

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.

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

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

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

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

Replies to blind ads should be addressed as follows:

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

POSITIONS WANTED

Behavioral Pharmacologist, broad background, Ph.D., 1971, 2 years' postdoctoral, teaching experience, publications. Seeks research or teaching/research position. Box 15, SCIENCE. X

Biochemical Pharmacology, Ph.D., 6 years' experience (industrial/academic) in drug disposition, protein binding, pharmacokinetics, toxicology. Seeking academic or industrial position. Box 16, SCIENCE. X

Biochemist, Ph.D. 1972. Postdoctoral experience in lipid neurochemistry-metabolism. Strong analytical background in lipid methodology. Several publications. Desires academic, postdoctoral, or industrial position in New York State or New England. Box 17, SCIENCE. 2/1, 8, 15, 22; 3/1

Biologist, M.S. Experienced in environmental health. Seeks research teaching or technical position. Box 18, SCIENCE. X

Biomaterial Scientist. Graduate research experience in electron and x-ray diffraction studies of biological specimens, active work in optical and electron microscopy. Seeks position in Canada or United States. Box 19, SCIENCE. X

Neuroscientists, husband (Ph.D., 1957), wife (Ph.D., 1966). Experience in teaching undergraduate, graduate, and medical students. Publications, grant support; current research mammalian somatosensory systems. Desire teaching-research positions in departments of neuroscience, psychology, anatomy, physiology, and/or zoology, in same geographic area. Box 7, SCIENCE. X

Pharmacologist. 30, Ph.D. (1968). Research, publications, and teaching encompassing broad area of pharmacology. Current research: behavioral and CNS pharmacology, tolerance to drugs, *Cannabis*. Returning from Australia, desires research/teaching/industrial position. Airmail: Jerry Frankenheim, Department of Pharmacology, University of Western Australia, Nedlands, W.A. 6009, Australia.

Physiologist, Ph.D., trained in clinical respiratory mechanics, seeks position in hospital or industry. Box 20, SCIENCE. X

Toxicologist, Ph.D. Expertise in safety evaluation of drugs and industrial chemicals; design, implementation, interpretation, and communication skills; familiar with EPA, FDA guidelines. Seeks challenging position. Box 22, SCIENCE. 2/1

Toxicologist, Ph.D. Three years of drug industry experience. Preclinical safety, efficacy, microbiologic evaluations. Administrative responsibilities. IND, NDA preparations. Seeks challenging, varied, and responsible position. Box 23, SCIENCE. X

POSITIONS WANTED

Social Scientist, Engineering-physics background. Interdisciplinary social science instructor-researcher. Seeks creative challenge San Francisco Bay Area. Box 21, SCIENCE. X

Virologist, Ph.D. 1972. Research interests in physiology and biochemistry of infection in plants and animals. Background in tissue culture, enzymology. Box 1554, Atlanta, Georgia 30333. 2/1

POSITIONS OPEN

ANATOMY-PHYSIOLOGY-VIROLOGY

The Edinboro State College Biology Department invites applications from qualified individuals with the Ph.D. in either of these areas. We expect to fill two positions for the fall of 1974 on a 1-year temporary basis, with the possibility of renewal, at the rank of Assistant or Associate Professor. The department offers a B.A. and B.S. in Biology, B.S. in Medical Technology, B.S. in Secondary Education, and the M.S. and M.Ed. in Biology to 500 majors and a total college enrollment of 7400. Please send curriculum vitae and letters of recommendation to: **Frank T. Bayliss, Chairman, Department of Biology, Edinboro State College, Edinboro, Pa. 16412** by 8 March 1974. *The College is an equal opportunity, affirmative action employer.*

HEAD-DEPARTMENT OF ANATOMY

Applications are invited for the position of head of the department of anatomy at Wayne State University School of Medicine. The position calls for a man or woman having either a Ph.D. or M.D. degree with a strong background in anatomy. Qualified candidates should manifest scholarship in research and teaching along with administrative capacity. The deadline for receipt of applications is 5 April 1974. Starting date and salary are open.

Send letters of inquiry, curriculum vitae, and names of three references to **Dr. Richard S. Berk, Department of Immunology & Microbiology, Wayne State University School of Medicine, Detroit, Mich. 48201**. *We are an equal opportunity employer.*

FACULTY POSITION IN THE DEPARTMENT OF ASTRONOMY, HARVARD UNIVERSITY

The Department of Astronomy invites applications for the position of Assistant Professor to begin in the summer or fall of 1974. The initial term may be 3 years or 5 years.

Letters of application should be accompanied by a résumé of experience in teaching and research, a statement of research interests, and a bibliography. The applicant should request three astronomers or physicists to write directly to Prof. A. Dalgarno, Chairman, giving their evaluation of the applicant's abilities. Applicants are expected to have received their Ph.D. at least 1 year before taking up this post.

Harvard University is an Equal Opportunity Employer with an Affirmative Action Program, and it encourages applications from women and members of minority groups.

Send applications to the **Department of Astronomy, Harvard University, 60 Garden Street, Cambridge, Mass. 02138** for receipt by 20 February 1974.

FELLOWSHIP

CENTER FOR ASTROPHYSICS

The Harvard College Observatory and the Smithsonian Astrophysical Observatory invite applications for **postdoctoral research fellowships**. Applications from women and members of minority groups are especially encouraged. Tenure will be at the Center for Astrophysics, Cambridge, Massachusetts. Awards, normally for 2 years, beginning 1 July 1974, will be made in various fields of astrophysics and astronomy, including Atomic and Molecular Physics, Geoastronomy, High Energy Astrophysics, Optical and Infrared Astronomy, Planetary Sciences, Radio Astronomy, Solar and Stellar Physics, and Theoretical Astrophysics. About six awards will be made.

Research capabilities include: laboratory facilities for determination of atomic properties, extensive laser tracking data for satellites, a CDC 6400 computer, x-ray satellite instruments, optical telescopes at several sites (including Mount Hopkins, Arizona), laboratories for petrographic and isotopic analysis of meteorites and lunar rocks, a 16-foot millimeter-wave telescope, access to large centimeter-wave telescopes, and data from orbiting solar telescopes.

Applicants should submit a curriculum vitae, a statement of research plans, and the names of three references to:

Dr. David Layzer
Chairman, Postdoctoral Fellowship Committee
Center for Astrophysics
60 Garden Street
Cambridge, Massachusetts 02138

Materials should reach Cambridge by 20 February 1974.

POSITIONS OPEN

UNIVERSITY OF BRITISH COLUMBIA VANCOUVER, BRITISH COLUMBIA CANADA

DEPARTMENT OF ANTHROPOLOGY AND SOCIOLOGY

Applications are invited for the post of
PROFESSOR AND HEAD

effective 1 July 1974. Preference for someone sympathetic toward both disciplines, knowledgeable about the Canadian scene, and willing to commit himself or herself to the development of the two disciplines within the Canadian context. Duties include administration of a University Department, including archaeology, social and cultural anthropology and sociology; direction of undergraduate and graduate programmes. Salary is negotiable. Applications (open until position filled) to **Dean Douglas T. Kenny, Chairman, President's Selection Committee, Faculty of Arts**.

ASSISTANT PROFESSOR

Position available in the **Department of Biological Chemistry**, University of Michigan Medical School. Must have Ph.D. or M.D. with extensive biochemical research experience and at least 2 years of postdoctoral training. Candidate must have strong chemical background with interest and experience in biological function of membranes, preferably of animal cells. Also must have interest and experience in teaching. Code #100L. Send résumé to **Box 24, SCIENCE**. *A Nondiscriminatory Affirmative Action Employer.*

ASSISTANT PROFESSOR

Position available for 1 July 1974 in the **Department of Internal Medicine**, University of Michigan Medical School. Candidates should have had clinical training in internal medicine, sufficient to have qualified him for certification by the American Board of Internal Medicine now or in the near future. Should have Ph.D. in pharmacology (with orientation toward physiology) or in physiology. Strong mathematical background highly desirable, as well as previous experience in teaching and research. Send résumé to **Box 25, SCIENCE**. *A Nondiscriminatory Affirmative Action Employer.*

ASSISTANT PROFESSOR OF CHEMISTRY

Applications are solicited from organic chemists who have exceptional qualifications and who have outstanding promise in graduate education and research. Area of research interest is open. Forward biographical data, publication list, and brief research proposals, and have letters of reference sent to **Professor John J. Eisch, Chairman, Department of Chemistry, State University of New York at Binghamton, N.Y. 13901**. *An equal opportunity/affirmative action employer.*

ASSOCIATE DEAN FOR ACADEMICS

Ph.D. required. Natural resource background. Send résumé, transcripts, three references to

H. Lowenstein
Chairman Search Committee
College of Forestry,
Wildlife, and Range Sciences
University of Idaho
Moscow, Idaho 83843

An equal opportunity/affirmative action employer.

BIOLOGISTS

Seeking applications for two positions academic year 1974, research/teaching areas Microbiology, and Plant or Population Ecology. Send résumés by 15 February to

Dr. M. Dale Arvey, Chairman
Department of Biology
University of North Carolina
Charlotte, North Carolina 28213

UNC is an equal opportunity affirmative action employer

BIOLOGY POSITIONS. Applications are invited for three positions at the Assistant Professor level. Ph.D.'s with specialties in marine vertebrate ecology, terrestrial vertebrate ecology, or systems physiology may apply. Combined interests in behavioral biology desirable. Teaching responsibilities will include basic biology courses. Submit curriculum vitae and three references to: **Search Committee, Biology Department, California State University, Los Angeles, Calif. 90032**.

An Equal Opportunity/Affirmative Action Employer

DEPARTMENT OF BIOLOGY HARVARD UNIVERSITY

For the forthcoming academic year, this department expects to make at least two appointments at the **ASSISTANT PROFESSOR** level. Fields of interest include plant biology, genetics, immunology and developmental biology. The University is an equal opportunity employer; women and members of minority groups are specifically encouraged to apply. Please have three professional persons write us concerning you, and send your résumé, together with your most significant publications prior to 15 February 1974 to **Chairman, Department of Biology, 16 Divinity Avenue, Cambridge, Massachusetts 02138**.

POSITIONS OPEN

ANALYTICAL CHEMISTRY

The University of South Carolina Department of Chemistry seeks to fill a vacancy in analytical chemistry at the assistant professor level for September 1974. The successful applicant will be expected to show interest and ability in teaching as well as to establish a vigorous research program in his specialty. Preference will be given to areas of research in relation to the interests and needs of the department. All qualified candidates are encouraged to apply irrespective of sex, race, or ethnic origin. Interested persons should send curriculum vitae including a detailed description of research and teaching interests and the names of three individuals, from whom letters of reference can be requested, to **Dr. Benjamin M. Gimarc, Head Department of Chemistry, University of South Carolina, Columbia, South Carolina 29208.**

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

ASSISTANT PROFESSOR

Position available for 1 July 1974 in the **Nuclear Medicine Division** of the Department of Internal Medicine, University of Michigan Medical School. Candidates must be M.D. Board certified in Nuclear Medicine. Will be Laboratory Supervisor for the Clinical Nuclear Medicine Unit and in charge of the on-the-spot operation of the diagnostic services of this lab. Will also be in charge of computer service and the recruiting for the residency program. Code #800L. Send résumé to **Box 26, SCIENCE, A Nondiscriminatory Affirmative Action Employer.**

BOTANIST-MICROBIOLOGIST

One-year appointment (1974-1975) at Assistant Professor level to teach General Botany, Microbiology and two advanced courses in area of competence. Research is encouraged. Campus is waterfront on Tampa Bay. Applicants should send curriculum vitae and three letters of recommendation to **George K. Reid, Chairman, Search Committee, Collegium of Natural Sciences, Eckerd College, St. Petersburg, Florida 33733. Eckerd College is an equal opportunity/affirmative action employer.**

CELLULAR AND MOLECULAR BIOLOGY

A senior position at the rank of Full or Associate Professor is available in the Department of Biology, York University, Toronto, tenable 1 July 1974. Preferred areas of research interest are genetics and biochemistry of development, cellular and molecular genetics, neurobiology. Exceptional junior candidates may also be considered. Salary negotiable and commensurate with rank. Send curriculum vitae, reprints, and names of three referees to **Professor J. D. Friesen, Department of Biology, York University, 4700 Keele Street, Downsview, Ontario M3J 1P3, Canada.**

UNIVERSITY OF COLORADO, BOULDER DEPARTMENT OF CHEMISTRY

This department has vacancies for faculty in Biophysical Chemistry and Analytical Chemistry. The persons appointed will organize and teach undergraduate and graduate courses and direct graduate research. Junior or senior people will be considered for either position.

To apply, please send a brief biography, a list of publications, and an outline of ideas that you have for developing a program of teaching and research.

The University of Colorado cooperates fully with the Affirmative Action program and welcomes highly qualified men and women without regard to ethnic background.

Please apply before 15 February 1974 to:

**Irwin B. Wilson, Chairman
Department of Chemistry
University of Colorado
Boulder, Colorado 80302**

LOS ANGELES COUNTY MUSEUM OF NATURAL HISTORY seeks a **CURATOR OF ANTHROPOLOGY (ETHNOLOGY)**. Will identify and curate collections and plan exhibits. Requires material culture expertise in Africa, Oceania, and Americas, experience in restoration, conservation, field work, and publication; Ph.D. and 1 year of museum experience or equivalent. Salary \$15,252 with advances to \$18,996. Submit applications by 1 April 1974, to **Charles E. Rozaire, Chairman, Search Committee, Los Angeles County Museum, 900 Exposition Blvd., Los Angeles, Calif. 90007. An equal opportunity employer.**

25 JANUARY 1974

POSITIONS OPEN

DEPARTMENT OF BIOLOGY QUEEN'S UNIVERSITY KINGSTON, ONTARIO

Applications are invited for three positions in this department in the general areas (i) vertebrate biology, (ii) cell or developmental biology, and (iii) experimental plant science. Well-qualified candidates in related fields may also be considered.

Appointments will be made at the rank of Assistant Professor to start 1 July or 1 September 1974, and will initially be for a period of 1 to 3 years. Successful candidates will be expected to teach comparative anatomy, or introductory cell biology, or plant science (as appropriate), and participate in the graduate and research programs of the department.

Apply with curriculum vitae to **Dr. G. R. Wyatt, Head, Department of Biology, Queen's University, Kingston K7L 3N6, Canada.**

DEAN OF SCIENCE

Lamar University, a State University with an enrollment of 11,000 and located 90 miles east of Houston, seeks a Dean for the College of Sciences. The College of Sciences includes departments of aerospace studies, biology, chemistry, geology, physics, and psychology. Master of Science degrees are offered in biology and chemistry. Applicants should have active experience in teaching and administration and preferably be engaged in one or both currently. Position is to be assumed summer 1974. Send curriculum vitae in confidence to **Dr. Margaret Cameron, Chairman, Search Committee, Department of Chemistry, P.O. Box 10022, Lamar University, Beaumont, Texas 77710. An Equal Opportunity/Affirmative Action Employer.**

DEAN, COLLEGE OF SCIENCE AND ENGINEERING

Wright State University is seeking a Dean of the College of Science and Engineering. The University is a growing state-supported school with the main campus near Dayton, Ohio, in a metropolitan area of 1 million people. The university enrolls 11,624 students. The College has a faculty of 97 and accounts for about 34 percent of the university enrollments.

The position requires a person with qualifications for appointment of professor in one of the departments as well as appropriate teaching, research, and administrative experience.

Applicants should send dossiers by 1 April 1974 to: **Jerry H. Hubschman, Chairman, Provost's Advisory Search Committee, College of Science and Engineering, Wright State University, Dayton, Ohio 45431.**

An Equal Opportunity/Affirmative Action Employer

DIRECTOR OF MEETINGS

The American Association for the Advancement of Science is accepting applications for the permanent executive position of Director of Meetings. Applicants should possess a Ph.D. in either a natural or social science; broad knowledge of current trends in the intellectual, social, and political aspects of science; capability to direct all aspects of planning the AAAS annual meeting; and ability to manage both staff and programs.

The position is available immediately; however, consideration will be given to a delayed availability. Please send résumé, including names of at least two references, salary requirement, and date of availability to **W. R. Engelman, AAAS, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036. The Association is an Affirmative Action/Equal Opportunity Employer.**

ECOLOGIST-TAXONOMIST

Research interests open but a plant scientist with an orientation toward phytosociology, population dynamics, or autecology preferred. Teaching responsibility will be an introductory course in taxonomy and in area of specialty. Position available after 1 April 1974 at assistant professor rank. Send résumé and three references to: **H. B. Tepper, Department of Forest Botany and Pathology, State University of New York College of Environmental Science and Forestry, Syracuse, New York 13210. An equal opportunity/Affirmative action employer.**

ENDOCRINOLOGIST

Department of Biology in College VII at the University of California, Santa Cruz, is seeking an Endocrinologist for the position at the Assistant Professor level. Applicants should submit a curriculum vitae, reprints, a short statement of teaching and research plans, and the names of four references by 15 February to the **Endocrinology Search Committee, Department of Biology, Thimann Laboratories, University of California, Santa Cruz, Calif. 95064. The University is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

UNIVERSITY OF CALIFORNIA LOS ANGELES SCHOOL OF MEDICINE DEPARTMENT OF MEDICINE DIVISION OF DERMATOLOGY

Dermatologist—must be active basic investigator and capable teacher—clinician to join two existing full-time faculty in growing Division.

Applicants should submit curriculum vitae, statement of research plans, and names of three persons qualified to assess candidates' research and teaching potential to:

**Ronald M. Reisner, M.D.
Professor and Chief, Division of Dermatology
University of California School of Medicine
Los Angeles, California 90024**

The University of California is an Equal Opportunity, Affirmative Action Employer.

THE JOHNS HOPKINS UNIVERSITY IS SEEKING A DIRECTOR OF RADIATION THERAPY

The Johns Hopkins University School of Medicine is now accepting applicants and nominations for the position of Director of its Division of Radiation Therapy. Persons with a distinguished record of accomplishment in teaching, research, and clinical care in this discipline are invited to apply. It is anticipated that this opening will be filled by 1 July 1974.

Applicants and nominations will be considered without regard to race, religion, sex, or national origin and should be sent to:

**Dr. Martin W. Donner, Chairman
Search Committee for Radiation Therapy
Department of Radiology and
Radiological Science
The Johns Hopkins Hospital
Baltimore, Maryland 21205
An Equal Opportunity/Affirmative Action Employer**

The U.S. Environmental Protection Agency has openings available for the following positions at Research Triangle Park, North Carolina:

1) **EPIDEMIOLOGIST, PHYSICIAN OR RELATED TRAINING.** Field experience in epidemiology or academic training leading to the M.P.H. degree desirable but highly motivated candidates with lesser qualifications will be considered. Responsibilities will include design and execution of epidemiologic studies of the effects of environmental pollution on human health.

2) **DIRECTOR OF CLINICAL RESEARCH.** Candidates must have M.D. with at least 3 years of specialized experience in the study of cardiopulmonary functions as they are affected by external stimuli. Board certification in internal medicine, pediatrics, occupational medicine, or general preventive medicine desirable. Responsibilities to include directing an approximate 15-man staff of researchers and technicians conducting clinical studies of the effects of environmental pollution on human health.

Customary benefits of the Federal Civil Service will apply. Salaries commensurate with education and experience. Inquiries or applications should be submitted to:

**Personnel Office
Recruitment Officer (PA-HSL-1)
Environmental Protection Agency
Research Triangle Park, N.C. 27711
An Equal Opportunity Employer**

GENETICIST

The Department of Biology and Merrill College, University of California, Santa Cruz, seeks a geneticist with research interests in eucaryotic organisms for a position at the Assistant Professor level. Applicants should submit a curriculum vitae, reprints, a short statement of teaching and research plans, and the name of four references to the **Genetics Search Committee, Board of Studies in Biology, Thimann Laboratories, University of California, Santa Cruz, Calif. 95064 by 15 February 1974. The University is an Equal Opportunity/Affirmative Action Employer.**

GEOGRAPHER

ASSISTANT PROFESSOR. Permanent position. Fall 1974. Ph.D. must be completed or immediately pending. Undergraduate and graduate teaching in applied man-environment problems in developed societies. Contemporary analytical and theoretical competence is essential. Pennsylvania State offers special opportunities for those who wish to work closely with scholars in related earth, biological, and social sciences as well as in interdisciplinary institutes. Inquiries should be accompanied by résumés, statement of teaching and research interests, and names of three referees. Apply: **Wilbur Zelensky, Head, Department of Geography, Pennsylvania State University, University Park, Pa. 16802. Telephone 814/865-3433.**

POSITIONS OPEN

THE AUSTRALIAN NATIONAL UNIVERSITY CHAIR OF BIOCHEMISTRY

Applications are invited for appointment to the Chair of Biochemistry in the Faculty of Science. The Chair became vacant in November 1973 when Professor L. M. Birt resigned to take up the appointment of Vice-Chancellor Designate of Wollongong University College. It is hoped that the appointee will be able to take up duty in 1974.

The Department of Biochemistry offers courses leading to the pass and honours degree of Bachelor of Science and supervises students for the degrees of Master of Science and Doctor of Philosophy. Undergraduate teaching in biochemistry and, to a limited extent in microbiology, begins in the second year of the Bachelor of Science course. Seven semester courses at second and third year level are offered. There are seven members of the academic staff (lecturers and above).

The salary for the post is \$19,102 per annum, Australian currency.

The University provides reasonable travel and removal expenses and assistance with housing for an appointee from outside Canberra. Superannuation is on the FSSU pattern with supplementary benefits. Financial assistance towards study leave is also available.

The University reserves the right not to make an appointment or to make an appointment by invitation.

Further information and the forms which should accompany any application may be obtained from **G. E. Dicker, Acting Academic Registrar, Australian National University, P.O. Box 4, Canberra, A.C.T., 2600, Australia**, with whom applications close on 25 March 1974.

HEAD SCIENTIST QUALITY CONTROL AND PROFICIENCY TESTING Salary \$15,215 to \$18,665 Laboratory Services Branch

The responsibilities of this position include the organization and further development and implementation of an efficient and effective quality control program for the Laboratory Services Branch of the Ontario Ministry of Health involving proficiency testing and quality control in microbiology, chemistry, serology, and haematology.

The successful candidate will advise Branch Laboratories on internal quality control and will also organize and supervise the control testing of material, reagents, and equipment being used by the Laboratory.

Applications are invited from persons with an advanced graduate degree, preferably a Doctorate, with significant medical laboratory technology experience, particularly in the field of medical microbiology and quality control methodology.

This competition is open to both men and women.

Please submit an application or résumé as soon as possible to:

**Director of Personnel
Ontario Ministry of Health
11th floor, Hepburn Block
Toronto, Ontario, Canada**

POSTDOCTORAL POSITION, Pacific Northwest. Immediate, \$10,000. Toxin-cell interactions. Experience working with mammalian cell membranes required. Experience in immunology and/or tissue culture desirable. Encourage applications from women and minority group members. Send résumé and references to
Box 28, SCIENCE

FACULTY POSITION

Assistant Professor, Oral Biology Section, School of Dentistry and Microbiology and Immunology Department, School of Medicine, commencing 1 July 1974. Participate in teaching dental, medical, and graduate students microbiology and immunology and oral biology. Expertise is required in virology. Must have research experience in the area of viral and/or ulcerative diseases of the oral cavity.

Women and minority candidates are encouraged to apply.

Applicants should submit a curriculum vitae (including publication list), a summary of any teaching and postdoctoral experience, a statement of short- and long-range research plans, and the names of three persons qualified to assess the candidate's research and teaching potential.

To ensure consideration, the application and accompanying documentation should be received by either the **Chairman, Oral Biology Section, School of Dentistry, or the Chairman of the Department of Microbiology and Immunology, School of Medicine, Center for the Health Sciences, University of California, Los Angeles, Calif. 90024** by 28 February.

HUMAN BIOLOGIST

College of the Atlantic hopes to fill a position for a human biologist beginning in 1974. Suitable candidates should have a Ph.D. or M.D. degree and should have training in physiology, mammalogy, vertebrate biology, medicine, physical anthropology, or some combination.

The College is a new, 4-year institution in Bar Harbor, Maine. Our curriculum is entirely oriented around human ecology and environmental studies taken in a broad sense. Duties associated with this position will include cooperation in teaching basic courses in biology and zoology; development and teaching of a course in human biology; and, along with other faculty members and students, development of courses dealing with various aspects of the human life cycle. We hope that candidates will either already be engaged in research that offer opportunities for student involvement or will be able to develop such programs. Finally we expect that candidates will be able to interact fruitfully with faculty members and students from nonscientific areas.

We will particularly welcome female applicants for this position; however all applications will be considered. Send résumés, graduate transcripts, and letters of recommendation to **Liane N. Peach, Personnel Committee, College of the Atlantic, Bar Harbor, Maine 04609**.

DEPARTMENT OF HUMAN GENETICS, YALE UNIVERSITY

Faculty opening at Assistant Professor level in one of following fields: biochemical genetics, cytogenetics, developmental genetics, immunogenetics, or molecular genetics. Appointment could become effective on 1 July 1974. Candidates will be judged on potential for conducting outstanding investigation and on teaching effectiveness. Special interest given to applications from women and members of ethnic minorities. Applicants should send curriculum vitae, list of publications, and addresses of three references to: **L. E. Rosenberg, M.D., Chairman, Department of Human Genetics, 333 Cedar St., New Haven, Conn. 06510**.

PHYSICAL OCEANOGRAPHER

A Research Associate (postdoctoral) position will be available 1 September 1974, with the IDOE Coastal Upwelling Ecosystems Analysis (CUEA) program at the University of Washington. Inquiries at other levels of experience will also be considered. Major emphasis will be placed on the interrelationship of time dependent and spatial biological and physical simulation models of upwelling ecosystems. Interested applicants should be physical oceanographers experienced with numerical methods, or have a similar background.

BIOLOGICAL OCEANOGRAPHER

Applications are also requested for a Research Associate (postdoctoral) in biological modeling to work on competition of algal species under nutrient limitation in relation to functional groups and population dynamics. In addition to the Ph.D., applicants should have experience in the laboratory with phytoplankton growth under continuous culture.

Interested applicants for either position should write to: **Dr. John J. Walsh, Department of Oceanography, University of Washington, Seattle, Washington 98195. The University of Washington is an equal opportunity/affirmative action employer.**

PLANT TAXONOMIST

Assistant Professor. Interest in teaching, research, Botanical Garden and Herbarium required. Send curriculum vitae by 1 March 1974 to:

**Dr. W. T. Ebersold, Chairperson
Department of Biology
University of California
Los Angeles, California 90024**

Affirmative Action/Equal Opportunity Employer

Immunopharmacologist

The Pharmacology Department of our Central Research Laboratories in Groton, Connecticut, has an immediate opening for an immunopharmacologist. A recent Ph.D. with some experience in anti-inflammatory research is preferred, although applicants with a general immunobiology background will be considered.

Excellent employee benefits are associated with this position which allows one to work and live in an attractive Connecticut shore location.

Please send résumé to: **Mr. R. H. Sayre, Personnel Manager, Pfizer Central Research, Eastern Point Road, Groton, Connecticut 06340.**

An equal opportunity employer m/f

Pfizer

Microbial 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

POSITIONS OPEN

DIRECTOR OF HOME ECONOMICS

University of British Columbia requires Director for School of Home Economics for 1 July 1974, if possible. Senior scholar in family sciences or related discipline, for example, sociology, psychology, consumer economics, or in nutrition. Applications before 15 February 1974, to **R. M. Will, Assistant Dean, Faculty of Arts, University of British Columbia, Vancouver 8, Canada.**

MAMMALOGIST

The Museum of Zoology and Department of Zoology of the University of Michigan invite applications for the position of Assistant Curator of Mammals and Assistant Professor of Zoology beginning 1 July 1974. Ph.D. must have been completely earned before beginning duties. Curriculum vitae, sample publications, and three letters of recommendation should be sent to **Dr. Donald W. Tinkle, Acting Director, Museum of Zoology, University of Michigan, Ann Arbor, Michigan 48104.**

A Nondiscriminatory Affirmative Action Employer

SOUTHERN ILLINOIS UNIVERSITY—SCHOOL OF MEDICINE

A new school, actively seeking top quality, enthusiastic teachers and scholars for the first-year basic science program. Openings are available in physiology, biochemistry, anatomy, microbiology, and psychology. For further information contact **Dr. John H. Caster, Coordinator—Academic Appointments, Box 5, School of Medicine, Southern Illinois University, Carbondale, Illinois 62901.**

An Equal Opportunity Employer

NEUROANATOMY

Medical center Anatomy Department seeks applicants interested in teaching neuroanatomy-neurobiology, possibly some gross anatomy. Ph.D. in anatomy, postdoctoral training desirable. Letters of application with complete curriculum vitae should include evidence of active on-going research in neuroscience.

Box 27, SCIENCE

An Equal Opportunity Employer

POSITIONS OPEN

LIBRARIAN

St. Mary's College of Maryland (Maryland State College System) **Natural Science and Mathematics Librarian.** Qualifications: (i) ALA-accredited MLS; (ii) master's or Ph.D. in Life Sciences; (iii) some teaching and/or library experience; (iv) facility in one foreign language. Post available immediately. Academic rank, 12 months with 22 days vacation, 35-hour week, state employees retirement, Blue Cross-Blue Shield. Attractive rural waterfront location near mouth of the Potomac. \$10,388. *An Affirmative Action/Equal Opportunity Employer.* Send résumé, transcripts for all course work, and references to **Dr. E. A. Brunelle, Director of Instructional Resources, St. Mary's College of Maryland, St. Mary's City, Maryland 20686.**

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**

DIRECTOR OF SUPPORTIVE SERVICES

Applications are being sought for the position of Director of Supportive Services. Responsibilities include general administration of special programs for undergraduate minority students. Applicants should have knowledge of higher education in a large urban university; counseling, research, and supportive services for minority students including summer programs; and strong interpersonal skills and writing abilities. Salary dependent on experience. Résumés, preliminary references, and supportive materials should be directed to **Dr. Alice Emerson, Dean of Students, 3535 Locust Walk, University of Pennsylvania, Philadelphia, Pa. 19174.** Deadline for applications: 1 February 1974.

An Equal Opportunity Employer

POSITIONS OPEN

OCEANOGRAPHERS

The University of Rhode Island, Graduate School of Oceanography, has up to three full-time state-supported faculty positions open for scientists with a demonstrated capability and interest in deep sea oceanography (biological, chemical, geological or physical). Salary and rank open. *We are an Equal Opportunity/Affirmative Action Employer and members of minority groups and women are urged to apply.* Address inquiries to **Dean John A. Knauss, GSO, University of Rhode Island, Kingston, Rhode Island 02881.**

ASSISTANT PROFESSOR OF OCEANOGRAPHY

Ph.D., to teach general and specialized oceanography courses. Applicant should have interests and demonstrable research potential in either chemical oceanography or quantitative aspects of benthic communities and processes on level bottoms. A strong background in basic science and in oceanography is preferred. Send complete résumé and four letters of reference to **Oceanography Department, WB-10, University of Washington, Seattle, Wash. 98195.** The university is an equal opportunity-affirmative action employer and will welcome applications from members of minority groups and women.

DEPARTMENT OF OPHTHALMOLOGY CENTER FOR THE HEALTH SCIENCES UNIVERSITY OF CALIFORNIA LOS ANGELES

Prior to 1 September 1974, we expect to make an appointment at the level of assistant professor in residence in the field of visual physiology. This University is an equal opportunity employer and we therefore will consider candidates without regard to race, religion, or sex. Please have three professional persons write us concerning you and send your curriculum vitae, along with a statement of your future research and teaching interests, to **Dr. Dean Bok, Associate Director, Jules Stein Eye Institute, University of California, Los Angeles, California 90024.**

Research Unit

on the

Spatial Structure of Biopolymers

A research unit on the spatial structure of ribosomes and their components is to be established at the Max-Planck-Institut für Molekulare Genetik in Berlin-Dahlem, with the financial support of the Deutsche Forschungsgemeinschaft.

Applications are invited for the positions of the head of this research unit and for scientists working in the unit. The annual salary for the head will be approximately 45-50.000 DM and for the scientists 32-42.000 DM. The initial appointment will be for three years with the possibility of extension.

Applicants should have experience in one of the following fields: Crystallization of proteins or nucleic acids, X-ray crystallography of biopolymers, chemistry of proteins or nucleic acids. It is not necessary for the applicants to be German.

Applications should be sent before March 30, 1974 to Prof. H. G. Wittmann, Max-Planck-Institut für Molekulare Genetik, Ihnestrabe 63-73, D-1000 Berlin 33, Germany.

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POSITIONS OPEN

ASSISTANT RESEARCH SCIENTIST—Ph.D. or M.D. with training and/or experience in virology, tissue culture, bacteriology and animal experimentation. For virus interferon research laboratory.

SENIOR RESEARCH TECHNICIAN—Research in hereditary serum alpha 1-antitrypsin deficiency which predisposes to emphysema. Basic biochemical techniques, tissue extracts, enzyme analyses, electrophoresis, and so forth. B.S. or M.S. with strong interest in cell biology. Minimum of 1 year related work experience. Please send résumé to: Miss M. Kerans, Personnel Department, New York University Medical Center, 587 First Avenue, New York, N.Y. 10016. An equal opportunity employer M/F.

ASSISTANT PROFESSOR OF PHARMACOLOGY

Applications are invited from biochemical pharmacologists with research experience in neurotransmitter mechanisms. The candidates must possess a strong interest in undergraduate and graduate education and be capable of initiating and directing original research projects. Forward biographical data, publication list, and a brief outline of research interests to Professor David E. Clarke, College of Pharmacy (Pharmacology Department), University of Houston, 3801 Cullen Blvd., Houston, Texas 77004.

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

PLANT ECOLOGIST

Minimum of 2 years academic experience beyond Ph.D. for fall 1974. Must have outstanding promise or demonstrated ability in undergraduate/graduate education and research. Rank and salary negotiable. Promptly submit detailed curriculum vitae and names of three references to Dr. R. Seymour, Department of Botany, The Ohio State University, 1735 Neil Ave., Columbus, Ohio 43210. An equal opportunity/affirmative action employer.

CSIRO

DIVISION OF ANIMAL GENETICS EPPING, N.S.W.

RESEARCH SCIENTIST

CSIRO has a broad charter for research into primary and secondary industry areas. The Organization has approximately 6500 employees—2100 of whom are research and professional scientists—located in Divisions and Sections throughout Australia.

MOLECULAR GENETICS

General. The Division of Animal Genetics has its headquarters at North Ryde, Sydney, where *Drosophila*, mice, and poultry are maintained, and field stations located in New South Wales and Queensland carrying sheep, beef, and dairy cattle. Research covers the fields of molecular and developmental genetics, the theory of selection and the application of genetics to animal production.

Recently a section has been established which encompasses research in the general field of the translation and expression of genetic information. It is now proposed to include in this section the study of regulatory interactions between viruses and cells and the mode of action of "growth factors."

Duties. To assume responsibility for research in one of these areas and to collaborate with other groups engaged in related projects.

Qualifications. A Ph.D. degree in science with experience appropriate to this field, or postgraduate research experience of equivalent standard and duration, supported by demonstrable research ability.

Salary. Appointment will be made within the salary ranges of Principal Research Scientist or Senior Principal Research Scientist, \$14,882 to \$20,005 per annum.

Tenure. The position is available for an indefinite period and Australian Government Superannuation benefits are available.

Applications stating full personal and professional details, the names of at least two referees, and quoting reference number 675/347 should be sent by 8 February 1974 to The Chief, Division of Animal Genetics, CSIRO, P.O. Box 90, Epping, N.S.W. 2121, Australia.

ZOOLOGY

Faculty position—Zoology. Preferably to be filled at the Assistant Professor level. Preference will be given to candidates who can handle field courses and contribute to ecology program. Send application, list of references and curriculum vitae to Professor Donald S. Farner, Department of Zoology, University of Washington, Seattle, Washington 98195. The University of Washington is an affirmative action/equal opportunity employer. Applications from members of minority groups and women are encouraged.

POSITIONS OPEN

ASSISTANT PROFESSORSHIPS IN PHARMACOLOGY

The Department of Pharmacology at the University of Pittsburgh School of Pharmacy is seeking qualified persons to fill three vacancies at the Assistant Professor level. Candidates must have at least 2 years of teaching/research experience after their Ph.D. with a commitment to quality graduate and undergraduate teaching. Excellent opportunity for persons with research interests in the areas of drug metabolism and biochemical aspects of autonomic pharmacology and cardiovascular pharmacology. For further information write to Dr. Balwant N. Dixit, Acting Chairman, Department of Pharmacology, University of Pittsburgh School of Pharmacy, 1105 Salk Hall, Pittsburgh, Pa. 15261.

The University of Pittsburgh is an equal opportunity employer.

PLANT PHYSIOLOGIST PLANT DEVELOPMENT BIOLOGIST NEUROPHYSIOLOGIST OR BEHAVIORAL BIOLOGIST ECOLOGIST (SYSTEMS, POPULATION, OR COMMUNITY) PHYSIOLOGIST (MEMBRANE OR CARDIOVASCULAR)

Faculty positions are available to teach courses and develop graduate and undergraduate programs in each of the above subdisciplines in a Biology Department which encompasses botany, microbiology, and zoology. Rank and salary dependent on qualifications of candidate.

Applications must include curriculum vitae, list of publications, areas of research interest, and names of three referees. This information should be sent to:

Albert Siegel, Chairman,
Department of Biology
Wayne State University
Detroit, Michigan 48202

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VIROLOGIST: Immediate opening in Mammalian Cell Culture and Virology. Ph.D. in Virology or Microbiology with experience in tissue culture and viral technology or B.S. or M.S. with 3 to 5 years of experience with RNA oncogenic viruses to work with a team of biochemists and molecular biologists. Salary commensurate with experience. Please send résumé to Personnel, Litton Bionetics, Inc., 5541 Nicholson Lane, Rockville, Md. 20852. EOE/MF

CONFERENCE

The First Annual National Conference on Biomedical Research Problems in a Changing World will be held at the Sheraton Park in Washington, D.C., on 5, 6, and 7 February, sponsored by the University of Maryland and Medi-Science, Inc. The latest developments and breakthroughs in such strategic activity areas of biomedicine as Heart, Vascular and Kidney Studies; Cancer Studies; Prosthesis Developments; Instrumentation; Health Care Delivery and Biomedical Ethics will be presented by the leading scientists of the country. For further information write or call Medi-Science, Inc. (Suite 807), 7979 Old Georgetown Road, Bethesda, Maryland 20814. Telephone 301-652-4700.

FELLOWSHIPS

UNIVERSITY OF MELBOURNE SENIOR RESEARCH FELLOWSHIP

The University of Melbourne invites applications for a Senior Research Fellowship tenable for 1 year but renewable in special circumstances for a second. The fellowship is intended for a scholar with considerable research experience, for example, a senior member of academic staff who may be on sabbatical leave from his own university. The salary will be in the range of \$A12,268 and \$A15,187 and up to \$A1,000 may be paid toward the cost of transport.

Applications should be lodged with the Office of the Dean of Graduate Studies, University of Melbourne, Parkville, 3052, Victoria, Australia, by 28 February 1974.

Conditions for the fellowship may be obtained from the Australian Consulate General, 636 Fifth Avenue, New York, N.Y. 10020, U.S.A., or from R. A. Cumming, Secretary for Graduate Studies.

POSTDOCTORAL FELLOWSHIP

To investigate possible methods for large-scale production of high purity silicon sheet. Experience in semiconductor materials, especially silicon, and in crystal growth and materials preparation, is desirable. Write

Dr. D. P. Pope
Department of Metallurgy
and Materials Science-K1
University of Pennsylvania
Philadelphia, Pa. 19174

STUDY INSTITUTE

OPTICAL PROPERTIES OF IONS IN SOLIDS

A NATO Advanced Study Institute, 6 to 21 June 1974, Erice, Italy. For information write to: Professor B. Di Bartolo, Department of Physics, Boston College, Chestnut Hill, Massachusetts 02167.

GRADUATE RESEARCH

GRADUATE RESEARCH ASSISTANTSHIPS

Applications invited for stimulating positions in a wide range of subjects including: fluid dynamics, heat transfer, vehicle structures and/or dynamics and water pollution. Applicants will work 20 hours per week while pursuing master's or doctoral degrees. This research may be used toward theses. Financial support of \$370 to \$415 per month. Applications and information can be obtained from Dr. Joseph A. Schetz, Aerospace Engineering Department, Virginia Polytechnic Institute and State University, Blacksburg, Va. 24061.

SUMMER RESEARCH

SUMMER RESEARCH JOBS IN ENVIRONMENTAL CHEMISTRY, GEOCHEMISTRY AND PETROLOGY at Lamont-Doherty Geological Observatory of Columbia University are available for undergraduate students. Students with a strong background in chemistry and/or geology are preferred. Contact Dr. T. H. Peng, Lamont-Doherty Geological Observatory, Palisades, N.Y. 10964.

SUMMER RESEARCH IN EXPERIMENTAL MARINE BOTANY

Applications are invited for ten positions as junior investigators to participate in an NSF-sponsored program scheduled from 3 June to 30 August 1974 at the Marine Biological Laboratory, Woods Hole, Mass. 02543. Evidence of research experience equivalent to that of students and postdoctoral positions in biology and biochemistry is requested. Projects include photoreduction, carbohydrate and sulfate metabolism, biochemistry of fertilization, chloroplast development and analysis of chromatic adaptation and photosynthetic efficiency in marine plants. Travel and per diem expenses provided. Application forms and information may be obtained from MBL (above address). Completed forms and references should be sent before 1 March to: Dr. F. Loewus, Department of Biology, State University of New York at Buffalo, Buffalo, New York 14214.

MARKET PLACE

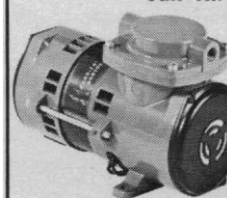
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