments are not Marxist but 20th-century and operational. For instance, he has an appealingly straightforward interpretation of the much disputed *hau* (Ranapiri) passage in Mauss's *The Gift*. In the passage A gives B a gift, B gives that gift to C, C gives a reciprocal gift to B, and B feels obligated to give that reciprocal gift to A because it is the *hau* of A's original gift. Sahlins argues that the *hau* of an article (or jungle) in Maori-land is neither "unconscious necessity" (Lévi-Strauss) nor magic (Johansen) but simply "return on," "product of," or even, one could add, "consequence

of" (pp. 149-62). It is curious that Sahlins goes on to say that when Mauss asks "What is there in the thing that makes the beneficiary reciprocate?" and Marx asks "What is in these things [a quarter of corn and X hundredweight of iron], so obviously different, that yet is equal?" the two "share the supreme merit . . . of taking exchange as it is historically presented" (pp. 180-81). Sahlins's interpretation is certainly taking exchange as it is historically presented, but Mauss's and Marx's concepts of something "in the things" are unhistorical and metaphysical.

Last, one notes the absence of any mention of Pearson's "The Economy Has No Surplus" (in K. Polanyi, C. M. Arensberg, and H. W. Pearson, Eds., *Trade and Market in the Early Empires*, Free Press, 1957), which presented Sahlins's first rule about "economic intensification" in a book which Sahlins cites elsewhere. Why? Because Pearson's phrasing of the same point was anti-Marxist?

No matter, *Stone Age Economics*, while not a survey of the economic anthropology, is as of now the most sophisticated, extensive presentation of, and argument in and about, the field.

WALTER C. NEALE

Department of Economics,  
University of Tennessee, Knoxville

## Books Received

**The Academic Department or Division Chairman. A Complex Role.** James Brann and Thomas A. Emmet, Eds. Balamp, Detroit, Mich., 1972. vi, 300 pp. \$6.95.

**Advances in Aerosol Physics.** No. 2. V. A. Fedoseev, Ed. Translated from the Russian edition (Kiev, 1970). Israel Program for Scientific Translations, Jerusalem; Wiley, New York, 1972. viii, 172 pp., illus. \$15.

**Advances in Applied Mechanics.** Vol. 12. Chia-Shun Yih, Ed. Academic Press, New York, 1972. x, 250 pp., illus. \$16.

**Advances in Electronics and Electron Physics.** Vol. 31. L. Marton and Claire Marton, Eds. Academic Press, New York, 1972. x, 316 pp., illus. \$19.50.

**Advances in Linear Free Energy Relationships.** N. B. Chapman and J. Shorter, Eds. Plenum, New York, 1972. xiv, 486 pp., illus. \$28.

**Advances in Pharmacology and Chemotherapy.** Vol. 10. Silvio Garattini, A. Goldin, F. Hawking, I. J. Kopin, and R. J. Schnitzer, Eds. Academic Press, New York, 1972. x, 432 pp., illus. \$24.

**Air Pollution.** W. L. Faith and Arthur A. Atkisson, Jr. Wiley-Interscience, New York, ed. 2, 1972. x, 394 pp., illus. \$19.50.

**Amphibians and Reptiles of California.**

(Continued on page 408)

# The Brinkmann Gel Column

## Slicing It Pretty Thin

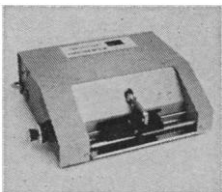
It's a safe bet you won't find one in every household. Or in every laboratory. But if you're moving in the sort of specialized area of electrophoretic analysis of RNA, for example, and you have to serve up slices of polyacrylamide gels, a lot of laboratory types think the MICKLE GEL SLICER is the best thing since delicatessens.

It figures.

How else can you cut a frozen gel column up to 10 cm long and 1 cm thick into flawless slices of less than 1.0 mm, in increments of 0.1 mm, and leave the rest of the column undisturbed?

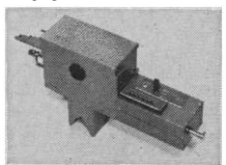
Cutting force and blade angle are adjustable for hard-frozen dilute gels, or softer, concentrated cylinders. Slices are easily collected for processing and scintillation counting.

Twenty cuts per minute. Foot switch leaves hands free. Electromagnetic counter keeps score on slices. Write for complete details.



## How To Look Good, Fast.

Costs being what they are today, the guy (or gal) who can save a few dollars gets the hero medal. Here's a way to look good while you're looking good and fast (while you're rapidly scanning polyacrylamide gel columns optically, that is).



Be the first to recommend purchase of the VICON LINEAR GEL SCANNER—the attachment that fits right into your Zeiss PMQ II Spec. cell compartment without modification (and avoids costly instrument duplication).

It scans at 6 mm/min—even faster (25 mm/min) for coarser separations—in either direction. Resolution? Slit aperture is 100  $\mu$  thin to catch those narrow bands. Columns to 10 x 100 mm can be handled. Wavelength is variable from 200 to 750 m $\mu$ . And there are a host of options available to meet your specific needs. Want to scan fast? Want to look good? Get the details. Write:



Dept. B.G.C.  
Brinkmann Instruments, Inc.  
Cantiague Road,  
Westbury, N.Y. 11590  
(516/334-7500)

Brinkmann Instruments  
(Canada), Ltd.  
50 Galaxy Boulevard,  
Rexdale (Toronto), Ontario

Circle No. 81 on Readers' Service Card

## BOOKS RECEIVED

(Continued from page 373)

Robert C. Stebbins. University of California Press, Berkeley, 1972. 152 pp. + plates. Paper, \$2.75. California Natural History Guides, 31.

**Aspects of Quantum Theory.** Abdus Salam and E. P. Wigner, Eds. Cambridge University Press, New York, 1972. xvi, 268 pp., illus. \$23.50.

**Atlas of the Vertebrate Brain.** Morphological Evolution from Cyclostomes to Mammals. Shiro Igarashi and Toshiro Kamiya. University Park Press, Baltimore, 1972. vi, 126 pp. \$29.50.

**Attorney General's First Annual Report.** Federal Law Enforcement and Criminal Justice Assistance Activities. Superintendent of Documents, Washington, D.C., 1972. xvi, 542 pp., illus. Paper, \$5.

**Basic Neurochemistry.** R. Wayne Albers, George J. Siegel, Robert Katzman, and Bernard W. Agranoff, Eds. Little, Brown, Boston, 1972. xx, 692 pp., illus. Paper, \$12.50.

**Black English.** Its History and Usage in the United States. J. L. Dillard. Random House, New York, 1972. xvi, 362 pp. \$10.

**A Book of Insects.** Charles Paul May. Illustrated by John Crosby. St. Martin, New York; Macmillan of Canada, Toronto, 1972. 120 pp. \$4.95.

**Carbonium Ions.** Vol. 3, Major Types (continued). George A. Olah and Paul von R. Schleyer, Eds. Wiley-Interscience, New York, 1972. xii pp. + pp. 965-1500, illus. \$29.95. Reactive Intermediates in Organic Chemistry.

**Characterizations of C(X) among Its Subalgebras.** R. B. Burckel. Dekker, New York, 1972. x, 160 pp. Paper, \$9.25. Lecture Notes in Pure and Applied Mathematics.

**Chimpanzee.** Immunological Specificities of Blood. Clyde Kratochvil, Ed. Karger, Basel, 1972 (U.S. distributor, Phiebig, White Plains, N.Y.). vi, 146 pp., illus. \$16.55. Primates in Medicine, vol. 6.

**City of the Stargazers.** Kenneth Heuer. Scribner, New York, 1972. 170 pp., illus. \$7.95.

**Classified Library of Congress Subject Headings.** Vol. 1, Classified List. James G. Williams, Martha L. Manheimer, and Jay E. Daily, Eds. Dekker, New York, 1972. viii, 250 pp. \$25. Books in Library and Information Science.

**Communication and Affect.** A Comparative Approach. A symposium, Clarkson, Canada. Thomas Alloway, Lester Krames, and Patricia Pliner, Eds. Academic Press, New York, 1972. xiv, 156 pp., illus. \$9.95.

**Comprehensive Chemical Kinetics.** Vol. 10, Ester Formation and Hydrolysis and Related Reactions. C. H. Bamford and C. F. H. Tipper, Eds. Elsevier, New York, 1972. x, 310 pp., illus. \$32.

**Condensation Monomers.** John K. Stille and Tod W. Campbell, Eds. Wiley-Interscience, New York, 1972. xiv, 746 pp., illus. \$42.50. High Polymers, vol. 27.

**Contemporary Archaeology.** A Guide to Theory and Contributions. Mark P. Leone, Ed. Southern Illinois University Press, Carbondale; Feffer and Simons, London, 1972. xvi, 460 pp., illus. Cloth, \$15; paper, \$8.95.

**Differential Diagnosis in Clinical Psy-**

**chiatry.** The Lectures of Paul H. Hoch. Margaret O. Strahl and Nolan D. C. Lewis, Eds. Science House, New York, 1972. 818 pp. \$20.

**The Emotional Stress of War, Violence, and Peace.** Rolland S. Parker, Ed. Stanwix House, Pittsburgh, 1972. xx, 292 pp. \$9.

**The Enzymes.** Vol. 7, Elimination and Addition, Aldol Cleavage and Condensation, Other C—C Cleavage, Phosphorolysis, Hydrolysis (Fats, Glycosides). Paul D. Boyer, Ed. Academic Press, New York, ed. 3, 1972. xxiv, 960 pp., illus. \$39.

**Ernst Mach.** His Work, Life, and Influence. John T. Blackmore. University of California Press, Berkeley, 1972. xx, 414 pp., illus. \$16.95.

**Essentials of Earth History.** An Introduction to Historical Geology. William Lee Stokes. Prentice-Hall, Englewood Cliffs, N.J., ed. 3, 1973. xii, 532 pp., illus. \$12.95.

**Experimental Models of Epilepsy.** A Manual for the Laboratory Worker. Dominick P. Purpura, J. Kiffin Penry, Donald B. Tower, Dixon M. Woodbury, and Richard D. Walter, Eds. Raven, New York, 1972. 616 pp., illus. \$21.50.

**Foundations of Mathematical Biology.** Vol. 1, Subcellular Systems. Robert Rosen, Ed. Academic Press, New York, 1972. xxviii, 288 pp., illus. \$15.

**Fourier Analysis in Probability Theory.** Tatsuo Kawata. Academic Press, New York, 1972. xii, 668 pp. \$32. Probability and Mathematical Statistics, 15.

**Fundamentals of Plant Pathology.** Daniel A. Roberts and Carl W. Boothroyd. Freeman, San Francisco, 1972. xii, 402 pp., illus. \$15.

**Fundamentals of the Chemistry and Application of Dyes.** P. Rys and H. Zollinger. Wiley-Interscience, New York, 1972. x, 196 pp., illus. \$14.95.

**A General Theory of Magic.** Marcel Mauss. Translated from the French edition (Paris, 1950) by Robert Brain. Routledge and Kegan Paul, Boston, 1972. vi, 148 pp. \$7.50.

**The Genetic, Metabolic and Developmental Aspects of Mental Retardation.** A seminar, Washington, D.C., 1969. Robert F. Murray, Jr., and Pearl Lockhart Rosser, Eds. Thomas, Springfield, Ill., 1972. xxii, 344 pp., illus. \$16.75.

**The Geology of Donegal.** A Study of Granite Emplacement and Unroofing. Wallace S. Pitcher and Antony R. Berger. Wiley-Interscience, New York, 1972. xii, 436 pp., illus. \$39.95. Regional Geology Series.

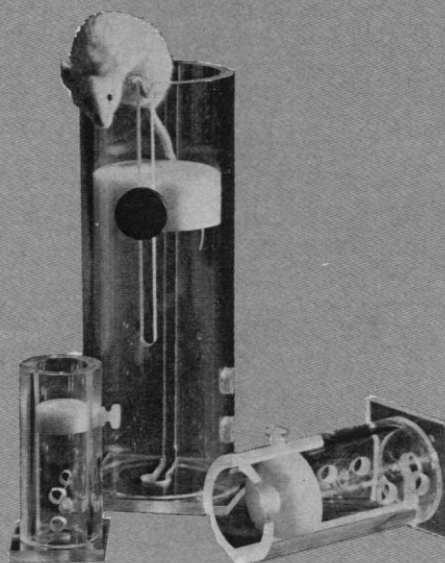
**Geomagnetism in Marine Geology.** Victor Vacquier. Elsevier, New York, 1972. viii, 186 pp., illus. \$14.75. Elsevier Oceanography Series, 6.

**Geoscience and Man.** Vol. 4. Proceedings of a meeting, Toronto, Oct. 1970. Richard W. Hedlund, Ed. Louisiana State University School of Geoscience, Baton Rouge, 1972. viii, 142 pp., illus. Paper, \$7.50.

**Grain Boundaries and Interfaces.** Proceedings of a conference, Yorktown Heights, N.Y., Aug. 1971. P. Chaudhari and J. W. Matthews, Eds. North-Holland, Amsterdam, 1972. x, 622 pp., illus. \$43.75.

**A Guide-Book to Mathematics.** I. N. Bronshtein and K. A. Semendyayev. Translated from the Russian edition by Jan

# A BETTER MOUSETRAP?



## PLAS■LABS® Broome Style Rodent Restrainers

Someone has at last developed a solution to the consistent problem of restraining small laboratory rodents effectively. The Plas-Labs Broome Style Rodent Restraint is the first significant design development in this field in the last decade. The cylindrical design of the restrainer completely solves the problem of rodents turning around or reversing themselves once they are introduced into the restrainer. This new restrainer is perfect for injections or blood sampling. Three sizes are available for rodents ranging from 25 grams to 600 grams.

From Plas-Labs, a growing company of innovative people to meet your needs in animal restraint systems and specialized plastic research equipment. For a copy of our catalog, write or call Plas-Labs, 917 Chilson, Lansing, Michigan 48906. Phone (517) 372-7177.

**PLAS■LABS®**

Circle No. 85 on Readers' Service Card

Jaworowski and Michael N. Bleicher. Deutsch, Frankfurt/Main, Germany, 1971 (U.S. distributor, Springer-Verlag, New York). 784 pp., illus. \$8.80.

**Guidelines for Family Care Home Operators.** Paul J. Schrader and Roslyn R. Elms. Springer, New York, 1972. 158 pp. Paper, \$4.25.

**Habitat and Technology.** The Evolution of Hunting. Wendell H. Oswalt. Holt, Rinehart and Winston, New York, 1973. xvi, 192 pp., illus. \$7.

**Heat and Concentration Waves.** Analysis and Applications. G. Alan Turner. Academic Press, New York, 1972. xxviii, 234 pp., illus. \$16.50.

**Hewitson on Butterflies 1867-1877.** Classey, Hampton, England, 1972 (U.S. distributor, Entomological Reprint Specialists, Los Angeles). Variously pagged. \$12.50.

**Humic Substances in the Environment.** M. Schnitzer and S. U. Khan. Dekker, New York, 1972. x, 328 pp., illus. \$19.50. Books in Soils and the Environment.

**Hybridization of Somatic Cells.** Boris Ephrussi. Princeton University Press, Princeton, N.J., 1972. xii, 176 pp., illus. Cloth, \$9.50; paper, \$4.95.

**Impact of Insulin on Metabolic Pathways.** A symposium, Jerusalem, Oct. 1971. Eleazar Shafir, Ed. Academic Press, New York, 1972. viii, 570 pp., illus. \$13.50.

**Improvement of Livestock Production in Warm Climates.** R. E. McDowell. Freeman, San Francisco, 1972. xii, 712 pp., illus. \$19.50. A Series of Books in Agricultural Science.

**Information Theory and the Living System.** Lila L. Gatlin. Columbia University Press, New York, 1972. xii, 210 pp., illus. \$10.

**An Introduction to Air Chemistry.** Samuel S. Butcher and Robert J. Charlson. Academic Press, New York, 1972. xiv, 242 pp., illus. \$10.95.

**The Jivaro.** People of the Sacred Waterfalls. Michael J. Harner. Published for the American Museum of Natural History by Doubleday, Garden City, N.Y., 1972. vi, 234 pp. + plates. \$7.95.

**The Life of Sharks.** Paul Budker. English version by Peter J. Whitehead. Columbia University Press, New York, 1972. xviii, 222 pp., illus. Paper, \$3.95. Reprint of the 1971 edition.

**Magic without Magic.** John Archibald Wheeler. A Collection of Essays in Honor of his Sixtieth Birthday. John R. Klauder, Ed. Freeman, San Francisco, 1972. xiv, 492 pp., illus. \$19.50.

**Magnetic Properties of Rare Earth Metals.** R. J. Elliott, Ed. Plenum, New York, 1972. x, 426 pp., illus. \$28.

**Marine Mammals of California.** Robert T. Orr. University of California Press, Berkeley, 1972. 64 pp. + plates. Paper, \$1.95. California Natural History Guides, 29.

**Market Structure and Performance.** The U.S. Food Processing Industries. Blake Imel, Michael R. Behr, and Peter G. Helmberger. Lexington (Heath), Lexington, Mass., 1972. xvi, 116 pp., illus. \$10.

**Mechanical Face Seal Handbook.** John C. Dahlheimer. Chilton, Philadelphia, 1972. xiv, 190 pp., illus. \$9.50.

**Methodology of Immunochemical and Immunological Research.** J. B. G. Kwapin-

## Science Bibliographies

### AAAS Science Book List for Children (Third Edition)

A selected and annotated list of over 1500 science and mathematics books for children in elementary schools, and for children's collections in school, private and public libraries. L.C. 75-169601. ISBN 0-87168-202-8.

Compiled by Hilary J. Deason. Price **\$8.95**. Member price when payment is sent with order: **\$7.95**.

### AAAS Science Book List (Third Edition)

An updated and expanded edition of the AAAS Science Book List for Young Adults (1964). Includes citations and annotations of 2441 titles of trade books, textbooks and references in the pure and applied science and mathematics for secondary school students, college undergraduates, teachers and non-specialist readers. L.C. 74-105531. ISBN 0-87168-201-X.

Compiled by Hilary J. Deason. 454 pages. Price: **\$10**. When payment is sent with order: **\$9**.

### Science Books—A Quarterly Review

Since 1965, the AAAS has published this invaluable aid to science education and library acquisition. Science Books: A Quarterly Review is the only publication devoted to the critical review of books in the sciences and mathematics at all educational levels—kindergarten through college—and for the nonspecialist adult reader.

Published March, May, September and December. Price: **\$10** per year.

### Science for Society: A Bibliography

This 103-page collection, containing nearly 4,000 references, is a comprehensive and up-to-date reference work on books, journals, articles and other literature concerned with issues of science and society. The bibliography is primarily designed for use in physical science and social studies courses in high schools and colleges. It is useful to both scientists and laymen concerned with this subject. Prepared by Howard T. Bausum.

The bibliography is priced at **\$1.00** per copy, or **75¢** each for ten or more copies.

(Address your orders to Department C)

AAAS

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

SCIENCE, VOL. 179

ski. Wiley-Interscience, New York, 1972. xxii, 820 pp., illus. \$37.50.

**Methods in Free-Radical Chemistry.** Vol. 3. Earl S. Huyser, Ed. Dekker, New York, 1972. x, 170 pp., illus. \$15.50.

**Methods of Neurochemistry.** Vol. 3. Rainer Fried, Ed. Dekker, New York, 1972. xii, 290 pp., illus. \$19.75.

**Microbiology for the Small Laboratory.** Dorothy Branson. Thomas, Springfield, Ill., 1972. viii, 70 pp. Spiral bound, \$3.95.

**The Minerals of Franklin and Sterling Hill.** A Check List. Clifford Frondel. Wiley-Interscience, New York, 1972. vi, 94 pp. + plates. \$9.95.

**Models in Paleobiology.** A symposium, Washington, D.C., Nov. 1971. Thomas J. M. Schopf, Ed. Freeman Cooper, San Francisco, 1972. vi, 250 pp., illus. \$9.50.

**Molecular Wave Functions and Properties.** Tabulated from SCF Calculations in a Gaussian Basis Set. Lawrence C. Snyder and Harold Basch with extensive help from Zelda R. Wasserman and Mary E. Baldacchino-Dolan. Wiley, New York, 1972. Variously paged. \$14.95.

**The Myth of Population Control.** Family, Caste, and Class in an Indian Village. Mahmood Mamdani. Monthly Review Press, New York, 1973. 174 pp. \$7.95.

**New Concepts in Contraception.** Malcolm Potts and Clive Wood, Eds. University Park Press, Baltimore, 1972. x, 232 pp., illus. \$14.50.

**1972 Directory of On-Going Research in Smoking and Health.** Compiled by Herner and Co., Washington, D.C. National Clearinghouse for Smoking and Health, Bethesda, Md., 1972 (available from the Superintendent of Documents, Washington, D.C.). vi, 302 pp. Paper, \$3.50.

**Nucleic Acid Sequence Analysis.** Stanley Mandel. Columbia University Press, New York, 1972. xii, 282 pp., illus. \$15. Columbia Series in Molecular Biology.

**Open Education and the American School.** Roland S. Barth. Agathon Press, New York, 1973 (distributed by Schocken Books, New York). xx, 300 pp. \$7.95.

**The Oxford Book of Vertebrates.** Cyclostomes, Fish, Amphibians, Reptiles, and Mammals. Marion Nixon. Illustrated by Derek Whiteley. Oxford University Press, New York, 1972. viii, 216 pp. \$14.75.

**The Papers of Joseph Henry.** Vol. 1, December 1797–October 1832. The Albany Years. Nathan Reingold, Stuart Pierson, and Arthur P. Molella, Eds., with the assistance of James M. Hobbins and John R. Kerwood. Smithsonian Institution Press, Washington, D.C., 1972 (distributor, Braziller, New York). lx, 496 pp., illus. \$15.

**Patents, Invention, and Economic Change.** Data and Selected Essays. Jacob Schmookler. Zvi Griliches and Leonid Hurwicz, Eds. Harvard University Press, Cambridge, 1972. xviii, 292 pp., illus. \$11.50.

**Pathobiology Annual.** Vol. 2, 1972. Harry L. Joachim, Ed. Appleton-Century-Crofts, New York, 1972. x, 430 pp., illus. \$17.

**Patterns of Emotions.** A New Analysis of Anxiety and Depression. Carroll E. Izard. Academic Press, New York, 1972. xii, 302 pp., illus. \$12.50.



**assured safety**

As a leader in breeding and producing guinea pigs, CAMM fully recognizes its obligation to provide you with the best animal models possible.

Every safeguard is observed to insure that all animal models delivered to you are healthy representatives of the species.

CAMM has installed the latest in monitoring devices and electronic controls to guarantee that the guinea pigs you order from CAMM will arrive ready for your most exacting research and diagnostic studies.

**Camm**  
MEETS YOUR EXACT REQUIREMENTS IN  
**guinea pigs**

Camm Research Institute, Inc.  
414 Black Oak Ridge Road / Wayne, N.J. 07470  
Tel. 201/694-0703

Circle No. 86 on Readers' Service Card

## The Electronic Slide Rule

Here's the most exciting scientific/engineering tool since we introduced the log-log slide rule in 1884. It does everything your slide rule does, and then some. Hyperbolics, for example. It's fast, convenient, and has large, bright, 12-digit readout.

Direct entry makes complex calculations easy. Automatic sine of a number by entering the number and pressing **sin**. Convert degrees, minutes, seconds to decimal equivalent by entering angle and pressing **deg**. Calculate the natural log of a number by entering the number and pressing **ln**. Read hyperbolic, trigonometric and exponential functions; convert radians to degrees or degrees to radians; all with a single function key that really fits your finger.

Put this slim, trim, 16-function electronic slide rule on your desk, right at your fingertips, and make life easy. From Dietzgen, the slide rule people. Who else? See it at your Dietzgen dealer today.

Use just the CD scale on your slide rule? (+, -, X, ÷) Get a Dietzgen CD-1. Dietzgen Corporation, 2425 North Sheffield Avenue, Chicago 60614

**DIETZGEN**

Circle No. 80 on Readers' Service Card





# POWER SUPPLIES

## for ELECTRO-PHORESIS

and other laboratory applications . . .



- Current and Voltage Regulated
- Burnout Protection against load interruption, short circuits and overloads
- Solid State Circuitry
- Polarity reversing switch
- Separate Volt and Milliammeter
- Low ripple
- Low-Hi Voltage Setting
- Capable of powering more than one electrophoresis cell simultaneously



**BUCHLER INSTRUMENTS DIV.  
NUCLEAR-CHICAGO CORP.**

A SUBSIDIARY OF G.D. SEARLE & CO.  
1327 SIXTEENTH ST., FORT LEE, N. J. 07024

**The Payroll Tax for Social Security.** John A. Brittain. Brookings Institution. Washington, D.C., 1972. xvi, 286 pp., illus. Paper, \$3.50. Studies of Government Finance.

**Periodic Inspection of Pressure Vessels.** A conference, London, May 1972. Institution of Mechanical Engineers, London, 1972. viii, 274 pp., illus. £13.

**Pharmaceutical Applications of Thin-Layer and Paper Chromatography.** Karel Macek, Ed. Elsevier, New York, 1972. xvi, 744 pp., illus. \$78.50.

**Photosynthesis, Two Centuries After Its Discovery by Joseph Priestley.** Vol. 2, Ion Transport and Phosphorylation. Proceedings of a congress, Stresa, Italy, June 1971. Giorgio Forti, Mordhay Avron, and Andrea Melandri, Eds. Junk, The Hague, 1972. xxiv pp. + pp. 861-1696, illus. 150 guilders.

**A Pictorial History of Sea Monsters and Other Dangerous Marine Life.** James B. Sweeney. Crown, New York, 1972. vi, 314 pp. \$9.95.

**Practical Methods in Electron Microscopy.** Vol. 1. Audrey M. Glauert, Ed. North-Holland, Amsterdam; Elsevier, New York, 1972. viii, 444 pp., illus. \$38.

**Prehistory.** An Introduction. Derek Roe. University of California Press, Berkeley, 1973. 288 pp., illus. Paper, \$3.25. Reprint of the 1970 edition.

**The Problem of Solid-Waste Disposal.** Eugene A. Glysson, James R. Packard, and Cyril H. Barnes. University of Michigan College of Engineering, Ann Arbor, 1972. xiv, 154 pp., illus. Paper, \$4.50. Ingenor, 9.

**Professional Obsolescence.** A symposium, Cambridge, England, June 1970. S. S. Dubin, Ed. Lexington (Heath), Lexington, Mass., 1972. vi, 122 pp., illus. \$7.50.

**Psychiatry and Ethics.** Maurice Levine. Braziller, New York, 1972. 382 pp. \$12.50.

**Psychology of Reasoning.** Structure and Content. P. C. Wason and P. N. Johnson-Laird. Harvard University Press, Cambridge, Mass., 1972. viii, 264 pp., illus. \$10.

**Psychosocial Aspects of Physical Illness.** Z. J. Lipowski, Ed. Karger, Basel, 1972 (U.S. distributor, Phiebig, White Plains, N.Y.). xvi, 276 pp., illus. \$33.05. Advances in Psychosomatic Medicine, vol. 8.

**IV<sup>e</sup> Réunion du Groupe International d'Etude des Virus et des Maladies à Virus de la Vigne.** A conference, Colmar, France, June 1970. Institut National de la Recherche Agronomique, Paris, 1972. 212 pp., illus. Paper, 60 F. I.N.R.A. Publication 72-4.

**Radiation Processes in the Atmosphere.** Second IMO Lecture. K. Ya. Kondratyev. World Meteorological Organization, Geneva, Switzerland, 1972. xxxiv, 214 pp., illus. \$19. WMO No. 309.

**Radiation Transport in Spectral Lines.** R. Grant Athay. Reidel, Dordrecht, Holland, 1972. xiv, 264 pp., illus. Cloth, \$24.50; paper, \$12.50. Geophysics and Astrophysics Monographs, vol. 1.

**The Reform of Power.** A Proposal for an International Security System. Leonard Beaton. Viking, New York, 1972. 242 pp. \$7.95.

**Research Progress in Organic, Biological and Medicinal Chemistry.** Vol. 3. Ulisse Gallo and Leonida Santamaria,

Eds. Elsevier, New York, 1972. 2 parts. Part 1, xlv pp. + pp. 1-432, illus. Part 2, xii pp. + pp. 433-776, illus. \$64.

**Revision of Bledius and Related Genera.** Part 1, *The Aequatorialis, Mandibularis*, and *Semiferrugineus* Groups and Two New Genera (Coleoptera, Staphylinidae, Oxytelinae). Lee H. Herman, Jr. American Museum of Natural History, New York, 1972. pp. 113-254, illus. Paper, \$5.55. Bulletin of the American Museum of Natural History, vol. 149, article 2.

**Science and the Rise of Technology Since 1800.** C. A. Russell and D. C. Goodman, Eds. Published in association with the Open University Press by Wright, Bristol, England, 1972. xii, 338 pp., illus. Paper, £3.95. Open University Set Book.

**Smooth Muscle Cells in Atherosclerosis.** J. C. Geer and M. Daria Haust. Karger, Basel, 1972 (U.S. distributor, Phiebig, White Plains, N.Y.). x, 140 pp., illus. \$16. Monographs on Atherosclerosis, vol. 2.

**A Sociology of Sociology.** Robert W. Friedrichs. Free Press, New York; Collier-Macmillan, London, 1972. xxiv, 430 pp. Paper, \$5.95. Reprint of the 1970 edition.

**Specifications for the Identity and Purity of Some Enzymes and Certain Other Substances.** A meeting, Rome, June 1971. World Health Organization, Geneva, 1972 (U.S. distributor, American Public Health Association, Washington, D.C.). vi, 174 pp., illus. Paper, \$2.25. WHO Food Additives Series, 1972, No. 2.

**Spot Tests in Inorganic Analysis.** Fritz Feigl and Vinzenz Anger. Translated by Ralph E. Oesper. Elsevier, New York, ed. 6, 1972. xxx, 670 pp., illus. \$42.50.

**The Staphylococci.** Jay O. Cohen, Ed. Wiley-Interscience, New York, 1972. xii, 548 pp., illus. \$34.95.

**Stratigraphic Nomenclature of the Sirte Basin, Libya.** F. T. Barr and A. A. Weegar. Petroleum Exploration Society of Libya, Tripoli, 1972. 180 pp., illus. \$8.

**Sugar-Beet Nutrition.** A. P. Draycott. Wiley, New York, 1972. x, 250 pp., illus. \$19.50.

**Suicidal Behaviour.** J. Wallace McCulloch and Alistair E. Philip. Pergamon, New York, 1972. xii, 124 pp., illus. \$7.75. Commonwealth and International Library, Social Work Division.

**Surface Color Perception.** Jacob Beck. Cornell University Press, Ithaca, 1972. xvi, 206 pp., illus. \$11.50.

**The Syndrome of Specific Dyslexia.** With Special Consideration of Its Physiological, Psychological, Testpsychological and Social Correlates. Edith Klasen. University Park Press, Baltimore, 1972. xii, 236 pp., illus. \$14.50.

**Systematics and Behavior of South American Flickers (Aves, Colaptes).** Lester L. Short. American Museum of Natural History, New York, 1972. 110 pp., illus. Paper, \$4. Bulletin of the American Museum of Natural History, vol. 149, article 1.

**Systems Building.** Proceedings of a conference, Gaithersburg, Md., Feb. 1972. Kenneth F. Reinschmidt, Ed. Sponsored by the Committee on Systems Building of the American Society of Civil Engineers and by the National Science Foundation. Available from the National Technical