

Personnel Placement

POSITION WANTED: 40¢ per word, minimum charge \$10. Use of Box Number Counts as 10 additional words. Payment in advance is required. These rates apply to individuals only. Personnel agencies and companies take display rate for all advertising.

POSITIONS OPEN: \$110 per inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Ads over 1 inch will be billed to the nearest half inch. Payment in advance is required except where satisfactory credit has been established.

COPY for ads must reach **SCIENCE** 4 weeks before issue date (Friday of every week). Send copy for Personnel Placement advertising to:

SCIENCE, Room 211
1515 Massachusetts Ave., NW
Washington, D.C. 20005

Replies to blind ads should be addressed as follows:

Box (give number)
SCIENCE
1515 Massachusetts Ave., NW
Washington, D.C. 20005

POSITIONS WANTED

Biochemical Geneticist, Ph.D. Two years' postdoctoral. Most experience in fatty acid and sterol biochemistry (GLC) in yeast. Also enzyme, electrophoresis, and RNA experience. Publications. Seeks research position (postdoc. or industrial) for fall in new interesting field. Box 212, **SCIENCE**. X

Biochemical Geneticist (a), Cell Biologist (b). Husband and wife. Ph.D.'s 1968 and 1969. Both with college teaching, postdoctoral research experience, publications. (a) Research in biochemical/genetic basis of fungal morphology; teaching expertise in developmental biology, general biology, introductory genetics. (b) Research in control of normal/oncogenic state in cultured mammalian cells; teaching interests are somatic cell genetics and cell biology. Seek teaching/research positions. Box 213, **SCIENCE**. X

Biochemist, Ph.D., 40's. Strong business background. Experienced in administration, marketing, and research in biomedical area. Interested in challenging part-time or consulting position with either profit or nonprofit organization. Box 214, **SCIENCE**. X

Biochemist, Ph.D. 1969; 3 years' postdoctoral, 1 year of teaching. Experienced in enzyme purification and mechanisms, protein chemistry, lipids, organic synthesis. Publications. Seeking teaching and/or research. Charles Garner, 5516 Tartan, Orlando, Fla. 32807. X

Biologist-Biochemist, M.S. 1972. With one additional year of graduate study in biochemistry. Seeks teaching position in college or junior college. Box 215, **SCIENCE**. X

Cardiovascular Physiologist-Pharmacologist. Experienced teacher/researcher, age 38. Desires position in medical school, industry, or government. Published in area of congestive heart failure. Box 216, **SCIENCE**. 4/20, 27; 5/4, 11

Computer Science, Ph.D. Nine years of research and consulting experience. Specialization in real-time experiment data acquisition and control. Current applications in physics, biochemistry, and medicine. Lead industrial research group in computer control. Three years' senior/graduate level course responsibility in computer science. Desires academic or research position United States or Canada. Box 217, **SCIENCE**. X

Ph.D. Cytology, Electron Microscopy, Tumor Research, 12 years' experience university, government, excellent teacher, desires senior level challenging position. Box 174, **SCIENCE**. X

Experimental Psychologist. Recent Ph.D. Training in learning, ethology, and statistics. Computer and equipment skills. Research and teaching experience. Desires position in behavior modification, preferably with retarded children. Box 218, **SCIENCE**. X

13 APRIL 1973

POSITIONS WANTED

General Biologist/Instructional Technology, Instructional Design, Ph.D., 36 years old, with 14 years' experience, 9 at college and university level. Would prefer to work in developing undergraduate biology program. Dissertation was in undergraduate biology curriculum development. Prefer Southwest, West, or Midwest. Box 219, **SCIENCE**. X

Horticulturist/Plant Anatomist, Ph.D. Eight years of research/extension experience, publications. Desires challenging teaching/research position. Box 220, **SCIENCE**. X

Microbiologist-Immunologist, M.S. One year's experience in clinically applied research in immunology. Seeks applied or basic research, or research-teaching position in Philadelphia area. Box 221, **SCIENCE**. X

Microbiologist, Ph.D.; postdoctoral experience; publications. Seeks training in clinical microbiology. Box 222, **SCIENCE**. X

Ph.D. candidate (medical virology), enjoys motivating and communicating with students, seeks teaching position in microbiology. Lecture experience and broad science background. Available 1 June 1973. Box 93, **SCIENCE**. X

Ph.D. with Teaching Background in Genetics, Embryology, Behavior, Molecular Biology, and Statistics seeks challenging administrative position (teaching or research). Strong interdisciplinary interests. Administrative training and experience. Broad background in medical research. Many publications, grants, and graduate students. Box 202, **SCIENCE**. 4/13

Physical Chemist, Ph.D. 1964. Seeks research position dealing with biological problem. Six years' experience teaching and researching at major university. Expertise in the areas of spectroscopy, proteins, and solutions. Box 223, **SCIENCE**. X

Physiological Psychologist, M.S. with Ph.D. nearly completed. Considerable experience in brain electrical recording. Desires academic position. Interest area: brain electrical activity-behavior. Box 224, **SCIENCE**. X

Population Geneticist, fresh Ph.D. desires to teach/research. Box 225, **SCIENCE**. X

Reproductive Biologist, Ph.D., 37 years old. Research program currently funded and transferable. Teaching experience in endocrine anatomy and physiology, human gross anatomy and micro-anatomy. Seeks energetic, straightforward, research/teaching environment. Available 1 July 1973. Box 205, **SCIENCE**. 4/13

Science Editor, senior level. Experienced in all aspects of editing, rewriting, printing. Medicine, chemistry specialist. Box 206, **SCIENCE**. 4/13

POSITIONS OPEN

Applications are invited for a position in **FUNCTIONAL AND EVOLUTIONARY VERTEBRATE MORPHOLOGY** at the level of **Assistant Professor**, starting fall 1973. All qualified individuals, and especially women and members of minority groups, are invited to apply. Please submit a curriculum vitae, including a statement of research and teaching accomplishments and plans, with names and addresses of three references. Write to **Search Committee, Department of Zoology, University of California, Berkeley, California 94720**.

UNIVERSITY OF ROCHESTER

Available September 1973: **Six positions at Assistant Professor rank** (Ph.D. required). Successful applicants will be expected to assume responsibility for graduate and undergraduate teaching and to develop an active research program.

Appointment in College of Arts and Science. Department of Psychology, with specialization in (i) human learning and memory and (ii) community with clinical background.

Appointment in College of Education with joint appointment in Department of Psychology with specialization in (i) learning theory and application, instructional psychology, (ii) personality, socialization, developmental, and (iii) cognitive psychology, psycholinguistics, reading and language.

Appointment in College of Nursing, with joint appointment in Department of Psychology with specialization in human growth and development.

Send résumés and supporting materials to **Professor James R. Ison, % Mrs. J. Streh, Laboratories of Experimental and Physiological Psychology, University of Rochester, S & A Building, 575 Elmwood Avenue, Rochester, New York 14620**.

POSITIONS OPEN

UNIVERSITY OF CINCINNATI COLLEGE OF MEDICINE CINCINNATI, OHIO 45219

Faculty Appointments in Basic Science Departments.

Applications are invited from all qualified individuals with postdoctoral experience. Duties involve teaching medical students and graduate students. It is expected that successful candidates will develop independent research programs and supervise the training of Ph.D. students. Salaries are competitive.

Department of Biological Chemistry. Two positions at the Assistant Professor level. (i) Individual with research interests in application of virus or cell culture techniques to studying mechanisms of control of transcription and translation in mammalian cells. (ii) Individual with research interests in protein biochemistry and familiarity with modern instrumentation. Excellent opportunities exist for collaboration with clinical colleagues on medically oriented problems. Send applications to **Dr. Harry Rudney**.

Department of Physiology. Assistant Professor, preferably interested in respiratory or renal physiology. In addition to research ability, applicant must have genuine interest in medical and graduate teaching. Send applications to **Dr. Daniel L. Kline**.

Department of Anatomy. Assistant Professor. First preference to an individual with research interest in Gross Anatomy; second priority to those interested in Neuroanatomy. Send applications to **Dr. Roger C. Craffs**.

Department of Microbiology. Assistant Professor. Individual with expertise in electron microscopy, a broad knowledge of general microbiology, and a research interest in microbial structure and function. Send applications to **Dr. Herman C. Lichstein**.

The University of Cincinnati is an equal opportunity employer with an affirmative action program.

BIOCHEMIST-PhD

Enzymology/Immunochemistry

We are one of the nation's fastest growing Pharmaceutical companies with worldwide research efforts. We have a new research position available for candidate now completing his Ph.D. or finishing postgraduate training. The individual should have a strong organic chemistry background with research interests in the areas of enzymology and immunochemistry.

Our new research facilities are located on 110 acres in an attractive suburban area of New Jersey. If interested send curriculum vitae to Mr. Richard Groben.

Hoechst Pharmaceuticals, Inc.

a subsidiary of

**AMERICAN HOECHST
CORPORATION**



**Route 202-206, North
Somerville, N.J. 08876**

An Equal Opportunity Employer M/F

STRATIGRAPHER—An appointment as Assistant Professor to conduct advanced courses in stratigraphy and paleotectonics, and to direct student research in such fields as physical stratigraphy, stratigraphic correlation, biochronology, paleogeography.

TECTONOPHYSICIST—Applicant must have experience and a record of productivity in leading a research group in a broad area of tectonophysics and earthquake prediction. Duties will include teaching in materials science, mineral physics, plate tectonics. Academic rank will depend on candidate's experience and qualifications.

MARINE GEOPHYSICIST—Applicant must have experience and a record of productivity in marine geophysics including marine gravity, magnetism, and seismology. Duties will include direction of student research and teaching in submarine geology and geophysics. Academic rank will depend on candidate's experience and qualifications.

Qualified candidates are invited to submit a résumé of their qualifications, including field and laboratory experience, publications, names and addresses of three references by 1 June 1973 to

**Department of Geology
406 Schermerhorn Hall
Columbia University
New York, New York 10027**

An Equal Opportunity Employer

DRUG METABOLISM RESEARCH

Leading research organization has key position available on research staff for Ph.D. in biochemistry, or related disciplines, with minimum 3 to 5 years postdoctoral experience in drug metabolism research at least two of these at a supervisory level. Candidate will probably be #1 or #2 man in recognized drug metabolism research group. Applicant must have strong administrative potential to warrant serious consideration. Industry background preferred, but individuals with outstanding records in academia or government considered. Location Middle Atlantic. Base \$20,000.-\$24,000. plus 30-40% fringe. Send curriculum vitae including home or business phone to:

PACKARD ASSOCIATES
BOX 551, MANHASSET, N.Y. 10030

McGaw Laboratories, a growing manufacturing division of American Hospital Supply Corporation, producing intravenous solutions and plastic medical devices, is seeking bright individuals who are interested in a career opportunity in our Technical Dept.

MANAGER CHEMICAL CONTROL

Requires B.S. or M.S. in Chemistry with a maximum of 3 to 6 years experience in analytical chemistry, preferably pharmaceutical. Ability or experience to draft specifications for new drug products and to develop necessary methodology for assay of these products. This individual should be familiar with FDA regulations dealing with drug devices and manufacturing and with analysis of amino acids and rubber and plastic compounds. Prefer some supervisory experience with both professional and lab assistants.

MANAGER QUALITY ASSURANCE

Requires B.S. in Physical Science. Duties include design review, evaluation and analysis of failure modes of plastic medical devices. Entry level management position with some experience helpful in Q.C. or Reliability desirable.

MANAGER QUALITY CONTROL

Will assume full responsibility for carrying out policies and implementing control standards. Must currently have responsible administrative position in drug QC/QA and 7 to 10 years progressive experience in QC/QA and regulatory matters or FDA experience.

Send confidential resume and salary history to Director of Personnel.

MCGAW LABORATORIES



1015 Grandview Ave.
Glendale, CA 91201

An equal opportunity employer m/f



An Attractive Symbol of Membership

THE OFFICIAL AAAS EMBLEM

Lapel Buttons, Pins, Tie Bars and Charms

Gold-filled emblem
Scalloped gold border and lettering
Background in dark blue enamel
Torch in red enamel
Design as illustrated

Please accept my order for the emblem checked.

My check or money order in the amount of \$_____ is enclosed. Price includes postage.

☐ Lapel button \$2.00

☐ Tie Bar \$3.00

☐ Charm \$5.00

☐ Emblem \$2.00

☐ with clutchback

☐ Pin \$2.00

☐ Fellow key \$5.00

☐ Fellow pin \$5.00

(For AAAS Fellows only)

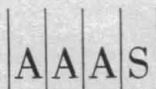
Name _____

Street _____

City _____

State _____

Zip _____



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

POSITIONS OPEN

AQUATIC MICROBIOLOGIST

Cawthron Institute
Nelson, New Zealand

To join small research group concerned with the microbiological and biochemical degradation of organic compounds in soil and water.

Applicants must have a Ph.D. in microbiology and/or biochemistry, be experienced in the use of radio tracers, and have proven ability to carry out creative, independent research on microbial transformations of organic materials in aquatic habitats.

Salary from NZ\$4864 to \$9913 depending on qualifications and experience. A superannuation scheme and travel assistance is available.

Applications (four copies), including a curriculum vitae, the names of three referees, and the date available to take up appointment should be addressed to the **Director, P.O. Box 175, Nelson, New Zealand**. Closing date 30 April 1973.

BIOMEDICAL ENGINEER/PHYSICIST

The Department of Engineering Physics, in conjunction with the Department of Medicine, is seeking applicants for a faculty position in biomedical engineering or physics. The appointment will be at the assistant or associate professor level. Candidates should have a Ph.D. in bioengineering or biophysics and be able to teach an introductory level course in this area, for example, an engineering and physical science approach to human physiology. The candidate will be expected to develop strong liaison between the faculties of engineering and medicine through interdisciplinary research and teaching.

Personal biomedical research interests are encouraged. In addition, it is desired that the candidate possess an interest in contributing to the Air Pollution Laboratory and in developing compatible research on the biological effects of air pollution. The Air Pollution Laboratory currently includes research on: air pollutant detection/discrimination; particle aerosol production and lung deposition/clearance of airborne particles; and gas distribution in lung passages and effects on pulmonary mechanics. Several other biomedical engineering research projects are growing on campus in the areas of biomaterials, biomechanics, biorheology, electrophysiology, and environmental science.

Applications should be accompanied by a curriculum vitae and list of references and mailed to:

**Chairman
Department of Engineering Physics
McMaster University
Hamilton, Ontario, Canada**

BUSINESS ANALYST FOR DIAGNOSTIC MARKETS

Analyst with biology/biochemistry background and knowledge of diagnostics (clinical chemistry, RIA, and so forth) needed to participate in market evaluation of business opportunities in this market-acquisitions/product line/additions/business plans/product R & D.

Analyst will interface with top management and participate in decision-making process. Person should be mature, like change/challenge, like to travel (15 percent), and work in an unstructured environment.

MBA and/or marketing research experience highly desirable.

Mr. MacIntosh will be interviewing candidates at FASEB Convention, 16-18 April, in Atlantic City, N.J. Contact us through Convention's Placement Service or at address below for appointment.

**G. D. Searle & Co.
P.O. Box 5110
Chicago, Illinois 60680
(312) 966-2920 Ext. 249**

CHAIRMAN AND PROFESSOR

Position available for 1 January 1974 in the Department of Anatomy, University of Michigan Medical School. Large department, good space and facilities, and firm support from general funds budget. Candidate will have responsibilities for supervising teaching of Gross Anatomy, Microscopic Anatomy, Embryology, and Neuroanatomy. Candidate must have distinguished record of research productivity with firm commitment to continuation of research. Must have record of research leadership and training of graduate and postdoctoral fellows. Administrative experience highly desirable. Candidate must present Search Committee with coherent and comprehensive plan for development of research and teaching programs for the Department. *Deadline for applications: 1 June 1973.* Send complete curriculum vitae and reprints to: **Chairman of Anatomy Search Committee, Dr. H. W. Davenport, Department of Physiology, University of Michigan Medical School, Ann Arbor, Michigan 48104.** A Nondiscriminatory Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT PROFESSORSHIPS—Undergraduate and master's level teaching/research. Ph.D. required. **Vertebrate Physiologist**—competent in human and/or vertebrate anatomy. **Microbiologist**—competent in immunology. **Parasitologist**—general and human, with broad undergraduate training. Send three letters of reference, curriculum vitae, and complete transcripts to **Dr. M. L. Bolar, Chairman, Department of Biological Sciences, California State University, Sacramento, Calif. 95819.** An Equal Opportunity Employer.

DEPARTMENT OF BIOLOGY HARVARD UNIVERSITY

Prior to 1 July 1974 this department expects to make an appointment at the assistant professor level. The field in which the appointment will be made is animal cell biology. The University is an equal opportunity employer; women and members of minority groups are specifically encouraged to apply. Please have three professional persons write us concerning you, and send your résumé, together with your most significant publications, to **Cell Biology Search Committee, Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, Massachusetts 02138.**

POSITIONS OPEN

CLINICAL LABORATORY TECHNICIAN

Challenging spot in central New Jersey. Animal research facility. B.S. degree required. Good hematology and clinical chemistry background. Send résumé to

Box 226, SCIENCE

DIRECTOR OF LIFE SCIENCES RESEARCH (ASCP)

Ph.D. with 10+ years of experience in developing and directing contract and grant research in fields of biochemistry, toxicology, microbiology, and so forth, required to assume directorship of ongoing \$1 MM+ annual operation. Good proposal writing ability and rapport with federal health agencies a must. Excellent opportunity to enter a growing R & D firm, in a pleasant southern location, at a top management position. *Equal Opportunity Employer.*

Box 210, SCIENCE

RESEARCH AT SCHERING

Senior/Ph.D. Level,
at Our
Corporate Research
Center
Bloomfield, N. J.,
near New York City

Schering, a worldwide pharmaceutical health care company, has long been noted for expansion of a vigorous and wide-ranging research program creating opportunities at senior levels. Schering emphasizes an environment that encourages fullest use of professional abilities, provides excellent facilities, staff contacts and support services.

Our New Jersey location affords a broad choice of suburban or urban living, with quick access to the New York region's educational, cultural and other resources. In confidence, resume or vitae may be directed to Research Personnel, and will receive immediate consideration, or—

Inquiries Are Invited

BIOCHEMIST

Ph.D. in Biochemistry. Experience in drug metabolism. Demonstrated ability to supervise the research of other scientists.

CHEMOTHERAPIST

Ph.D. in Microbiology. At least 1-3 years' industrial experience in chemotherapy of infectious diseases.

IMMUNOLOGIST

Ph.D. in Immunology or Pharmacology. Experience in the area of immediate hypersensitivity.

PATHOLOGIST

D.V.M. and Ph.D., or Board Certification in Pathology.

PHARMACOLOGIST

Ph.D. in Pharmacology. Academic or industrial experience in cardiovascular research (in cardiac arrhythmias or hypertension).

VETERINARIAN

Experience and training in laboratory animal medicine.

Contact a Schering representative at the FASEB Placement Service during the FASEB meetings, Atlantic City.



SCHERING CORPORATION

60 Orange Street, Bloomfield, N.J. 07003

Applicants of all races are encouraged to apply F/M

POSITIONS OPEN

DIRECTOR, MARINE SCIENCES RESEARCH CENTER, STATE UNIVERSITY OF NEW YORK AT STONY BROOK

Candidates should hold the Ph.D. degree or equivalent, and have demonstrated competence in Marine Sciences, Administration, and Management. The Director will be responsible for supervising and developing research programs associated with the multiple uses of the marine environment of New York State, and coordinating these programs with appropriate academic departments at Stony Brook. The Director will also be concerned with developing and encouraging specific relationships between state and other public agencies concerned with marine affairs in the coastal waters of the New York area. Send résumé, reprints of major publications, and list of references to: **Dr. R. F. Jones, Division of Biological Sciences, State University of New York at Stony Brook, Stony Brook, New York 11790.**

SUNY is an equal opportunity employer

UNIVERSITY OF OREGON, EUGENE

The Biology Department invites applications or nominations for an experimental, quantitative **ECOLOGIST**. The candidate should be actively engaged in research with terrestrial organisms or ecosystems. Duties will include teaching in ecology and general biology, and the guidance of undergraduate and graduate research. The successful applicant will be expected to develop a dynamic research program and attract outside support. The appointment will be at the assistant professor level; salary and facilities are negotiable. Application or nominations of women and minorities are encouraged. Send curriculum vitae, the names of at least three references, and list of theses and scholarly publications to: **Dr. Peter Frank, Box A, Biology Department, University of Oregon, Eugene, Oregon 97403.**

ELECTRON MICROSCOPIST: Candidate should be 1 to 3 years past the Ph.D. and doing research of interest to a botany as well as a plant pathology department. Documentation of academic capability and productivity through publications essential. Ability in teaching also necessary. Send curriculum vitae, three letters of recommendation, and a brief summary of research experience and objectives to: **O. L. Stein, Head, Department of Botany, University of Massachusetts, Amherst 01002.** UM is an equal opportunity employer and both women and minority candidates are urged to apply.

MEDICAL/SURGICAL PRODUCT DEVELOPMENT

Our Fortune-500 client in the health field seeks 2 innovative, extroverted product development people with degrees in one of the physical sciences. They must have some experience in product development and/or technical service in the non-woven, paper, or textile fields.

Broad-range functions, from ideation to test market: liaison with Manufacturing, Engineering and Marketing-staffs, as well as top management. Real growth potential.

Mid-Atlantic suburban location; good schools. Excellent compensation package. Client pays fee. Rush resume and salary history in confidence to:



**SAMPSON • NEILL
ASSOCIATES INC**
543 Valley Road
Upper Montclair, N.J. 07043
(201) 783-9600

*First In Executive Search
For The Health Industries*

POSITIONS OPEN

ELECTRON MICROSCOPIST/RESEARCH ASSOCIATE. B.S. or M.S. Basic research laboratory in membrane biology. High resolution TEM, freeze-etch EM, and SEM. Interest in development of techniques and applications desirable. Experience in immunotechniques helpful. Send résumé to: **Dr. C. R. Hackenbrock, Department of Cell Biology, University of Texas Health Science Center, Southwestern Medical School, Dallas, Texas 75235.** An Equal Opportunity Employer.

FACULTY POSITION—A senior level individual is sought with an active research program and publications in the field of molecular biology of tumor viruses and/or eukaryotic cells, particularly with an interest in regulation of cell division, growth, and differentiation. Teaching responsibilities include instruction in his field of specialty at the graduate and undergraduate levels. Reply to **Joseph Kates, Chairman, Department of Microbiology, Health Sciences Center, State University of New York, Stony Brook, New York 11790.** The Health Sciences Center is an equal opportunity employer and applications from members of minority groups or women are welcome.

FACULTY POSITION—Individual with postdoctoral training in research sought for assistant professorship. Research interest should be in general area of molecular biology, eukaryotic cells or their viruses. Teaching responsibilities will include instruction in molecular biology at the graduate and undergraduate levels. Reply to **Joseph Kates, Chairman, Department of Microbiology, Health Sciences Center, State University of New York, Stony Brook, New York 11790.** The Health Sciences Center is an equal opportunity employer and applications from members of minority groups or women are welcome.

BOWDOIN COLLEGE BRUNSWICK, MAINE GENETICIST—PLANT PHYSIOLOGIST

A small liberal arts college seeks a Ph.D. qualified to teach and direct undergraduate research in genetics and in plant biology. It is intended to appoint an assistant professor to this position, effective 1 September 1975. Applications and nominations are invited. The former should include a curriculum vitae with reprints of publications, names of suggested referees, and a letter containing a statement of teaching and research preferences, plans, and goals. The applicant must be prepared to accept administrative responsibility from time to time.

Please send applications and nominations to:

**James M. Moulton, Chairman
Department of Biology
Bowdoin College
Brunswick, Maine U.S.A. 04011**

Closing date: 31 January 1975, but appointment may be made earlier.

An Equal Opportunity Employer

MICROBIOLOGIST/ BIOCHEMIST

Stimulating career opportunity for Ph.D.-level researcher with graduate or postgraduate experience to work on intermediary metabolism in rumen anaerobes. Familiarity with electron transport and lipid-biosynthetic systems would be desirable.

Merck offers an optimum environment for creative energy . . . excellent compensation and fringes. For prompt consideration, send background data (including salary expectations) to: **W. T. Jackson**

MERCK & CO. Inc.
Rahway, New Jersey 07065
An Equal Opportunity Employer M/F

PHYSIOLOGIST

One-year nonrenewable sabbatical replacement to teach physiology, molecular biology, and advanced research physiology. Ph.D. preferred, in zoological physiology. Scholarly competence and teaching effectiveness required. Apply before 30 April to **Dean, Division of Science and Mathematics, University of Redlands, Redlands, Calif. 92373.** An equal opportunity employer.

POSITIONS OPEN

PROTEIN CHEMIST

A unique opportunity exists for a bright and creative chemistry or biochemistry graduate with a minimum of 5 years' research experience. The position involves isolating antigenic components from cancer tissue. Familiarity with chromatographic and radioisotope techniques is desirable.

We offer an attractive starting salary, an outstanding benefits program, and a modern suburban location.

For consideration, please forward complete résumé and transcripts to **HENRY J. HURST**

Merck Sharp & Dohme Research Laboratories

West Point, Pa. 19486

An Equal Opportunity Employer

RESPIRATORY PHYSIOLOGIST/ PHYSICIAN

Teaching, research, and director of Pulmonary Function Lab for clinic/hospital at the new medical school. **L. J. O'Brien, Department of Physiology, Texas Tech University School of Medicine, Box 4569, Lubbock, Texas 79409.**

GRADUATE STUDY

PREDOCTORAL ASSISTANTSHIPS IN PHYSIOLOGY

Excellent opportunities for graduate students leading to the Ph.D. Stipends and free tuition. Training and research in cardiovascular, cellular, endocrine, gastrointestinal, energy metabolism, neurophysiology, respiration, and transport physiology. Write for details to:

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

A limited number of stipends are available to graduate students in biochemistry at the University of Kentucky. Wide range of research interests within the department. Address inquiries to:

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

COURSES

ELECTRON MICROSCOPY IN THE BIOLOGICAL SCIENCES

17 to 29 June 1973

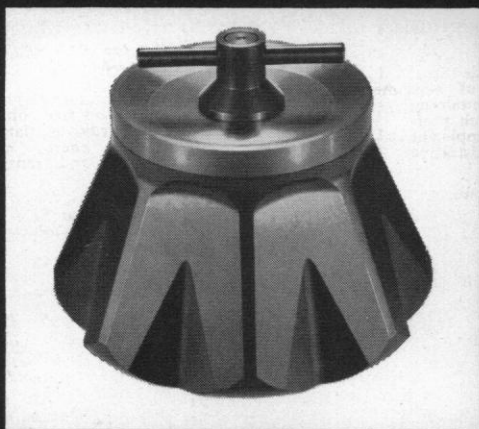
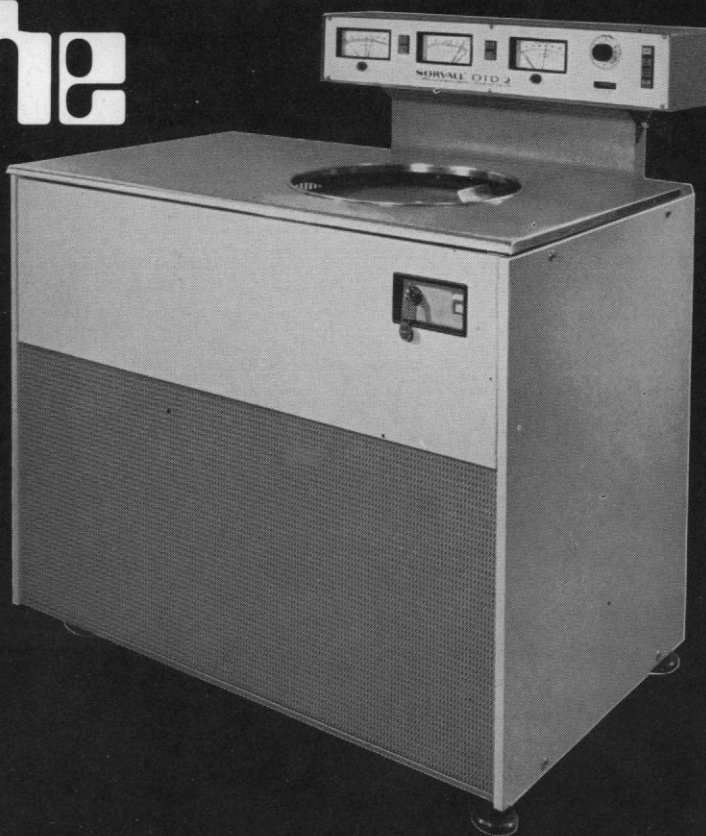
Northeastern University, 18th Session

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) 437-2608.**

TWO-WEEK SUMMER SEMINAR INTRODUCTION TO ELECTRON MICROSCOPY 23 July to 4 August 1973

Two-week intensive training seminar, Monday through Saturday, 9 a.m. to 5 p.m., on preparation of biological specimens, use of electron microscope, and associated techniques. Registration is limited to 15. Fee: \$70 New York State residents, \$140 non-New York residents. For application, write **Associate Professor Gertrude Mokotoff, Orange County Community College, Middletown, New York 10940.**

See Sorvall's ultra of the future at FASEB



Sorvall will introduce the new OTD-2 Ultra Centrifuge, with exclusive Oil Turbine Drive for longer life . . . plus Sorvall Ultra Rotors with shape-of-the-future design for top ultra performance.

The Sorvall OTD-2 operates with unmatched smoothness, stability and durability. Reason? Sorvall's exclusive, patented Oil Turbine Drive. The turbine has a minimum of moving parts and touches nothing but the fluid. This cuts vibration, friction and wear. Result: a remarkably long-lasting ultra with speeds up to 65,000 rpm and forces up to 424,000 x g. And Sorvall Ultra Rotors have the shape of the future — unique, new-as-tomorrow "sculptured" designs that eliminate needless weight and provide exceptional service in the ultra range. At FASEB Sorvall will unveil other surprises in centrifuges, too. Be sure to see them all!

Make a note now to visit Sorvall Booths #P-8,9,10 & 11 at FASEB.

SORVALL®

Ivan Sorvall, Inc., Newtown, Connecticut 06470

Write for Bulletin SC-40TD-2

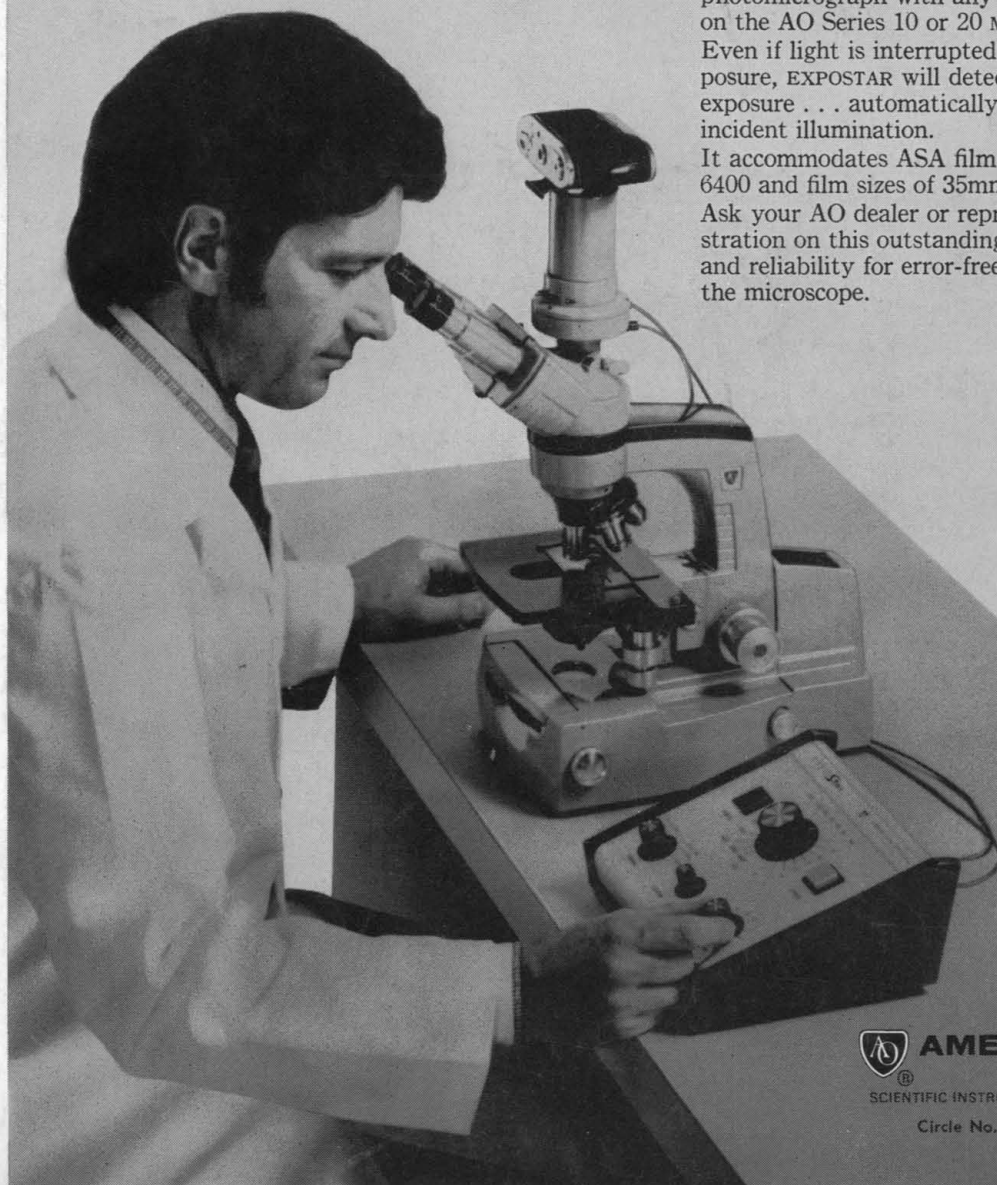
**Automatically corrects for
specimen density, light intensity
and film reciprocity to give you
a quality photomicrograph
for each exposure.**

AO EXPOSTARTM
SHUTTER CONTROL

assures unprecedented excellence in photomicrography. Eliminates test exposures, wasted film and the element of chance.

AO EXPOSTAR automatically integrates light intensity and film reciprocity with time to produce a quality photomicrograph with any type camera back fitted on the AO Series 10 or 20 MICROSTAR® microscope. Even if light is interrupted or changed during exposure, EXPOSTAR will detect and correct for proper exposure . . . automatically with transmitted or incident illumination.

It accommodates ASA film speeds ranging from 8 to 6400 and film sizes of 35mm., 3¼" x 4¼", and 4" x 5". Ask your AO dealer or representative for a demonstration on this outstanding achievement in ease and reliability for error-free photography through the microscope.



**AMERICAN OPTICAL
CORPORATION**

SCIENTIFIC INSTRUMENT DIVISION • BUFFALO, N.Y. 14215

Circle No. 17 on Readers' Service Card