Uninvited Visitors. A Biologist Looks at UFO's. Ivan T. Sanderson. Cowles Education Corporation, New York, 1967. viii + 244 pp., illus. \$6.95.

Urban Development. Its Implications for Social Welfare. Proceedings of the 13th international conference of social work, Washington, D.C., September, 1966. Published for the International Council on Social Welfare by Columbia University Press, New York, 1967. x + 462 pp. \$8.50.

Urban Political Systems. A Functional Analysis of Metro Toronto. Harold Kaplan. Columbia University Press, New York, 1967. x + 310 pp., illus. \$8.50.

Verbi-Voco-Visual Explorations. Marshall McLuhan. Something Else Press, New York, 1967. Unpaged, illus. Paper, \$2.75.

Vertical Transportation: Elevators and Escalators. Geroge R. Strakosch. Wiley, New York, 1967. xiv + 365 pp., illus. \$15. A View of the Brain. J. S. Griffith.

Oxford University Press, New York, 1967. viii + 79 pp., illus. Paper, \$2.75. Oxford Science Research Papers, No. 1.

Viewing Weather from Space. E. C. Barrett. Praeger, New York, 1967. xii + 140 pp., illus. \$6. Praeger Monographs in Geography.

The Vitamins. Chemistry, Physiology, Pathology, Methods. Vol. 6. Paul György and W. N. Pearson, Eds. Academic Press, New York, ed. 2, 1967. xiv + 338 pp., illus. \$17.

A Walk Through the Garden of Science. A Profile of the Weizmann Institute. Joseph Wechsberg. Weidenfeld and Nicolson, London, 1967. viii + 148 pp., illus. 30 s.

The Weather Changers. D. S. Halacy, Jr. Harper and Row, New York, 1968. x + 246 pp., illus. \$6.95.

Weather Modification in the Soviet Union, 1946-1966. A Selected Annotated Bibliography. Nikolay T. Zikeev and George A. Doumani. Library of Con-gress, Washington, D.C., 1967. x + 78pp. Paper, 55¢.

White African. An Early Autobiography. L. S. B. Leakey. Schenkman, Cambridge, Mass., 1966. 316 pp. \$7.95. Reprint with a foreword by Kirtley Mathin and a new preface by the author of the 1937 edition.

Wild Flowers of the United States. Vol. 2, The Southeastern States. Harold William Rickett. Published for the New York Botanical Garden. McGraw-Hill, New York, 1967. Two parts, boxed. xvi + 688 pp., illus. The World of the Frog and the Toad.

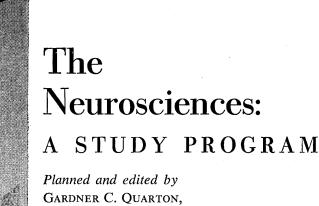
Text and photographs by George Porter. Lippincott, Philadelphia, 1967. 153 pp. \$4.95. Living World Books.

World of the Great White Heron. A Saga of the Florida Keys. Marjory Bartlett Sanger. Drawings by John Henry Dick. Devin-Adair, New York, 1967. x + 146 pp. \$10.

Woven Cloth Construction. A. T. C. Robinson and R. Marks. Plenum, New York; Butterworth, London, 1967. viii + 180 pp., illus. \$11.

The Zealots of Masada. Story of a Dig. Moshe Pearlman. Scribner, New York, 1967. vi + 216 pp., illus. \$5.95.

16 FEBRUARY 1968



THEODORE MELNECHUK, and FRANCIS O. SCHMITT

The first book to scan important neurosciences at every level from molecule and cell to brain and behavior. Sixty-five distinguished scientists survey conceptual mountain peaks in promising areas of brain research. Published for the Neurosciences Research Program by The Rockefeller University Press.

1,000 pages 650 illus 8<sup>1</sup>/2 x 11 \$17.50

# Neurophysiology and Emotion

David C. Glass, editor

T.

11.10

10 (C)

**H**avars

1 STUDY

DO GRAN

C. Anton

The first of three volumes in a Biology and Behavior Series presenting opportunities for collaborative research between biologists and social scientists. Prospectus for complete series ---including Genetics (March) and Environmental Influences (July)-on request. Published by Russell Sage Foundation and The Rockefeller University Press.



6<sup>1</sup>/2 x 9<sup>1</sup>/2

75 illus

# LAW AND THE SOCIAL ROLE OF SCIENCE

\$7.50



256 pages

# Harry W. Jones, editor. Based on the proceed-

ings of a conference under the auspices of The Rockefeller University and the Walter E. Meyer Research Institute of Law. Published by The Rockefeller University Press.

244 pages 6<sup>3</sup>/<sub>8</sub> x 9<sup>1</sup>/<sub>2</sub>

From your bookseller or The Rockefeller University Press 66th Street and York Avenue, New York 10021

\$6.00



Now you can have super-quality water for formulating solutions, cleaning apparatus and other critical laboratory uses simply by installing a compact Millipore Super- $Q^{TM}$  System at the point of use.

The elements shown above, containing disposable cartridges, are individual modules which are simply joined together without any need for connecting piping. They can be used in any combination desired. For example, water which has been treated at a central station could be economically upgraded to super quality at the point of use with a three-cartridge Super-Q System (no prefiltration).

The pore size of the Millipore filter module determines the level of absolute particle removal — 0.22, 0.45, 0.65, 0.80 or 1.2 microns. Flow rates are up to 2 gpm.

The Super-Q System is described in detail in Bulletin SQS-1. Write for a copy to Millipore Corporation, Bedford, Mass. 01730.

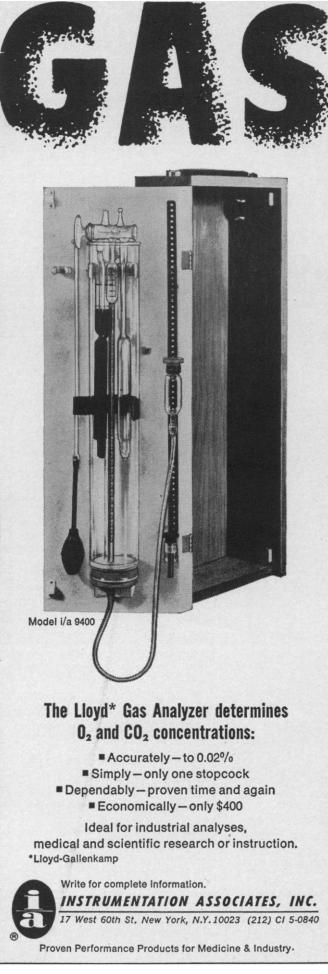
Willipore

## **Index of Advertisers**

#### 16 February 1968

| Academic Press<br>Advanced Instruments, Inc.<br>Air Control, Inc.  | 782<br>780<br>788  |
|--|--|
| Barnstead, subsidiary of Ritter Pfaudler<br>Corp.  | 798 ·<br>785   |
| Bausch & Lomb<br>Barry Controls<br>Bel-Art Products  | 787<br>768   |
| Rio-Rad Laboratories   | 770<br>781   |
| Blackstone Ultrasonics, Inc.<br>Brinkmann Instruments  | 773<br>792   |
| Carver, Fred S., Inc.<br>Celvite Corp., Brush Instruments<br>Div   | 787<br>763   |
| Coleman Instruments  | 682<br>673   |
| E & M Instruments Co., Inc<br>Extracorporeal Medical Specialties, Inc.   | 790<br>694   |
| Federal Pacific Electric Co<br>Fish-Schurman Corp<br>Fluid Metering, Inc   | 794<br>778<br>764  |
| Hacker, William J., & Co., Inc   | 773  |
| Harrord Metal Products, Inc<br>Holt, Rinehart & Winston, Inc<br>Honeywell, Inc 676, 677, 765,  | 784<br>789<br>797  |
| Houston Instruments  | 768<br>769   |
| Instrumentation Associates, Inc<br>Instrumentation Specialties Co., Inc  | 797<br>761   |
| Isomet Corp.   | 761<br>761<br>771  |
| Keithley Instruments, Inc  | 790  |
| Labconco Corp  | 769<br>801   |
| LKB Instruments Inc.   | 692<br>777   |
| Mallinckrodt Chemical Works 691,<br>Mann Research Laboratories   | 794<br>778   |
| Matheson Co.<br>Mercer Glass   | 674<br>775<br>769  |
| Mettler   Corp.   <  | 796<br>783   |
| Neslab<br>New Brunswick Scientific Co., Inc  | 780  |
| New Brunswick Scientific Co., Inc  |  |
| Nuclear-Chicago Corp   | 689<br>802   |
| Nuclear-Chicago Corp<br>Olympus Corporation of America   | 802<br>684<br>685  |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   | 802<br>684<br>685<br>772<br>668  |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   | 802<br>684<br>685<br>772<br>668<br>695<br>786  |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   Plenum Publishing Corp.   | 802<br>684<br>685<br>772<br>668<br>695<br>786<br>680<br>698  |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   Plenum Publishing Corp.   Polaroid Corp.   Precision Scientific Co.   Profession Tape Co., Inc.   | 802<br>684<br>685<br>772<br>668<br>695<br>786<br>680<br>698<br>791<br>787  |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   Plenum Publishing Corp.   Polaroid Corp.   Precision Scientific Co.   Professional Tape Co., Inc.   Ralston Purina Co.   Reeve Angel  | 802<br>684<br>685<br>772<br>668<br>695<br>786<br>680<br>698<br>791<br>787<br>790<br>775  |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   Plenum Publishing Corp.   Polaroid Corp.   Precision Scientific Co.   Profession at Tape Co., Inc.   Ralston Purina Co.   Reeve Angel   Revco Inc.  | 802<br>684<br>685<br>772<br>668<br>695<br>786<br>680<br>698<br>791<br>787<br>790   |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   Plenum Publishing Corp.   Polaroid Corp.   Precision Scientific Co.   Professional Tape Co., Inc.   Ralston Purina Co.   Reeve Angel   Rockefeller University Press   Rosenthal, Paul, Inc.   Sage Instruments, Inc.   Sargent, E. H., & Co.  | 802<br>684<br>685<br>772<br>668<br>695<br>786<br>698<br>698<br>796<br>787<br>787<br>790<br>775<br>778<br>795   |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   Photovolt   Plenum Publishing Corp.   Polaroid Corp.   Professional Tape Co., Inc.   Ralston Purina Co.   Reeve Angel   Revco Inc.   Roseenthal, Paul, Inc.   Sage Instruments, Inc.   Sargent, E. H., & Co.  | 802<br>684<br>685<br>772<br>6685<br>786<br>698<br>791<br>786<br>698<br>791<br>787<br>775<br>778<br>775<br>778<br>775<br>778<br>687<br>775<br>786<br>774<br>675<br>792  |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   Photovolt   Plenum Publishing Corp.   Polaroid Corp.   Precision Scientific Co.   Professional Tape Co., Inc.   Ralston Purina Co.   Revco Inc.   Rockefeller University Press   Rosenthal, Paul, Inc.   Sargent, E. H., & Co.   Schoeffel Instrument Corp.   Schwarz BioResearch, Inc.   Schwarz BioResearch, Inc.   | 802<br>684<br>685<br>778<br>695<br>786<br>698<br>791<br>778<br>795<br>778<br>7795<br>7795<br>7795<br>7795<br>687<br>7923<br>7793<br>7793   |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   Photovolt   Plenum Publishing Corp.   Polaroid Corp.   Polaroid Corp.   Professional Tape Co., Inc.   Ralston Purina Co.   Reeve Angel   Revco Inc.   Rockefeller University Press   Rosenthal, Paul, Inc.   Sage Instruments, Inc.   Sargent, E. H., & Co.   Scheeffel Instrument Corp.   Schwarz BioResearch, Inc.   Scientific Notebook Co.  | 802<br>684<br>685<br>772<br>6685<br>786<br>695<br>786<br>695<br>786<br>695<br>786<br>790<br>775<br>785<br>7790<br>775<br>7785<br>785<br>792<br>683<br>7792<br>683<br>7796  |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   Photovolt   Polaroid Corp.   Polaroid Corp.   Polaroid Corp.   Precision Scientific Co.   Professional Tape Co., Inc.   Ralston Purina Co.   Reeve Angel   Revco Inc.   Rockefeller University Press   Rosenthal, Paul, Inc.   Sage Instruments, Inc.   Sargent, E. H., & Co.   Schoeffel Instrument Corp.   Schwarz BloResearch, Inc.   Scientific Glass Apparatus Co., Inc.   Scientific Notebook Co.   Scientific Rodets   Shandon Scientific Co., Inc.  | $\begin{array}{c} 802\\ 684\\ 685\\ 762\\ 6695\\ 6695\\ 6695\\ 6695\\ 786\\ 698\\ 791\\ 780\\ 775\\ 7785\\ 7785\\ 7775\\ 7785\\ 7775\\ 7785\\ 7775\\ 6792\\ 688\\ 785\\ 786\\ 786\\ 781\\ \end{array}$   |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   Plenum Publishing Corp.   Polaroid Corp.   Precision Scientific Co.   Professional Tape Co., Inc.   Ralston Purina Co.   Reeve Angel   Rockefeller University Press   Rosenthal, Paul, Inc.   Sargent, E. H., & Co.   Schoeffel Instrument Corp.   Schoeffel Instrument Corp.   Scientific Glass Apparatus Co., Inc.   Scientific Products   Shandon Scientific Co., Inc.   Sigma Chemical Co.   Southern Precision Instrument Con.   | $\begin{array}{r} 802\\ 684\\ 685\\ 772\\ 668\\ 695\\ 680\\ 698\\ 791\\ 775\\ 779\\ 775\\ 7795\\ 7795\\ 7795\\ 7795\\ 687\\ 7795\\ 687\\ 7786\\ 687\\ 7786\\ 687\\ 7786\\ 687\\ 7786\\ 687\\ 7786\\ 687\\ 7786\\ 781\\ 776\\ 776\\ 776\\ 776\\ 776\\ 776\\ 776\\ 77$ |
| Nuclear-Chicago Corp.   Olympus Corporation of America   Orion Research, Inc.   Oxford University Press   Perkin-Elmer Corp.   Pharmacia Fine Chemicals Inc.   Photovolt   Photovolt   Polaroid Corp.   Polaroid Corp.   Precision Scientific Co.   Professional Tape Co., Inc.   Ralston Purina Co.   Reeve Angel   Revco Inc.   Rockefeller University Press   Rosenthal, Paul, Inc.   Sargent, E. H., & Co.   Schoeffel Instruments, Inc.   Schoeffel Instrument Corp.   Schwarz BioResearch, Inc.   Scientific Glass Apparatus Co., Inc.   Scientific Products   Shandon Scientific Co., Inc.   Sigma Chemical Co.   Sobotka, Eric, Co., Inc.   Southern Precision Instrument Co.   Springer-Verlag  | $\begin{array}{c} 802\\ 684\\ 685\\ 762\\ 6695\\ 6695\\ 6695\\ 786\\ 698\\ 791\\ 780\\ 775\\ 7785\\ 7785\\ 7785\\ 7785\\ 7785\\ 6782\\ 6782\\ 786\\ 786\\ 786\\ 786\\ 786\\ 7765\\ 776\\ 776\\ 776\\ 776\\ 776\\ 776\\ 7$  |
| Nuclear-Chicago Corp.<br>Olympus Corporation of America<br>Orion Research, Inc.<br>Oxford University Press<br>Perkin-Elmer Corp.<br>Pharmacia Fine Chemicals Inc.<br>Photovolt<br>Plenum Publishing Corp.<br>Polaroid Corp.<br>Precision Scientific Co.<br>Professional Tape Co., Inc.<br>Ralston Purina Co.<br>Reeve Angel<br>Revco Inc.<br>Rockefeller University Press<br>Rosenthal, Paul, Inc.<br>Sargent, E. H., & Co.<br>Scherer-Gillett<br>Schoeffel Instrument Corp.<br>Schwarz BioResearch, Inc.<br>Scientific Glass Apparatus Co., Inc.<br>Scientific Rotebook Co.<br>Scientific Products<br>Shandon Scientific Co., Inc.<br>Sigma Chemical Co.<br>Springer-Verlag<br>Thermolyne Corp.<br>Torsion Balance Co.<br>Tracerlab   | $\begin{array}{r} 802\\ 684\\ 685\\ 772\\ 668\\ 695\\ 680\\ 698\\ 791\\ 779\\ 775\\ 779\\ 775\\ 778\\ 687\\ 778\\ 687\\ 778\\ 687\\ 778\\ 687\\ 778\\ 687\\ 778\\ 688\\ 778\\ 77$  |
| Nuclear-Chicago Corp<br>Olympus Corporation of America<br>Orion Research, Inc<br>Perkin-Elmer Corp<br>Pharmacia Fine Chemicals Inc<br>Photovolt<br>Plenum Publishing Corp<br>Polaroid Corp<br>Precision Scientific Co<br>Professional Tape Co., Inc<br>Ralston Purina Co<br>Reeve Angel<br>Reveo Inc<br>Rockefeller University Press<br>Rosenthal, Paul, Inc<br>Sage Instruments, Inc<br>Sargent, E. H., & Co<br>Scherer-Gillett<br>Scherefel Instrument Corp<br>Schwarz BloResearch, Inc<br>Scientific Roats Apparatus Co., Inc<br>Scientific Notebook Co<br>Sigma Chemical Co<br>Sobotka, Eric, Co., Inc<br>Sobotka, Eric, Co., Inc<br>Sopinger-Verlag<br>Thermolyne Corp.<br>Tracerlab<br>TRW Instruments   | $\begin{array}{c} 802\\ 684\\ 685\\ 762\\ 6695\\ 6695\\ 6695\\ 786\\ 698\\ 791\\ 779\\ 775\\ 7785\\ 7775\\ 7785\\ 7775\\ 6792\\ 688\\ 766\\ 7765\\ 7765\\ 7765\\ 7765\\ 776\\ 7765\\ 776\\ 788\\ 690\\ \end{array}$  |
| Nuclear-Chicago Corp<br>Olympus Corporation of America<br>Orion Research, Inc<br>Perkin-Elmer Corp<br>Pharmacia Fine Chemicals Inc<br>Photovolt<br>Plenum Publishing Corp<br>Polaroid Corp<br>Professional Tape Co., Inc<br>Ralston Purina Co<br>Ralston Purina Co<br>Reeve Angel<br>Rockefeller University Press<br>Rosenthal, Paul, Inc<br>Sargent, E. H., & Co<br>Scherer-Gillett<br>Scherer-Gillett Schoeffel Instrument Corp<br>Schoeffel Instrument Corp<br>Scientific Glass Apparatus Co., Inc<br>Scientific Notebook Co<br>Sigma Chemical Co<br>Southern Precision Instrument Co<br>Springer-Verlag<br>Thermolyne Corp<br>Tracerlab<br>TRW Instruments Inc   | $\begin{array}{c} 802\\ 684\\ 685\\ 772\\ 668\\ 695\\ 680\\ 698\\ 791\\ 775\\ 775\\ 775\\ 775\\ 775\\ 775\\ 775\\ 77$  |
| Nuclear-Chicago Corp   | $\begin{array}{c} 802\\ 684\\ 685\\ 772\\ 668\\ 695\\ 680\\ 695\\ 786\\ 695\\ 797\\ 779\\ 775\\ 779\\ 775\\ 775\\ 775\\ 7$   |
| Nuclear-Chicago Corp<br>Olympus Corporation of America<br>Orion Research, Inc<br>Perkin-Elmer Corp<br>Pharmacia Fine Chemicals Inc<br>Pharmacia Fine Chemicals Inc<br>Photovolt<br>Plenum Publishing Corp<br>Polaroid Corp<br>Professional Tape Co., Inc<br>Ralston Purina Co<br>Ralston Purina Co<br>Ralston Purina Co<br>Reeve Angel<br>Rockefeller University Press<br>Rosenthal, Paul, Inc<br>Sargent, E. H., & Co<br>Scherer-Gillett<br>Schoeffel Instruments Inc<br>Scientific Glass Apparatus Co., Inc<br>Scientific Notebook Co.<br>Scientific Notebook Co.<br>Scientific Notebook Co.<br>Scientific Notebook Co.<br>Scientific Notebook Co.<br>Scientific Products<br>Southern Precision Instrument Co.<br>Springer-Verlag<br>Thermolyne Corp.<br>Torsion Balance Co.<br>Tracerlab<br>TRW Instruments Inc.<br>Victoreen Instrument Co.<br>Wickers Instrument Div.<br>Whittaker Corp., Gencom Div.<br>Wilkens-Anderson Co. | $\begin{array}{c} 802\\ 684\\ 685\\ 772\\ 668\\ 695\\ 680\\ 695\\ 786\\ 695\\ 786\\ 698\\ 797\\ 778\\ 778\\ 778\\ 778\\ 778\\ 778\\ 7$   |
| Nuclear-Chicago Corp   | $\begin{array}{c} 802\\ 6885\\ 7668\\ 695\\ 6695\\ 6695\\ 780\\ 695\\ 791\\ 779\\ 777\\ 778\\ 777\\ 778\\ 778\\ 778\\ 6792\\ 778\\ 788\\ 768\\ 768\\ 767\\ 776\\ 776\\ 776$  |

SCIENCE, VOL. 159



# **Honeywell puts** precise, dependable environmental controls within your budget

Now you no longer need to put up with crude, slow-acting, inaccurate methods of environmental control because of budget limitations. Honeywell has developed a system of precise, accurate controls costing one-third to one-fifth of comparable systems.

The Honeywell system has controls for humidity, temperature, light, sound and other variables. They can be programmed to chronological, sequential or other modes as desired. All have been designed with flexibility in mind. You can buy exactly the amount of control sophistication you want, without purchasing unwanted control capacity. As your requirements grow, you can add additional equipment, economically. Whatever your control problem, Honeywell can help you solve it.

# FREE BROCHURE

For complete facts on Honeywell's new family of precision environmental controls send in the coupon below.



Honeywell

| Mr. Bill Crosley<br>Honeywell<br>Apparatus Controls I<br>Minneapolis, Minn. 5 |  |                       | S-2-20 |
|---|--|-----------------------|--------|
| Please send me your free  | brochure on env                          | vironmental controls. |        |
| NAME  | · · . <del></del> · · · - <del>.</del> . |                       |        |
| TITLE   |  |                       |        |
| COMPANY   |  |                       |        |
| ADDRESS   |  |                       | _      |
| CITY  | STATE                                    | ZIP                   |        |

# This lab demineralizer has a great head on its shoulders.

The Barnstead BD-1 "Bantam" demineralizer tells you the quality of water you're getting, as well as when its disposable cartridge should be changed. A built-in, direct reading purity meter makes the difference.

No guessing about water purity. No wondering whether you're replacing cartridges too early or late. You know (in parts per million and ohms resistance) at the flick of a switch.

Other features of this popular Barnstead BD-1: Flow rate; 5 to 10 gph — Quick cartridge change, without tools — Comes complete for connection to raw water line, with pedestal, inlet and effluent tubing and valves, electrical cord, plug — Takes only 8" x 8" x 28" high bench space, or wall-mounts. See your laboratory supply dealer. Write for Barnstead Catalog 154A.

Barnstead

Subsidiary of Ritter Pfaudler Corp. 120 Rivermoor Street Boston, Massachusetts 02132

# Personnel Placement

## POSITIONS WANTED

**Biologist**, Ph.D. Seeks position teaching biology and ecology. Box 46, SCIENCE. 2/23; 3/1, 8

**Biopsychologist**; 1967 Ph.D., four publications (biochemical control of learning), 2 years of teaching. Seeks joint research/teaching appointment. Start September. Box 8, SCIENCE 2/16

Business Administrator, medical college, business and government experience. Minimum \$15,000. Box 33, SCIENCE. X

(a) ENVIRONMENTAL HEALTH Ph.D. 1968; MPH; desires Air Pollution, Sanitation, Public Health position. (b) PHARMACOLOGY Ph.D.; R&D coordinator, toxicology, irradiation, computer programming, management experience; director drug, food, packaging, cosmetic products; administrative appointment desired. WOOD-WARD PERSONNEL BUREAU, 185 North Wabash, Chicago 60601.

M.D., Pathologist, age 36, desires relocation in Europe. Able in the fields of Anatomic Pathology, Clinical Pathology, Teaching. Pharmacology. Drug industry. Box 47, SCIENCE.

POSITIONS OPEN

# SENIOR BIOMEDICAL SCIENTIST

Hittman at Columbia, Maryland, announces a most exceptional position in our Medical Engineering Department for a Ph.D., M.D. or Sc.D. with background in the physical sciences and a degree or experience in bioengineering. Will coordinate a major long-term program with farreaching national consequences. Our Physiology laboratory will support this project.

The Hittman organization includes departments in the social and environmental sciences, computer and isotopes engineering and metallurgical research. Supplementing this opportunity to work in a very significant program, we offer complete benefits and eligibility for incentive compensation. Salary open.

Work in original concepts at our offices and laboratories in the New Town of Columbia, Maryland, convenient to the resources of Washington and Baltimore. Contact our Vice President of Advanced Technology, Dr. Harry P. Kling, Hittman Associates, P.O. Box 810, Columbia, Maryland 21043.

An Equal Opportunity Employer

# REPRODUCTIVE PHYSIOLOGY ENDOCRINOLOGIST Ph.D.

# Salary To \$22,000

Major Pharmaceutical Company seeking an experienced individual with 5-10 years industrial research background who has the immediate potential to move into research management.

Send resume to: Mr. E. J. Blanchard, Jr. **Kingsley-Quinn Ltd.** Recruiting Consultants To Management 55 West 42nd Street New York 10036

SCIENCE, VOL. 159



POSITIONS OPEN

EXCELLENT ACADEMIC OPPORTUNITIES **EXCELLENT ACADEMIC OPPORTONITIES** ... Teaching and Administrative positions in Midwest and other areas of U.S. Colleges and Universities absorb recruitment costs. Send re-sume to E. E. Hansbrough, Executive Director, University and College Staffing Center and American College Bureau, 28 E. Jackson Blvd., Chicago, Ill. 60604.

WANTED EXPERIENCED CLINICAL CHEM-IST TO JOIN EXPANDING INDEPENDENT MEDICAL LABORATORY IN BOSTON. Ph.D. desirable but not essential. Research op-portunities available. Academic affiliations pos-sible. Write, Confidential, to Dir., Leary Labora-tory, 43 Bay State Road, Boston, Mass. 02215.

INDIANA STATE UNIVERSITY TERRE HAUTE, INDIANA Dynamic growing life science department with doctoral program in search of young staff mem-bers for teaching-research, state-financed appoint-ments, Sept. 1968. (1) Ultrastructure biologist: to develop course and research program. New high resolution E.M. facility supplied. (2) Virologist-immunologist; new virology teaching-research laboratory in need of staff to develop virology program. (3) Biochemist (protein): to develop bio-chemistry program jointly with staff of chemistry department. (4) Limnologist: to broaden strong existent program in ecology. (5) Plant physiolo-gist: to give critical mass to existent staff, inter-est in plant growth regulators preferred. Apply to: W. S. Silver, Chairman, Dept. of Life Sci-ences, Indiana State University, Terre Haute, Indiana.

MICROBIOLOGIST—Private foundation needs Ph.D. as assistant to director of a modern well equipped medical research laboratory in Philip-pines. Opportunity for individual research as part of a broad clinical, epidemiologic, pathologic and microbiologic program in leprosy research. Appointment for preliminary orientation period in U.S. University and 18 months overseas duty. Salary \$10,000 plus travel expenses and overseas bonus. Send resume and references to: C. V. Reich, Ph.D., Leonard Wood Memorial, Johns Hopkins School of Hygiene, 615 North Wolfe Street, Baltimore, Maryland 21205.

#### APPLIED MICROBIOLOGIST

Microbiologist interested in Environmental Biolbioengineering science course. Candidates should have a Ph.D. or equivalent and have interest in reasonable research.

Direct inquiries and curriculum vitae to—Head, Department of Bacteriology & Immunology, The University of Western Ontario, London, Ontario, Canada.

#### **REPRODUCTIVE PHYSIOLOGIST**

The Department of Animal Science, Ontario Agricultural College, University of Guelph, Guelph, Ontario, Canada, requires a faculty mem-ber to augment a research and teaching program in applied physiology. Modern facilities will be available for investigation in all species of farm animals. However, priority development and in-vestigation is presently with swine.

Candidates must have Ph.D. qualifications in physiology with major emphasis in animal repro-duction. Salary and classification will be com-mensurate with educational qualifications and experience.

Persons interested in this position are invited to send curriculum vitae, grade transcripts, list of publications and references, special cualifications and interests to: Dr. J. C. Rennie, Chairman of the Department.

VIROLOGIST (M.S.) to participate in diagnostic virology laboratory. Contact Hugh F. Luddecke, M.D., Director of Laboratories, Morristown Memorial Hospital, Morristown, New Jersey 07960

## POSITIONS OPEN

#### **OPPORTUNITIES INVITATION** to professional careers

INVITATION to professional careers (a) TOXICOLOGY DIRECTOR drug evaluations, supv; drug specialty mfr; \$20,000; MidW; (b) PHYSIOLOGIST Cardiovascular research exp; large hosp & med sch faculty appt; \$18,000; MidE; (c) ASST PROF GENETICS teach, devel-op grad courses; own research; \$13,000; univ MidW; (d) CNS PHARMACOLOGIST abuse drugs research; to \$17,000 FEE PD; large research firm; E; (e) BIOCHEMIST supv dept 850 bed univ hosp & med research; \$13,600 & faculty appt; Calif;-write WOODWARD PERS. BU-REAU, 185 N. Wabash, Chicago 60601

### GRADUATE STUDY

Predoctoral Traineeships in Biochemistry are available at the University of Kentucky to quali-fied U.S. Citizens. First-year stipends are 52400 plus tuition, plus a \$500 allowance for each de-pendent. Department is well equipped and fac-ulty has varied research interests. Address in-quiries to Dr. George W. Schwert, Chairman, Devartment of Biochemistry, Medical Center, University of Kentucky, Lexington, Kentucky 40506.

#### BIOLOGISTS

College Graduates: Teaching fellowships in biol-ogy 1968-69; New England liberal arts college. Opportunity for study; Stipend. Write: Chairman, Department of Biology, Bowdoin College, Bruns-wick, Maine 04011.

# Graduate Teaching and Research Assistantships Leading to Ph.D. in Biology

Leading to Ph.D. in Biology Students with B.A. or B.S. degrees in Biology, Zoology, Botany, Chemistry, Physics or Mathe-matics are invited to apply for predoctoral sti-pends of \$3,100 plus dependency allowance, an-nual increases and tuition remission. The Depart-ment consists of a large staff and exceptionally well-equipped modern laboratories. Active pro-grams are underway stressing modern concepts of molecular, cellular, developmental, plant, organis-mal and population biology, genetics and micro-biology.

For details write to Director of Graduate Stud-ies, Department of Biology, State University of New York, Buffalo, New York 14214,

**Postdoctoral Trainceships in Cardiology** avail-able in the Division of Cardiovascular Research of The Chicago Medical School. The program is primarily for physicians interested in specializa-tion or an investigative career. Stipends begin at \$6,000 to \$7,000 plus \$500 for each dependent. Appointments are for one to three years begin-ming July 1, 1968. U.S. citizenship or Immigration Vision of Cardiovascular Research, The Chicago Medical School, 2020 West Ogden Avenue, Chi-cago, Illinois 60612.

## PREDOCTORAL ASSISTANTSHIPS AND TRAINEESHIPS IN PHYSIOLOGY

Excellent opportunities for graduate students leading to the Ph.D. Ample stipends and free tuition. Training and research in endocrinology, gastrointestinal, water and electrolyte metabolism, cardiovascular, sensory physiology, energy metabolism and bioengineering. Write for details, to:

Head, Department of Physiology University of Illinois at the Medical Center P.O. Box 6998 Chicago, Illinois 60680

# GRADUATE STUDY

#### THE UNIVERSITY OF CALGARY Graduate Assistantships in All Areas of Chemistry Including Biochemistry

Stipends available to Graduate Teaching As-sistants studying for the M.Sc. and Ph.D. degrees: Up to \$4,600 per annum plus travel grant and remission of fees.

Research Assistantships are also available for students registered in graduate programmes.

Applications from recent graduates and students expecting to graduate in 1968 should be directed ťo

Chairman of the Graduate Admissions Com-mittee, Department of Chemistry, The University, Calgary, Alberta, Canada.

#### Graduate Assistantships in Microbiology

Appointment leading to Ph.D., \$2400-\$2800 plus remission of tuition for academic year. Variety of research projects. Positions available Septem-ber 1968. For further information contact: Dr. Arthur K. Saz, Department of Microbiology, Georgetown University Medical & Dental School, Washington, D.C. 20007.

#### Predoctoral and Postdoctoral Fellowships in Pharmacology

Biochemical Pharmacology, Neuropharmacology, Autonomic and Cardiovascular Pharmacology training. Research on fundamental mechanisms of action and interaction of drugs at organ, cellular and subcellular levels. Full tuition and stipends available. Write: Dr. I. R. Innes, Department of Pharmacology and Therapeutics, Faculty of Medicine, University of Manitoba, Winnipeg, Manitoba, Canada.

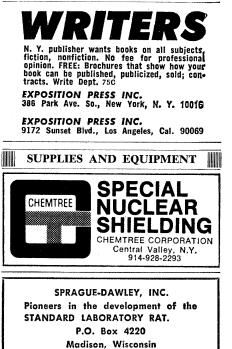
#### **RESEARCH ASSISTANTSHIPS IN** PHYSIOLOGY

Applications are invited for Research Assistant-ships from qualified students wishing to work towards the M.Sc. or Ph.D. degrees. Stipend range \$3,000-\$3,600 p.a. Write for further in-formation to: Dr. H. Copp, Head, Department of Physiology, University of British Columbia, Vancouver 8, B.C., Canada.

# The Market Place

BOOKS . SERVICES . SUPPLIES . EQUIPMENT

BOOKS AND MAGAZINES 



CE 3-5318

SCIENCE, VOL. 159