

Wiley, New York, 1972. 256 pp., illus. \$12.

Techniques for the Assessment of Microbial Production and Decomposition in Fresh Waters. Y. I. Sorokin and H. Kadota, Eds. Published for the International Biological Programme by Blackwell, Oxford, England, 1972 (U.S. distributor, Davis, Philadelphia). xvi, 112 pp., illus. Paper, \$7. IBP Handbook No. 23.

Techniques of Biochemical and Biophysical Morphology. Vol. 1. David Glick and Robert M. Rosenbaum, Eds. Wiley-Interscience, New York, 1972. xii, 280 pp., illus. \$15.

Techniques Involving Extreme Environment, Nondestructive Techniques, Computer Methods in Metals Research, and Data Analysis. Part 1. R. F. Bunshah, Ed. Interscience (Wiley), New York, 1972. xii, 528 pp., illus. \$34.95. **Techniques of Metals Research**, vol. 7, part 1.

Techniques of Nucleic Acid Fractionation. S. R. Ayad with the assistance of J. Blamire. Wiley-Interscience, New York, 1972. xiv, 234 pp., \$14.95.

Theoretical Physics. From Classical Mechanics to Group Theory of Microparticles. Masataka Mizushima. Wiley, New York, 1972. xxii, 694 pp., illus. \$22.

The Theory of Magnetic Resonance. Charles P. Poole, Jr., and Horacio A. Farach. Wiley-Interscience, New York, 1972. xvi, 452 pp., illus. \$19.95.

Theory of Partial Differential Equations. H. Melvin Lieberstein. Academic Press, New York, 1972. xiv, 284 pp., illus. \$16.50. **Mathematics in Science and Engineering**, vol. 93.

Thick Film Technology and Chip Joining. Lewis F. Miller. Gordon and Breach, New York, 1972. vi, 222 pp., illus. \$12.50. **Processes and Materials in Electronics**, vol. 1.

Three Crises in American Foreign Affairs and a Continuing Revolution. Howard Trivers. Southern Illinois University Press, Carbondale, 1972. xii, 220 pp. \$6.95.

300 Best Word Puzzles. Henry Ernest Dudeney. Scribner, New York, 1972. xiv, 172 pp., illus. Paper, \$2.65. Reprint of the 1968 edition.

III-V Ternary Semiconducting Compounds—Data Tables. M. Neubeger. IFI/Plenum, New York, 1972. vi, 56 pp. \$12.50. **Handbook of Electronic Materials**, vol. 7.

The Thyroid and Biogenic Amines. J. E. Rall and I. J. Kopin, Eds. North-Holland, Amsterdam; Elsevier, New York, 1972. xxxii, 686 pp., illus. \$48.50. **Methods in Investigative and Diagnostic Endocrinology**, vol. 1.

To Live on This Earth. American Indian Education. Estelle Fuchs and Robert J. Havighurst. Doubleday, Garden City, N.Y., 1972. xviii, 390 pp. \$8.95.

Toxicological Evaluation of Some Enzymes, Modified Starches and Certain Other Substances. A meeting, Rome, June 1971. Joint FAO/WHO Expert Committee on Food Additives. World Health Organization, Geneva, 1972 (available from American Public Health Association, Washington, D.C.). 110 pp. Paper, \$1.50. WHO Food Additives Series, No. 1. FAO Nutrition Meetings Report Series, No. 50A.

U.S. Health Care. What's Wrong and What's Right. Stephen P. Strickland. Universe Books, New York, 1972. 128 pp. Cloth, \$6.50; paper, \$2.45. A Potomac Associates Book.

USAN 10 and the USP Dictionary of Drug Names. Mary C. Griffiths, Marie J. Dickerman, and Lloyd C. Miller, Eds. United States Pharmacopeial Convention, Rockville, Md., 1972. xii, 184 pp., illus. Paper, \$15.

Vascular Diseases of the Nervous System. Part 2. P. J. Vinken and G. W. Bruyn, Eds. North-Holland, Amsterdam; Elsevier, New York, 1972. x, 696 pp., illus. \$68. **Handbook of Clinical Neurology**, vol. 12.

Vasopeptides. Chemistry, Pharmacology, and Pathophysiology. Proceedings of a symposium, Florence, Italy, July 1971. Nathan Back and F. Sicuteri, Eds. Plenum, New York, 1972. xxiv, 496 pp., illus. \$25. **Advances in Experimental Medicine and Biology**, vol. 21.

Vibrational Spectroscopy of Solids. P. M. A. Sherwood. Cambridge University Press, New York, 1972. xii, 254 pp., illus. \$19.50. **Cambridge Monographs in Physical Chemistry**, 1.

Virology Monographs. Vol. 11. Canine Distemper Virus. M. J. G. Appel and J. H. Gillespie. Marburg Virus. R. Siebert. Springer-Verlag, New York, 1972. 154 pp., illus. \$15.30.

The Wages of War 1816–1965. A Statistical Handbook. J. David Singer and Melvin Small. Wiley, New York, 1972. xii, 420 pp. \$13.95.

What Makes a Nuclear Power Plant Work? Erich Fuchs. Translated from the German edition (Munich, 1971) by Edite Kroll. Delacorte, New York, 1972. Unpagged, illus. \$4.95.

Will California Fall into the Sea? Peter Briggs. McKay, New York, 1972. x, 244 pp. + plates. \$6.95.

Women and Madness. Phyllis Chesler. Doubleday, Garden City, N.Y., 1972. xvi, 360 pp. + plates. \$8.95.

The Women and Their Pregnancies. The Collaborative Perinatal Study of the National Institute of Neurological Diseases and Stroke. Kenneth R. Niswander, Myron Gordon, and ten others, Eds. Saunders, Philadelphia, 1972. xvi, 540 pp., illus., + microfiche. \$17.

Words for Birds. A Lexicon of North American Birds with Biographical Notes. Edward S. Gruson. Quadrangle, New York, 1972. xiv, 306 pp., illus. \$8.95.

Workbook in Organic Chemistry. Exercises in the Properties, Behavior, and Synthesis of Organic Compounds. T. A. Geissman. Freeman, San Francisco, 1972. xiv, 246 pp., illus. Paper, \$4.95. A Series of Books in Chemistry.

World Directory of Collections of Cultures of Microorganisms. Compiled by S. M. Martin, C. Quadling, M. L. Jones, and V. B. D. Skerman. Wiley-Interscience, New York, 1972. xlviii, 560 pp. \$19.95.

Yugoslav Scientific Research Guide 1970. Compiled by Reuf Bravo and Selma Bravo. Published for the National Library of Medicine and the National Science Foundation by Nolit, Belgrade, 1972 (available as TT 70-56091 from the National Technical Information Service, Springfield, Va.). xii, 634 pp. Paper, \$9.

member co
ic inst
stand
ju

Mailing this coupon could save you \$20,000

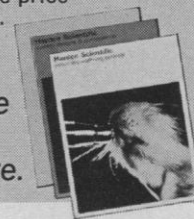
But nobody clips coupons.

You can't find a scissors. Your secretary is out to lunch. And besides, coupons are a lot of trouble. Too bad.

Our brochure (what you get for the coupon) proves how an automatic watering system for animals can cut 30% off animal care costs in most facilities. For the typical 5000 cage lab that comes to about \$20,000. Every year. And because these savings are proportional, Harco equipment offers substantial cost reductions to any facility, large or small.

Our brochure also clearly explains why automatic watering is actually better for your animals. And as proof we'll list more than 500 labs across the country where it is working and working well. Quite a lot for the price of a stamp.

Please
send me
the
brochure.



Name _____
Title _____
Firm _____
Street _____
City _____
State _____ Zip _____

Animal Automatic Watering Systems

hardco scientific
division of fieldstone corporation

1208 Omni Drive
Cincinnati, Ohio 45245

Circle No. 83 on Reader's Service Card

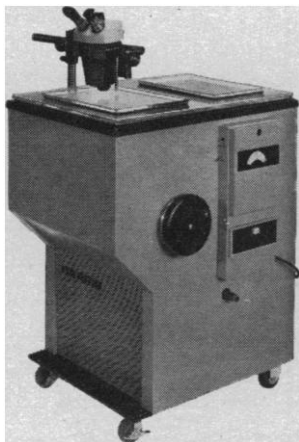
The First Wide Range Microtome-cryostat... Temperatures from -15°C to -50°C... Frozen Sections from 40 μ to 1 μ .

The Harris LoTemp model WRC is two microtome-cryostats in one. A single unit that can do both routine diagnostic procedures and such sophisticated research procedures as thin section light microscopy, autoradiography, fluorescence microscopy and other histological procedures, at a cost comparable to presently available routine cryostats.

The Harris model WRC is compact... can be moved anywhere it's needed. The cold chamber has extra room for tissue handling, storage or freeze drying. Full opening top with special access ports combines the features of a totally closed system with the easy accessibility of open top models.

Available equipped with Jung or International Equipment Corp. microtomes, or cryostat only prepared for installation of your present I.E.C. microtome. Installed stereo zoom microscope also available.

For a full description of the Harris WRC and its wide range of additional features write or call...



Harris Manufacturing Co., Inc.
308 River St., Cambridge, MA 02139
(617) 864-4000

Circle No. 84 on Readers' Service Card

Personnel Placement

POSITIONS WANTED

Biologists, Ph.D.'s, married couple. Immunologist/physiologist: postdoctoral experience in internationally recognized laboratory; interest in phylogenetic development of adaptive immunity; publications, teaching experience; seeks teaching/research position. Cell developmental biologist/biochemist: eight publications, extensive teaching experience; desires part-time teaching or research with future. Box 448, SCIENCE. X

General Manager, V.P., director, Ph.D. microbiologist: diversified experience—production quality control, R & D sales in health fields—diagnostics, biologicals, pharmaceuticals, chemicals. Desires management, applied research, Q.C., or academic administration position. Box 449, SCIENCE. 12/1, 8

Histologist/Anatomist, Ph.D. (zoology), 30. Teaching experience—7 years (first grade through medical school). Research interests varied but currently mammalian G.I. tract. Interested in challenging position with leadership opportunities. Box 450, SCIENCE. X

Microbiologist, Ph.D. Interested in undergraduate and graduate teaching. Seeks more vigorous department. Current grant and publications on phage genetics and medical microbiology. Box 451, SCIENCE. X

Molecular Biophysicist, Ph.D., 4 years' postdoc. (University of Chicago and Memorial Sloan-Kettering). Experience (publications) in structural studies of DNA, chromosomes and viruses by electron-light microscopy, polarized fluorescence and linear dichroism microspectrophotometry, spectrophotometry, spectrofluorometry, CD and ORD. Seeks research/research-teaching faculty position. Box 452, SCIENCE. X

Pharmacologist, 33, Ph.D., 1972 experience in neuropharmacology, interest in psychopharmacology seeks career opportunity with research-oriented organization. Box 453, SCIENCE. X

Physicist, Ph.D. 1972. Light scatterer. Diverse experience in laser excited light scattering, fluorescence and spectroscopy. Desires to apply background to challenging biologically or environmentally related research. Box 454, SCIENCE. X

Physicist-Engineer, M.S., with teaching, industrial, and national laboratory experience desires teaching position in physics or nuclear sciences at university, college, or junior college. Box 455, SCIENCE. X

Young Enthusiastic Ph.D. Strong but diversified background; physiological, biophysical ecology, engineering, postdoctoral research, and university teaching experience. Fearless innovator ready to tackle new areas. Résumé on request. Box 443, SCIENCE. X

POSITIONS OPEN

BIOCHEMIST Ph.D.

Biochemist Ph.D. experienced in endotoxin/bacterial cell wall research to initiate oral disease program. Candidates should have research proficiencies with wide experience in physical-organic research techniques or in the dental field. Send résumé to

Box 456, SCIENCE

BIOCHEMIST—M.Sc.

Research position determining biochemical mechanisms of platelet aggregation and their role in thrombosis—specifically platelet lipid analysis. Salary open. Send curriculum vitae, including names of references to: J. R. Carroll, Personnel, Mayo Clinic, Rochester, Minnesota 55901.
An Equal Opportunity Employer

DENDROCHRONOLOGIST

Research and teaching position with academic appointment available immediately at the College of Forest Resources, University of Washington. Required Ph.D. degree in forestry or botany and with training, experience, or interests in Quaternary and interdisciplinary studies.

Applications should be accompanied by a complete curriculum vitae, list of pertinent publications, and the names of three references. They should be directed to Dr. F. C. Ugolini, College of Forest Resources AR-10, University of Washington, Seattle, Wash. 98195.

POSITIONS OPEN

DEVELOPMENTAL NEUROBIOLOGY

We announce a faculty position in **Developmental Neurobiology**. Preference will be given to an established investigator. Departmental affiliation flexible. Nominal starting date, July 1973. Send résumé to Associate Professor Bruce Oakley, Chairman of the Search Committee, Zoology Department, University of Michigan, Ann Arbor, Michigan 48104. Race, sex, age, religion, and ethnic origin are immaterial.

HUMAN GENETICS UNIVERSITY OF SASKATCHEWAN SASKATOON, CANADA

Faculty positions available in established medical genetics unit in pediatric department. Clinical genetics interests with or without M.D. preferred. Write with curriculum vitae to

Dr. E. J. Ives
University Hospital
Saskatoon, Saskatchewan, Canada

LABORATORY TECHNICIAN B.S.

B.S. (biochemical or analytical) experience in separation and characterization of microbial glycoproteins or complex carbohydrates. Familiarity with fractionation and analytical techniques desirable. Send résumé to

Box 457, SCIENCE

MOSQUITO ECOLOGIST, Ph.D., to participate in laboratory research and field studies in Pakistan to assess genetic methods of mosquito control. Appointment for 2 to 3 years. Travel, housing, and American education for grade and high school dependents provided. Salary commensurate with training and experience. Submit curriculum vitae by airmail to:

Dr. Richard H. Baker, Director
Pakistan Medical Research Center
University of Maryland
6, Birdwood Road
Lahore, Pakistan

Chemist Female/Male

ORGANIC SYNTHESIS

Radio-labeled compounds

Position available in our radio-synthesis group at our Corporate Research Center in Bloomfield, for an MS/BS Organic Chemist with strong interest & proficiency in micro & semi micro organic synthesis. Required are 1-4 years of experience in the synthesis & characterization of organic compounds. Experience with chromatographic techniques & liquid scintillation analysis is desirable.

For further information & consideration, please direct a resume of your qualifications to:

Research Personnel

**SCHERING
CORPORATION**

60 Orange Street
Bloomfield, N.J. 07003

Applicants of all races are encouraged to apply.



TWO POSTDOCTORAL SCIENTISTS

Young postdoctoral research scientists from any part of Africa who are specialized in any of the following fields are required for an intensive research program on Tsetse Salivary Gland: experimental parasitology, immunology, biochemistry, and physiology. The Research Program will be starting as of 1 January 1973. Appointment will be for an initial period of 3 years. Salary not less than £2000 per annum. Other benefits will be detailed later.

ONE SENIOR TECHNICIAN

The Research Program on Tsetse Salivary Glands requires a highly trained laboratory technician in a number of techniques including photography, histology, biochemical techniques, and routine laboratory procedures. Only qualified Kenya candidates need apply. Salary not less than £1000 per annum.

Candidates who are interested in these openings should send their applications in six copies to the Director for Administration and Finance, P.O. Box 30772, Nairobi, Kenya, not later than 1 December 1972.

Research for the World Food Crisis

"... there is no equivalent collection of the separate contributions of plant science, animal science, soil science, and agricultural engineering to the phenomenal increases in post-World War II agricultural productivity."—*American Scientist*, January-February 1972, p. 91.

Fifteen distinguished scientists conclude that new methods and techniques will make it possible to meet the food needs of the world's rapidly increasing population throughout the 21st century.

Edited by Daniel G. Aldrich, Jr. 320 pages. 25 illustrations. 31 tables. Index. Retail price: \$12.50. AAAS member price when payment is sent with order: \$10. ISBN 087168-092-0.

Arid Lands in Transition

Scientists from 14 countries assess the changing conditions, the potential for development and possible solutions to problems of development of arid regions in 15 countries around the world.

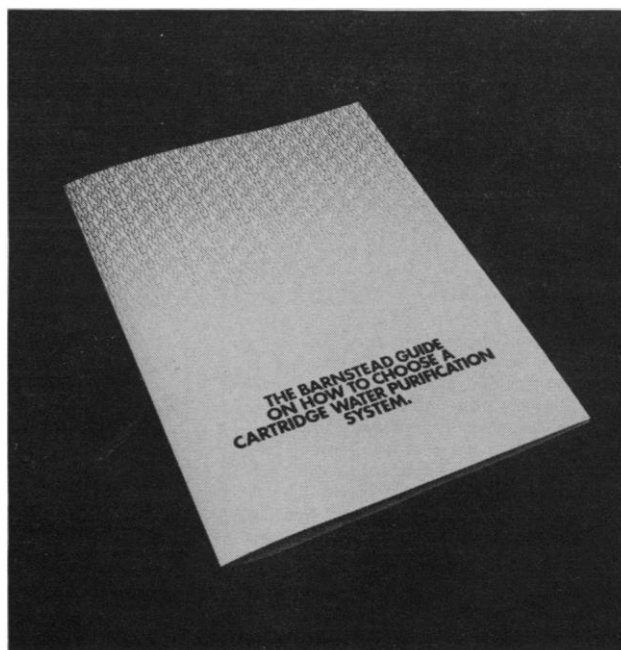
Aridity and high temperatures are dominant environmental factors for one-third of the world's land surface. Once looked upon as an easily exploited natural resource, the arid regions now are seen to need careful development if their great potential for mankind is to be realized.

Edited by Harold E. Dregne. 524 pages. 120 illustrations, 5 maps. Index. Retail price: \$15.75. AAAS member price when payment is sent with order \$13.50. ISBN 087168-090-4.



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

Send to
Dept.
P



How to choose the cartridge that removes oxygen from your water.

Our guide shows you how to choose the right cartridges from all the water purification cartridges we make. And we make more kinds that adapt to make more pure water systems than anyone else. Now choosing the right cartridges is as easy as using them.



BARNSTEAD
SYBRON CORPORATION

225 Rivermoor Street, Boston, Mass. 02132
Circle No. 91 on Readers' Service Card

UNIVERSITY OF WESTERN AUSTRALIA Perth

Applications are invited for the following appointment:

ANATOMY

LECTURER or SENIOR LECTURER in the Department of Anatomy. Candidates should be trained in the general area of gross anatomy and preference will be given to those whose primary interest lies in neuroanatomy, but persons with other specialized interests will also be considered. The appointee will be expected to participate in the teaching of medical and science students at undergraduate and more advanced levels.

Academic salaries are at present under review. The current salary ranges are: Senior Lecturer—\$A9540—\$A11130 p.a.; Lecturer—\$A6697—\$A9286 p.a. Benefits include superannuation similar to FSSU, fares to Perth for appointee and dependent family, removal allowance, study and long service leave, subsidized temporary accommodation and housing loan scheme.

Applications in duplicate stating full personal particulars, qualifications and experience should reach the Registrar, University of Western Australia, Nedlands, Western Australia 6009 by 16 December 1972. Candidates should request three referees to write immediately to the Registrar.

medical research

Due to a continuing program of expanding, our medical research capabilities at IIT Research Institute, we offer interesting growth opportunities in a variety of disciplines. As a member of our highly regarded independent contract research organization serving both government and industrial clients, your work and ideas will carry unusual impact.

medical microbiologist

Recent Ph.D. preferably with virology background, to participate in on-going research program in infectious diseases.

immunologist

Two or more years experience in immunologic and immunochemical methodology required to participate in on-going studies as well as initiate new research programs.

endocrinologist

Ph.D. with 2 or more years' experience, preferably in endocrine-related tumors or reproductive physiology.

Compensation is more than competitive; comprehensive benefits; liberal vacation policy. For full and confidential consideration, please send your resume, with salary history and requirements, to J. Feske.



**IIT
Research
Institute**

10 West 35th Street, Chicago, Ill. 60616
An equal opportunity employer (m/f)

NEUROBIOLOGIST

Faculty position in the Biology Department at a small eastern university. Active graduate program. Duties include teaching undergraduate and graduate courses as well as research. Candidates with a strong background in physiology preferred. Appointment will be made at the Assistant or Associate Professor level depending on qualifications and experience. Send curriculum vitae and three references to:

Box 458, SCIENCE
An Equal Opportunity Employer

Pulmonary Pharmacologist

Our expanding research programs have created an opening in the Department of Pharmacology for a recent doctoral level graduate or someone with several years of postdoctoral research experience in pulmonary physiology or pharmacology. Applicants should have a familiarity with current techniques and instrumentation to conduct experimental pulmonary function studies for use in drug research. Training in immunology or immunopharmacology would be desirable.

Syntex is an international research pharmaceutical company located on the San Francisco Peninsula.

Please send your resume to Mr. Karl O. McCalla, Employment Manager, Syntex Research, 3401 Hillview Avenue, Palo Alto, California 94304. We are an equal opportunity employer.

SYNTEX
Syntex Research

NEW ZEALAND

UNIVERSITY OF CANTERBURY CHRISTCHURCH

CHAIR OF ELECTRICAL ENGINEERING

The Council of the University invites applications from highly qualified engineers with a strong interest in postgraduate studies for a Chair of Electrical Engineering which is the second chair established in the Department. The appointee will take up his position on 1 February 1973 or as soon as possible thereafter.

At present the salary for a Professor is within the range of \$NZ11,698 to \$NZ14,947 per annum. The commencing or subsequent salary of the appointee may be increased as a result of the review of individual professional salaries which the University makes at the beginning of each year.

Particulars, including information on travel and removal allowances, study leave, housing and superannuation may be obtained from the Secretary-General, Association of Commonwealth Universities (Appts), 36 Gordon Square, London WC1H 0PF (Tel: 01-387-8572).

Applications close on 20 December 1972.

APPLICATIONS ARE INVITED for a faculty position: **Oncologist** at the assistant level. The successful candidate should have postdoctoral experience with a background in the area of oncogenic virus with some knowledge of the pathology of viral infections. The successful candidate will assist in developing the teaching and research programs in a new Department of Comparative Medicine. A letter of inquiry and curriculum vitae should be sent to **Dr. Alfred Edward, Chairman, Department of Comparative Medicine, School of Medicine, Wayne State University, Detroit, Michigan 48207.**

SENIOR & ASSOCIATE SCIENTISTS

(Mutagenicity)

SENIOR SCIENTIST to design and implement mutagenicity testing program; supervision and project reporting requires graduate training and experience in **MAMMALIAN GENETICS** and knowledge of experimental embryology.

ASSOCIATE SCIENTIST to conduct mutagenicity experiments and participate in the evaluation and reporting of results requires BS degree and training in **MAMMALIAN GENETICS** and dominant lethal assay experience desirable.

Modern laboratories in suburban location. Please send confidential resume to: C. Joseph Elder, Senior Employment Administrator

**SK
&F**

**SMITH KLINE & FRENCH
LABORATORIES**

1506 Spring Garden St.

Philadelphia, Pennsylvania 19101

Equal Opportunity Employer M/F

SCIENCE-MATH DIVISION CHAIRMAN

Small, rural, state liberal arts-teacher education college looking for an imaginative science-math division chairman who is committed to effective teaching. Duties would include half-time teaching in area of interest. Background in earth sciences or science education desired though consideration will be given to applicants in other areas, especially those experienced in interdisciplinary programs. Equal opportunity employer. Send resume to: **Jerome W. Knapczyk, Acting Chairman, Science-Math, Johnson State College, Johnson, Vermont 05656.**

TRANSPORT-ENDOCRINOLOGIST. Vacant position in this general area at the level of assistant or associate professor. Postdoctoral experience expected. Have funds for starting research assistant, supplies, and equipment. Write to **Dr. Adrian Hogben, Professor and Head, Department of Physiology and Biophysics, University of Iowa, Iowa City, Iowa 52240**, enclosing curriculum vitae and bibliography.

An Equal Opportunity Employer

VERTEBRATE BEHAVIORAL BIOLOGIST

Faculty position at the assistant or associate professor level for a zoologist in the area of vertebrate behavior. This position requires both teaching and research. Send resume and three references to:

**Chairman, Department of Biology
The University of Alabama
P.O. Box 1927, University, Alabama 35486
An Equal Opportunity Employer**

GRADUATE STUDY

Applications are invited for **predoctoral fellowships and traineeships** in a department of biochemistry with diverse interests. Inquiries to

**Director of Graduate Studies
Department of Biochemistry
College of Medicine
University of Kentucky, Lexington, Ky. 40506**

GRADUATE STUDY

POSTDOCTORAL FELLOW

To study enzymatic transmethylation and sulfuration reactions in the brain. Research institute affiliated with a southern university. \$8500 to \$9000.

Box 459, SCIENCE

GRADUATE STUDY IN IMMUNOLOGY, MICROBIOLOGY, VIROLOGY, AND MOLECULAR ONCOLOGY. A program leading to the Ph.D. degree involving course work and research training in the above specialties. Some predoctoral assistantships, USPHS traineeships; part-time jobs and loans are available. Prerequisites: U.S. citizenship and recent bachelor's degree in biology, chemistry or related field with B average or better. Early application for September 1973 is advised. Contact **Chairman, Graduate Admissions Committee, Department of Microbiology, University of Illinois at the Medical Center, 835 South Wolcott, Chicago, Illinois 60612.**

Student Fellowships available for U.S. citizens toward Ph.D. in Pharmacology. Diversified training related to the pharmacological and biochemical basis for drug action with emphasis on cancer therapeutics: inhibition of nucleic acid, protein and membrane components, enzyme activity regulation, coenzyme action and inhibition, basis for selective toxicity, pharmacokinetics in animals and cells, immunotherapy, immunosuppression, experimental chemotherapy, molecular pharmacology, hematology, preclinical and clinical pharmacology. Stipends start at \$2400 with dependency allowances. Write to **E. Mihich, Chairman, Graduate Pharmacology Program, Roswell Park Memorial Institute, Buffalo, N.Y. 14203.**

PREDOCTORAL FELLOWSHIPS IN PHYSIOLOGY. Training leading to the Ph.D. with special orientation in physiological control systems, cardiovascular, temperature regulation, endocrinology, cell physiology, and neurophysiology. Emphasis upon preparation for academic careers combining teaching and research. Stipends with tuition and dependency allowance available to qualified undergraduates in engineering, biology, chemistry, mathematics, or physics. A maximum of five new students accepted each year, maintaining a low student-adviser ratio. **Graduate Program Director, Department of Physiology, Loyola University, Stritch School of Medicine, 2160 South First Avenue, Maywood, Illinois 60153.**

COURSES

ELECTRON MICROSCOPY IN THE BIOLOGICAL SCIENCES

21 January to 2 February 1973
Northeastern University, 18th Session
An intensive 2-week residential program designed for postdoctoral level participants who have little or no training in electron microscopy but who wish to use it as a tool in their research. Emphasis is on practical laboratory aspects. For more information, write or call **Dr. Morton Maser, Northeastern University, 360 Huntington Avenue, Boston, Massachusetts 02115; 617-437-2600.**

SANTA CATALINA MARINE BIOLOGICAL LABORATORY

The Santa Catalina Marine Biological Laboratory is pleased to announce its 1973 Winter and Spring Programs to be offered at Santa Catalina Island:

3-23 Jan.: **Oil Pollution and the Marine Environment**

3 Jan.-6 Feb.: **Marine Ecology**

12 Feb.-17 Mar.: **Marine Botany and Physiology**

22 Mar.-25 Apr.: **Marine Invertebrate Zoology**

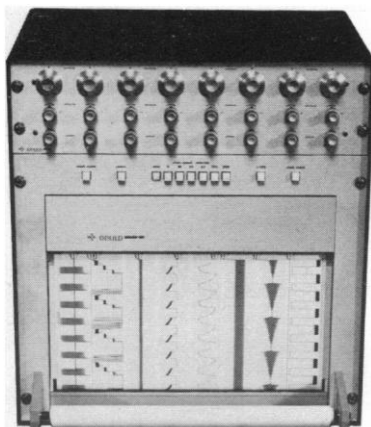
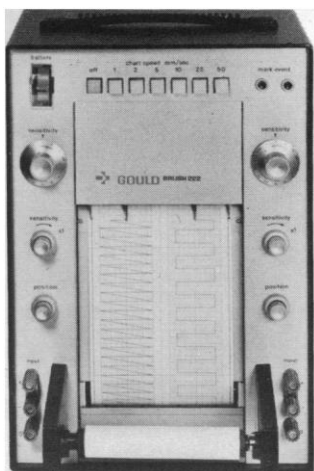
30 Apr.-2 June: **Developmental Biology of Marine Organisms**

A distinguished faculty has been engaged for these courses, all of which are offered at the graduate level. Registration is through the University of Southern California and is available to advanced undergraduates, graduates, and postgraduates.

Supplementing our formal course work, **INDEPENDENT or DIRECTED RESEARCH** may be pursued at any time of the year.

For additional information, write **Dr. Russel L. Zimmer, Santa Catalina Marine Biological Laboratory, P.O. Box 398, Avalon, California 90704**, or telephone area code 213, Avalon 811 (operator's assistance is required).

Why we think Brush biomedical recorders are your best choice.



WE HAVE WHAT YOU NEED.

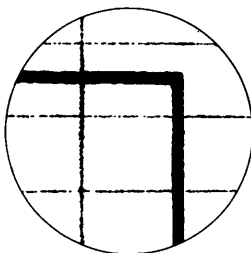
Choose from 1 to 8 channels on our high performance direct writing recorders. Or select a special purpose recorder from our complete line. We have an x-y recorder. A lightbeam oscillograph with up to 16 channels. And an 8-channel hi-speed multipoint. All with built-in Brush quality and dependability.

AN ADVANCED PRODUCT. Whichever Brush recorder you choose, you'll have the ability to monitor all the physiological parameters you need.

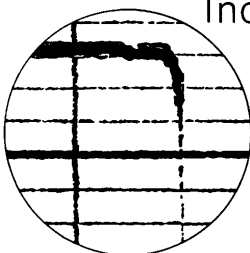
ACCURACY. It's guaranteed to 99.5% even over an 80mm chart span by our Metrisite® non-contact servo-loop feedback device.

CLEANEST TRACES. Our pressurized inking system eliminates smudges, smears, skips and puddles. Traces are actually forced into the paper, not just laid on top. So they're always crisp and clean.

Send for our 36 page full color catalog. Write Gould Inc., Instrument Systems Division, 3631 Perkins Avenue, Cleveland, Ohio 44114 or Rue Van Boeckel 38, Brussels, 1140, Belgium.



Our traces



Thermal traces



Universal Coupler

The AO® FluoreStar V20 is about the most compact microscope package you can use for fluorescence techniques. A mercury-vapor arc lamp is enclosed in the base with easy-to-reach light centration controls at front and side. All exciter, neutral density and barrier filters are contained in rotatable turrets for easy dial-in filter change convenience. And there's room for additional filters to suit your personal preference. Two condensers, allowing quick interchange from darkfield to conventional brightfield, assure multiple technique capability.

All this, plus the AO infinity-corrected optical system for outstanding contrast, resolution and color correction, gives you a lot of microscope in this little space.

For more information, see your AO representative or write for detailed literature.

TM Reg., American Optical Corporation

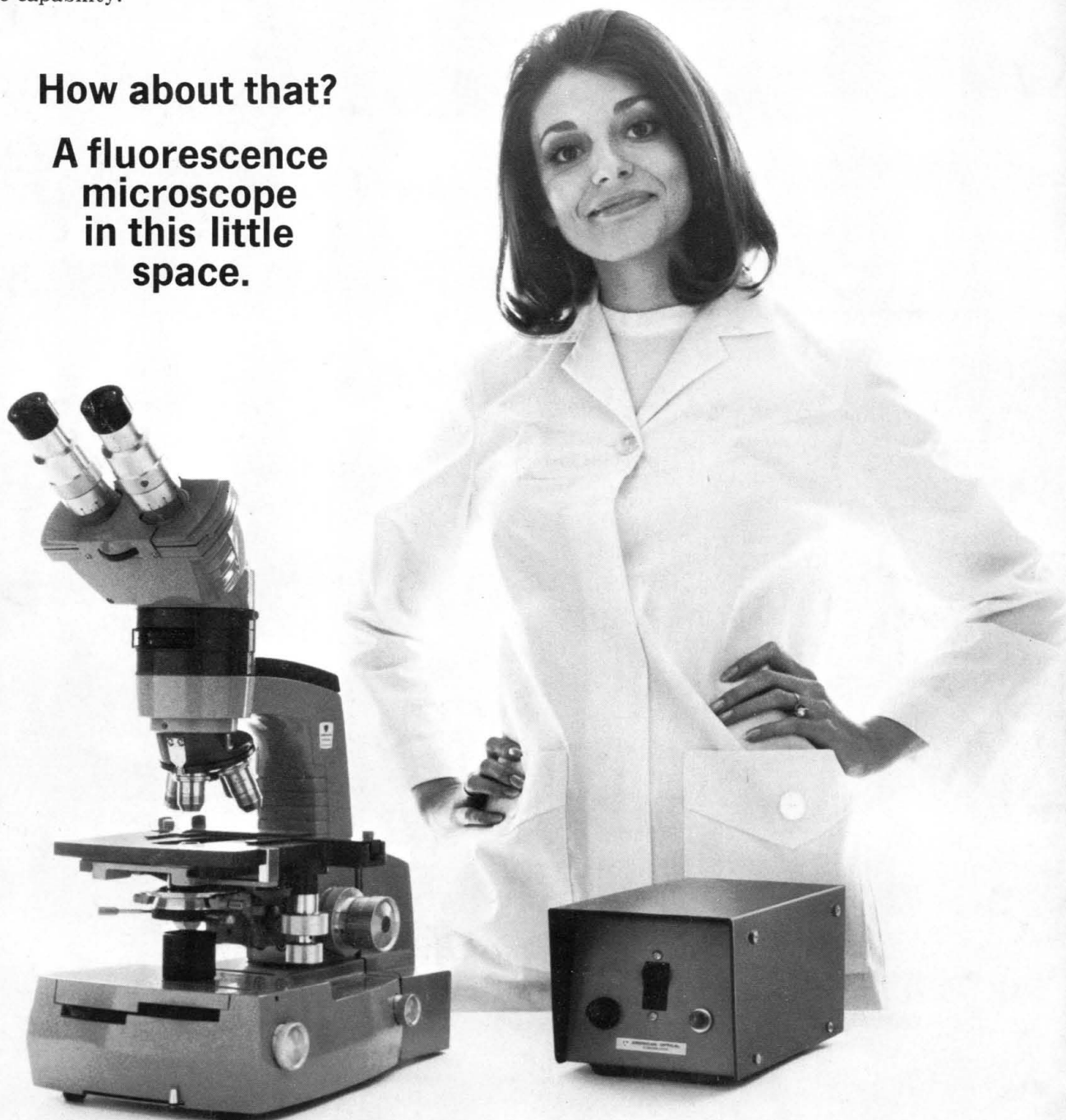


**AMERICAN OPTICAL
CORPORATION**

SCIENTIFIC INSTRUMENT DIVISION • BUFFALO, N.Y. 14215

How about that?

**A fluorescence
microscope
in this little
space.**



Circle No. 9 on Readers' Service Card