

# Personnel Placement

## POSITIONS WANTED

**Animal Science, Nutrition, Biochemistry.** Ph.D., broad research and teaching experience. Desires job with emphasis on teaching in agricultural or related curriculum (animal husbandry, nutrition, chemistry, or biochemistry). Research in conjunction with teaching also considered, either in existing program or can develop own program. Box 383, SCIENCE. X

**Behavioral Population Biologist**, with research interests in Central American and temperate insects. Grants; 50 publications. Enjoys teaching. Seeks position with research and teaching. Box 384, SCIENCE. X

**Biochemist.** Ph.D. Postdoctoral experience. Publications. Strong background in analytical and organic. Extensive experience in analytical methods development, protein chemistry, GLC, chromatographic separations. Seeks academic, research, or R & D position. Box 385, SCIENCE. X

**Clinical Microbiologist**, Ph.D./M(ASCP), with 2 years postdoctoral bench experience at major midwestern hospital, seeks position as head of diagnostic microbiology laboratory. Would prefer position involving high degree of contact with clinicians and opportunities to improve quality of infectious disease patient care. Box 386, SCIENCE. X

**Freelance or Permanent**—Biochemical/medical editing, literature search, abstracting, coordinating, writing. Have M.S. in biochemistry and 20 years of related experience. Desire New York City location. Box 376, SCIENCE. X

**Husband-Wife Research Team.** Ph.D. biochemistry; Ph.D. physiology. Research experience in hemostasis and thrombosis, protein structure, enzyme mechanisms, molecular pathology-physiology. Teaching and administrative experience. Grants, publications, and so on. Seek relocation to cooperative environment. Box 387, SCIENCE. X

**Immunochemist/Protein Chemist.** Ph.D. 1962. Expertise in coagulation, fibrinolysis, immunoglobulin structure, RIA, HAI, sequence analysis experience. Seeks position in university or medical center. Salary, location open. Box 388, SCIENCE. X

**Pathology.** Ph.D., 1975, seeks postdoctorate or research training position, immunopathology or toxicology. Publications. Box 389, SCIENCE. 9/5, 12

**Plant Physiologist Biochemist.** Ph.D. Ten years in plant growth regulation, proteins, and nutrition. Administrative experience. Box 380, SCIENCE. 9/5, 12

**Senior Information Professional.** Ph.D. Extensive experience in planning, designing, operating user-oriented information systems in the areas of social sciences, social sciences, urban affairs, ecology; training of staff, development of publications. Box 390, SCIENCE. X

**Terrestrial Ecologist.** Ph.D. 1972, behavioral ecology. Teaching experience, 15 publications, birds, arthropods, theory, biological control. Prefers East or Gulf Coast. Box 391, SCIENCE. X

**Zoologist.** Ph.D. Desires teaching position. Interests include invertebrate zoology, limnology, aquatic microbiology, parasitology, embryology, comparative anatomy. Dr. Wilson, Rt. 2, Box 575, Russell Springs, Kentucky 42642. 9/5, 12, 19, 26

## POSITIONS OPEN

To direct tissue culture laboratory and conduct metabolic experiments related to atherogenesis. Desire Ph.D. at Assistant Professor level. *We are an equal opportunity, affirmative action employer.*

Send curriculum vitae, bibliography, and related information to:

Chairman, Department of Medicine  
University of Oregon Health Sciences Center  
Portland, Oregon 97201

## POSITIONS OPEN

The Department of Psychology, Washington State University, will have one or possibly more permanent openings for an ASSISTANT PROFESSOR in the Clinical Training Program either in the fall of 1975 or 1976. The positions would be full- or part-time academic positions emphasizing teaching, research, clinical supervision, and child clinical supervision. Applicants should state their areas of teaching, research, and clinical interest on their vitas. The closing date for receiving curriculum vitae for the temporary position will be 31 August 1975. The search for a person to fill the position permanently will continue until 1 March 1976. *Washington State University is an Equal Opportunity Employer.* To apply for the position send a curriculum vitae and recommendations from three referees to: Gary G. Galbraith, Director of Clinical Training, Department of Psychology, Washington State University, Pullman, Wash. 99163.

The Department of Mathematics, Texas A&M University, College Station, Texas 77843, is accepting applications for ASSISTANT PROFESSORSHIPS. Those who have earned the Ph.D. in mathematics by fall 1976 will be considered. Applicants should show outstanding research promise and ability in teaching, along with specialization in number theory, group theory, analysis or applicable mathematics, particularly combinatorics, differential equations, matrix theory, numerical analysis, or probability. *Texas A&M is an Equal Opportunity/Affirmative Action Employer.*

## ASSISTANT PROFESSOR, PHARMACOLOGY

A position in pharmacology is anticipated beginning January 1976. Areas of research interests and teaching responsibilities are open. All applicants should have a background from a medical school pharmacology department. Send curriculum vitae and names of references by 1 October 1975 to:

Dr. Lawrence K. Schneider, Director  
Division of Biomedical Sciences, AHS  
School of Medical Sciences  
University of Nevada  
Reno, Nevada 89507

*An Equal Opportunity/Affirmative Action Employer*

## ASSISTANT PROFESSOR OF PHYSIOLOGY

Applications are invited; basic teaching duties include instruction of small groups of medical students in organ systems physiology. Individual must be able to react productively with group working in membrane transport and have had experience with microperfusion of isolated sweat glands or renal tubules and micro-analytical methods, particularly x-ray emission spectral analysis. It will be necessary to obtain a major part of research funds and salary from extra university sources. Position available in academic year 1975-76. Curriculum vitae should be sent to Chairman, Department of Physiology, University of Pennsylvania, A-201 Richards Building, Philadelphia, Pennsylvania 19174.

## ASSISTANT/ASSOCIATE PROFESSOR OF PHYSIOLOGY

The Department of Physiology, School of Medicine, SUNY at Buffalo is seeking an M.D. or Ph.D. trained to conduct independent research on CNS sensory-motor interaction of higher species. Fully equipped laboratory, technical assistants, and research team already available. Send inquiries to Professor Werner K. Noell, Chief, Division of Neurobiology (Physiology), School of Medicine, State University of New York at Buffalo, Buffalo, N.Y. 14214.

*An Equal Opportunity/Affirmative Action Employer*

## ASSOCIATE DEAN—SCHOOL OF PHARMACY

The School of Pharmacy of the University of Wisconsin-Madison invites applications and nominations for the position of Associate Dean. The duties of this officer will include acting as deputy for the Dean, while providing administrative leadership in curriculum planning and program development, and coordinating School of Pharmacy activities with other campus units. Candidates should have an undergraduate education in pharmacy, a doctorate in a pharmaceutical field, experience in pharmaceutical education, and a strong interest in professional pharmacy. A capability for contributing to the teaching and research programs of the School is desired. Applications and nominations may be sent to Dean George Zograf, School of Pharmacy, University of Wisconsin, 425 North Charter Street, Madison, Wisconsin 53706.

*The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

University of California, Santa Barbara. ASSOCIATE OR FULL PROFESSOR OF ENVIRONMENTAL STUDIES AND CHAIRMAN OF ENVIRONMENTAL STUDIES. We are seeking an established scholar with some administrative experience. Distinction in research, preferably in an environmentally related field, is required. An enthusiasm and talent for administration is required since, in effect, the person appointed will chair a university department. Starting date: September 1976. Submit applications, including a curriculum vitae immediately and no later than 1 December 1975. Address correspondence to Professors Garrett Hardin and Roderick Nash, Co-chairmen, Environmental Studies Search Committee, Environmental Studies, University of California, Santa Barbara, California 93106. *An Equal Opportunity, Affirmative Action Employer. Minorities and women are encouraged to apply.*

## ASSISTANT PROFESSOR OF ENVIRONMENTAL HEALTH

A vacancy now exists for research and teaching in industrial hygiene. The applicant should have an engineering background and an advanced degree. Send résumés in confidence to Dr. Bernard E. Saltzman, Department of Environmental Health (Kettering Laboratory), University of Cincinnati, Cincinnati, Ohio 45267. Telephone: 513-872-5709.

*An Equal Opportunity Employer*

The University of Miami, School of Marine and Atmospheric Science, invites applications for a position as FULL OR ASSOCIATE PROFESSOR according to qualifications. The position requires some teaching on the graduate level in the general area of physical meteorology, but major emphasis is in the area of research and research instruction. Preference will be given to candidates with experience and interest in atmospheric and oceanic planetary boundary layer processes, though well-qualified persons in any area of experimental meteorology, including radiation, satellites, and so forth, will be considered.

The School operates a fleet of two ocean-going ships and several coastal craft. The position will be in the Division of Atmospheric Science, where the major research emphasis is on tropical and on climate-related problems and where current experimental resources include several Doppler radars, acoustic sounders, and so on. Close cooperation is maintained with local NOAA groups who also have extensive facilities.

Please address inquiries to the chairman of the search committee:

Professor E. B. Kraus

P.O. Box 249115

Coral Gables, Florida 33124

*An Affirmative Action/Equal Opportunity Employer*

Two positions, ASSISTANT PROFESSOR AND ASSOCIATE PROFESSOR, available. Ph.D., M.D., or equivalent degree required. Research and teaching experience in physiological and/or biochemical aspects of cardiovascular-autonomic pharmacology preferred. Send curriculum vitae, bibliography, reference names, and description of teaching experience and current research interests to Neil C. Moran, Chairman, Department of Pharmacology, Emory University, Atlanta, Ga. 30322. *An Equal Opportunity/Affirmative Action Employer.*

Opportunity for academically oriented health professional to become ASSOCIATE CHIEF OF STAFF FOR EDUCATION, Oklahoma City VA Hospital. Position is that of executive for education service, responsible for continuing education of health-related professionals in 463-bed general medical and surgical hospital located on Oklahoma Health Sciences Center Campus and affiliated with the University of Oklahoma (Colleges of Medicine, Health, Dentistry, Nursing). Education service will assume responsibility for (i) continuing education of health-related professionals, (ii) core educational resources of the institution, (iii) interdisciplinary coordination of (i) above with established undergraduate and graduate programs of the Colleges of Medicine, Dentistry, and Nursing, and (iv) research in evaluation of educative programs and their impact on clinical care. Desired attributes of individuals are a doctoral degree in a discipline having relevance to the endeavor (that is, education, sociology, medicine, psychology, hospital administration); a curriculum vitae reflecting experience in education and the health-care field commensurate with academic appointment in relevant college of the University of Oklahoma. Contact or submit curriculum vitae to Dr. Solomon Papper, Chairman of Search Committee, VA Hospital, 921 N.E. 13th Street, Oklahoma City, Oklahoma 73104.

## POSITIONS OPEN

**ASSOCIATE RESEARCH SCIENTIST POSITIONS:** (i) Ph.D. in biophysics plus related experience for carcinogenesis research project related to environmental cancer, utilizing experimental animal research. Position in environmental research laboratory in Sterling Forest. (ii) Biochemist, postdoctoral level for research program on enzyme regulation of lipid biosynthesis and cells in culture. (iii) Must have Ph.D. in biochemistry for research project in enzyme purification and protein chemistry. On all above, please send résumé, indicating which position you are applying for, to: Miss M. Kerans, Personnel Department, New York University Medical Center, 587 First Avenue, New York, N.Y. 10016. *Equal Opportunity Employer.*

### BIOMEDICAL ENGINEERING— FACULTY POSITION

Immediate opening for 2-year appointment as Visiting Assistant Professor in the Department of Electrical Engineering to participate in teaching and clinically oriented research. Minimum requirements are Ph.D. in biomedical engineering or electrical engineering with emphasis in biomedical engineering, research experience on the cardiovascular system, preferably at the postdoctoral level, and education and experience in physiology, control systems, and computer systems. The candidate should have demonstrated ability to participate in collaborative research and to interact successfully with physicians in clinical research.

Subject to the availability of funds and a suitable opening, the appointment may be converted to a permanent faculty position after the initial 2-year period.

Submit complete résumé and references to: Coordinator, Biomedical Engineering Program, Department of Electrical Engineering, University of Rhode Island, Kingston, Rhode Island 02881.

*University of Rhode Island is an Equal Opportunity/Affirmative Action Employer.*

### OREGON STATE UNIVERSITY

Applications are invited for Chairperson of the Department of Geology starting September 1976. Applicants should have demonstrated experience or potential in leadership and administrative responsibilities, a strong research background and teaching capabilities, and have the qualifications for rank of professor. Contact Dr. Keith F. Oles, Department of Geology, Oregon State University, Corvallis, Oregon 97331. Closing date: 2 January 1976. *Oregon State University is an Affirmative Action/Equal Opportunity Employer.*

### COMMUNITY NUTRITIONIST— CULTURAL GEOGRAPHER

The Departments of Nutrition and Geography, University of California, Davis, are seeking applications for a teaching-research joint appointment as Assistant Professor in the area of socio-cultural-regional aspects of community nutrition. In addition to undergraduate teaching capability in community nutrition, applicant must be able to teach culture and food habits, geography of food and nutrition, and a regional geography course in Far East, Near East, or certain other non-Western areas. The appointee would be expected to develop a long-term research program and guide graduate students in the area of cultural food habits as they relate to the nutrient intake of various ethnic segments of the population.

Qualifications: Doctorate in nutrition or geography with some training in the other field. Training in related disciplines may be considered if supported by research publications and field experience with ethnic minority subcultures.

Credentials including three letters of recommendation should be submitted to Professor W. C. Weir, Chairman, Department of Nutrition, University of California, Davis, California 95616. Telephone: 916-752-6650.

Applications received after 1 November 1975 cannot be assured of consideration.

*The University of California, Davis, is an Affirmative Action Employer.*

### DIRECTOR OF MEDICAL CENTER INFORMATIONAL SERVICES

Résumés are invited for position of Director of Informational Services at large medical teaching-patient care center. A solid academic and administrative background as well as a proven record of success in public relations, scientific journalism, and other informational services required. Salary negotiable. Send curriculum vitae and two (2) letters of recommendation to P.O. Box 855, Chapel Hill, North Carolina 27514.

*An Equal Opportunity Employer*

## POSITIONS OPEN

### CHAIRPERSON DEPARTMENT OF PATHOLOGY

The George Washington University Medical Center invites applications for this position. Full-time appointment with rank of professor and tenure. Experience in administration and teaching required. Development of strong research program desirable. Curriculum vitae should be sent to: C. R. Treadwell, Chairman, Pathology Search Committee, The George Washington University Medical Center, 2300 Eye Street, NW, Washington, D.C. 20037. *An Equal Opportunity/Affirmative Action Employer.*

### COMPUTERS IN MEDICINE

Faculty position in School of Medicine at rank of Assistant or Associate Professor to participate in teaching and research activities in the application of computer technology in health sciences. Applicant must be able to teach effectively in areas of data base concepts, information systems, or health record systems. Previous experience in medical or health care applications is essential.

Applications are encouraged from recent graduates and established faculty. Please reply to Dr. Robin Lake, Department of Biometry, University Hospitals, Cleveland, Ohio 44106.

*Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.*

### DEAN, COLLEGE OF GRADUATE STUDIES

The University of Delaware is seeking an outstanding scholar, with excellent credentials in research and in teaching at the most advanced levels, to serve as Dean of the College of Graduate Studies. Essential to the position is an awareness and sensitivity to current trends both in graduate education and in research within a variety of disciplines. Salary: competitive; available: September 1975. Send résumé and references to Dr. Roberta F. Colman, Chemistry Department, University of Delaware, Newark, Delaware 19711.

*An Equal Opportunity Employer*

### DIRECTOR, ACADEMIC SERVICES

Oberlin College wishes to fill the position of Director, Academic Services, in its Computing Center. The main duties and responsibilities include, but are not limited to, coordination of student and faculty computing services and the operation, maintenance, selection, and support of computing equipment, terminals, and related services. The Computing Center operates a Xerox Sigma 9 computer with over 40 terminals and a remote job entry station. The opportunity to teach exists for a qualified and interested candidate. As a minimum, the applicant should have a bachelor's degree or the equivalent. Salary \$15,000 to \$18,500 depending on experience and qualifications; excellent fringe benefits. Submit résumé by 15 September 1975 to: Don Mittleman, Director of Computing Center, Oberlin College, Oberlin, Ohio 44074.

*An Equal Opportunity/Affirmative Action Employer*

### DIRECTOR DIVISION OF HEMATOLOGY

Applications are invited for this position at the University of Nebraska College of Medicine. The University is seeking candidates with a strong academic background and with interests in patient care, teaching, and research. The Director reports to the Dean of the College of Medicine with interdepartmental relationships in internal medicine, pediatrics, and pathology. Rank and salary are open.

Applicants should submit a curriculum vitae to Michael F. Sorrell, M.D., Department of Internal Medicine, University of Nebraska Medical Center, 42 and Dewey Avenue, Omaha, Nebraska 68105.

*The University of Nebraska is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.*

**DIRECTOR, CELL CULTURE AND VIRUS PRODUCTION FACILITY.** The Washington University Basic Cancer Research Center is seeking a director to supervise the production of media, cultured cells, and viruses in a large tissue culture service facility. This position is available in late 1975. Salary is to be commensurate with experience; M.S. or Ph.D. is required. Send curriculum vitae and three letters of reference (or names of referees) to: Dr. Heschel Raskas, Department of Pathology, Washington University School of Medicine, 660 S. Euclid Avenue, St. Louis, Missouri 63110.

*Washington University is an Equal Opportunity/Affirmative Action Employer. Applications from women and minority groups are encouraged.*

## POSITIONS OPEN

Position available: **CHAIRPERSON** of Department of Zoology. Required: doctorate; experience in research, teaching, and administration; success and experience with granting agencies. Salary open. The department has 29 full-time staff, about 45 graduate students and 700 undergraduate advisees, and particular strengths in physiology, parasitology, and developmental biology. Application deadline: 15 January 1976. Send inquiries to John A. Mutchmor, Search Committee Chairman, Department of Zoology, Iowa State University, Ames, Iowa 50010.

**ELECTRON MICROSCOPISTS.** Two positions will be available in December 1975 at the Washington University Basic Cancer Research Center to operate a new electron microscopy central service facility. Applicants with expertise in biological preparations and analyses or in electron microscope engineering and maintenance are invited to send curriculum vitae and three letters of reference (or names of referees) to: Dr. Robert E. Thach, Department of Biochemistry, Washington University School of Medicine, 660 S. Euclid Avenue, St. Louis, Missouri 63110.

*Washington University is an Equal Opportunity/Affirmative Action Employer. Applications from women and minority groups are encouraged.*

### EXECUTIVE DIRECTOR HUNTSMAN MARINE LABORATORY ST. ANDREWS, NEW BRUNSWICK CANADA

Applications are invited for the above position.

Founded in 1970, the HML is a consortium of 21 universities and several government and private sector agencies. Primary aim is the promotion of teaching and research in the marine sciences. The HML also undertakes contract research, with one of the programmes in this area being conducted under the name of the North American Salmon Research Centre.

Salary and starting date negotiable, but hopefully the position should be filled by 1 July 1976 at the latest.

Applicants should submit a curriculum vitae and references to: Dr. J. M. Anderson, Chairman, Search Committee, Huntsman Marine Laboratory, St. Andrews, New Brunswick, Canada.

**FACULTY POSITIONS:** Teaching and research in Radiation Research Laboratory, University of Iowa, Department of Radiology. Send curriculum vitae and three references to J. W. Osborne, Radiation Research Laboratory, 14 Medical Laboratories, University of Iowa, Iowa City, Iowa 52242. *The University of Iowa is an Equal Opportunity Employer.*

### DEPARTMENT OF MICROBIOLOGY UNIVERSITY OF CINCINNATI COLLEGE OF MEDICINE CINCINNATI, OHIO 45267

Applications are invited for three faculty positions to start 1 July 1976. Responsibilities include teaching of medical students and participation in the graduate program. It is anticipated that successful candidates will develop independent research programs. Postdoctoral experience is essential for all positions and both rank and salary are open. Primary consideration will be given to individuals with competence in one or more of the following areas: (i) host-parasite relationships at the cellular level, (ii) virology, (iii) electron microscopy, and (iv) molecular genetics.

*Women and minority candidates are encouraged to apply.*

Send curriculum vitae, résumé of experience and goals, and three letters of recommendation to Dr. H. C. Lichstein, Head, Department of Microbiology.

### UNIVERSITY OF MASSACHUSETTS AMHERST FACULTY POSITIONS AVAILABLE PUBLIC HEALTH

Assistant, Associate, or Full Professor. Responsible for developing and strengthening environmental health program in areas of environmental sampling, evaluation and testing of environmental health systems, water and solid waste management, and environmental planning and management. Academic year. Salary commensurate with qualifications.

**Lecturer (two positions).** Responsible for coordination of field training of graduate students in biostatistics, epidemiology, and environmental health or in community health education and health administration. Salary \$14,000 to \$16,000. Calendar year. Positions available 1 September 1975: Résumé to William A. Darity, Director, Division of Public Health, Draper Hall, University of Massachusetts, Amherst, Mass. 01002. *An Equal Opportunity/Affirmative Action Employer.*

## POSTDOCTORAL TRAINING PROGRAM at the INSTITUTE FOR CANCER RESEARCH

"The goal of The Institute for Cancer Research is to advance knowledge about the causes of cancer and the methods for its prevention and cure. It is our belief that in order to accomplish this we must increase our knowledge of biological processes in general, from the molecular level to the intact organism, and of interactions of the organism with environmental and infectious agents. In our studies of both normal and neoplastic growth, we conduct research in many areas of biology and biochemistry, in viruses, cells, and many kinds of multicellular organisms, including man."

The Institute is now expanding its activities in training in basic sciences relevant for cancer research. It has fifteen traineeships, funded by the NIH, each to last for periods of up to two years. Applications are invited from U.S. citizens or non-citizen nationals with recent Ph.D.'s in physics, chemistry, biochemistry, immunology, microbiology, virology, pathology, genetics molecular biology, developmental biology, or cellular biology.

The comprehensive program will emphasize research in these fields and will include participation by trainees in special seminars and colloquia focussing on fundamental problems of cancer research. Stipends will be in accordance with NIH scale from \$10,000 per year, plus fringe benefits, limited travel and relocation.

To apply, send us your curriculum vitae and lists of publications. Also have the appropriate persons send directly to the Coordinator, transcripts of your undergraduate and graduate records and letters of recommendation from three persons acquainted with your scientific work to Dr. Thomas F. Anderson, Coordinator, Postdoctoral Training Program, The Institute for Cancer Research, 7701 Burholme Avenue, Philadelphia, Pa. 19111. The Institute for Cancer Research is an Equal Opportunity/Affirmative Action Employer. Trainees will be appointed each quarter for the next five years starting 1 October, 1975 and are subject to The National Research Service Act (Public Law 93-348).

## J. ROBERT OPPENHEIMER RESEARCH FELLOWSHIPS

The Los Alamos Scientific Laboratory is proud to announce the third annual competition for the J. Robert Oppenheimer Research Fellowships.

Candidates should be recent recipients of a doctorate in the physical sciences, natural sciences, mathematics, or engineering, who have demonstrated the ability to perform research of the highest degree of excellence.

The one to three year appointments carry an annual salary of \$22,500.00.

Closing date for the competition is November 3, 1975.



Inquiries should be directed to:

**R. Lynn Wilson,**  
Recruiting  
Supervisor  
Division C  
Los Alamos Scientific Laboratory  
P. O. Box 1663  
Los Alamos,  
New Mexico 87545

**AN AFFIRMATIVE ACTION/EQUAL  
OPPORTUNITY EMPLOYER  
U.S. CITIZENSHIP REQUIRED**

## THE OPEN UNIVERSITY FACULTY OF TECHNOLOGY



### PROFESSOR OF DESIGN

Applications are invited for the post of Professor of Design in the Faculty of Technology. This post offers, within the structure of the Open University teaching system, scope for the development of original and potentially significant contributions to design education—particularly non-specialist design education.

Applicants should have experience and expertise in design education, with a developed ability to teach non-specialist design, and preferably active research interests that relate design to the wider issues of technology, society and culture.

Salary in the normal professorial range, with membership of the Universities' Superannuation Scheme.

Further particulars are available from the Personnel Manager (PD8), The Open University, Walton Hall, Milton Keynes, MK7 6AA. Telephone Milton Keynes (0908) 63068.

The closing date for applications is 31st October, 1975.

# Population:

## Dynamics, Ethics, and Policy



If you are involved in any aspect of population research or policy planning, be sure to read *Population: Dynamics, Ethics, and Policy*.

This new compendium from AAAS contains articles, research reports, and policy debates that originally appeared in *Science* during a 10-year time span beginning in 1966. Taken together these papers give you

- a close look at population research as conducted and reported by such American scientists as Bernard Berelson, Ansley Coale, Kingsley Davis, Garrett Hardin, Amos Hawley
- a glimpse at the continuing debate between those who advocate the dissemination of contraceptives and those who advocate more drastic methods of population control

A serious perusal of these papers should stimulate some thought-provoking consideration of the need for an interdisciplinary and international approach to give us a firmer grip on the problems of population balance. A valuable addition to your personal or professional library, available in your choice of casebound or paperbound editions. Preface by Margaret Mead. Edited and with an introduction by Priscilla Reining and Irene Tinker.

Published by AAAS, 1975. viii + 184 pages. Casebound edition (ISBN 0-87168-214-1) retail price \$12.95; AAAS member price, prepaid \$11.95. Paperbound edition (ISBN 0-87168-225-7) retail price \$4.95; AAAS member price, prepaid \$4.45.

Send orders to Dept. PC-1  
**American Association for the  
Advancement of Science**  
1515 Massachusetts Avenue, N.W.  
Washington, D. C. 20005

## MEMORIAL UNIVERSITY OF NEWFOUNDLAND Canada

### FACULTY OF SCIENCE

#### HEAD OF BIOLOGY DEPARTMENT

The Memorial University of Newfoundland requires a Head for the Department of Biology for September 1976. Applicants should have demonstrated ability in teaching and in research, and have administrative experience. The appointment will be made at the level of Full Professor. The Biology Department has 26 full-time faculty members with varied research interests, and offers undergraduate and graduate programmes to the Ph.D. level.

Address applications or requests for further information to Dr. D. H. Rendell, Associate Dean of Science, Memorial University of Newfoundland, St. John's, Newfoundland A1C 5S7, Canada. Applications should be received by **4 October 1975**.

## POSITIONS OPEN

### GENETICIST/PLANT BREEDER

Assistant Professor of Genetics and Plant Breeding. Ph.D. required. Half-time teaching and half-time research. Salary determined by qualifications. For information and application forms contact C. I. Seely, Department of Plant and Soil Sciences, University of Idaho, Moscow, Idaho 83843. Closing date for applications: 13 October 1975. *An Affirmative Action/Equal Opportunity Employer.*

**GROSS ANATOMIST WANTED.** The Department of Anatomy at Stanford University seeks an experienced individual for a 3-year appointment with responsibilities in organizing gross anatomy courses for medical, paramedical, and undergraduate students. Academic appointment may be as assistant or associate professor or adjunct professor, depending upon qualifications. Candidates should be experienced in the teaching of anatomy and preferably have some background in course supervision. Ability to contribute to teaching in other areas of anatomy is welcome. Teaching activities will comprise majority of time during academic year; research and/or administrative interests also highly desirable. Interested candidates should send curriculum vitae and references to: Dr. L. H. Mathers, Jr., Department of Anatomy, Stanford University School of Medicine, Stanford, California 94305. *Stanford University is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.*

**NEUROANATOMIST.** Assistant Professor in Anatomy to participate in integrated neuroscience program for medical students. A Ph.D. in anatomy with postdoctoral experience or M.D. with strong research postdoctoral experience is preferred. The candidate should be capable of developing an independent research program, preferably in the cell biology or fine structure of the CNS. Starting date can be as early as 1 January 1976. If interested, send curriculum vitae, three references, and statement of future plans to: Dr. Duane Belt, Department of Anatomy, Tufts University School of Medicine, 136 Harrison Avenue, Boston, Mass. 02111. Deadline for receipt of applications is 30 November 1975. *An Affirmative Action/Equal Opportunity Employer.*

### PHYSIOLOGIST/CELL BIOLOGIST

Research position available for recent Ph.D. to work on physiologic and morphologic problems of epithelial transport. Send curriculum vitae and names of two references to: Vincent A. DiScala, M.D., Chief, Renal Service, U.S. Public Health Service Hospital, Staten Island, New York 10304.

### POPULATION AND/OR QUANTITATIVE GENETICIST

The Department of Genetics, University of Alberta, invites applications for a position of Assistant or Associate Professor, available 1 July 1976.

The applicant should demonstrate accomplished research in theoretical population and/or quantitative genetics, and be able to teach introductory genetics, and population, quantitative, and biometrical genetics at a more advanced level.

Submit a letter of application with curriculum vitae, description of current research interests, list of publications, and names of three potential referees to: R. C. von Borstel, Chairman, Department of Genetics, University of Alberta, Edmonton, Alberta, Canada T6G 2E9.

Applications received after 15 December 1975 will be considered only if no well-qualified candidate has been found by that date.

**POSITION AVAILABLE IMMEDIATELY:** Assistant Director of Erie County Laboratory, Public Health Division, Buffalo, New York (\$20,316 to \$25,288). Faculty appointment in the Department of Microbiology, School of Medicine, State University of New York at Buffalo, at the rank of Assistant or Associate Professor negotiable. M.D., Ph.D., or equivalent with extensive postdoctoral training. Expertise in medical microbiology and serology, experience in public health laboratory problems. Should assist the director in the administration of the Public Health Laboratory, supervise performance of laboratory procedures, participate in teaching, conduct and encourage research activities. Address inquiries, including curriculum vitae and letters of recommendation, to: Dr. Felix Milgrom, Professor and Chairman, Department of Microbiology, 203 Sherman Hall, State University of New York at Buffalo, Buffalo, N.Y. 14214. *Erie County Laboratory is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

Department in large midwestern university has several openings in **ONCOLOGY RESEARCH PROGRAM**. Interested in persons with expertise in antigen isolation and characterization, enzymology, and tumor immunology. Appointments will be commensurate with experience at either postdoctoral or faculty level. Box 374, SCIENCE.

### POSITION OPEN

Revco Inc., a manufacturer of refrigerated medical products, has an opening for a person willing to travel extensively to collect and compile information of present and new products. Applicants must be self-motivated and able to communicate with all levels of professional people. A marketing aptitude with ability to transfer ideas and information onto paper is a must. Because of contact with research scientists a Ph.D. degree in biological sciences or a related field is highly desired. Box 394, SCIENCE.

### POSTDOCTORAL POSITION AVAILABLE

Available immediately for recent Ph.D. with background in particulate (aerosol) physics and/or chemistry and some background in air pollution meteorology to participate in field research on characterizing physical and chemical properties of emissions of major air pollution sources and their impact. Starting salary \$12,000. Send résumé applications with two references to:

Dr. Gerhard W. Israel, Professor  
Meteorology Department  
University of Maryland  
College Park, Maryland 20742

### POSTDOCTORAL POSITION

A 2-year postdoctoral research position is available for a cell biologist with biochemical experience to examine immunobiology of macrophages. Send curriculum vitae to:

Dr. Leonard Weiss  
Department of Experimental Pathology  
Roswell Park Memorial Institute  
666 Elm Street  
Buffalo, N.Y. 14263  
*An Equal Opportunity/Affirmative Action Employer*

**POSTDOCTORAL POSITION** available for recent Ph.D. with strong background in protein chemistry to study structure and function of membrane protein. Send references and résumé to Dr. H. C. Wu, Department of Microbiology, University of Connecticut Health Center, Farmington, Conn. 06032.

*An Equal Opportunity Employer M/F*

### POSTDOCTORAL FELLOWS

Large, sophisticated biomedical and environmental research-oriented laboratory located in the Northeast seeks highly motivated, research-oriented postdoctorals. Salary open, depending on experience. Possible long-term appointment. Positions available in toxicology, neurochemistry, environmental chemistry, environmental microbiology, immunology, biochemistry, virology, and bacteriology.

Box 393, SCIENCE

**POSTDOCTORATE**—To work on the enzyme chemistry of 5-thio-D-glucose and its derivatives and action as a male antifertility agent and as an antiparasitic agent. Available immediately. Details from Roy L. Whistler, Department of Biochemistry, Purdue University, West Lafayette, Indiana 47907. *Equal Opportunity/Affirmative Action Employer.*

### POSTDOCTORAL POSITIONS

Available September for 1 year, with possibility of 1-year extension. Research areas include synthesis, modification, and bioassay of heterocyclic compounds, steroids, and polynucleotides; tissue culture studies including mechanism of action of chemotherapeutic agents; carcinogenesis. Applicants must be recent Ph.D.'s and be American citizens or hold permanent visas. Send résumé and two letters of recommendation to Dr. A. J. Solo, Department of Medicinal Chemistry, School of Pharmacy, State University of New York at Buffalo, Buffalo, N.Y. 14214.

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## POSITIONS OPEN

**ORAL BIOLOGY.** The School of Dental Medicine, University of Connecticut, is seeking applicants for Chairman of the Department of Oral Biology. Candidates should have doctoral degree (D.D.S., Ph.D., M.D.), an extensive background in research, administrative abilities, and teaching experience. Salary commensurate with training and experience. Submit curriculum vitae to Dr. Howard L. Bailit, Search Committee Chairman, School of Dental Medicine, University of Connecticut, Farmington, Connecticut 06032. *An Equal Opportunity Employer.*

**POSTDOCTORAL POSITION OPEN IN TUMOR CELL KINETICS.** Immediately available. Work concerns effects of cancer chemotherapy drugs on tumor cell kinetics and cell survival in vivo and in vitro. Experience in cell kinetics techniques helpful. Send résumé with three references to:

Dr. S. C. Barranco  
Division of Cell Biology  
Department of Human Biological Chemistry  
and Genetics  
The University of Texas Medical Branch  
Galveston, Texas 77550  
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### POSTDOCTORAL, ALCOHOL RESEARCH TRAINING

Two immediate openings for Postdoctoral Research Training in Alcohol Studies: one for Prevention Research, one for Treatment Outcome Research. Stipend \$10,000 to \$13,200 depending upon experience. No tuition or fees required. U.S. citizen or applicant for same. Three years maximum award. National Research Service Award includes service payback requirement. Write for information, or send curriculum vitae and three references, to: Mark Sobell, Ph.D., Department of Psychology, 134 Wesley Hall, Vanderbilt University, Nashville, Tennessee 37240.

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**POSTDOCTORAL RESEARCH ASSOCIATE/ASSISTANT PROFESSOR IN RESEARCH.** Position available October 1975 for studies of dynamics of biochemical processes; electron-transport; conformational-functional relationships. Background of kinetics ORD/CD, biochemistry of electron-transport system and knowledge of electronics and computer desirable. Salary \$8,000 to \$14,000. Initial appointment for 1 year. Send résumé and three letters of recommendations to:

Dr. Yash P. Myer  
Department of Chemistry  
State University of New York at Albany  
Albany, N.Y. 12222

**POSTDOCTORAL RESEARCH POSITIONS** available at the Jules Stein Eye Institute, University of California, Los Angeles. Salary range is \$10,000 to \$10,400 for a 2-year period. Research projects deal with structure, function, and metabolism of retinal pigment epithelium and visual cells, analyzed by electron microscopy, autoradiography, and related techniques. Experience with electron microscopy and cell biology and an interest in vision research are desired qualifications. Send curriculum vitae, names of two references, and a brief summary of research experience and goals to Dr. Richard W. Young or Dr. Dean Bok, Jules Stein Eye Institute, University of California School of Medicine, Los Angeles, Calif. 90024. *An Equal Opportunity/Affirmative Action Employer.*

### POSTDOCTORAL/RESEARCH ASSOCIATE

Immediately available in laboratory involved in development of concepts in combination chemotherapy, regulation of pathways of DNA precursors, and mechanisms of action of anticancer agents. Applicants should have background in biochemical pharmacology or biochemistry with knowledge of antimetabolites. Starting salary is up to \$13,400 (plus fringe benefits). Send curriculum vitae and three references to:

Dr. Gerald B. Grindley  
Department of Experimental Therapeutics  
Grace Cancer Drug Center  
Roswell Park Memorial Institute  
666 Elm Street  
Buffalo, New York 14263

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## N.I.H. POST-DOCTORALS

### Bio-Chemistry, Molecular Biology, or Related Disciplines

The University of California's Lawrence Livermore Laboratory has two post-doctoral fellowships available under the National Research Award program of the National Institutes of Health, for the continuing training of scientists in the field of plasma lipoproteins. Applicants should be Ph.D.'s or M.D.'s with no more than two years of relevant post-doctoral experience. Research will involve lipoprotein isolation, structure, and function under controlled physiological and nutritional states as a function of genetic variables and atherogenesis. Emphasis will be on structure and biological function of the apolipoproteins and their role in the structure of lipoproteins. Please send your curriculum vitae to:

Mr. Arthur L. Henry  
Personnel  
Department  
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Livermore, CA 94550



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If interested submit Standard Form 171, Personal Qualifications Statement or detailed resume, and list of publications and references to:

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- (2) Light-driven ion fluxes in chloroplasts & synthetic membranes containing photochemical reaction centers. 1- or 2-year appointments.

Send résumé to:

**Dr. Geoffrey Hind, Biology Dept.**



**Brookhaven National Laboratory**  
Associated Universities, Inc.  
Upton, Long Island, N.Y. 11973  
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**PROFESSOR OF CHEMISTRY.** The Chemistry Department of State University of New York at Buffalo anticipates making a tenured appointment in **Organic Chemistry** for September 1976, probably at the level of professor. The successful candidate will have to have an established reputation of excellence in teaching and research. Interested persons should send a résumé and provide the names of at least three references to **Chairman, Organic Search Committee, Department of Chemistry, State University of New York at Buffalo, Buffalo, N.Y. 14214.**

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### PROFESSOR AND CHAIRMAN DEPARTMENT OF IMMUNOLOGY AND MEDICAL MICROBIOLOGY

The University of Florida College of Medicine, Gainesville, Florida, is seeking to fill the Chairmanship of the Department of Immunology and Medical Microbiology (formerly Microbiology).

Candidates must have highest degree in their field, be an experienced teacher and an established scientist of national stature. Preferred fields include but are not limited to immunogenetics, experimental parasitology, or virology. Address inquiries to **Richard T. Smith, M.D., Chairman, Search Committee, Department of Pathology, P.O. Box J-275 JHMC, College of Medicine, University of Florida, Gainesville, Florida 32610.**

*The University of Florida is an Affirmative Action/Equal Opportunity Employer.*

The University of Minnesota Medical School invites nominations and applications for the position of **PROFESSOR AND HEAD** of the Department of Neurology. This position requires a Board-certified neurologist with substantial, demonstrated teaching, research, and administrative abilities to provide leadership in a large academic department. Inquiries, including a curriculum vitae, should be sent to **Dr. Shelley N. Chou, Chairman, Search Committee, Department of Neurosurgery, B-590 Mayo Building, University of Minnesota Medical School, Minneapolis, Minnesota 55455.** *An Equal Opportunity/Affirmative Action Employer.*

**RESEARCH ASSOCIATE.** Ph.D. in cell biology or biochemistry to study nucleic acid and protein metabolism in irradiated cells in relation to biochemical repair. Available September 1975. Send curriculum vitae and three references to: **N. L. Oleinick, Ph.D., Division of Radiation Biology, Case Western Reserve University, Cleveland, Ohio 44106.** *An Equal Opportunity Employer.*

**RESEARCH ASSOCIATE**—general field, hemostasis and thrombosis. Molecular biology. Special reference to enzyme preparation, properties, structure, biological activity. Appointment for 1 or 2 years and may be extended. Preference to those wanting career development opportunity. Résumé and names of references may be sent to **Chairman, Physiology Department, Wayne State University School of Medicine, 540 E. Canfield, Detroit, Michigan 48201.** *An Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

**THE DEPARTMENT OF PSYCHOLOGY** of the University of Wisconsin-Madison invites applications for two or three appointments at the level of Assistant Professor to begin in the fall of 1976. Applicants with the following specializations will be considered: (i) Physiological psychologist with specialization in sensory physiology. (ii) Physiological psychologist with specialization in CNS anatomy. Applicants for these positions should have training in electrophysiological recording. (iii) Developmental psychologist with specialization in social behavior and personality. (iv) Developmental psychologist with specialization in perceptual development. (v) Clinical psychologist with special interest in psychopathology of children. Applicants should send curriculum vitae and other supporting information to **Chairman, New Personnel Committee, W. J. Brogden Psychology Building, University of Wisconsin, Madison, Wisconsin 53706.** *The University of Wisconsin is an Affirmative Action Employer.*

### RESEARCH DIRECTOR

A leading European antibiotic manufacturer seeks an M.D.-Ph.D. with sound scientific background in biochemistry emphasis. All replies handled confidentially.

**Box 392, SCIENCE**

Small, university-associated, cancer research institute seeking **SENIOR INVESTIGATORS** for group leadership in tumor virology or immunology. Excellent new facilities, superior animal resources, and active programs in chemotherapy and biochemistry. Applicants must have a funded, staffed team capable of relocation. Salary of senior investigator will be underwritten and commensurate with experience. Reply to **Director, Life Sciences Center, Nova University, College Avenue, Fort Lauderdale, Florida 33314.**

*An Equal Opportunity Employer*

**SOIL SCIENTIST:** An experienced senior soil physicist with competence in continuum mechanics, thermodynamics, and theory of fluxes through porous media and plant systems to structure and solve research problems in dynamics of soil-water-plant systems with emphasis on modeling of irrigation/salinity systems and plant growth; design experiments to verify theory; devise theory that permits design of feedback systems for irrigation management. Work as a team member with other scientists in a USDA laboratory. U.S. citizenship required. Salary: \$25,581 to \$33,258. *An Equal Opportunity Employer.* Forward applications to: **D. A. Nason, USDA-ARS, 2850 Telegraph Avenue, Berkeley, California 94705.**

### VETERINARY PATHOLOGIST

Independent contract research laboratory has an immediate opening for a pathologist experienced in gross and microscopic pathology of dogs, primates, and rodents. Specific experience in toxicologic pathology desirable and Board certification preferred. Salary commensurate with experience. We are located in a very desirable area of southwestern Michigan just 10 miles from Kalamazoo, which offers excellent living conditions and cultural activities. Send detailed résumé to: **J. M. Ragen, Director, Personnel, International Research and Development Corp., Mattawan, Michigan 49071.** *An Equal Opportunity Employer.*

## COURSES

This **SYMPOSIUM**, 27 to 29 October 1975, is for basic scientists and clinicians to exchange current information in the area of steroid hormone action and cancer. Leading investigators will make presentations and round-table sessions will allow for discussion in specific areas. Contact: **R. K. Richards, Towsley Center, University of Michigan, Ann Arbor, Mich. 48104.**

## FELLOWSHIPS

**POSTDOCTORAL FELLOWSHIP.** Available immediately. To work on central nervous system and behavior of reptiles. Must have experience with modern neuroanatomical techniques including use of autoradiography and horseradish peroxidase methods for tracing anatomical pathways. Salary \$10,000. Send résumé and three letters of reference to **Dr. Mimi Halpern, Department of Anatomy, Downstate Medical Center, Brooklyn, N.Y. 11203.** *Affirmative Action/Equal Opportunity Employer*

## FELLOWSHIPS

**POSTDOCTORAL FELLOWSHIP** available immediately to work on experimental pathology of ocular tissues at Jules Stein Eye Institute, University of California at Los Angeles. Two-year program for experienced investigator in light and electron microscopy with interests in immunofluorescence and autoradiography.

Please send résumé and three references to **Alan L. Shabo, M.D., Jules Stein Eye Institute, University of California, 800 Westwood Plaza, Los Angeles, Calif. 90024.**

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### POSTDOCTORAL FELLOWSHIPS IN MEDICAL GENETICS

Positions are available immediately and in July 1976 to M.D.'s and Ph.D.'s for broad training in the clinical and research aspects of medical genetics (including genetic counseling, dysmorphology, cytogenetics, developmental genetics, biochemical genetics, and somatic cell genetics).

Write for application forms and further information to: **Dr. Charles J. Epstein, Department of Pediatrics, University of California, San Francisco, Calif. 94143.**

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Five-year-old JEOL U3 scanning EM, excellent working order, many accessories including TV monitor, photometer, specimen micromanipulator. Also, RCA 3F and Siemens 1 (recirculating water cooler), both in good condition. All microscopes under service contract. For details contact: **Dr. E. Raviola or Dr. E. Hay, Department of Anatomy, Harvard Medical School, 25 Shattuck St., Boston, Mass. 02115.** Telephone: 617-734-3300, Ext. 312.

## CONFERENCE

### CONFERENCE AND WORKSHOP ON USES OF ADVANCED PULSED NEUTRON SOURCES 20 to 24 October 1975

Argonne National Laboratory

A full-day conference on Monday, 20 October, devoted to reviews of uses of neutron techniques, especially pulsed techniques, in various fields of science, along with an overview of proposed and existing neutron sources. Followed by:

Four days of working sessions which have been organized around panels of practicing scientists representing the following fields:

- Chemical Spectroscopy
- Chemical Structures
- Biology
- Liquids
- Dynamics of Solids
- Magnetism
- Radiation Effects

It is expected that some Conference attendees will be interested in participating in the efforts of the organized Workshop Panels. Scientists interested in attending should fill out the form below and send by 1 October to:

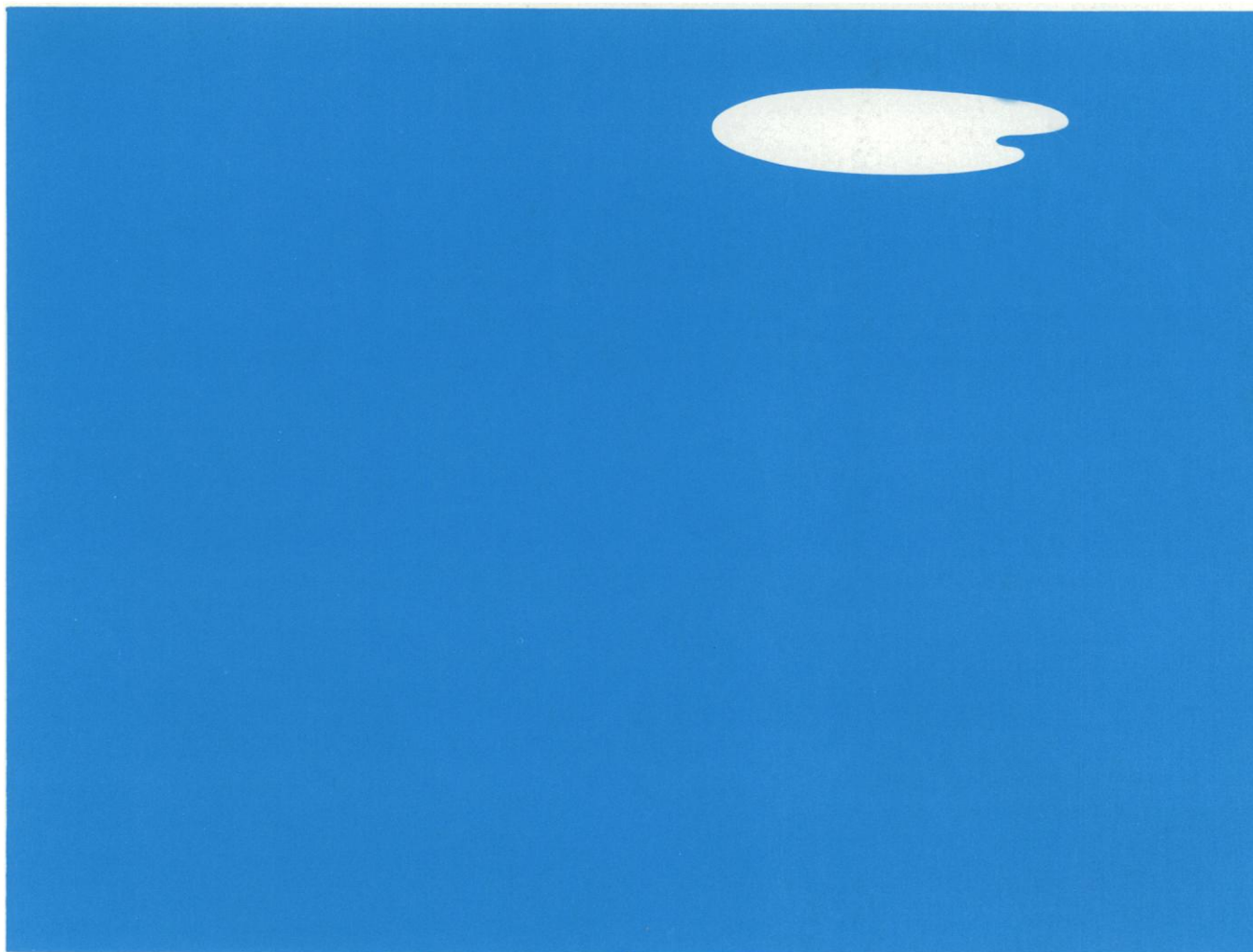
**J. M. Carpenter  
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☐ I am coming to the Conference.

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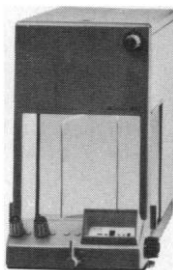
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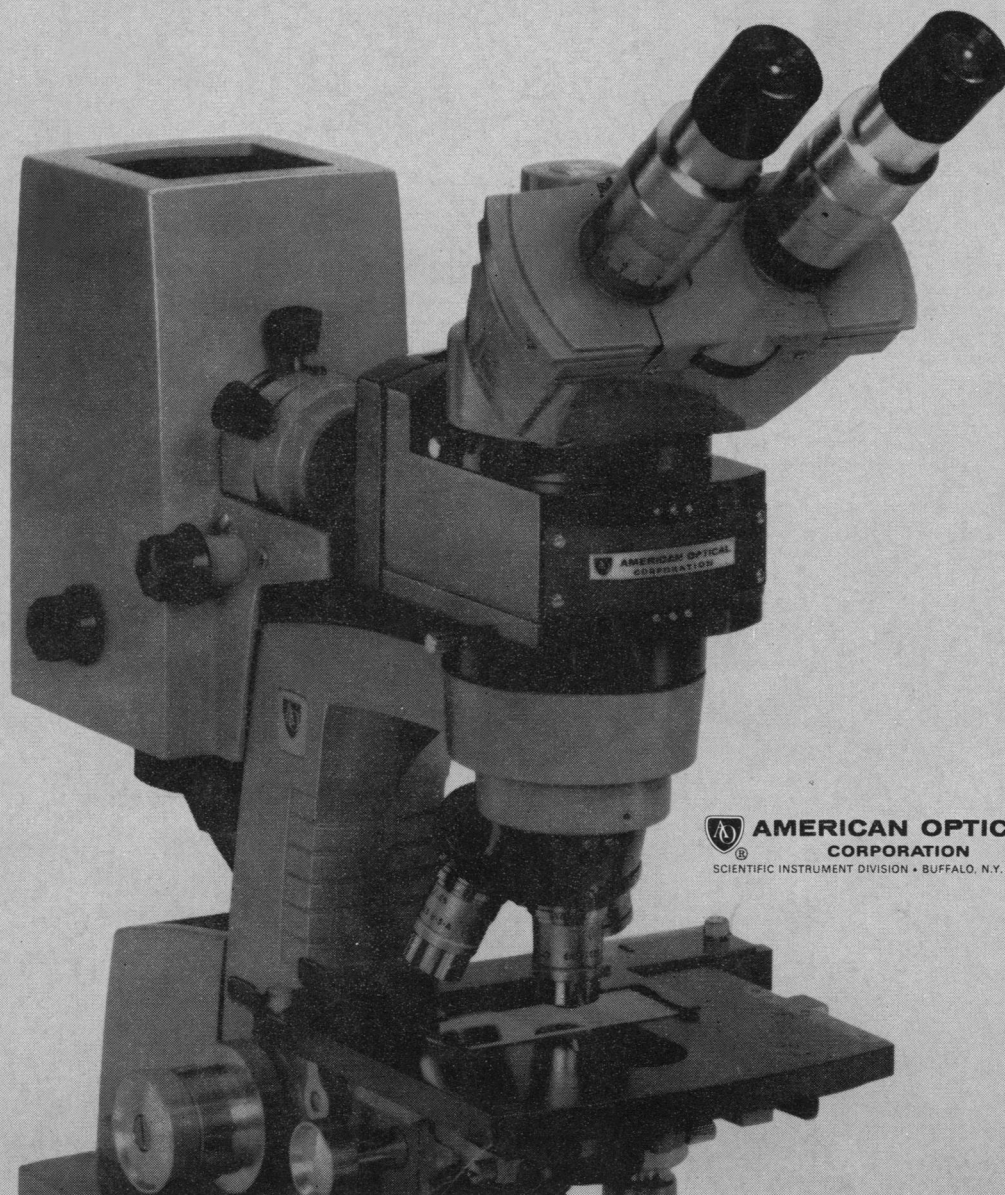
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