

AAAS Annual Meeting : San Francisco

24 February-1 March 1974

FAMILY ACTIVITY INFORMATION COMMITTEE

Location of Headquarters:

Hilton Hotel: Information Desk, East Lounge

Sheraton-Palace Hotel: Information Desk, Main floor; Hospitality Room, Royal Suite, Rooms 262-264, Monday through Thursday

"BEST-OF-SAN-FRANCISCO" TOURS

Get-Acquainted City Mini-Tour

Monday, 25 February, 12:30 p.m. to 4:30 p.m. \$6.50

Through Financial District and Chinatown [Cha Siew Bow (Chinese hot steamed bun) served on board] to Fisherman's Wharf, Ghiradelli Square, The Cannery, Union Street's antique shops and bistros; Victorian residential areas of Pacific Heights; through Sea Cliff manors, the Consulates, the Presidio and stop at Palace of the Legion of Honor by new St. Mary's Catholic Cathedral, Civic Center, and other historic landmarks.

Marin County All-Day Adventure

Wednesday, 27 February, 9:30 a.m. to 4:00 p.m. \$9.50

Across the Golden Gate Bridge to Muir Woods (redwood grove), Frank Lloyd Wright's Marine Civic Center; no-host lunch, browse and shop in Sausalito; afternoon: choice of (a) guided tour and movie of U.S. Army Corps of Engineers' Bay Model or (b) tour through Tiburon and Belvedere home and shopping areas; home by Bay ferry (dutch treat) if you wish.

Bay Area Museum Maxi-Tour

Thursday, 28 February, 9:30 a.m. to 4:30 p.m. \$10.50

Docent-guided tours of De Young Museum in Golden Gate Park (stop at Japanese Tea Garden), across the Bay Bridge to the Eero Saarinen-designed New California Regional Museum in Oakland; no-host lunch, and the Lawrence Hall of Science above the University of California campus.

Charges include bus fare, guide, and any entrance fees. All tours leave from O'Farrell Street entrance of the Hilton Hotel. Each tour is contingent upon 40 paid reservations in hand by 15 February.

Make checks payable to FAMILY ACTIVITY INFORMATION COMMITTEE and mail to **Mrs. Edward J. (Sara) Lofgren, Chairwoman, 1937 Yosemite Road, Berkeley, Calif. 94707** by 15 February.

I enclose check for \$_____ for the following tours: City ☐; Marin ☐ with (choose one) (a) Bay Model ☐ or (b) Tiburon tour ☐; Museum ☐

Name Convention address and phone

Home address City State Zip

SPECIAL INTERESTS: Information and "Buddy Tours"

If you have a special interest not covered by the "Best-of-San-Francisco" tours listed above, complete the following coupon.

My special interest is _____

Please have information available for me about it ☐

Please put me in touch with other(s) with the same interest ☐

Name

Home address City State Zip

Name of AAAS member I will be with Convention address and phone

Please return to **Mrs. Edward J. (Sara) Lofgren, Chairwoman, Family Activity Information Committee, 1937 Yosemite Road, Berkeley, Calif. 94707. Telephone: 415-524-7650.**

Personnel Placement

It is requested that only those employers who will not discriminate on the basis of race, sex, religion, color, or national origin submit positions open advertising.

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

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

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

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

Replies to blind ads should be addressed as follows:

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

POSITIONS WANTED

Botanist/Plant Ecologist, Ph.D. Desires teaching/research position. Postdoctoral experience. Publications. Box 605, **SCIENCE**. X

Microbiologist/Molecular Biologist; young, vigorous Ph.D. seeks challenging industrial or postdoctoral position. Electron microscopy experience. Expertise in membrane protein/glycoprotein components (structure/function); isolation/characterization (gel electrophoresis, and so forth); and cell surface expressions. Publications. Box 606, **SCIENCE**. X

Neuroscientist, Theoretical, Ph.D. 1968, desires research/teaching position in interdisciplinary brain research program. More than 20 years of experience in neurocommunications, teaching, electrophysiology, electronics, computers, statistical communication theory, and engineering. Interested in holographic approaches to brain and have published in this area and others. Box 607, **SCIENCE**. X

Radiation/Molecular Biologist, Ph.D. 1970. Experience: radiation effects and macromolecular synthesis, cellular control mechanisms, and DNA repair. Seeks research/academic position. Box 608, **SCIENCE**. X

Technical Translator. Well versed in Japanese and Chinese. U.S. immigrant. M.S. organic chemistry, B.S. biology. Research and publication in analytical biochemistry. Experienced in translation. Box 609, **SCIENCE**. X

POSITIONS OPEN

ANATOMY/PHYSIOLOGY

Applications are being sought to fill a position to teach Anatomy and Physiology in a private, undergraduate, liberal arts college. A Ph.D. with a good background in general biology, a primary interest in teaching and a commitment to quality undergraduate education is desired. Send résumé to: **Chairman, Search Committee, Biology Department, Merrimack College, North Andover, Mass. 01845.**

CHAIRMAN, DEPARTMENT OF ANATOMY
Applications are sought for the position of Chairman, Department of Anatomy, University of Southern California School of Medicine, Los Angeles, California. Send curriculum vitae to **Chairman of Search Committee, Department of Pathology, Hoffman 204, 2025 Zonal Ave., Los Angeles, California 90033.** Appointment to be effective in spring or summer 1974.

The University of Southern California is an equal opportunity, affirmative action employer.

28 DECEMBER 1973

POSITIONS OPEN

THE UNIVERSITY OF WISCONSIN ANATOMY DEPARTMENT

is seeking a scientist to fill a faculty position as Associate or Full Professor in Gross Human Anatomy. A positive long-term commitment to teaching gross human anatomy; a vigorous, funded research program and interest in training Ph.D. candidates are necessary qualifications for this position. Men and women of any ethnic background having the qualifications listed are invited to correspond directly with:

Dr. David B. Slautterback
Anatomy Department
University of Wisconsin
Madison, Wisconsin 53706

The University of Wisconsin is an Equal Opportunity Employer

TWO FACULTY OPENINGS ANATOMIST AND PHYSIOLOGIST

Openings at either assistant or associate professor levels are expected in this department for:

- 1) An anatomist capable of teaching histology (histophysiology) and functional human anatomy.
- 2) A physiologist capable of teaching human biology and mammalian physiology.

Applicants should have superior research and teaching qualifications that interface with ongoing activities in the department in cell and membrane biology, neurophysiology, and endocrinology.

Send biographical data, publication list, and at least three letters of recommendation to:

Search Committee
Department of Physiology-Anatomy
University of California
Berkeley, California 94720

An equal opportunity employer through affirmative action

WESLEYAN UNIVERSITY, an equal opportunity, affirmative action employer, has an opening for an **ASSISTANT PROFESSOR** beginning fall, 1974. Preference for biochemist with strong background in chemistry and ability to teach a sophomore inorganic course. Bioinorganic chemists will be considered. Concise curriculum vitae, including descriptions of teaching and research interests, should be sent to **Prof. Paul Haake, Chemistry Department, Wesleyan University, Middletown, Connecticut 06457.** Do not send letters of recommendation until requested.

ASSISTANT PROFESSOR

Position available 1 July 1974, Section of Cell Biology, Division of Biological and Medical Sciences, Brown University. Duties include independent research, as well as teaching in histology and cytology. Postdoctoral experience preferred. Submit curriculum vitae, research proposal, reprints of publications, and three reference letters to **Dr. R. A. Ellis, Division of Biological and Medical Sciences, Box "G," Brown University, Providence, R.I. 02912.** *An equal opportunity, affirmative action employer.*

ASSISTANT PROFESSORSHIPS IN DEVELOPMENTAL BIOLOGY/ELECTRON MICROSCOPY AND COMPARATIVE PHYSIOLOGY

(i) DB/EM: teach undergraduate course in developmental biology, and graduate courses in EM; supervise EM facility. (ii) **COMPARATIVE PHYSIOLOGIST:** strong orientation towards ecology desired. Teach at undergraduate and graduate levels.

Send curriculum vitae, letters of recommendation, and publications to **Paul P. Weinstein, Chairman, Department of Biology, University of Notre Dame, Notre Dame, Indiana 46556.** *The University of Notre Dame is an Equal Opportunity, Affirmative Action Employer.*

ASSISTANT PROFESSOR—BIOPHYSICS AND THEORETICAL BIOLOGY

The University of Chicago is seeking applicants for appointment at the Assistant Professor level in the fields of molecular biology and structural analysis of macromolecules, effective in the fall of 1974. Candidates should have sufficient pre- and postdoctoral experience to have demonstrated independence and originality in accomplished research, and should be capable of teaching at both graduate and undergraduate levels. Applicants should request referees to write and should send curriculum vitae, bibliography, and a summary of research plans to the **Chairman, Department of Biophysics and Theoretical Biology, University of Chicago, 920 East 58 Street, Chicago, Illinois 60637.**

From the time of its original charter, the principle of The University of Chicago has been to appoint scholars without regard to race, color, religion, sex, or national origin.

POSITIONS OPEN

Biochemical Pharmacologist Ph.-D.

Research Associate-nuclear medicine program involving basic biochemistry and pharmacology of carrier free carbon-11 and fluorine-18 labeled catecholamines, purines, pyrimidines, etc., in tissue localization and metabolic research. Opportunity for radio-pharmaceutical design and development work. Ability to do animal work and cell constituent isolation desirable.

Reply Chmn., Chemistry Dept.

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National Laboratory
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ASSISTANT OR ASSOCIATE PROFESSOR/BIOCHEMISTRY

Two positions available 1 March 1974. Individuals filling both positions will have full-time duties in the teaching and research activities of the Department of Biochemistry, Texas Tech University School of Medicine. Teaching responsibilities will include medical student teaching, graduate student teaching, and allied health student teaching. Each candidate must possess the Ph.D. and/or M.D. and have research experience and publications in appropriate journals.

One position is open for an individual with interests and demonstrated research experience in the area of immunochemistry. The second position is open for an individual with training and demonstrated research experience in clinical biochemistry and with current certification by the American Board of Clinical Chemists.

Send résumé, publications, and references to **F. J. Behal, Chairman, Department of Biochemistry, Texas Tech University School of Medicine, Lubbock, Texas 79409.**

Texas Tech University School of Medicine is an equal opportunity employer/affirmative action employer.

The Research Institute of Pharmaceutical Sciences, School of Pharmacy, University, Miss., is seeking candidates for two positions: (1) **ASSISTANT DIRECTOR OF BIOLOGICAL SCIENCES**, (2) **INVESTIGATOR IN THE BIOLOGICAL SECTION.** Candidates with a background in pharmacological screens are of particular interest. Both positions require a Ph.D. degree in Pharmacology or Toxicology. Salary will be commensurate with experience and equivalent academic positions. Interested persons should send biographical data, publications, and so forth, to **Dr. Carlton Turner, Associate Director, Research Institute of Pharmaceutical Sciences, School of Pharmacy, University, Miss. 38677.**

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UNIVERSITY OF ROCHESTER DEPARTMENT OF BIOLOGY

Junior or senior faculty positions in population biology to begin September 1974. Areas to be considered include: (i) theoretical and experimental ecology and genetics of populations, (ii) evolution and adaptive significance of macromolecules, (iii) genetic analysis of evolutionary processes. Applicants must present evidence of research achievement, teaching competence and a description of current activities. Send curriculum vitae and have three letters of recommendation sent to **Population Biology Search, c/o Dr. Paul R. Gross, Chairman, Department of Biology, University of Rochester, Rochester, New York 14627.** *Equal Opportunity Employer with an Affirmative Action Program.*

BIOLOGY/ESTUARINE INVERTEBRATES

Small state liberal arts college on a Chesapeake estuary seeks invertebrate zoologist as faculty member (Instructor or Assistant Professor) to teach undergraduate biology courses beginning September 1974. Knowledge and experience with estuarine invertebrates needed to complement current staff of six. Ph.D. preferred. Send résumé by 1 February to: **Dr. C. M. Wilson, Chairman, Science Division, St. Mary's College of Maryland, St. Mary's City, Md. 20686.** *Affirmative Action/Equal Opportunity Employer.*

CHAIRMAN. The Department of Physics and Astronomy at the University of Toledo is at present considering applications for the position of chairman of the department. We are seeking an enthusiastic educator who has considerable research and administrative experience. The salary is negotiable and commensurate with the background and experience of the person selected to fill the position. *The University of Toledo is an equal opportunity/affirmative action employer.* For further information please contact **Prof. R. Bohn, Chairman of the Search Committee, The University of Toledo, Toledo, Ohio 43606.**

CHAIRMAN, DEPARTMENT OF BIOCHEMISTRY AND BIOPHYSICS. Proven educator, scholar, and research director with evidence of administrative ability. Candidate should expect to continue active research and be prepared to resume teaching. We particularly solicit female or minority group applications or nominations. **Search Committee, Department of Biochemistry and Biophysics, Iowa State University, Ames, Iowa 50010.**

CHAIRMAN, FAMILY MEDICINE

Wayne State University, School of Medicine is seeking a chairman for its newly created Department of Family Medicine. The scope of the department will include a Junior Year Clerkship, Family Practice Residency, at least three experimental models of family health care delivery, continuing education programs, research in family health care and in teaching ambulatory medicine. Interested parties are welcome to address inquiries and curriculum vitae to:

William E. Rush, M.D.
Chairman, Selection Advisory Committee
for Chairman of Family Medicine
Wayne State University, School of Medicine
540 East Canfield
Detroit, Michigan 48207

CHAIRMAN, DEPARTMENT OF GEOGRAPHY

Applications are invited for the position of Chairman of the Department of Geography, McGill University. The department has over 20 full-time faculty and students are registered for undergraduate (B.A./B.Sc.) and graduate (M.A./M.Sc./Ph.D.) degrees. Present research and teaching interests center on systematic studies of human and physical geography. The department has long-standing interests in northern lands, eastern Canada, and selected tropical areas and is involved in several interdisciplinary programs. The Chairman will be expected to administer the department and complement on-going teaching and research activities. The appointment, starting 1 June 1974, will be made at the Associate Professor level, or above, and the salary offered will reflect the applicant's rank and experience.

Send résumés and names of three referees to **Dean E. J. Stansbury, Faculty of Science, McGill University, P.O. Box 6070, Montréal, Québec, Canada H3C 3G1.**

DEPARTMENT OF CHEMISTRY, UNIVERSITY OF OREGON, subject to the availability of funds, is seeking Ph.D., preferably in physical chemistry, for assistant professorship beginning as early as fall 1974. Activities will include undergraduate and graduate teaching and research. Evaluation of applicants will be based on evidence of accomplishment and future potential in both independent research and teaching. Documents submitted should include curriculum vitae, publication list, and synopsis of future plans. Names of three references should be included.

Qualified candidates are invited to apply irrespective of race, sex, or ethnic origins. To ensure consideration documents should be received by **W. T. Simpson, Chairman, Chemistry Department, University of Oregon, Eugene, Ore., 97403** by 15 March 1974.

ENVIRONMENTAL PLANNING AND MANAGEMENT

UCLA Urban Planning Program seeks Assistant/Associate Professor for graduate teaching and research starting fall 1974. Should have environmental/life sciences training, understanding of economics, and interest in urban policy. Knowledge of modeling and statistics desirable. Must be committed to multidisciplinary work. Send curriculum vitae, names of referees, and brief statement of interest/objectives to **Prof. Martin Wachs, School of Architecture and Urban Planning, University of California, Los Angeles, Calif. 90024. An Equal Opportunity Employer.**

ETHOLOGIST

Position in ethology is available for a person with teaching and research interests in ecological and evolutionary aspects of behavior, or developmental analysis of behavior; salary open, Ph.D. required. Responsibilities to include undergraduate and graduate teaching, direction of graduate students, and development of an active research program. Starting date is August 1974. Deadline for applications, 15 February 1974. Send curriculum vitae, three letters of recommendation, and other supporting materials to: **Search Committee, Provisional Department of Ecology, Ethology and Evolution, 515 Morrill Hall, University of Illinois, Urbana, Illinois 61801.**

The University is an Affirmative Action—Equal Opportunity Employer and encourages applications from members of minority groups and women.

FACULTY POSITIONS

The Department of Biological Sciences of the State University of New York at Binghamton invites applications for two faculty positions from research-oriented people with an interest in teaching. One opening can be in any area of **Genetics**, including microbial, population, or mammalian developmental genetics. The second opening, in **Cell Biology**, will involve developing, together with an electron microscopy technician, our electron microscope facilities consisting of one scanning and two transmission electron microscopes. Rank and salary are open, but post-doctoral experience is preferable even at the Assistant Professor level. Please send curriculum vitae, reprints, and list of references to **Dr. Alan H. Haber, Chairman, Department of Biological Sciences, State University of New York at Binghamton, Binghamton, New York 13901.** *An equal opportunity/affirmative action employer.*

FACULTY POSITION

Extension Services in Pharmacy and the School of Pharmacy of the University of Wisconsin are seeking a faculty member with experience in the pharmaceutical industry to coordinate continuing education programs in technical fields and to participate in instruction in pharmaceuticals-biopharmaceutics. The joint appointment will allow the candidate to pursue personal research. Interested candidates should send their curriculum vitae to **Associate Dean Melvin H. Weinswig, School of Pharmacy, University of Wisconsin, Madison, Wisconsin 53706.**

The University of Wisconsin is an equal opportunity employer.

FACULTY POSITION

Johns Hopkins University senior position, sanitary engineering. The Department of Geography and Environmental Engineering is considering an appointment at the rank of professor in the field of sanitary and environmental engineering. The position would involve participation in research and teaching in engineering within a cooperative interdisciplinary department including natural scientists, social scientists, and engineers. Qualifications include interest in teaching, research productivity and the practice of engineering. Inquiries should be directed to **Professor Willis Gore, Department of Electrical Engineering, Johns Hopkins University, Baltimore, Maryland 21218.**

GEOLOGY FACULTY POSITIONS

The Geology Department of the University of South Carolina anticipates filling two vacant faculty positions effective September 1974.

Applications are being sought for an experienced petrologist with a strong commitment to teaching and field studies. The second post at associate or full professor level is open. Applicants should have strong interest in research and in collaborative work.

The department has major research programs in coastal processes, geomorphology, and stratigraphy, Appalachian and North African geology, rock mechanics, paleomagnetism and seismology.

Requests for further information and applications with curriculum vitae and letters of recommendation should be addressed to: **Professor Alan E. M. Nairn, Chairman, Search Committee, Department of Geology, University of South Carolina, Columbia, South Carolina 29208.**

The University of South Carolina is an equal opportunity/affirmative action employer.

Microbiol Biochemist

A challenging position is available in one of our R & D units for a scientist to conduct independent research in areas which include: isolation and identification of bacteria, fungi, mycoplasma, and viruses; and/or the evaluation of physical and chemical sterilization methods.

Candidates must have a Ph.D. in biochemistry or microbiology and at least 5 years post-doctoral experience and publications in related work. Must have an interest in and ability to communicate with both technical and non-technical personnel.

Location: Kalamazoo, Michigan, a medium-sized community near lakes and recreational areas. Excellent living and working conditions.

Send complete résumé including salary requirements to
M. F. Murray, Technical Employment Representative

Upjohn

THE UPJOHN COMPANY

7171 Portage Road

Kalamazoo, Michigan 49001

An Equal Opportunity Employer, M/F

PHARMACOLOGY ADMINISTRATOR

We are the R&D department of a major international consumer products corporation. Due to our continued growth, we require an administrative level professional to assist in the total pharmacology program. Emphasis would be on product safety, toxicity testing, and professional relations. You should have a related Ph.D. degree and 5 or more years of experience (preferably industrial). Administrative experience is not prerequisite. We are located in central New Jersey and offer an excellent salary and benefits package.

Please submit résumé in confidence to:

**Box S794,
810 7th Avenue, New York, N.Y. 10019**

An Equal Opportunity Employer

Organon Fellowships

Organon is an ethical drug manufacturer with research facilities in the Netherlands and abroad.

Within its broad programme of research in chemistry and basic medical sciences Organon is prepared to offer to a few candidates with

M.D. or Ph.D. degree

in its Oss (Netherlands) unit, advanced training and research facilities in endocrinology, pharmacology, drug metabolism, veterinary pathology and comparative animal physiology.

Candidates must have obtained their M.D. or Ph. D. degree within the last three years. Duration of fellowships is minimally 12 months with the possibility of extension. Financial arrangements depend on age and training of candidates and will be approximately in line with current academic remuneration in Holland.

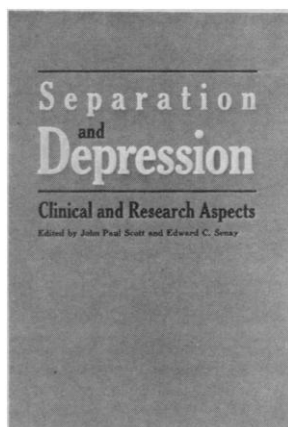
As English is the official company language, fluency in English is essential.

There are no restrictions re age, sex or nationality. Candidates will be preselected on the basis of

their curriculum vitae and two letters of recommendation by professors of their own choice. Those interested are requested to apply to Dr. H. G. Wijmenga, Head Research and Development Laboratories, Organon International BV, P.O. Box 20 Oss, Netherlands.



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Separation and Depression

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John Paul Scott
and
Edward Senay

This volume brings together contributions from behavioral biology, animal behavior studies, clinical psychopharmacology, psychoanalysis, and social systems research and, thus, bridges the gaps between animal behavior models and the human clinical situation.

256 pages. Illustrations and tables. A comprehensive index, and references. Retail price: \$19.95. AAAS Member price (with check accompanying order): \$16.95. ISBN-087168-094-7

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ATTACH
LABEL
HERE

THE INTERNATIONAL LABORATORY OF MARINE RADIOACTIVITY OF THE INTERNATIONAL ATOMIC ENERGY AGENCY in MONACO has an opening at the Assistant Officer's level. The successful candidate should have knowledge and some experience in marine radioecological research and related techniques. Experience in studying the effects of stresses on marine organisms is desirable. Ph.D. or equivalent in biological oceanography or marine radioecology necessary.

Emoluments U.S. \$10,282 per annum if single, additional benefits if married. Travel and removal expenses paid. Send curriculum vitae to Division of Personnel, International Atomic Energy Agency, P.O. Box 590, A-1011 Vienna, Austria, not later than ten days from today.

THE INTERNATIONAL LABORATORY OF MARINE RADIOACTIVITY OF THE INTERNATIONAL ATOMIC ENERGY AGENCY in MONACO has an opening at the P2/P3 level. The successful candidate should have a comprehensive knowledge and experience in the analytical techniques of gas chromatography. In addition, a background in organic analytical chemistry is desirable. Ph.D. in chemistry or chemical oceanography necessary. Two to six years' experience.

Emoluments in the region of U.S. \$13,000 to U.S. \$18,000 depending on experience and qualifications. Travel and removal expenses paid. Allowances for dependent spouse and children. Send curriculum vitae to Division of Personnel, International Atomic Energy Agency, P.O. Box 590, A-1011 Vienna, Austria, not later than ten days from today.

ADMINISTRATIVE POSITION OPEN

SCHOOL OF PHARMACY UNIVERSITY OF MISSOURI—KANSAS CITY

The position of Dean of the School of Pharmacy is open for a qualified applicant who desires to assume the leadership and responsibility for pharmaceutical education in the State of Missouri. Anyone interested in this position should be a registered, graduate pharmacist, and have a Doctor of Philosophy degree in one of the pharmaceutical sciences. Previous administrative experience is desirable. The salary is negotiable. The administrative responsibilities and duties associated with this position include the following:

1. Supervision of recruitment, selection, and guidance of faculty, staff and students—both graduate and undergraduate. Direction of faculty and staff activity and advancement. Coordination of supportive administrative personnel.
2. Communication with the alumni of the School of Pharmacy.
3. General administrative duties related to fiscal and budgetary matters. Acquisition of extra-university funds to help support and promote the many programs of the School. A principal advisor to the Provosts and the Chancellor, and a regular participant in various deliberations at the University-wide level.
4. Direction of existing programs and leadership in the continuing development of the School: (a) undergraduate and graduate education programs, (b) implementation of the Doctor of Pharmacy degree program, (c) continuing education programs and (d) programs in cooperation with the School of Medicine.
5. Involvement in extra-university responsibilities. Representing the School of Pharmacy in local, state and national organizations related to the practice of pharmacy. Cooperation with the area hospital programs and personnel.

The University of Missouri is an equal employment and educational opportunity institution.

Applications are now being sought for this position. Interested persons are urged to contact the Chairman of the Search Committee before 5 January 1974: Henry Mitchell, Ph.D., Associate Provost for Health Sciences, UMKC School of Medicine, 2220 Holmes Street, Kansas City, Missouri 64108, Telephone: (816) 276-1131

POSITIONS OPEN

HEALTH PHYSICIST

A position for a Health Physicist is available 1 January 1974. The primary function of the person filling this position will be to maintain a radiation monitoring program, instruct personnel in principles and regulations related to radiation hazards, and devise and direct research training and monitoring programs to protect patients and laboratory personnel from radiation hazards.

The person filling this position must possess a Ph.D. or its equivalent from an accredited college or university in biophysics, radiation biology, physics, or any other area relevant to health or radiation physics. Substantial experience in health or radiation physics at a medical center or major hospital is required. Some administrative experience in organizing and operating a health physics program is also required.

Send résumé, publications and references to F. J. Behal, Associate Dean for Research, Texas Tech University School of Medicine, Lubbock, Texas 79409.

Texas Tech University School of Medicine is an equal opportunity employer/affirmative action employer.

HEAD, DEPARTMENT OF HORTICULTURAL SCIENCE

Applications or nominations are sought for the position of Head of the Department of Horticultural Science, North Carolina State University. Résumés should be sent to P.O. Box 5906, Raleigh, N.C. 27607. North Carolina State University is an equal opportunity, affirmative action employer.

LIMNOLOGIST, Ph.D.

To teach courses in the Limnological area and introductory courses including General Biology. Preference will be given to applicants with interests in invertebrates. Special facility in quantitative and/or physico-chemical methods desirable. Opportunities for participation in a growing graduate program in freshwater ecology and course development. Research expected. Opening at Assistant Professor level beginning fall 1974. Submit curriculum vitae and name of three references to: Dr. P. M. Johnston, Chairman, Department of Zoology, University of Arkansas, Fayetteville, Arkansas 72701. The University of Arkansas is an Equal Opportunity Employer with an Affirmative Action Program.

Assistant Professor of LIFE SCIENCE beginning September 1974. Ph.D. required with strong background in mammalian physiology; teach human physiology and anatomy to undergraduate life science and paramedical students and develop courses in areas of special interest. Send curriculum vitae and three letters of reference before 1 February to Dr. Anna M. Williams, Coordinator, Life Science Program, University of Wisconsin-Parkside, Kenosha, Wisconsin 53140. An equal opportunity employer; applications from members of minority groups and women are encouraged.

MARICULTURE BIOLOGIST. Small, well-financed mariculture company in Monterey, California, seeks Ph.D. with management capabilities and practical experience in culturing marine invertebrates through complete life cycle. Applicant should possess background in algae culture, larval development, and disease control. Job involves applied research, and development and refinement of large-scale production techniques. Salary open. Please send résumé to: Monterey Abalone Farms, 300 Cannery Row, Monterey, Calif. 93940.

MINERALOGIST. Responsibilities will include undergraduate and graduate courses and participation in other aspects of the Department's programs; to conduct a research program closely related to the petrology and/or tectonophysics studies currently being undertaken at Lamont-Doherty Geological Observatory. Academic rank will most likely be made at Assistant Professor level. The position need not be filled until the fall of 1975, but if a well-qualified candidate is found appointment will be made for the fall 1974.

ECONOMIC GEOLOGIST. An immediate opening. Responsibilities will include undergraduate and graduate courses and participation in general geology and field programs. Candidates should have a broad interest in metallogenesis and earth resources; to conduct research program closely related to Lamont-Doherty Geological Observatory's global tectonic studies and/or the satellite remote sensing program of the Goddard Institute for Space Studies. Academic rank is open.

Qualified candidates are invited to send their curriculum vitae, publications, and the names and addresses of three referees by 1 February 1974 to:

Professor Ian W. D. Dalziel, Chairman
Department of Geology
Columbia University in the City of New York
New York, N.Y. 10027

An Equal Opportunity Employer

POSITIONS OPEN

MOSQUITO ECOLOGIST, Ph.D., to participate in laboratory research and field studies in Pakistan to assess genetic methods of mosquito control. Appointment in first instance until June 1975 with probability of extension. Travel, housing and American education for grade and high school dependents provided. Salary commensurate with training experience. Submit curriculum vitae by airmail to:

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

PHARMACOLOGIST/ TOXICOLOGIST

Battelle's Columbus Laboratories has the following two immediate openings:

POSTDOCTORAL FELLOWSHIP

In molecular toxicology available 1 January 1974 for 1 year with possible renewal for a second year. The successful applicant should possess a Ph.D. in Pharmacology or Toxicology and have experience in either drug metabolism, molecular toxicology or antineoplastic drugs. Salary \$10,000 to \$12,000 per year.

STAFF PHARMACOLOGIST/ TOXICOLOGIST

The successful candidate must have training and experience in molecular pharmacology and/or toxicology, and should be experienced in the design, implementation and interpretation of basic research. The person will be responsible for research projects involving environmental pollutants, chemical carcinogens and anticancer agents; and should be able to develop viable concepts for development in the pharmacology/toxicology program. Send curriculum vitae, salary requirements and copies of publications to:



Philip L. Morris
Battelle Columbus Laboratories
505 King Avenue
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The Department of Ophthalmology and Laboratory of Neurophysiology, Good Samaritan Hospital & Medical Center, are seeking a Visual Physiologist specializing in retinal function. This investigator would be expected to conduct an independent research program on a full-time basis. The level of staff appointment and salary will be based upon experience. Send curriculum vitae, two representative publications or preprints, and names of two references to: **N. H. Barmack, Chairman, Search Committee, Good Samaritan Hospital & Medical Center, 1015 NW 22 Avenue, Portland, Oregon 97210.**

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The Zoology Department, in accord with affirmative action and university policy, is interested in hiring one person at the Assistant Professor level. Applicants must have a research interest which naturally leads to a strong commitment to develop a modern undergraduate course in **comparative vertebrate morphology**. Within this framework the specific area is not defined and we hope to attract those with a vigorous research approach. Please send curriculum vitae and a brief statement of research and teaching accomplishments and/or objectives to: **Chairperson, Department of Zoology, University of California, Berkeley, Calif. 94720.**

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NEW PROFESSIONAL PROGRAM: DOCTOR OF OPTOMETRY (O.D.). Accelerated professional program of two calendar years specifically designed for the Ph.D. in physical, biological, behavioral, or applied sciences. An opportunity for an independent professional career; program starts July 1974. **Division of Special Studies, Massachusetts College of Optometry, 424 Beacon St., Boston, Mass. 02115. Telephone (617) 261-3430, extension 35.**

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School of Public Health
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