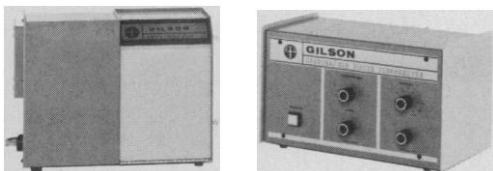


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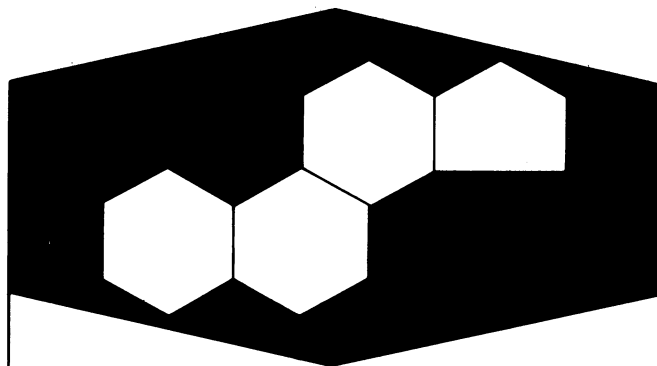
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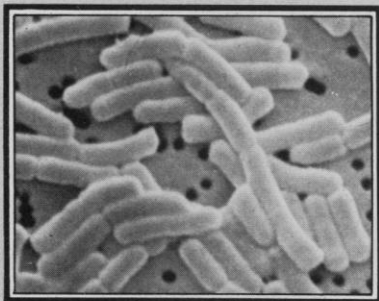
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The SEM micrograph on this page dramatically illustrates the superiority of Uni-Pore polycarbonate membranes from Bio-Rad, compared to the cellulose types.



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Circle No. 22 on Readers' Service Card

Personnel Placement

Only those employers and individuals who do not discriminate on the basis of race, sex, religion, age, color, or national origin should submit Personnel Placement advertising.

POSITIONS WANTED: 40¢ per word; use of Box Number counts as 10 additional words. Minimum charge \$10. Prepayment required. This rate applies to individuals only; personnel agencies, companies, colleges, and universities take display rate for all advertising.

DISPLAY (POSITIONS OPEN, MARKET PLACE, AND SO FORTH): \$130 per inch, minimum, per insertion (1 inch is equivalent to 12 lines of 48 characters each). Ads over 1 inch billed to nearest quarter inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information must accompany all other advertising.

COPY for ads must reach SCIENCE by Wednesday, 3-1/2 weeks before issue date (Friday of each week) requested. Send copy for all positions wanted ads and display ads under 5 inches to:

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Send copy for display ads, 1/6 page and larger, to:

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11 West 42nd Street
New York, N.Y. 10036

BLIND AD replies should be addressed as follows:

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

POSITIONS WANTED

Anatomy teaching position with research opportunities desired by Canadian British-trained surgeon, recently visiting assistant professor of anatomy at a Canadian university; with interests in gross anatomy and neurobiological research. Box 12, SCIENCE. 1/23, 30

Aquatic Biologist, M.S., specializing in freshwater benthic ecology and taxonomy. Experienced in related fields. Box 24, SCIENCE. X

Bio-organic/Medicinal Chemist, Ph.D., 1970. Experienced in cancer chemotherapy, synthesis (nucleosides, cyclic nucleotides), instrumental analysis, chromatography. Seventeen publications. Seeks research/teaching position. Box 25, SCIENCE. X

Cell Biologist, Ph.D. 1975. Postdoctoral fellow seeks training in membrane biochemistry in Washington/Baltimore area. Excellent background in cell motility, EM, freeze-fracture, and SEM. Publications. Available August 1976. Box 26, SCIENCE. X

Chemical Oceanographer, Ph.D. physical chemistry. Nine years of experience, teaching/research. Surface chemistry, CO₂, modeling; strong environmental concern. Seeks research or academic position for September 1976. Box 27, SCIENCE. X

Entomologist: pesticides. Current interests: (i) pesticide mode of action; (ii) enzyme kinetics; protein binding; (iii) government regulation of pesticide industry. Prefers research position along these lines, but will consider other proposals. Box 28, SCIENCE. X

Immunobiologist/Immunopathologist, Ph.D. (pathology; minors, immunology and anatomical sciences), M.S. (medical microbiology and immunology), 2^{1/2} years of postdoctoral experience. Seeks teaching and research position for 1 July 1976. Box 20, SCIENCE. X

Population and Quantitative Geneticist, Ph.D. 1976. Strong background in statistics, knowledge of computer programming, experience in teaching biology and genetics. Seeks faculty/postdoctoral position. Box 29, SCIENCE. X

POSITIONS WANTED

Psychologist, Ph.D. Fifteen years of postdoctoral experience. Work as theoretician and experimentalist in feeding behavior is well known. Also published work on statistics and operant conditioning. Desires medical school or research position to pursue animal experimentation relevant to the chemical aversion treatment of alcoholism. This work has already been applied clinically with some apparent success. Eager to consult with physicians on further applications. Box 30, SCIENCE. X

Two Senior Research Scientists desire opportunity to expand research program on in vitro chemical carcinogenesis in a university or in a nonprofit or commercial laboratory. Have extensive publications, teaching experience, and excellent funding records. Box 22, SCIENCE. X

POSITIONS OPEN

Applications are invited for the position of **ASSISTANT PROFESSOR** beginning 1976-77 (or possibly 1977-78) in the Department of Physics, Barnard College, Columbia University. Applicants should have a strong background in experimental physics with interest/experience in the history of physical science. The appointee will be expected to teach in and participate in the development of the Barnard-Columbia History of Physics Laboratory, and to pursue their own scholarly research interests in physics or the history of science. Instruction is mainly at the undergraduate level and may involve both nonscience students and science majors.

Applicants should send résumés, with the names of two referees, to: **Professor Richard Friedberg, Chairman, Department of Physics, Barnard College, 606 West 120 Street, New York, N.Y. 10027**, if possible, by 15 February 1976.

ASSISTANT PROFESSOR

Position available in the Department of Postgraduate Medicine and Health Professions Education, University of Michigan Medical School. Candidate must have a doctoral degree with experience and primary interest in continuing education for physicians and other health professionals. Must be able to provide statewide leadership. Ability to plan, conduct, and evaluate educational programs and to conduct educational research and demonstrated teaching ability are required. Code 115UO. Send résumé to **Box 31, SCIENCE**. A non-discriminatory Affirmative Action Employer.

Applications are invited for a position, preferably at the **ASSISTANT PROFESSOR** level, in the Department of Biology at the University of California, San Diego. Candidates should have demonstrated the capacity to do meritorious, original, independent research and be prepared to participate in the department's teaching activities at the undergraduate and graduate levels. Preference will be given to candidates who specialize in animal virology. Candidates should submit their curriculum vitae, including a list of publications, and three letters of recommendation. The position is available 1 September 1976 and applications or requests for further information should be sent to **Dr. E. P. Geiduschek, Biology Department Search Committee, B-022, University of California, San Diego, La Jolla, California 92093**.

The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

The University of Delaware invites applications for a position as **ASSISTANT PROFESSOR IN PHYSICAL CHEMISTRY**. Preference will be for those with research programs in the physical chemistry of surfaces or the physical chemistry of polymers. However, the specific area is less important than the candidates' promise for making significant contributions to the research and teaching missions of the department. Candidates should submit curriculum vitae, bibliography, a detailed research proposal (including an estimate of the costs of the proposed research), and the names of three references to: **Professor Joseph H. Noggle, Physical Chemistry Search Committee, Department of Chemistry, University of Delaware, Newark, Delaware 19711**. Applications should be sent by 10 February 1976 to assure consideration. *The University of Delaware is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR ANIMAL PHYSIOLOGY

Teaching and research in the field of specialty. Ph.D. Send curriculum vitae and names of referees to **Professor Donald D. Ritchie, Department of Biological Sciences, Barnard College, 606 West 120th Street, New York, N.Y. 10027. Equal Opportunity/Affirmative Action Employer.**

The Johns Hopkins University. A position of **ASSISTANT/ASSOCIATE PROFESSOR OF PHYSIOLOGY** will be available on 1 July 1976 in the Department of Physiology of the School of Medicine. Applicants should be actively engaged in research in physiology at the molecular, cellular, or systems level; teaching assignments are in a course in systems physiology for students of medicine. Applicants are requested to submit curriculum vitae and names of three references at the time application is made. Materials should be addressed to **Dr. Vernon B. Mountcastle, Department of Physiology, The Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, Maryland 21205. The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR OF PHYSIOLOGY

The Department of Physiology is seeking a neurobiologist, preferably one whose work relates to function of the vertebrate central nervous system. The position involves medical and graduate student teaching, and makes available considerable time for research.

Please send curriculum vitae, bibliography, and names and addresses of three references to:

**Chairman
Neurobiologist Search Committee
Department of Physiology
Yale University School of Medicine
333 Cedar Street, B-121 SHM
New Haven, Conn. 06510**

Applications from women and members of minority groups are encouraged. An Equal Opportunity/Affirmative Action Employer.

Applications should be received before 15 February 1976.

FACULTY POSITION

The Department of Physiology has a faculty position available for which applications are invited. Preference will be given to candidates holding an M.D. or a Ph.D. degree with experience and interest in membrane transport processes. Faculty rank (assistant, associate, or full professor) is negotiable depending upon qualifications. Field of interest can include theoretical, artificial model, cellular, or epithelial membrane transport systems.

Opportunities are available for both collaborative and independent research and for graduate and medical student teaching.

Please send complete curriculum vitae including publications and the names and addresses of three references to:

**Chairman, Membrane Transport Search Committee
Department of Physiology
Yale University School of Medicine
333 Cedar Street, SHM B-106
New Haven, Conn. 06510**

Applications from women and members of minority groups are encouraged. An Equal Opportunity/Affirmative Action Employer.

Applications should be received before 15 February 1976.

BIOLOGIST

The Wyoming State Planning Coordinator's Office will hire a natural resources section leader and two staff members to work in the area of policy analysis and coordination. Positions will be filled by biologists having an ecological perspective and an M.S. or a Ph.D. degree. Applicants should be conversant with the social sciences and have the knowledge and motivation to interact with industry, state and federal agencies, and the public. The section leader must have some administrative experience, and familiarity with governmental processes is desirable. Salary range: section leader, \$18,000 to \$20,000; staff, \$14,000 to \$18,500. A résumé and the names of three references should be submitted to **David D. Freudenthal, State Planning Coordinator, 2414 Carey Avenue, Cheyenne, Wyoming 82002, before 15 February 1976. The State of Wyoming is an Equal Opportunity Employer.**

POSITIONS OPEN

ASSISTANT PROFESSOR SECTION OF THERAPEUTIC RADIOLOGY UNIVERSITY OF CALIFORNIA, IRVINE ORANGE COUNTY MEDICAL CENTER

Applications are invited for a post at the assistant professor level in the Section of Therapeutic Radiology at the University of California, College of Medicine, Irvine. This will be a full-time position with responsibilities for teaching at undergraduate and graduate levels and for clinical research and service in the Orange County Medical Center.

The applicant should be a Board-certified radiologist preferably with a minimum of 3 years of experience in therapeutic radiology in a university medical school, and preferably be prepared to engage in ongoing research and to develop new research protocols.

Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.

Applications, including a short biography, and copies of any publications should be sent to: **H. Ver-mund, M.D., Professor of Radiology, Orange County Medical Center, Section of Therapeutic Radiology, 101 City Drive South, Orange, California 92668.**

Closing date: 15 February 1976.

BIOLOGISTS

Four research-teaching positions are available at the level of assistant professor beginning fall 1976. Three positions are in the fields of (i) **molecular or microbial biology**, (ii) **plant development physiology**, and (iii) **animal behavior**. The fourth position is available in either **cellular or organismal biology**. Excellent research facilities are available and the teaching program includes both graduate and undergraduate courses. Curriculum vitae and names of at least three references should be sent to **Dr. M. W. Strickberger, Search Committee Chairperson, Department of Biology, University of Missouri-St. Louis, 8001 Natural Bridge Road, St. Louis, Missouri 63121. Telephone: 314-453-5811.**

An Equal Opportunity/Affirmative Action Employer

BIOLOGY—A position for a **population geneticist** is available beginning in fall 1976; appointment is expected to be at the rank of assistant professor. The position involves teaching the undergraduate program and developing graduate courses and an active research program. Preference will be given to a geneticist with a strong background in biostatistics. Send résumé, including a brief description of teaching and research experience, and three letters of reference to: **Dr. Lois S. Cronholm, Chairman, Search Committee, Department of Biology, University of Louisville, Louisville, Kentucky 40208. An Affirmative Action/Equal Opportunity Employer.**

The Institute of Molecular Biology of the Austrian Academy of Sciences in Salzburg is recruiting for a **BIOPHYSICIST** to become head of the biophysics group. Candidates should have a proven ability to conduct independent research preferably in an area related to biosynthesis and secretion of proteins, protein-membrane interactions, or control of cell differentiation. Good knowledge of the German language is essential. Send curriculum vitae and references to **Dr. G. Kreil, Institute of Molecular Biology, Wasagasse 9, 1090 Vienna, Austria. Deadline: 15 March.**

CHEMISTRY—Assistant professor position starting September 1976 in analytical chemistry. Ph.D. required, but postdoctoral experience is not essential. Salary and benefits competitive by AAUP standards. Successful applicant will be expected to pursue an active research program and to participate in teaching at all levels of the departmental curriculum. Send résumé, brief description of research interests, and transcripts to: **Chairman, Department of Chemistry, University of Louisville, Louisville, Kentucky 40208. An Affirmative Action/Equal Opportunity Employer.**

DEAN, College of Agriculture and Home Economics, New Mexico State University. Basic duties and responsibilities involve administration of resident instruction, research, and extension in the Land Grant concept. Position will be open 1 July 1976 and will be filled as quickly as good recruiting practices permit. Nominations and applications are sought. Direct all communications to **Glyn Throneberry, Chairman, Search Committee, New Mexico State University, Las Cruces, New Mexico 88003. Telephone: 505-646-1014. An Equal Opportunity/Affirmative Action Employer.** Closing date for applications is 15 March 1976.

POSITIONS OPEN

BIOMEDICAL ANATOMIST

The Department of Biomedical Anatomy of the University of Minnesota School of Medicine at Duluth is seeking a professional anatomist at the assistant professor level who is interested in and capable of teaching human microscopic and gross anatomy. This appointment will begin on or about 1 July 1976. The individual will be expected to teach anatomy to medical and undergraduate science students. Candidates should be capable of establishing or continuing an independent and high-quality research program. To be strongly considered, an applicant should have interests and experience in transmission and scanning electron microscopy. A curriculum vitae and a detailed statement of academic/research interests should be submitted by 15 February 1976 to **T. J. Leppi, Department of Biomedical Anatomy, University of Minnesota School of Medicine, 2205 East 5 Street, Duluth, Minnesota 55812. The University of Minnesota is an Equal Opportunity/Affirmative Action Employer.**

CARDIOLOGIST—Academically trained individual needed to direct coronary care unit or noninvasive laboratory on university service. Should have research experience. UCLA faculty appointment and salary dependent upon qualifications. New hospital under construction in West Los Angeles. Send résumé to **Ellis Rolett, M.D., Chief, Cardiology Section, VA Wadsworth Hospital Center, Los Angeles, California 90073. An Equal Opportunity Employer.**

Rush-Presbyterian-St. Luke's Medical Center and Rush Medical College invite applicants for the position of **CHAIRPERSON** of the Department of Ophthalmology. The appropriate individual should be capable of providing clinical and academic leadership in the reorganization and development of the department. Send curriculum vitae to **Dr. Steven G. Economou, Chairman, Search Committee for Chairperson in Ophthalmology, Rush Medical Center, 1953 West Congress Parkway, Chicago, Illinois 60612.**

Rush Medical Center is an Equal Opportunity/Affirmative Action Employer.

Upjohn

GASTROINTESTINAL PHYSIOLOGIST

Upjohn Pharmaceutical Research and Development is seeking a Research Scientist or Senior Research Scientist to conduct exploratory, methodology, and developmental research directed toward the understanding and control of disorders of the digestive system.

You must have a Ph.D. or M.D.-Ph.D. plus at least two years of postdoctoral experience in gastrointestinal physiology with a strong biochemical background. A demonstrated ability to perform original and independent research relating to the digestive system should be apparent from the publications cited in the curriculum vitae.

Excellent salary and benefits. Living in Kalamazoo, a mid-size southwestern Michigan community, means no commuting, immediate access to an excellent mix of cultural-recreational pursuits including lakes, nearby colleges, a four-season climate and more.

Please send a complete curriculum vitae, date available, and salary requirements to:

**D. A. Nevala,
Employment Representative**

Upjohn begins with you. **The Upjohn Company**

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Kalamazoo, Michigan 49001
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POSITIONS OPEN

DEAN OF ENGINEERING UNIVERSITY OF ILLINOIS AT CHICAGO

The University of Illinois at Chicago invites nominations and applications for the position of Dean of the College of Engineering. The College faculty of about 100 is organized into Departments of Energy, Information, Materials, and Systems Engineering, and a Bioengineering Program. It also includes a special unit, the Urban Systems Laboratory. The College offers a range of programs at the bachelor's, master's, and doctoral levels to more than 2000 students. Applicants must have a record of scholarly accomplishments and administrative ability. Please write and include a curriculum vitae to: **Paul M. Chung, Chairman, Search Committee, Department of Energy Engineering, University of Illinois at Chicago, Box 4348, Chicago, Illinois 60680.** *The University of Illinois is an Affirmative Action/Equal Opportunity Employer.*

DEVELOPMENTAL BIOLOGIST. The School of Life Sciences, University of Nebraska-Lincoln, is seeking nominees and applicants for an assistant or associate professorship in developmental biology. Postdoctoral experience and/or publications required. Salary open. Candidates should submit résumés, names of at least three referees, and reprints of significant publications. Duties begin fall semester 1976 and will include the establishment of research and teaching programs in modern developmental biology. Deadline for receipt of applications is 17 February 1976. Address inquiries, applications, and supporting materials to:

**John Brumbaugh
Developmental Biology Search Committee
School of Life Sciences
University of Nebraska-Lincoln
Lincoln, Nebraska 68588**

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

DALHOUSIE UNIVERSITY DEVELOPMENTAL BIOLOGIST

Applications are invited from animal developmental biologists for a position as assistant professor of biology, Dalhousie University. Duties will commence on, or after, 1 July 1976 and will include participation in teaching of undergraduate and graduate classes in developmental biology and assisting, from time to time, in the teaching of undergraduate molecular biology. Candidates should have completed a Ph.D. and show evidence of potential to initiate, or to maintain, a vigorous research program. Terms of the appointment (salary and duration) are subject to negotiation. A curriculum vitae, outline of proposed research program, and the names of three referees should be sent to: **Dr. B. K. Hall, Chairman, Search Committee, Department of Biology, Dalhousie University, Halifax, N.S., Canada B3H 4J1.**

DIRECTOR AND CHAIRPERSON G. W. HOOPER FOUNDATION AND DEPARTMENT OF INTERNATIONAL HEALTH UNIVERSITY OF CALIFORNIA SAN FRANCISCO

Applications are invited for an outstanding scientist to direct this internationally recognized research foundation with its extensive program of epidemiologically oriented research on the San Francisco campus and in research centers abroad. The Director will also chair the medical school Department of International Health, responsible for broad instructional training programs in epidemiology and infectious diseases, international health, tropical medicine, parasitology, medical anthropology, nutrition, biometry, and allied fields.

Applicant should have an international reputation and demonstrated scientific leadership, have managerial skills, and be able to maintain and strengthen the ongoing research projects of the present faculty, while stimulating new research activities and adding significantly to the Foundation and Department's interaction with preclinical and clinical programs in the various schools of the University of California San Francisco campus.

Send curriculum vitae and names of references to: **Dr. deGroot, Chairman, Search Committee, c/o Graduate Division, S-140, University of California, San Francisco, California 94143.**

The University of California is an Equal Opportunity/Affirmative Action Employer and welcomes applications from all qualified candidates.

POSITIONS OPEN

DEVELOPMENTAL BIOLOGIST NORTHWESTERN UNIVERSITY

Full-time faculty position (assistant professor) available for 1 September 1976 in the Department of Biological Sciences. Research interests in the control of gene transcription or translation, preferably emphasizing embryonic systems. Applicants should be trained in both developmental biology and molecular biology. Postdoctoral experience is required.

Send curriculum vitae and names of three referees to: **Neena Schwartz, Department of Biological Sciences, Northwestern University, Evanston, Illinois 60201.**

Northwestern University is an Equal Opportunity Employer.

DIRECTOR OF MARINE SCIENCE AND EDUCATION for SEA Semester, Woods Hole-based, Boston University-sponsored undergraduate program combining classroom instruction ashore with apprenticeship at sea aboard R/V *Westward*. Applicants must satisfy associate professor standards and have demonstrated capacity for administering an interdisciplinary educational program ashore, coordinating a multidisciplinary oceanographic research and training program at sea, and teaching introductory marine science. Minimum of 2 months per year spent at sea. Requires entrepreneurial ability, energy, flexibility. Send curriculum vitae to: **Chairman, Scientific Advisory Board, Sea Education Association (SEA), Box 6, Woods Hole, Mass. 02543.**

DIRECTOR OF PROFESSIONAL AFFAIRS

Progressive community hospital seeks Board-certified or eligible internist for full-time salaried position. Duties include administrative and teaching responsibilities in newly established internal medicine training program. Direct inquiries to: **K. M. Courey, Administrator, St. Clare's Hospital, Pocono Road, Denville, N.J. 07834.**

STANFORD UNIVERSITY DIRECTOR, HOPKINS MARINE STATION

A search initially advertised in *Science* during 1973 has been reactivated. Candidates should be outstanding biological scientists with nationally recognized excellence in scholarship involving marine organisms, a commitment toward quality teaching at undergraduate and graduate levels, a keen desire to remain active in research, and a capacity to recruit and to lead an expanded faculty at HMS. We are anxious to receive applications from women and members of minority groups. Persons who applied earlier and desire to have their files updated may send additional materials. Director will also be appointed professor of biology in the department of biological sciences.

Deadline for application is 15 February 1976. Send curriculum vitae, reprints of major publications, and list of references to:

**Dr. Donald Kennedy
Department of Biological Sciences
Stanford University
Stanford, Calif. 94305**

The National Science Foundation is seeking qualified applicants for 2-year appointments to the positions of **DIRECTOR, DIVISION OF ASTRONOMICAL SCIENCES; DIRECTOR, DIVISION OF ATMOSPHERIC SCIENCES; AND DIRECTOR, DIVISION OF OCEAN SCIENCES.** The incumbents of these positions will be expected to exercise scientific leadership in guiding the administration of the Foundation's support of research in their disciplines, and to play a major role in developing input from the U.S. scientific community in the planning of future Foundation support of research in these fields.

Applicants must be recognized authorities in astronomy, oceanography, or the atmospheric sciences, and must have demonstrated national and international leadership in their field of expertise. The positions will have an initial tenure of 2 years and carry salaries of \$37,800 per year. Persons who are in a position to take a 2-year leave of absence from their current scientific or science management responsibilities may find these appointments both challenging and interesting.

Those interested in being considered for such positions should forward current résumés to the **Assistant Director for Astronomical, Atmospheric, Earth, and Ocean Sciences, National Science Foundation, Washington, D.C. 20550.** Applications are being solicited from qualified individuals in the National Science Foundation, the government, and the scientific community at large. *The National Science Foundation is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

DIRECTOR, VERMONT REGIONAL CANCER CENTER

Full time for developing of Center. M.D. degree, clinical and clinical and/or basic research experience in cancer medicine, academic experience, and demonstrated administrative competency. Application deadline date 1 March 1976. Send résumé to **Box 24S, Waterman Building, University of Vermont, Burlington, Vermont 05401.**

An Affirmative Action Employer

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

Applications are invited for a position in **Embryology** in the Basic Sciences Division of the Faculty of Medicine. Applicants should possess an M.D. and/or a Ph.D. and should be available to take up the position for the 1976-77 academic year. Rank and salary are negotiable and dependent on qualifications and experience. Duties will include the coordination and teaching of embryology, in collaboration with other faculty members, throughout the medical curriculum. The successful candidate's areas of research are not critical but it would be an advantage if they were to lie in one or more of the following fields: molecular biology, cell differentiation, genetics, or neurosciences—in which active research groups are already in existence.

Applications should be forwarded, together with the names of three referees, to **Dr. J. D. W. Tomlinson, Chairman, Embryology Search Committee, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada A1C 5S7.**

EXPERIMENTAL PATHOLOGISTS

Applications are invited from qualified persons holding the M.D. or Ph.D. degrees for faculty and postdoctoral positions in experimental pathology. Primary responsibility will be to participate in ongoing projects on (i) the structural bases of glomerular permeability, properties of isolated mesangial cells, and other aspects of renal pathobiology or (ii) studies on reaction of the arterial wall to endothelial injury. Research support available. Submit autobiographical letter, curriculum vitae, and references to **Dr. Morris J. Karnovsky, Department of Pathology, Harvard Medical School, Boston, Mass. 02115.** Applications close 31 March 1976.

FACULTY POSITION IN MEDICAL MICROBIOLOGY available September 1976. Responsibilities include participation in graduate and undergraduate teaching and research. Ph.D. required, postdoctoral experience preferred. Position authorized at the assistant professor level. Send résumé, including current and future research interests, transcripts, and names of four references to **Dr. David Hinrichs, Chairman, Search Committee, Department of Bacteriology and Public Health, Washington State University, Pullman, Wash. 99163.** *Washington State University is an Affirmative Action/Equal Opportunity Employer.* Application review will begin 15 March 1976.

Full-time **FACULTY POSITION** available for an individual with the Ph.D. degree whose interests and training are in the area of clinical cytogenetics. Applicant should have experience in cell culture and chromosome banding techniques. Appointment will be at the instructor level in the Department of Physiology and Biophysics and salary will be commensurate with qualifications. Submit letter of application, curriculum vitae, and names of three references to **Dr. Sara C. Finley, Laboratory of Medical Genetics and Department of Physiology and Biophysics, University of Alabama in Birmingham, University Station, Birmingham, Alabama 35294.** *Equal Opportunity Employer.*

FACULTY POSITION AVAILABLE

Assistant professor of biological sciences. Bright, aggressive individual with postdoctorate. Teaching and research essential. Genetics, organismal physiology, environmental biology, order of priorities. Send curriculum vitae and references to:

Box 32, SCIENCE

The University of Montana is seeking a **Ph.D. MICROBIOLOGIST** to teach hematology and/or clinical microbiology for 10 months only, starting September 1976. Salary at \$11,500 to \$14,500 depending on qualifications. Send curriculum vitae and three letters of reference to **Dr. R. Ushijima, Chairman, Department of Microbiology, University of Montana, Missoula, Montana 59801,** by 28 February 1976. *An Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

DREXEL UNIVERSITY

Several faculty openings are available in biophysics, atmospheric science, and physics. Both visiting and regular positions are available for any level of seniority. Send complete résumé to **Dr. William W. Eidson, Head, Department of Physics and Atmospheric Science, Drexel University, Philadelphia, Pa. 19104. Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITION SCHOOL OF PUBLIC HEALTH

To develop a new program in research and education in quality assurance and/or health planning. Rank and salary dependent on experience. Should be able to coordinate and lead research program with several research disciplines and with clinicians as well as teach graduate students. *Minority or women candidates are encouraged to apply.*

Educational and work preferences: M.D. degree with research in health services and administrative experience.

Send curriculum vitae to:

**Robert J. Haggerty, M.D.
Roger I. Lee Professor of Public Health
(Health Services and Pediatrics)
Harvard School of Public Health—
Harvard Medical School
677 Huntington Avenue
Boston, Massachusetts 02115**

FACULTY POSITION IN GEOLOGICAL OCEANOGRAPHY

Applications are invited for teaching and/or research positions in the Department of Oceanography, University of Washington. The Department maintains a strong teaching program and carries out fundamental research in most aspects of geological oceanography. Close ties are maintained with the Department of Geological Sciences, the Geophysics Program, and the Quaternary Research Center. Send complete résumé and four letters of reference to **Dr. Ronald T. Merrill, Chairman, Faculty Recruitment Committee, Department of Oceanography, University of Washington, Seattle, Washington 98195.** Deadline for receipt of applications is 31 March 1976. *The University is an Equal Opportunity/Affirmative Action Employer.*

DEPARTMENT HEAD

Head, Department of Food Science, College of Agriculture, The Pennsylvania State University. Position open 1 July 1976. Administrative officer responsible for leadership, supervision, and coordination of teaching, research, and extension activities of the department. Possess a Ph.D. or equivalent degree in food science or related area. Demonstrated qualifications in, or potential for, administration, teaching, research, and extension. Salary commensurate with qualifications. Interested individuals should submit résumé, names of five references, and an optional, but highly desirable, statement of personal view and philosophy of administration and growth of a food science department. Applications or nominations should be made before 1 March 1976 to **G. D. Kuhn, 103 Tyson Building, University Park, Pennsylvania 16802. An Equal Opportunity Employer.**

HEADSHIP DEPARTMENT OF MEDICINE

The Abraham Lincoln School of Medicine of the University of Illinois announces a search for the Headship of its Department of Medicine. Located on the near West Side of Chicago, The Abraham Lincoln School of Medicine has more than 750 students and is immediately adjacent to its University Hospital. The school is affiliated with two veterans' hospitals and six community hospitals.

The candidate should be a Diplomate of the American Board of Internal Medicine, have investigative experience and proven ability to administer a large academic program, and be concerned about the education of medical students and trainees in internal medicine.

Interested individuals should write to **Dr. Lawrence M. Solomon, Department of Dermatology, University of Illinois, Post Office Box 6998, Chicago, Illinois 60680.**

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

ECOLOGISTS

Expanded research programs at Argonne National Laboratory has created opportunities for environmental scientists to participate in multidisciplinary projects to measure the impact of energy development and power generation on water resources. *Applications are invited from those professionals who can meet the following requirements.*

ECOLOGIST. Ph.D. or equivalent experience in Fishery Biology. Must have strong academic background and experience in aquatic ecology and fish population dynamics. Experience in using conventional fishery models and proficiency in applying and developing population models for assessment of environmental impacts on generic or regional level desirable. Responsibilities will include: planning and coordinating field and laboratory studies; data analysis; application and development of fish population models; characterization of regional fishery resources. Must be capable of working within a team structure. Experience in report preparation and project coordination essential.

ASSISTANT ECOLOGIST. Ph.D. or equivalent experience in applied Aquatic Ecology. Must be proficient in data analysis and report preparation. Responsibilities will include: assessing effects on aquatic biota from construction and operation of power generating facilities; participating in assessment and/or research projects to evaluate impacts and management strategies on a regional or generic level.

Please send resume indicating salary requirements and history to: **Mr. Richard C. Gehrke, Dept. 100 C, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439.**



ARGONNE NATIONAL LABORATORY

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LIFE SCIENCE INSTRUMENTS, Miles Laboratories, Inc., the developer of the Glucose Controlled Insulin Infusion System (Artificial Endocrine Pancreas), are seeking a

SENIOR RESEARCH SCIENTIST

with an advanced degree in Physical Sciences for the development of electrochemical sensors immunoassay procedures. The successful candidate will have expert knowledge of membrane technology and its applications to biological systems. Located in Elkhart, Indiana, a community of 50,000 population, we offer excellent recreational and educational opportunities as well as convenient accessibility to the Chicago Area. Excellent starting salary commensurate with experience, plus a superior benefits program. Relocation expenses paid by the company. Please send complete resume, including expected salary, in confidence to:

**Howard G. MacMillan, Jr.
Dept. 800**

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POSITIONS OPEN

HUMAN ANATOMY AND PHYSIOLOGY

Assistant professor, starting September 1976. Primary duties will be teaching human anatomy and physiology for majors and nonmajors at the undergraduate level. Ph.D. and experience with human cadavers required. Must have strong interest in teaching; research activity encouraged. Application deadline 15 February. Submit résumé and three letters of recommendation to **Dr. F. D. McCarthy, Department of Biological Science, California State College, Dominguez Hills, Calif. 90747. An Affirmative Action Employer.**

Ph.D. IMMUNOLOGIST: position available for Ph.D. immunologist. Assist in major research program in tumor immunology at UCLA School of Medicine, Harbor General Hospital, Torrance, California. Training and experience in cellular immunology and/or tumor immunology and familiarity with in vitro techniques for assaying antitumor immune responses. At least 2 years of postdoctoral training desirable. Candidates should be eligible for academic appointment at the UCLA School of Medicine and will be encouraged to participate in all activities of the Hospital and Medical School. Level of appointment and salary will depend on qualifications and are negotiable. Send curriculum vitae, three letters of reference, and any other pertinent information to:

Yosef H. Pilch, M.D.
Professional Staff Association
Harbor General Hospital
1124 West Carson Street
Torrance, California 90502

Applications are invited for the following two positions: (i) **MICROBIOLOGIST-MICROBIAL ECOLOGIST** (instructorship): to teach undergraduate courses in microbiology, medical microbiology, and contemporary general biology; (ii) **PLANT ECOLOGIST** (assistant professor or instructor level): to teach undergraduate courses in contemporary general biology and plant morphology and graduate course in physiological plant ecology. Individuals filling these positions will participate in additional graduate offerings, advise students, undergraduates, and those in master of science program, and serve on departmental committees. Positions dependent upon state funding. Ph.D. preferred. Salary competitive and based on prior experience. Deadline for accepting applications is 20 March 1976. Send curriculum vitae, transcripts, and names of three references to **Chairperson, Hiring Committee, Biology Department, Towson State College, Baltimore, Md. 21204. We are actively seeking women and minority applicants. An Equal Opportunity/Affirmative Action Employer.**

NEUROPHARMACOLOGY

We are currently seeking candidates in the neuropharmacology and neurochemistry fields. Candidates should be presently nearing completion of postdoctoral training in one of these areas. The scientists selected will be involved in a cooperative research effort to discover and develop novel compounds acting on the CNS.

Our Research Laboratories are located in West Point, Pennsylvania, an attractive suburb northwest of Philadelphia. We offer a starting salary commensurate with qualifications and excellent fringe benefits.

Please send curriculum vitae with complete list of publications to:

Donal E. Jackson

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POSITIONS OPEN

IMMUNOLOGIST NEEDED

The Plum Island Animal Disease Center of the USDA's Agricultural Research Service has an immediate opening for a **research immunologist** at grades GS-12, 13, or 14 (\$19,386 to \$34,916 annually). The incumbent will conduct research on cell-mediated immunity to foot-and-mouth disease and/or other exotic diseases of livestock. The position requires experience or training at the doctorate level in microbiology (preferably virology), biochemistry, and immunology. Applicants must have demonstrated experience and competence in research on cell-mediated immunity. *U.S. citizens only will be considered without regard to race, color, religion, sex, age, or national origin.* Apply to:

**Plum Island Animal Disease Center
P.O. Box 848
Greenport, New York 11944
Attention: Personnel Officer**

Two **INTERNISTS** to join full-time medical school faculty in the section of gastroenterology in university teaching hospital. Associate and assistant professor levels. Must have demonstrated interest in research as well as teaching and clinical service. Salary and academic position commensurate with level of training and experience. *An Equal Employment Opportunity (M/F)/Affirmative Action Employer.* Send curriculum vitae, bibliography, and references to **R. J. Bolt, M.D., Department of Medicine, Professional Building, University of California at Davis, 4301 X Street, Sacramento, California 95817.**

MICROBIOLOGIST

Assistant or associate professor, fall 1976, to develop research in the field of bacterial metabolism, nutrition, or physiology of anaerobic bacteria. Postdoctorate experience preferred. Salary open and competitive. Send curriculum vitae, names of three references, and brief résumé of specific research interest as applied to anaerobic bacteria by 1 March by **Dr. L. DS. Smith, Chairman of Selection Committee, Anaerobe Laboratory, Virginia Polytechnic Institute and State University, Blacksburg, Va. 24060. Equal Opportunity Employer.**

PHYSICISTS

The Office of Physical Science Projects of the Division of Cancer Treatment, National Cancer Institute, invites applications from physics faculty/staff members for 2-year appointments to perform research in the physical sciences at the biomedical research laboratories of the Division of Cancer Treatment in Bethesda, Maryland. These appointments are designed to foster the introduction of modern physics to cancer research through close interaction with the resident biomedical research staff. Every effort will be made to acquaint appointees with the salient problems and perspectives of current cancer research in order to provide the basis for continuing assistance to the national cancer program from the physical sciences community. Remuneration is determined by current salary and experience. Relocation expenses to and from the Washington, D.C., area are reimbursed according to standard U.S. government regulations. Send a brief indication of research interests, curriculum vitae, and references to:

**Physical Science Project Officer
NATIONAL INSTITUTES
OF HEALTH
(NCI/DCT)**

**Public Health Service
Building 31, Room 3A 49
Bethesda, Maryland 20014**

A doctoral degree or equivalent in the physical sciences together with assurance of continuance of employment by the institution of origin are required. No previous biomedical experience is necessary. *The Department of Health, Education, and Welfare is an Equal Opportunity Employer.*

RESEARCH MICROBIOLOGIST/ IMMUNOLOGIST

Person with Ph.D. or equivalent is needed immediately. Postdoctoral experience preferred. Research laboratory in the Department of Otolaryngology at The Ohio State University Hospitals. Salary range is \$14,000 to \$18,000. Send curriculum vitae and references to: **Dr. David J. Lim, Director of Otolaryngology Research Laboratories, 456 Clinic Drive, Columbus, Ohio 43210. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

NEUROSCIENTIST: Staff positions available 1 July 1976 with Neurosciences Research Program for full-time work on conceptual problems at various levels of brain research: molecular, cellular, neural, and behavioral. Must be capable of evaluating scientific literature, formulating ideas lucidly, and developing creative interpretations of, and theoretical contributions to, neurobiological issues, working in collaboration with other scientists selected for expertise in given research areas or topics.

Four or more years postdoctoral; salary commensurate with training and experience. Appointments renewable annually.

For information contact:

**Professor Irwin W. Sizer
165 Allandale Street
Jamaica Plain, Mass. 02130**

PHYSICAL OCEANOGRAPHER/ LIMNOLOGIST UNIVERSITY OF WISCONSIN-MADISON

The Marine Studies Center of the Institute for Environmental Studies has a new faculty position for a physical oceanographer/limnologist at the assistant professor level. This position is for a person interested in teaching both undergraduate and graduate courses, and in conducting research on either coastal oceanic or Great Lakes problems. Applicants should be familiar with both field and theoretical approaches, and interested in conducting joint research with biologists, chemists, and geologists.

Send curriculum vitae, list of references, teaching and research interests by 1 March 1976 to:

**Dr. T. Green
Marine Studies Center
University of Wisconsin-Madison
1225 West Dayton Street
Madison, Wis. 53706**

An Equal Opportunity Employer

PLANT BIOLOGIST Faculty position, effective 1 July 1976

Applications are sought for assistant professor in the Department of Biology. Applicants should have 2 years postgraduate research experience in biochemistry, biophysics, or cell biology related to plants. Teaching is required in plant biochemistry at the undergraduate level and at the graduate level in the appointee's area of competence. We seek excellence in research and teaching.

Applications with curriculum vitae, list of publications, names of references, and summary of research experience and interest should be sent to **Chairperson, Department of Biology B-022, University of California, San Diego, La Jolla, Calif. 92093.** Letters of reference should not be sent until requested. *The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

POSITIONS AVAILABLE IN BIOLOGICAL SCIENCE

The Department of Biological Sciences invites applications for eight new positions at the assistant professor rank for September 1976. There are openings for a **marine microbial ecologist, clinical microbiologist, mammalogist, population geneticist, radiobiologist, serologist, pollution ecologist, and general biologist.** Positions involve teaching and the development of an active research program. Ph.D. is required. Send résumé and names of three references to **Dr. H. G. Marshall, Chairman, Department of Biological Sciences, Old Dominion University, Norfolk, Virginia 23508. An Affirmative Action/Equal Opportunity Employer.**

PRESIDENT, DESERT RESEARCH INSTITUTE

Applications and nominations are invited by the Board of Regents, University of Nevada System (*an Equal Opportunity/Affirmative Action Employer*). Applications will be accepted until 1 June 1976. The position will be vacant on 1 July 1977.

Qualifications: A distinguished record of intellectual and administrative achievement in the conduct and management of research and development. Candidates would normally hold a doctoral degree in a field related to the Institute's research in the physical, social, and life sciences.

Direct inquiries and nominations to:

**Presidential Search Committee
Desert Research Institute
University of Nevada System
P.O. Box 13584, University Station
Reno, Nevada 89507**

POSITIONS OPEN

POSTDOCTORAL POSITION

Postdoctoral position to participate in research on the structure and function of eukaryotic RNA polymerases and on nuclear protein kinases. Send résumé and three letters of recommendation to **Dr. Michael E. Dahmus, Department of Biochemistry and Biophysics, University of California, Davis, California 95616.**

POSTDOCTORAL AND PROFESSIONAL ASSISTANT positions available immediately to work on the mechanism and control of translation.

Applicants should have a Ph.D. and interest in biochemistry or molecular biology. Stipend is \$10,000 for the first year.

Send résumé and three letters of recommendation to:

**Professor M. C. Ganoza
Banting and Best Department of Medical Research
Charles H. Best Institute
University of Toronto
112 College Street
Toronto, Ontario, Canada M5G 1L6**

The Department of Physics at Kansas State University has been given the option of filling the previously advertised **VISITING SENIOR FACULTY POSITION** on a permanent basis at the rank of **PROFESSOR**. Any person chosen to fill this position should have considerable experience in theoretical physics in one or more of the research areas previously indicated in the advertisement in *Physics Today*, December 1975 and January 1976. In addition, it will be required that the person have considerable experience in teaching at both the undergraduate and graduate level. The Department of Physics reserves the right to offer an appointment for this position either on a regular or visiting basis. All applicants for this position as previously advertised will be considered on the basis of a regular or visiting appointment. *Kansas State University is an Affirmative Action/Equal Opportunity Employer.* Interested persons should send a brief résumé of professional and academic experience before 15 February 1976 to **Professor C. E. Hathaway, Department of Physics, Kansas State University, Manhattan, Kansas 66506.**

POSITIONS OPEN

POSTDOCTORAL POSITION. Morphological, cytochemical, and physiological studies of salt transporting epithelia, including localization of sodium transport sites. Experience in relevant physiological and/or morphological methods desired. Available 1 March 1976. Send curriculum vitae, summary of current research, and three letters of recommendation to **Dr. S. A. Ernst, Department of Anatomy, Temple University School of Medicine, 3401 North Broad St., Philadelphia, Pa. 19140. An Equal Opportunity/Affirmative Action Employer.**

RESEARCH SERVICE AWARDS

Postdoctoral Research Service Awards from the National Institute of Dental Research are available in nutrition emphasizing problems dealing with development and/or connective tissue metabolism. Candidates should be U.S. citizens or residents and hold an M.D., D.D.S., or D.V.M., or Ph.D. in a biological science field. Stipends start at \$12,500. Opportunity is provided for further academic training in nutrition. Send résumés or inquiry to **Dr. L. S. Hurley or Dr. R. B. Rucker, Department of Nutrition, University of California, Davis, California 95616. An Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE: Opening in renal medicine early in 1976. To collaborate in isolated organ research concerning the hemoperfused pump-oxygenator-kidney preparation. M.D. or Ph.D. degree in physiology required. Send résumé and names of two references to: **Dr. William H. Waugh, School of Medicine, East Carolina University, Greenville, North Carolina 27834. An Equal Opportunity/Affirmative Action Employer.**

SENIOR RESEARCH ASSOCIATE

A position is available in the Department of Chemistry for a highly qualified scientist with a Ph.D. in chemistry or biochemistry and at least 3 years of experience in protein chemistry and related preparative and analytical techniques. Knowledge of radiation chemistry highly desirable. Research involves radiation effects in proteins and metallo-proteins, and is related to the radiation preservation of food. Salary \$16,000 to \$18,000. Position is available immediately. Send résumé and three letters of recommendation to **Professor M. Z. Hoffman, Department of Chemistry, Boston University, Boston, Mass. 02215. An Equal Opportunity/Affirmative Action Employer.**

UNIVERSITY OF TROMSØ NORWAY INSTITUTE OF BIOLOGY AND GEOLOGY SENIOR POSITION IN MARINE BIOLOGY

The Institute has a vacancy for a marine biologist at the level of reader/professor. Applicants should have a broad background in marine biology (preferably zoology). Teaching responsibilities will be in oceanography/marine zoology, both at undergraduate and graduate levels. The main research program in aquatic biology at present and in the near future is the Fjord Project, a team approach to the ecosystem dynamics of fjords with emphasis on the economically important populations of fish, plankton, and benthos. The successful applicant is supposed to contribute to the Fjord Project research. Main facilities for aquatic research are a new lab and a teaching building, a small marine station and a field station, a new research vessel by 1976-77, and reasonably good library computer service.

Salaries: professor 120.341,-, reader 110.322,- N.Kr. per year. The University will help with housing and other problems. Applications should be sent by 31 January 1976, including five copies of curriculum vitae and three sets of relevant publications.

Formal applications should be addressed to **Universitetet i Tromsø, Postboks 635, 9001 Tromsø, Norway.** Further inquiries should be addressed to **Lecturer Ola Vahl, same address.**

TOXICOLOGISTS (DVM/PhD)

Two positions are available at the **Schering Corporation Pathology and Toxicology Laboratory, located in Northwestern New Jersey**

The desirable candidates will have a DVM, or PhD in Pharmacology/Toxicology (or equivalent). Emphasis will be placed on practical experience. Consideration will be given to outstanding candidates without experience. Responsibilities include development of protocols, implementation, and monitoring of safety studies on potential therapeutic agents, and the preparation of reports. Skill in oral and written communications highly desirable.

Please send resume in confidence to: Manager, Research Personnel, **SCHERING RESEARCH CENTER, 60 Orange Street, Bloomfield, New Jersey 07003.**

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POSITIONS OPEN

POSTDOCTORAL POSITION

Postdoctoral position available immediately. Cell biologist to participate in project dealing with bone ultrastructure, effect of hormones on bone cell differentiation. Background in electron microscopy and/or cell culture desirable but not essential. Stipend: \$10,500. Reply to: **Dr. H. Schraer, Department of Biochemistry and Biophysics, Pennsylvania State University, University Park, Pa. 16802.**

PUBLISHING: New York-based publisher of advanced scientific books and journals has opening for **acquisition editor** responsible for life sciences, earth sciences, and adjoining subjects. M.Sc., production and marketing experience desirable. Résumé/transcripts to **Box 11, SCIENCE.**

RESEARCH ASSOCIATE. Participate in research on the assembly and metabolism of the myelin sheath. Recent Ph.D. in biochemistry or a related area and an interest in neurobiology. Salary \$10,000 to \$11,000 depending on experience. Position available 1 May 1976. Send curriculum vitae and the names of two references to **Dr. Pierre Morell, Biological Sciences Research Center, Division of Health Affairs, University of North Carolina, Chapel Hill, North Carolina 27514. An Equal Opportunity/Affirmative Action Employer.**

UNIVERSITY OF QUEENSLAND SENIOR LECTURER IN BIOCHEMISTRY

Applicants should hold a higher degree in biochemistry and have a commitment to research. Preference may be given to applicants who hold a degree in veterinary science and with experience in veterinary biochemistry. Quote Reference No. B59475, 27 February 1976.

Salary: senior lecturer, \$A16,512 to \$A19,193 per annum.

Other benefits: lecturer and above, superannuation, housing assistance, study leave, traveling, and removal expenses.

Additional information and application forms are obtainable from the **Staff Officer, University of Queensland, St. Lucia, 4067, Australia.**

SOIL BIOLOGIST

The Department of Biology of Harvard University is seeking a soil biologist to be appointed assistant professor 1 July 1976. The new appointee will be based at the Harvard Forest in Petersham, Mass., with teaching responsibilities both in Petersham and Cambridge. Applicants will be considered whose interests lie in soil biology including work with soil organisms, such as bacteria, algae, fungi, invertebrates, or higher plants. Send curriculum vitae, the names of three references, and a statement of your research interests to: **John G. Torrey, Harvard Forest, Petersham, Mass. 01366.**

Harvard University is an Equal Opportunity/Affirmative Action Employer.

SURGICAL PATHOLOGIST. Faculty position at assistant professor level will be available beginning 1 July 1976 in the Department of Pathology, University of California, San Francisco, for a surgical pathologist, Board-certified in anatomic pathology, preferably with special interest and experience in gynecologic pathology and diagnostic cytology. In addition to service work, duties include teaching pathology residents, house staff, and medical students. Diagnostic material available offers excellent opportunity for correlative clinical pathologic studies. California medical license or eligibility required. Address curriculum vitae by 1 March 1976 to: **Search Committee, Department of Pathology, University of California, San Francisco, California 94143. An Equal Opportunity/Affirmative Action Employer.**

VIROLOGISTS

Two postdoctoral positions are immediately available to study biochemical aspects of influenza and parainfluenza virus replication as well as antigenic variation in influenza viruses. Inquiries and curriculum vitae should be sent to **Dr. R. G. Webster and Dr. D. W. Kingsbury, Department of Virology, St. Jude Children's Research Hospital, P.O. Box 318, Memphis, Tennessee 38101.**

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POSITIONS OPEN

RESPIRATORY PHYSIOLOGY TRAINEESHIPS

Postdoctoral traineeships, 1 to 3 years, available July 1976. Emphasizes training in cellular as well as classical respiratory physiology. Nine faculty members. *An Equal Opportunity Employer.* Write: **Director, Respiratory Physiology Group, Department of Physiology, School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania 19174.**

ZOOLOGIST—ANIMAL PHYSIOLOGIST

Ph.D. with strong research background. Must be capable of teaching invertebrate and vertebrate biology and invertebrate and vertebrate physiology. Entomological, mammalogical, or ornithological interests also desirable.

Position involves undergraduate and master's teaching and research. Rank and salary dependent upon qualifications. Send curriculum vitae by 15 February 1976 to **Biology Search Committee, California State College, California, Pennsylvania 15419**, for September 1976 employment.

An Equal Opportunity/Affirmative Action Employer

FELLOWSHIPS

FELLOWSHIPS IN INDUSTRIAL HYGIENE

Fellowships leading to master of science in hygiene degree are available under a NIOSH Training Program at the Graduate School of Public Health, University of Pittsburgh. The training is available in industrial hygiene engineering, chemistry, and toxicology for people with physical or biological sciences or engineering undergraduate education. Exceptionally well qualified social science majors with sufficient physical and biological science background may also be considered. Send inquiries and applications to **Dr. N. A. Esmen, Graduate School of Public Health, University of Pittsburgh, 130 DeSoto Street, Pittsburgh, Pa. 15261.**

POSTDOCTORAL FELLOWSHIPS IN NEUROBIOLOGY. Open to holders of Ph.D., M.D., D.Sc. Stipends (depending on experience) \$11,000 to \$16,000. Available preceptors: Drs. Wayne Albers, Gilbert Ashwell, Roscoe Brady, Harold Gainer, Helen Hess, William Jakob, Phillip Nelson, Marshall Nirenberg, Sean O'Reilly, Thomas Reese, Henry De. F. Webster. Send curriculum vitae and names of three referees to:

**Dr. Sean O'Reilly
George Washington University Medical Center
2150 Pennsylvania Avenue, NW
Washington, D.C. 20037**

FELLOWSHIPS

Postdoctoral research fellowships in cardiovascular, endocrine, and renal physiology. Candidates must have M.D. or Ph.D. degree and be U.S. citizens. Applicants send curriculum vitae and names of three references to **Chairman, Department of Physiology, Dartmouth Medical School, Hanover, New Hampshire 03755.**

POSTDOCTORAL FELLOWSHIPS are available for research at all levels of the visual process from insect visual systems to human vision. Emphasis is placed on analysis of biological systems by application of the techniques of nonlinear analysis, control and communication theory, and computer data processing. Applicants should have experience in these areas. Curriculum vitae should be sent to: **Dr. G. D. McCann or Dr. D. H. Fender, Mail Code 286-80, California Institute of Technology, Pasadena, Calif. 91125**, starting in January 1976. *Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL FELLOWSHIPS IN PHYSIOLOGY

Postdoctoral training is available in endocrinology, renal physiology, and neurophysiology. Candidates must have a Ph.D., M.D., D.V.M., or comparable degree. Fellowships will begin 1 July 1976, with a stipend of \$10,000.

Send curriculum vitae and the names of three references to:

**Dr. Leonard Share
Department of Physiology and Biophysics
University of Tennessee Center for the Health Sciences
Memphis, Tennessee 38163**

Equal Opportunity/Affirmative Action Employer

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS BEGINNING SUMMER 1976

University of California, Irvine. Several positions available for postdoctoral fellows, beginning summer 1976, in the Center for Pathobiology. Recent Ph.D. required, preferably in the area of cell biology, developmental biology, or genetics. Candidates to work on problems of pattern formation, determination or morphogenesis in hydra (with Drs. R. D. Campbell or H. R. Bode), *Drosophila* (with Drs. P. J. Bryant or H. A. Schneiderman), or amphibian appendages (with Dr. S. V. Bryant). *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Send résumé, the names of three referees, and a brief description of research interests to: **Dr. S. V. Bryant, Center for Pathobiology, University of California, Irvine, Irvine, California 92717.** Closing date for applications: 7 March 1976.

TRAINING SESSIONS

Two-week session in Transmission and Scanning Electron Microscopy for Biologists, 14 to 25 June. Staff of 14 internationally recognized experts in EM techniques. Lectures and laboratory experience in TEM, SEM, freeze-fracture, and freeze-etch techniques.

Maximal enrollment of 12. If interested, please apply early, stating how the techniques can be useful in your work. Tuition, room, and board: \$1200.

For information and application form, write to:

**Dr. Eve L. MacDonald, Director
Wilson College Institute for Electron Microscopy
Chambersburg, Pa. 17201**

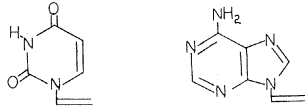
PROGRAMS

DOCTORAL PROGRAM—PHARMACOLOGY Medical University of South Carolina, Department of Pharmacology, seeks candidates for Ph.D. program. Interdisciplinary environment with capabilities ranging from GC-MS through cell cultures and animal studies to clinical studies of patients. Research training available in biochemical, cardiovascular, and clinical pharmacology, drug metabolism, toxicology, and analytical chemistry. Stipends available: \$3900 per year. Contact: **Department of Pharmacology, Medical University of South Carolina, Charleston, S.C. 29401.**

GRADUATE TRAINING PROGRAM IN OCCUPATIONAL HEALTH AND SAFETY OR RADIOLOGICAL HEALTH. September 1976. Twelve-month interdisciplinary programs leading to the M.S. degree. Involves instruction in all aspects of occupational health and safety or radiological health, seminars, special projects, field trips, and conferences. A limited number of fellowships are available. For further information write to: **Dr. Samuel Elkin, Director, Center for Environmental Studies, Temple University, 3307 North Broad Street, Philadelphia, Pennsylvania 19140.**

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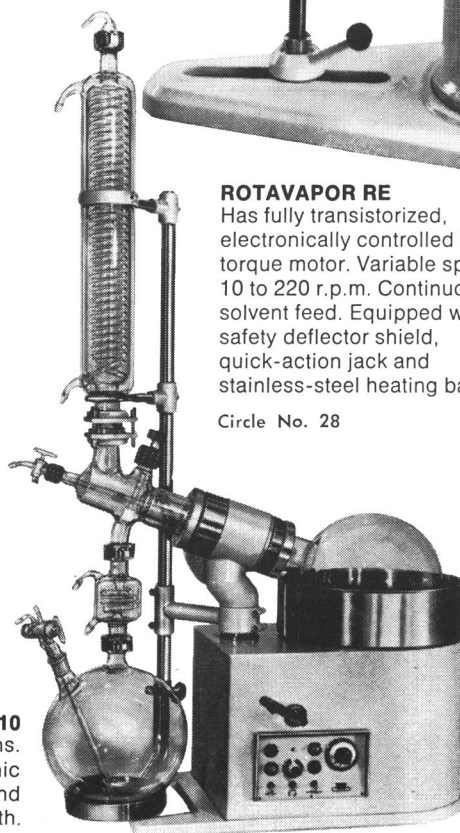
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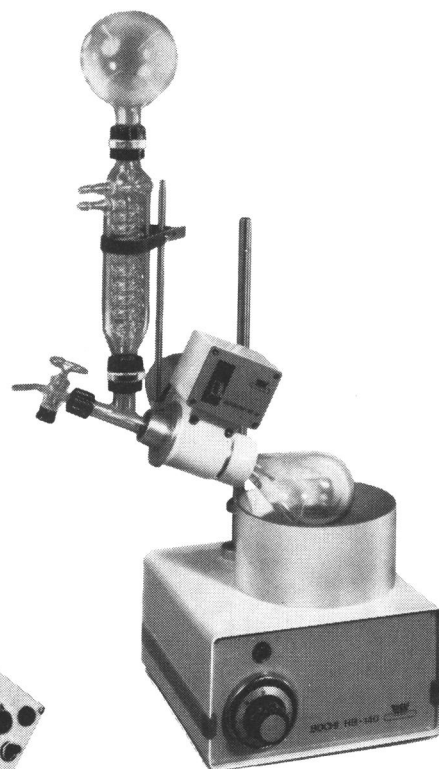
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ROTAVAPOR R-10

Designed for large volume applications. Has 10 liter flasks, mechanical lift, electronic speed control (10 to 150 r.p.m.) and thermostatically-controlled heating bath. For batch or continuous-feed operations.

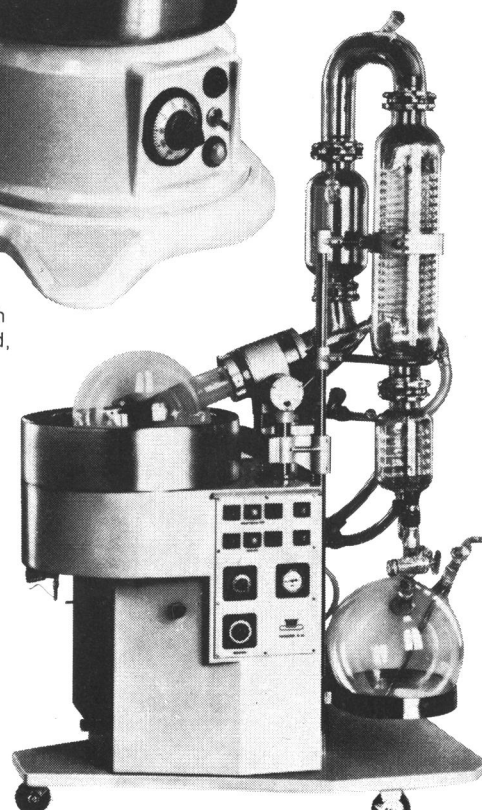
Circle No. 27



SMALL VOLUME ROTAVAPOR M

For evaporations, organic synthesis, and analysis of volumes 5 to 100 ml. Rotates at 150 r.p.m. All glassware is threaded. Comes with 4 evaporating and 3 receiving flasks plus extra vacuum seals. Less than 2 ft. wide.

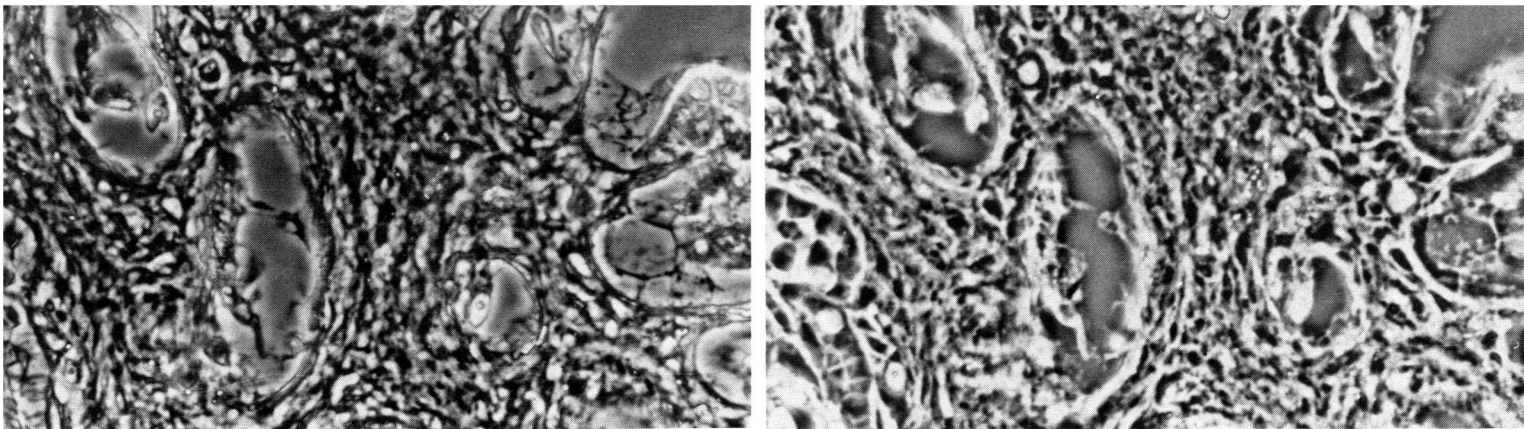
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ROTAVAPOR R-50EX

Explosion-proof Pilot Plant Model for large volume extractions. 50 liter capacity flasks, high throughput of solvent. Variable speed motor. For batch or continuous-feed operations.

Circle No. 30



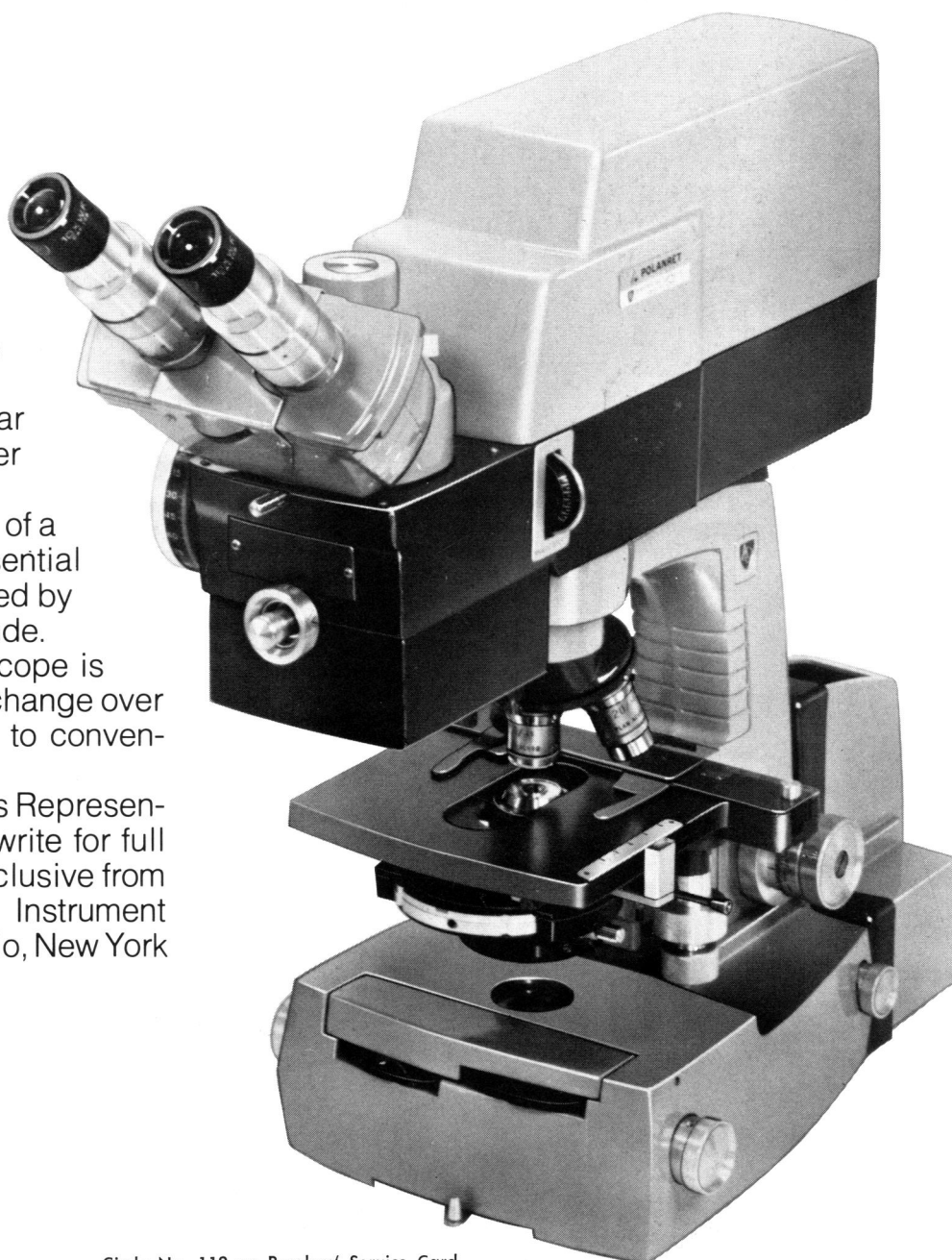
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