

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 quarter 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 207
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

Aquatic Ecologist/Ichthyologist. Ph.D. 1968. Publications. Experience teaching introductory courses, ichthyology, and multidisciplinary courses. Research experience in temperate streams, estuaries, and tropical nearshore ecosystems. Some consulting experience. Box 527, SCIENCE. X

Biochemical Editing. Library research, preparation and editing biochemical manuscripts. Have M.S. in biochemistry and 20 years of laboratory experience in nucleic acid and steroid/protein fields. Publications. Desire New York City location. Box 528, SCIENCE. 12/6

Biostatistician. M.S., M.P.H. Desires epidemiological, sociological, clinical trials research. Computer-oriented. New York metropolitan area. Box 485, SCIENCE. X

Botanist. Ph.D. Background in chemosystematics and numerical taxonomy. Publications. Desires teaching and/or research position. Available immediately or fall 1975. Box 529, SCIENCE. X

Estuarine-Marine Ecologist. Ph.D. Desires responsible academic or industry position. Research in Atlantic and Gulf Coast estuaries; lab, field research in shrimp biology; 2 years of experience in Latin American fisheries. Publications. Box 530, SCIENCE. X

Wanted: small undergraduate college where broadly trained **Geneticist** (Ph.D., 1965) can contribute to innovative program. Background in curriculum planning, modular teaching, interdisciplinary approaches. Two years postdoctoral, 16 years professional experience. Available September 1975. Box 510, SCIENCE. 11/29

Historian of Science. Recent publications in neuroanatomy, physiological psychology, and medical history. College instructor 5 years in biology, geology, astronomy, and history of science. Seeks full or part time summer or fall 1973. Prefers New York, New Jersey, or Pennsylvania. Community colleges welcomed, especially for developing courses for nonscience majors re science requirements. (201) 251-5197.

Microbiologist (Ph.D.), **Veterinarian** (D.V.M.). Wide experience in tumor biology, immunology, therapy. Numerous publications. Seeks academic, institutional research, administration, or teaching. Box 531, SCIENCE. 12/6

Experienced research **Micropaleontologist** (Ph.D.) seeks position in New Jersey area. Background includes oceanography, geology, and marine biology. Résumé (including publications list) sent upon request. All replies strictly confidential. 253 Sherwood Avenue, Trenton (Mercerville), N.J. 08609. X

Neurobiologist. M.S. Seeks research position. Interested in physical and chemical correlates of abnormal behavior; especially schizophrenia. Relevant background. Box 532, SCIENCE. X

POSITIONS WANTED

Physiologist. M.S. (January 1975). Experience and degree in clinical respiratory therapy. Research experience in pulmonary mechanics. Publications pending on work of breathing, and phonopneumography. Currently supervisor in hyperbaric medicine unit. Seeking teaching or clinical teaching-research situations. Box 533, SCIENCE. X

POSITIONS OPEN

STATE OF KUWAIT KUWAIT UNIVERSITY ACADEMIC POSTS FOR 1975-1976

Applications are invited for the posts of **lecturers, assistant professors, and professors.** Contracts start on 1 September 1975, for 2 years, renewable for a further period of 4 years if convenient to both applicant and university.

Applicants should be (i) holders of an academic post at present in an accredited university or research center and (ii) Ph.D. holders.

Application and curriculum vitae forms with particulars of salary and other matters are obtainable from **Kuwait Embassies in Washington, D.C. (Suite 158, 4301 Connecticut Avenue, NW, Washington, D.C. 20008) and London (Cultural Attaché Office, Al-Jahra House, 3 Stratford Place, London, England, W1N 9AE), or from Kuwait University, Kuwait.** Completed applications, together with a copy of the candidate's publications, must be received by **Kuwait University, Kuwait**, not later than 15 December 1974. Those who applied last year and this year can renew their applications by writing to the University.

Candidate is also entitled to the following privileges: (i) annual return air tickets to his country would be provided to him, his wife, and three of his children not exceeding the age of 20, and (ii) free furnished accommodation with water and electric supplies.

FACULTY OF SCIENCE

Mathematics: (i) Applied math, (ii) Pure math, and (iii) Computer science.

Physics: Theoretical Physics: (i) Solid-state physics, (ii) Atomic physics, (iii) High-energy physics-elementary particles experimental physics: (iv) Laser physics, (v) Atmospheric physics, (vi) Geophysics-Astrophysics, (vii) Electronics, and (viii) Experimental physicist (with good experience in setting up and developing undergraduate physics laboratories in addition to a research interest in one field of experimental physics).

Chemistry: (i) Biochemistry, (ii) Inorganic chemistry, (iii) Physical chemistry, (iv) Organic chemistry, and (v) Analytical chemistry.

Botany: (i) Virology (plant), (ii) Molecular biology, (iii) Applied microbiology, (iv) Plant breeding or plant genetics, (v) Plant biochemistry, (vi) Phytochemistry, and (vii) Physiological ecology.

Zoology: (i) Marine ichthyology, (ii) Marine physiology, (iii) Marine ecology, (iv) Marine fisheries and mariculture, (v) Oceanography, (vi) Immunology, (vii) Histology and histochemistry, and (viii) Marine parasitology.

Geology: (i) Environmental geology, (ii) Computer science in geology, (iii) X-ray crystallography, (iv) Geohydrology, and (v) Marine geology.

QUEENS COLLEGE OF THE CITY UNIVERSITY OF NEW YORK

Assistant Professor position available for 1975/76 academic year, with possibility of reappointment. Ph.D. required. Send curriculum vitae to **Chairman, Department of Earth and Environmental Sciences, Queens College, Flushing, N.Y. 11136.**

An Affirmative Action/Equal Opportunity Employer

YALE SCHOOL OF FORESTRY AND ENVIRONMENTAL STUDIES

Assistant Professor of wildlife ecology and management to teach and carry on research in an endowed graduate-level program emphasizing terrestrial ecosystems. Ph.D. required. Salary commensurate with experience. Deadline for submitting applications 1 February 1975. *Yale University is an Equal Opportunity/Affirmative Action institution which offers special encouragement to women and minority groups.* Send applications and résumés to: **Professor R. S. Miller, School of Forestry and Environmental Studies, Yale University, 205 Prospect Street, New Haven, Connecticut 06511. Telephone 203-436-8643.**

POSITIONS OPEN

ACADEMIC OPENING

The Department of Chemistry of Yale University is seeking applications for appointment to our faculty at the Assistant Professor level in inorganic chemistry. The appointment would become effective in the 1975-76 academic year. Expertise in x-ray crystallography is required; however, a research program in structural chemistry should complement a program in another subdiscipline, such as bioinorganic or organometallic chemistry.

Yale has an active Affirmative Action Program and we are especially interested in minority group or female candidates who meet the above criteria. Candidates should request referees to write and should send a curriculum vitae, a list of publications, brief summaries of predoctoral and any postdoctoral research, and a brief outline of proposed research projects to the **Chairman, Department of Chemistry, Yale University, New Haven, Connecticut 06520.** Applications should be sent promptly, preferably by 31 December 1974, to assure consideration.

ASSISTANT PROFESSOR (September 1975)

The primary responsibility will be to teach introductory general biology. A candidate should have a Ph.D. and a good background in aquatic botany and/or plant physiology. It is expected that the candidate will conduct research and develop graduate and undergraduate courses in the specialty. Send résumé and names of two references to: **Dr. R. H. Rhodes, Chairman, Department of Biological Sciences, Fairleigh Dickinson University, Teaneck, New Jersey 07666.** *An Equal Opportunity/Affirmative Action Employer.*

ASSOCIATE PROFESSOR

Division of Health Sciences. M.D. or Ph.D. with teaching and research experience in the pathophysiology of Embryology, Growth, and Development. Training in pathology, physiology, or endocrinology and metabolism would be applicable. Position would require teaching in undergraduate and graduate human pathology and pathophysiology. Inquiries should be sent to: **Dr. Dorothy H. Henneman, Division of Health Sciences, University of Delaware, Newark, Delaware 19711.** *The University of Delaware is an Equal Opportunity, Affirmative Action Employer.*

ASSISTANT PROFESSOR OF BIOMETRICS UNIVERSITY OF ALASKA

Applicants are being sought for the above position to help in formulating experimental design and analytical methods and to assist in development of simulation models for a wide range of research topics dealing with arctic and subarctic ecosystems in Alaska. The applicant must have the Ph.D. degree. Preference will be given for postdoctoral, environmental, and northern research experience. The successful candidate will be expected to participate in independent and cooperative research programs with other University faculty, to assist in graduate student training, and to develop support through grants and contracts. Salary is dependent on qualifications and experience. Qualified applicants should send curriculum vitae and have three letters of reference sent to: **Dr. Keith Van Cleave, Institute of Arctic Biology, University of Alaska, Fairbanks, Alaska 99701.** *The University of Alaska is an Equal Opportunity Employer; women and members of minority groups are encouraged to apply.*

A position in **Cell Biology** at the Assistant Professor level is available in the Department of Biological Sciences at the University of Delaware.

Candidates are expected to establish an independent research program and to teach at the undergraduate and graduate level. Postdoctoral experience is desirable. The position can become available as early as February 1975. Inquiries should be accompanied by curriculum vitae and reprints of past work, and should be addressed to **Dr. Jacques J. Pene, Department of Biological Sciences, University of Delaware, Newark, Delaware 19711.**

The University of Delaware is an Equal Opportunity Employer and does not discriminate on the basis of sex, religion or national origin.

ASTROPHYSICS POSITION AT NEW YORK UNIVERSITY

The Physics Department of New York University in the Fall of 1975 expects to have a faculty position for an astrophysicist. Although the position would normally be at the assistant professor level, a more senior appointment may be possible for a highly qualified individual. A theoretical astrophysicist would probably be appointed, but observers with suitable programs should also feel free to apply. Candidates must be able to conduct research of significance and to contribute strongly in the department's undergraduate teaching program. Applications should be submitted to **Professor E. L. Schucking, Chairman of the Search Committee, 4 Washington Place, New York, N.Y. 10003.** *NYC is an equal opportunity, affirmative action employer.*

POSITIONS OPEN

BIOCHEMIST

A position at the rank of Assistant Professor is available in the Department of Biochemistry, College of Medicine, University of Saskatchewan. Applicants must have a Ph.D. and/or M.D. degree. Training and interests in the area of protein chemistry or physical biochemistry are preferable but not essential. Duties will include research and teaching of biochemistry to undergraduate and graduate students. Effective date of appointment is 1 July 1975. Salary will be commensurate with experience and training. Send curriculum vitae and names of three referees to: **Dr. J. D. Wood, Head, Department of Biochemistry, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.**

BIOENGINEER

The Department of Engineering Sciences of the College of Engineering of the University of Florida invites applications for a Professorship in Engineering Sciences in the specialized area of biomechanics. The position is authorized as part of a Board of Regents Program of Distinction in Bioengineering in the College of Engineering. The salary is negotiable, and an appointment is to be made on or before 15 September 1975. Applicants should send complete biographical résumés before 1 January 1975 to **Knox Millsaps, Chairman, Department of Engineering Sciences, University of Florida, Gainesville, Florida 32611.**

An Equal Opportunity, Affirmative Action Employer

SANDOZ'S Hospital Supplies Section is seeking **BIOENGINEERS** for its new Research Organization in Salt Lake City, Utah. A Ph.D. degree or equivalent experience is required.

► **Chemical Engineer** (or related) to head up our Mass-Transfer Laboratory. Experience in design of membrane devices for biological application is mandatory.

► **Experimental Physicist** to manage our Cardiorespiratory unit. Biological sensors and system design are emphasized.

► **Physiologist** with experience in hematology to be responsible for testing prototypes and materials in vitro and in vivo.

We are a growing multinational section of SANDOZ, INC., seeking result-oriented experienced scientists. Send detailed résumé with salary requirements to **Dr. S. Gagneux, Sandoz Hospital Supplies Research, 1233 Wilmington Avenue, Salt Lake City, Utah 84106.**

DEPARTMENT OF BOTANY

The College of Biological Sciences, The Ohio State University, invites qualified applicants to apply for the following four faculty positions:

(i) Assistant or Associate Professor, ecology (physiological or community); (ii) Assistant or Associate Professor, plant ultrastructure; (iii) Assistant Professor, structural botany (anatomy and morphology of vascular plants), and (iv) Assistant Professor, reproductive biology. Candidate must hold the Ph.D. and be interested in teaching at both the undergraduate and graduate levels and in developing a strong research program in his/her specialty. Appointments will be for 9 months, beginning 1 October 1975. Salary range: Assistant Professors \$12,500 to \$14,000; Associate Professors \$14,500 to \$16,000. Candidates should submit a complete curriculum vitae including reprints of published papers and at least three letters of recommendation to **Dr. N. Taylor, Chairman, Department of Botany, College of Biological Sciences, The Ohio State University, 1735 Neil Avenue, Columbus, Ohio 43210.** Deadline for receipt of all materials is 1 January 1975. *An Affirmative Action Employer.*

DEPARTMENT OF BOTANY

UNIVERSITY OF CALIFORNIA, BERKELEY

Applications are invited for an anticipated opening at the level of Assistant Professor in Botany. The teaching and research interests of the candidate should be in the area of **Plant Cell Biology**. Competence in the areas of plant biochemistry, plant physiology, or molecular biology would be additionally desirable. The successful candidate will teach a course in plant cell biology, contribute to the teaching of general biology or botany, and develop a graduate teaching and research program. Applicants should submit the names and addresses of three referees, and send curriculum vitae (including relevant course work), bibliography with copies of publications, and a summary of teaching and research objectives to **Russell L. Jones, Chairman, Search Committee, Department of Botany, University of California, Berkeley, California 94720.** *The University of California is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

BIOCHEMIST-POSTDOCTORAL

Position available immediately for Ph.D. in biochemistry or microbiology to participate in research on synthesis and modification of nucleic acids. Experience in enzymology or nucleic acid biochemistry required. Salary \$12,800 to \$14,000 depending on qualifications. Send résumé and names of two references to: **Dr. Elsie Wainfan, The Greater New York Blood Program, 310 East 67 St., New York, N.Y. 10021.** *An Equal Opportunity Employer.*

BIOCHEMISTRY CHAIRMAN

Applications are invited for the chairmanship of the Department of Biochemistry of the University of Louisville Health Sciences Center. Responsibilities include quality programs of instruction in medical, dental, and graduate biochemistry. *Full consideration will be given to all qualified candidates in accordance with the University's Affirmative Action Program.* Send curriculum vitae and references to **Dr. R. D. Higginbotham, Chairman, Biochemistry Search Committee, University of Louisville Health Sciences Center, School of Medicine, Louisville, Kentucky 40201.**

CHAIRPERSON

Applications or nominations are invited through 10 January 1975 for the position of Professor and Chairperson of the Department of Veterinary Pathology and Microbiology. Applicants must possess the Ph.D. and D.V.M. degrees, have administrative experience, and demonstrated competence in teaching and research. Correspondence should be addressed to: **Dr. Richard Wescott, Chairman, Search Committee, College of Veterinary Medicine, Washington State University, Pullman, Washington 99163.** *An equal opportunity and affirmative action employer.*

The Chemistry Department at the University of California, Irvine, is recruiting for a faculty position in the field of **BIOPHYSICAL CHEMISTRY** at the assistant professor level or, if appropriate, at a higher level. Interested applicants should send a curriculum vitae with a detailed description of both research and teaching interests. The applicant should also arrange for the submission of three letters of recommendation. *Applications from qualified candidates are welcome; minorities and women are encouraged to apply.* Send applications to **M. Wolfsberg, Chemistry Department, University of California, Irvine, California 92664.**

In accordance with policy of Stanford University, the Department of Dermatology of Stanford University School of Medicine invites applications for qualified candidates in the field of **DERMATOLOGY**. Candidates must have passed the Dermatology Boards, as well as completed training in dermatology at an accredited institution. Additional specialty training, including research experience, is desirable.

Stanford University has a faculty affirmative action program. Interested candidates are requested to submit their curriculum vitae to **Dr. Eugene M. Farber, Professor and Chairman, Department of Dermatology, Stanford University School of Medicine, Stanford, California 94305.**

DEVELOPMENTAL GENETICIST

Assistant Professorship available 18 August 1975. Applicants should have Ph.D. and substantial training in genetics and animal development. Candidate should have interest in graduate and undergraduate teaching and be active in research. Send résumé, including transcripts and three letters of reference, to **Dr. W. H. Darden, Chairman, Department of Biology, Box 1927, University of Alabama, University, Alabama 35486.** Deadline for receipt of completed applications is 23 December 1974.

An Equal Opportunity/Affirmative Action Employer

ETHOLOGIST

Assistant Professor of Zoology. Applications are invited from ethologists for fall 1975 to teach senior and graduate courses in ethology and direct graduate research. Additional teaching in other areas in zoology will be required. Excellent facilities for bioacoustics are available. Send curriculum vitae, statement of area of interest, and names of three persons for letters of recommendation to: **W. M. Schleidt, Department of Zoology, University of Maryland, College Park, Md. 20742,** by 31 December 1974. *Affirmative Action, Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT RESEARCH BIOMEDICAL ENGINEER

Grant-supported research position open in Cardiovascular Research Institute, University of California, San Francisco. *Applications especially invited from women and ethnic minority persons* with Ph.D. and/or M.D. degree to work full-time in development and application of non-invasive cardiopulmonary methods in clinical physiology. Salary according to University scale; at present it is \$15,108 per annum. Send curriculum vitae and three references to **M. B. McIlroy, 1315-M University of California, San Francisco, California 94143.**

BIOLOGY DEPARTMENT CHAIRPERSON

For undergraduate and graduate department. Required capabilities: leadership of teaching and research programs, executive skill.

Address letter of inquiry and résumé to **Dean Warren Ichman, College of Liberal Arts, Boston University, 725 Commonwealth Avenue, Boston Mass. 02215.** *An Affirmative Action/Equal Opportunity Employer.*

DEVELOPMENT BIOLOGY—GENETICS

Applications are invited for a faculty position in developmental biology and genetics effective September 1975. Primary interest in undergraduate teaching. Ability to supervise the premedical program desirable but not essential. Send résumés to **Dr. E. T. Handelman, Chairman, Science Division, Simon's Rock, Great Barrington, Mass. 01230.** *Simon's Rock is an Equal Opportunity Employer with an Affirmative Action Program.*

DIRECTOR TROPICAL MEDICINE CENTER

Applications are invited for the position of Director of a Tropical Medicine Center being developed at The Johns Hopkins University. The applicants must have demonstrated competence in independent research in some aspect of the field. Teaching and administrative skills are also important. Overseas experience is considered desirable as is an M.D. degree, though neither is an absolute requirement. The Center Director will have the responsibility for providing coordination of the activities of the various departments of the University which have interest in (i) the development of tropical medicine training programs for clinicians and scientists and (ii) stimulating interdepartmental and multidisciplinary research projects or programs. The Director will be given a departmental academic appointment at an appropriate rank and will have the opportunity to conduct research and participate in teaching. Applicants should submit a curriculum vitae, names of three or more references, and a bibliography to: **Dr. Harry Woolf, Provost, The Johns Hopkins University, Charles and 34th Streets, Baltimore, Maryland 21218.** *An Equal Opportunity and Affirmative Action Employer.*

DIRECTOR INSTITUTE OF ARCTIC BIOLOGY AND HEALTH RESEARCH UNIVERSITY OF ALASKA FAIRBANKS

The University of Alaska is seeking applications and nominations for the position of Director of one of its major institutes. Minimum qualifications are an earned doctorate in natural science or health sciences and demonstrated potential to direct and administer a research unit with a six-figure budget.

The University is an Equal Opportunity Employer; women and members of minority groups are encouraged to apply.

For further information, address the Office of the Vice President for Research, University of Alaska, Fairbanks, Alaska 99701.

DIRECTOR OF ACADEMIC CLINICAL PHARMACOLOGY CENTER, THE UNIVERSITY OF MICHIGAN MEDICAL SCHOOL

Qualifications: Applicant should have academic, medical, and research credentials to qualify for senior faculty appointments in both a clinical department and the Department of Pharmacology. Experience in investigational clinical pharmacology is essential; administrative experience is desirable.

Respond by 31 December 1974 to: **Chairman, Search Committee, M7316 Medical Science I, University of Michigan Medical School, 1335 Catherine Street, Ann Arbor, Michigan 48104.** *A Nondiscriminatory Affirmative Action Employer.*

POSITIONS OPEN

DEPARTMENT HEAD

Applications are invited for the position of Professor and Department Head of Oceanography with appointment to begin 1 September 1975. The Department has active teaching and research programs in Biological, Chemical, Geological, Geophysical, and Physical Oceanography, with a faculty and professional staff of 36, approximately 60 support personnel, and an enrollment of more than 100 graduate students. Annual outside research funding is about \$2.5 million. Facilities include a 165-foot research vessel, a research submersible, a new building with modern laboratories, and a dockside staging area in Galveston. Applicants should submit curriculum vitae to: **Professor Robert O. Reid, Co-Chairman, Search Committee, College of Geosciences, Texas A&M University, College Station, Texas 77843. An Equal Opportunity, Affirmative Action Employer.**

EPIDEMIOLOGIST OR HEALTH EFFECTS SCIENTIST; SYSTEMS OR POPULATION ECOLOGIST

Ph.D., staff and postdoctoral positions in a new program. Send curriculum vitae to **Mr. Ronald A. Johns, Professional Placement Department, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439.**

An Equal Opportunity Employer, Male/Female

ELECTRON MICROSCOPIST

Challenging position as technical assistant in research in our Department of Biochemistry. Must have 2 or 3 years of experience in basic techniques of electron microscopy. Familiarity with biochemical and histochemical methods desirable. Competitive salary. Excellent benefits and working conditions. Please send résumé to: **Mrs. S. Lawrence, Personnel, College of Medicine and Dentistry of New Jersey-Rutgers Medical School, Piscataway, N.J. 08854. An Equal Opportunity Employer.**

THE FACULTY OF MEDICINE OF MEMORIAL UNIVERSITY OF NEWFOUNDLAND

Will appoint an **Endocrinologist** to its Basic Sciences Division in 1975. Individuals with research interests in metabolic regulation, neuroendocrinology, or membrane studies will be considered.

Interested applicants should send résumé and names of three references to: **Dr. Bruce H. Sells, Laboratories of Molecular Biology, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada, before 15 December 1974.**

FACULTY POSITION

Applications are invited for a faculty appointment in the Department of Medical Microbiology, College of Medicine, at the assistant professor level. Responsibilities include teaching medical virology, immunology, or the properties and control of infectious agents for graduate and medical students. Research may be in areas other than those represented by the teaching assignment, but should be fundamental biochemical or genetic studies in areas of immunology or microbiology with medical orientation. Applicants with substantial training or research experience in several areas of biochemistry and microbiology are preferred. Postdoctoral experience is required. Candidates would be expected to develop a strong research program. *Applications from women and minority group candidates are encouraged.* Send curriculum vitae and references to:

**Dr. Paul S. Sypherd
Department of Medical Microbiology
College of Medicine
University of California, Irvine
Irvine, Calif. 92664**

The Thomas C. Jenkins Department of Biophysics at the Johns Hopkins University is recruiting for a faculty position at the **ASSISTANT PROFESSOR LEVEL IN THE FIELD OF NEUROBIOLOGY.** Applications from qualified candidates are welcome. Applicants should send a curriculum vitae, with a detailed description of both research and teaching interests and names of three people, from whom letters of recommendation can be obtained, to **Michael Beer, Department of Biophysics, Johns Hopkins University, Baltimore, Maryland 21218.**

29 NOVEMBER 1974

POSITIONS OPEN

FACULTY POSITIONS

UNIVERSITY OF CALIFORNIA AT SANTA BARBARA, DEPARTMENT OF BIOLOGICAL SCIENCES

AQUATIC BIOLOGY: Assistant professorship, 1 January 1975 or later. Teaching of undergraduate and graduate courses, primarily in aquatic biology (with emphasis on limnology and freshwater zoology). Appointee's research interests to lie primarily in **zooplankton biology, aquatic ecology and secondary productivity.**

BIOLOGY OF HOST-PARASITE RELATIONSHIPS: Assistant professorship, 1 July 1975. Teaching of graduate and undergraduate courses primarily in zoology, organismal biology, and/or population biology. Modern scholar of host-parasite relationships being sought, with research interests in one or more specialty areas in **animal parasitology and/or protozoology** expected to complement diverse, ongoing research on protist models of eukaryotes, and/or aquatic terrestrial ecology.

PLANT ECOLOGY: Two faculty positions, 1 July 1975. Assistant professor in one case; may be senior faculty in the other case. Both appointees to teach undergraduate and graduate courses, primarily in botany, environmental biology, and/or population biology. Appointees are expected to complement each other in terms of their independent research specialization in **physiological ecology and community ecology**, respectively.

APPLICATIONS with curriculum vitae, list of publications, names of references and summary of research interests should be sent to: **Chairman, Department of Biological Sciences, University of California, Santa Barbara, California 93106.** Letters of reference should not be sent until requested. *Applications from women and members of minority groups are encouraged. The University of California is an Affirmative Action Employer.*

GROSS ANATOMIST

Applications are invited from qualified persons with Ph.D. and/or M.D. degrees for an assistant or associate professorship in the Section of Gross Anatomy, Department of Surgery, Yale University School of Medicine, New Haven, Conn. The principal teaching duty will be to instruct medical students in Gross Anatomy. Candidates should also have demonstrated capacity for original research. Send applications, curriculum vitae, publications list, important reprints, and letters of recommendation to **Dr. Thomas R. Forbes, Section of Gross Anatomy, Department of Surgery, School of Medicine, Yale University, New Haven, Conn. 06510. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

DEPARTMENT HEAD

Applications are invited for the position of Head, Department of Meteorology at Texas A&M University. The department consists of 13 faculty members and approximately 160 undergraduate and graduate students. Candidate must have Ph.D. degree, academic, and research experience in atmospheric science, and should qualify for full professorship. Prior university administrative experience will be favored. Position starts 1 September 1975. Applications and nominations must be submitted by 1 February 1975 to **Dr. K. C. Brundidge, Co-Chairman, Search Committee, Office of Dean of Geosciences, Texas A&M University, College Station, Texas 77840. An Affirmative Action/Equal Opportunity Employer.**

ENVIRONMENTAL EDUCATORS

A multi-institutional consortium in western Pennsylvania seeks candidates for the positions of Interpretive-Naturalist and Environmental Educator at the newly established **McKeever Environmental Learning Center, Sandy Lake, Pa. 16145.** Applicants must be able to organize and direct learning activities for a variety of users; 40-week salary; \$10,000 to \$12,000. Immediate availability. Send curriculum vitae information to the Center before 1 December.

FACULTY POSITIONS

Available for anatomical, clinical, immuno pathologists and research scientists in large northeastern medical center. Salary negotiable.

Box 526, SCIENCE

FACULTY POSITION

The Department of Physiological Chemistry of the Johns Hopkins University School of Medicine will have an opening at the Assistant Professor level starting September 1975. Candidates must have both an M.D. and a Ph.D. degree, and a strong interest in research and teaching medical students. Preference will be given to individuals with research interests in the biochemistry of eukaryotic cells. Applicants should submit their curriculum vitae, publication list, and the names of four references, no later than 1 January 1975 to: **Dr. M. D. Lane, Department of Physiological Chemistry, Johns Hopkins University School of Medicine, 725 N. Wolfe Street, Baltimore, Maryland 21205. An Equal Opportunity Employer.**

DIRECTOR

FAIRLEIGH DICKINSON UNIVERSITY

West Indies Laboratory St. Croix, U.S. Virgin Islands

Applications are invited from established scientists for position of **DIRECTOR** in a rapidly developing 3½-year-old, well-equipped and staffed teaching/research Laboratory. Candidates should have a distinguished reputation in a Marine Biological or Geological area applicable to teaching/research in a field situation. University or Laboratory administrative experience is equally important along with leadership ability necessary to deal with a wide range of responsibilities.

The West Indies Laboratory is committed to year-round teaching (undergraduate/graduate), Visiting Group Program, and research opportunities for all levels of scientists. Salary dependent upon qualifications.

Send curriculum vitae and three letters of recommendation or names and phone numbers of three references to:

Dr. Joseph Green, Vice-President for Academic Affairs

FAIRLEIGH DICKINSON UNIVERSITY
Rutherford, New Jersey 07070

An equal opportunity/affirmative action employer, M/F

CHARLES C THOMAS • PUBLISHER

HUMAN AND ECOLOGIC EFFECTS OF NUCLEAR POWER PLANTS

edited by **Leonard A. Sagan**, *Palo Alto Medical Clinic, Palo Alto, California*. (15 Contributors) Nuclear power can be an affront to the environment, and with the widespread need and public desire for increased understanding of nuclear power, this book provides both a comprehensive introduction for the interested layman as well as a useful reference for the technical expert. Over half the book is dedicated to a description of reactors and the uranium fuel cycle. '74, 560 pp. (7 x 10), 138 il., 86 tables, \$34.50

ECOLOGY AND THE QUALITY OF LIFE

edited by **Sylvan J. Kaplan**, *Chevy Chase, Maryland*, and **Evelyn Kivy-Rosenberg**, *Jersey City State College, Jersey City, New Jersey*. (24 Contributors) Containing the views of many contributors who represent a variety of professional disciplines and who raise issues and try to define the problem of exactly what is meant by ecology and quality of life, this book is tailored to the needs of the specialist and the generalist. '73, 308 pp., 23 il., 11 tables, \$17.50

ENVIRONMENT AND POLLUTIONS: Sources, Health Effects, Monitoring and Control

by **Francis K. V. Leh**, *Univ. of California, Riverside*, and **Richard K. C. Lak**, *The Shell Oil Company of the British Crown Colony of Hong Kong*. Intended for college students and researchers from physical and medical science, this clear, concise text presents the most important problems in air and water. Up-to-date materials are presented that deal with global environmental problems. '74, 308 pp., 25 il., 71 tables, \$14.75

ECOPHYSICS: The Application of Physics to Ecology

by **James Paul Wesley**, *Univ. of Missouri, Rolla*. First to be published in the area of ecophysics, this book contains original research on all possible sources of energy; thermodynamics; the competition of machines with carbon-based life; the stability of the carbon cycle in the ecosphere; and the territorial origin of human conflict. '74, 368 pp., 39 il., 7 tables, cloth-\$19.75, paper-\$13.75

Prepaid orders sent postpaid, on approval

301-327 EAST LAWRENCE
SPRINGFIELD • ILLINOIS • 62717

POSITIONS OPEN

GENETICIST

A vacancy exists in the Department of Genetics for a full-time faculty position at the associate or full professor level, beginning in the fall of 1975. Duties will include instruction of medical students. Preference will be given to candidates with a strong background in research in human genetics and/or somatic cell genetics and who will contribute to the graduate training program in Human Genetics. Write **John A. Hunt, Chairman, Department of Genetics, University of Hawaii, Honolulu, Hawaii 96822**. An Equal Opportunity/Affirmative Action Employer.

INSTITUTE DIRECTOR

Experienced administrator/educator for the Nevil Institute for Sensory Deficits: a multidisciplinary institute for diagnosis and treatment (medical, surgical, developmental, educational, and communicative) of children with visual and/or auditory problems.

Qualifications: doctorate, experience in administration, teaching, research, and service delivery. Applications should be sent to **Dr. Murray M. Halfond, Chairman, Search Committee, Department of Speech, Temple University, Philadelphia, Pa. 19122** no later than 31 December 1974. An Equal Opportunity/Affirmative Action Employer.

LABORATORY DIRECTOR. State university seeks person with laboratory experience to supervise open laboratory. Bachelor's degree in Biology, Chemistry, or Bioengineering with some coursework in psychology preferred. Require broad capability in construction and maintenance of mechanical and electronic equipment and familiarity with biological and chemical lab apparatus. Send résumé to: **Dr. William A. King, Chairman, Lab Policy Committee, The University of Texas at the Permian Basin, Odessa, Texas 79762**. Equal Opportunity Employer.

LABORATORY MEDICINE FACULTY

University Program in Laboratory Medicine seeking Associate Directors in the Clinical Chemistry Laboratory, Endocrine Laboratory, and Blood Bank. M.D. Board eligible or qualified in Clinical Pathology or Medicine. Will have appropriate academic appointment in Medical School. Send curriculum vitae and list of references to **Dr. William W. McLendon, Chairman, Department of Laboratories, Memorial Hospital, University of North Carolina, Chapel Hill, N.C. 27514**. Affirmative action employer.

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The department manages a meteorological station used for forecasting weather conditions and recommending plant curtailments when necessary.

Requires a technical degree in related sciences. Minimum of 3 years of experience.

Salary negotiable.

Send résumés to: **Employee Services Supervisor, The Bunker Hill Company, P.O. Box 29, Kellogg, Idaho 83837**.

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Position available for **MOLECULAR BIOLOGIST** with Ph.D. and M.D. degree. Must have some experience in research and teaching appropriate for an academic medical center. For detailed information write to: **Dr. David Rifkind, Head, Department of Microbiology, Arizona Medical Center, Tucson, Arizona 85724**. The University of Arizona is an Affirmative Action/Equal Opportunity Employer.

Openings are available from time to time in **OCEANOGRAPHY** at the Scripps Institution of Oceanography. These openings include specialists in various fields, research scientists, and faculty members. For further information on areas of specialization where openings are anticipated, send inquiries with curriculum vitae and list of publications to the **Chairman of the Ocean Research Division, Scripps Institution of Oceanography, Box 1529, La Jolla, California 92037**. The University of California is an Equal Opportunity, Affirmative Action Employer. Women and minorities are encouraged to apply.

POSITIONS OPEN

MARINE RESOURCES CENTER STAFF POSITIONS

Two) **Resident Directors—M.S. degree** (minimum) or equivalent experience. Experience in fields of ocean or estuarine related research, or marine related science education. Salary range: \$15,000 to \$17,000.

One) **Aquarium Specialist—B.S.** or equivalent experience. Knowledgeable in setting up and maintaining saltwater aquaria. Salary range: \$10,000 to \$12,000.

One) **Public Information, Scientific Exhibit specialist—B.S.** minimum or equivalent. Knowledgeable in presenting scientific exhibits for student groups (1-12), university groups, and the public. Salary range: \$10,000 to \$12,000.

Three) **Science Education Assistants—B.S.** or equivalent experience. To assist those listed above in the development and execution of the Center's program. Salary range: \$8,000 to \$10,000.

The Marine Resources Center is an Affirmative Action/Equal Opportunity Employer. Résumés should be mailed to:

Office of Marine Affairs
Department of Administration
116 West Jones Street
Raleigh, North Carolina 27603

ACADEMIC POSITION

ORGANIC CHEMIST. Faculty appointment, beginning September 1975, probably at the Assistant Professor level, although an appointment at a more advanced level will be considered. Research excellence, motivation, and teaching ability will be the principal considerations; however, the successful candidate will likely have interests which complement, rather than duplicate, those which exist within the department. Qualified minority and women candidates are encouraged to apply. Send résumé, three letters of recommendation, to **Chairman, Organic Screening Committee, Department of Chemistry, State University of New York at Buffalo, Buffalo, N.Y. 14214**. The University is an Equal Opportunity/Affirmative Action Employer.

PHARMACOLOGIST

Position available in the Department of Oral Biology. Minimal qualifications include teaching and research in dental pharmacology and therapeutics. Inquiries should be addressed to **Dr. Lindsay Hunt, Chairman, Department of Oral Biology, Emory University School of Dentistry, 1462 Clifton Rd. NE, Atlanta, Ga. 30322**. An equal opportunity, affirmative action employer.

PHYSIOLOGIST. Assistant Professorship available September 1975 for an animal physiologist with postdoctoral experience. Must be interested in teaching a large introductory course and a course in own specialty, and committed to maintaining an active research program. Send curriculum vitae, reprints, statement of research and teaching experience and interests, and references to: **Prof. Alan N. Epstein, Chairman, Search Committee, Department of Biology, University of Pennsylvania, Philadelphia, Pa. 19174**. An Equal Opportunity and Affirmative Action Employer.

PHYSIOLOGIST

Assistant or Associate Professor of Physiology to start as early as 1 July 1975. Neuroendocrinologist preferred with special interest in biosynthesis and structure of protein hormones to work collaboratively with well-established group. Successful candidate will be expected to participate in undergraduate and graduate teaching and to continue high quality research program. Applicants should send curriculum vitae and names of referees to **Dr. J. Kraicer, Department of Physiology, Queen's University, Kingston, Ontario, Canada**.

PLANT PATHOLOGIST. Needed is a group leader to conduct testing of a large number of compounds as potential fungicides and bactericides at the laboratory and greenhouse level. Person should have Ph.D. or equivalent experience and an interest in crop protection. Should be able to plan and execute an innovative research program for improved methodology on both foliage and soil diseases. Develops data and recommendations for program of separate field research group. Persons interested should send résumé to **R. K. Thompson, Chevron Chemical Co., 940 Hensley Street, Richmond, California 94804**.

POSITIONS OPEN

THE SCHOOL OF OPTOMETRY, UNIVERSITY OF CALIFORNIA, Berkeley, has a permanent position immediately available at the assistant professor level. The Department hopes to attract a person with a background in optometry and graduate training in one of the following areas: optics, vision for the partially sighted, or community health optometry. The person would be expected to carry out active research in the person's own field of interest and teach in the School of Optometry.

The University of California is an equal opportunity employer with an Affirmative Action Program and welcomes applications from women and minority candidates.

Submit complete curriculum vitae and reprints to **Dr. Kenneth A. Polse, School of Optometry, University of California, Berkeley, California 94720.**

PHARMACOLOGIST

Ph.D. or terminal year doctoral graduate student wanted to participate in innovative teaching program in physician assistant program. Because of this teaching program there will be ample opportunity to pursue an active research program.

Send letter of application and curriculum vitae to: **Paul E. Benoit, Ph.D., Director of Bioscience Courses, Division of Allied Health Programs, The Bowman Gray School of Medicine, 1990 Beach Street, Winston-Salem, North Carolina 27103. An Equal Opportunity Employer.**

POSTDOCTORAL FELLOW

Position available for postdoctoral fellow (M.D. or Ph.D.) in laboratory for studies of endocrine aspects of bone disease (experience with radioimmunoassay desirable). Apply to **Dr. David Baylink, Veterans Administration Hospital, 4435 Beacon Avenue South, Seattle, Washington 98108.**

DEPARTMENT OF AGRONOMY UNIVERSITY OF ILLINOIS

Postdoctoral positions available for research in several areas of Agronomy including Plant Physiology. All positions located at Urbana, Illinois 61801. Send résumé to **R. W. Howell, An equal opportunity employer.**

POSTDOCTORAL POSITION

Available January 1975 for study of immunocompetent cells in salivary gland and related glands. Work with germfree animals and immunofluorescence. Experience with immunofluorescence techniques important. Send résumé and two references to: **Head, Department of Immunology, Forsyth Dental Center, 140 Fenway, Boston, Mass. 02115. An Affirmative Action/Equal Opportunity Employer.**

POPULATION BIOLOGY

A postdoc in population biology interested in genetic structure of populations and species to conduct research 1975-1976, on a grant basis.

Send information, curriculum vitae, references and reprints to:

**Prof. Eviator Nevo
Department of Biology
University of Haifa, Haifa, Israel**

UNIVERSITY OF MANITOBA FACULTY OF MEDICINE

Invites applications and nominations for the position of

Professor and Head Department of Biochemistry

Candidates should have a substantial record of accomplishment in biochemical research as well as extensive teaching experience. The Department is responsible for the teaching of biochemistry to medical students and also has an established graduate program leading to the Ph.D. degree. Applications and nominations should be accompanied by a curriculum vitae and submitted to:

**Dr. Henry G. Friesen, Chairman
Biochemistry Search Committee
Department of Physiology
Faculty of Medicine
University of Manitoba
Winnipeg, Manitoba, R3E 0W3, Canada**

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BIOENGINEER

Leading specialty chemical manufacturer requires a bioengineer for fermentation research. Position would be located in San Diego, California. Responsibility would include improvement of fermentation efficiency as well as improvement of product recovery efficiency in bench process scale-up to pilot level.

The applicant should have an M.S. or Ph.D. or equivalent in Bioengineering or Chemical Engineering utilizing a strong background in fermentation bioengineering and biochemistry. Up to three years experience in fermentation technology also would be desirable.

Please submit resume and salary requirements to:

Dr. K. S. Kang

Kelco

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San Diego, CA 92113

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ELECTRON MICROSCOPISTS

Active research laboratories providing stimulating environment for experienced electron microscopy technicians. Research plans include development of new techniques of ultrastructural immunocytochemistry, structure and functions of eye tissues, and dermatology. Traditional techniques will be emphasized. Additional techniques will include frozen thin sections, antibody tracers, high resolution scanning, and autoradiography.

Bachelor's degree in related discipline with one or more years of experience required. Master's degree preferred, experience in biochemistry and immunology helpful.

Salary will be commensurate with education and experience. Liberal fringe benefit program including contributory comprehensive group practice health insurance plan for employee and dependents, life insurance, 12 holidays, 1 month's vacation, employer paid pension plan, university facilities and programs.

Send résumé, including salary requirements, or contact Personnel Department

203-436-8620 or 203-436-8621



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POSITIONS OPEN

POSTDOCTORAL POSITION FOR SCIENTIST OR ENGINEER. Two-year project to study electrical properties of biological materials. Send curriculum vitae and two letters of recommendation to **Head, Chemical Engineering Department, Ben-Gurion University, Beer-Sheva, Israel.**

POSTDOCTORAL RESEARCH

December 1974, biochemical investigator of connective tissue proteins in lung. Background in enzymology and/or protein chemistry and analytical techniques desirable. Starting salary (\$10,000 per year) with aim to select a collaborating independent investigator. **Dr. C. J. Martin, Institute of Respiratory Physiology, Virginia Mason Research Center, 1000 Seneca, Seattle, Washington 98101.**

PREDOCTORAL ASSISTANTSHIPS AND TRAINEESHIPS. In Oncology, Immunology, Microbiology, Virology, and Molecular and Cellular Biology. Prerequisites: B.S. degree in biology, chemistry, or related fields with B average or better and high G.R.E. score. U.S. citizenship required. Traineeships and assistantships available. Inquiries should be submitted to: **Dr. Sheldon Dray, Head, Department of Microbiology, University of Illinois Medical Center, P.O. Box 6998, Chicago, Illinois 60680.**

PREVENTIVE DENTISTRY. Full-time position for D.D.S. with graduate degree preferably in microbiology. To take charge of teaching preventive dentistry to both undergraduate and graduate dental students as well as to carry out research related to microbial mechanisms in caries and periodontal disease. Salary commensurate with experience. Position available 1 July 1975. Send résumé, including publications and names of references, to: **Dr. J. W. Stamm, Faculty of Dentistry, McGill University, Montreal, Canada, H3C 3G1.**

PSYCHIATRISTS AND OTHER MENTAL HEALTH SCIENTISTS

Full University academic positions in clinical, applied, and basic mental health research and teaching. Includes Biochemistry, Psychophysiology, Computer Applications, and others. Midwest psychiatric institute. Write

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POSITIONS OPEN

PROGRAM DIRECTOR, BIOMEDICAL SCIENCES. The University of California, Riverside, has an opening for an individual to head a new Program in Biomedical Sciences. This special program leads to the M.D. degree in 7 years, and will use facilities and faculty at UC Riverside the San Bernardino County Medical Center, and the UCLA School of Medicine. A more detailed description of the program will be sent to interested individuals. Applicants should have a doctorate in one of the biomedical sciences, and experience in teaching premedical and/or medical students. They should have national and international reputation as researchers in a field of biomedical science with accomplishments compatible with an appointment as full professor in the University of California. They should have administrative experience equivalent to that of department chairman and, preferably, be familiar with teaching programs involving the participation of several academic units. Most importantly, the individual to be chosen must have the ability to interact effectively with colleagues both in the basic sciences and in clinical medicine, as well as with students and administrators. The appointment will be at the rank of Professor and Associate Dean at a salary commensurate with the qualifications and experience of the applicant.

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

Applications should be made to the **Vice Chancellor for Academic Affairs, University of California, Riverside, Calif. 92502.**

FOUR PSYCHOLOGY FACULTY POSITIONS

Physiological Psychology (one Assistant Professor) and Quantitative Psychology (two Assistant Professors and one Associate Professor). Interest in one or more of the following: Single-unit recording, neurochemistry, neuroendocrinology, neuropharmacology, psychometrics, multivariate analysis, or mathematical models. Send curriculum vitae, preprints or reprints, and letters of reference to **C. J. Bartlett, Chairman, Department of Psychology, University of Maryland, College Park, Md. 20740.** *An equal opportunity, affirmative action employer.*

SOLID-STATE PHYSICS. New York University has an opening at the Postdoctoral or Research Assistant Professor level in the area of theoretical solid-state physics. Preference will be given to candidates who have worked on phase transitions in condensed matter. Résumé and references should be sent to **Department of Physics, New York University, 4 Washington Place, New York, N.Y. 10003.** Attention: Solid State Search Committee. *New York University is actively committed to equality of opportunity and the goals of affirmative action.*

POSITIONS OPEN

QUALITY OF CARE RESEARCH

M.D. with at least 1 year of clinical experience or training beyond internship and graduate level training in biometry, public health, or statistics. Some experience in use of computers and data base management desirable. The principle activity is an ongoing research project in comparing various methodologies for determining quality of care using data collected as part of an automated medical record system. Faculty appointment as Assistant Professor starting 1 January 1975. Send curriculum vitae and a list of three references to **Director of Medical Computer Sciences, Yale Medical School, 333 Cedar Street, New Haven, Conn. 06510.** *Applications from members of minority groups and women are encouraged.*

CSIRO

DIVISION OF CLOUD PHYSICS SYDNEY, 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.

Field: NUMERICAL MODELING OF CLOUDS.

General: The Division undertakes research into the factors governing natural precipitation processes and the ways in which these processes can be modified. It carries out laboratory investigations, and studies natural clouds in the field using its own extensively instrumented aircraft. A considerable amount of theoretical work is undertaken in association with this research. A Control Data 7600 computer is available for data processing and for numerical studies.

Duties: To set up and lead a small theoretical group whose aim will be to formulate numerical models of clouds from which predictions can be made of the effect of different environmental parameters on cloud growth and the development of precipitation. It will be regarded as essential to test the predictions against the behavior of real clouds and the applicant will be expected to determine means of carrying out such tests. Participation in the field testing would also be desirable.

Qualifications: A Ph.D. degree or equivalent qualifications in meteorology, physics, or applied mathematics together with demonstrated research ability and considerable experience in numerical modeling techniques and in computer programming. Prior experience in the development of cloud models is essential.

Salary: The appointment will be made within the salary ranges of Research Scientist or Senior Research Scientist: \$10,448 to \$15,456.

Tenure: An indefinite or a 3-year fixed term appointment may be negotiated. An indefinite appointment carries Australian Government Superannuation Benefits.

Applications stating full personal and professional details, the names of at least two referees and quoting reference number 425/22 should reach: **The Chief, Division of Cloud Physics, CSIRO, P.O. Box 134, Epping, N.S.W. 2121** by 27 December 1974.

VETERINARY CLINICAL PATHOLOGIST. A position as clinical pathologist is available in the veterinary teaching hospital at Colorado State University. Duties include responsibility for operation of the clinical pathology laboratory as well as teaching veterinary students. Involvement in research and continuing education is encouraged. Applicants must possess a D.V.M. (or equivalent) degree, and persons with advanced degree, membership in ASVCP or Clinical Pathology Diplomate of the ACVP will be given preference. Rank and salary will depend on training, experience, and background. *CSU is an Equal Opportunity Employer.* **Department of Clinical Sciences, Colorado State University, Fort Collins, Colorado 80523.**

THE AUSTRALIAN NATIONAL UNIVERSITY VICE-CHANCELLOR

The Vice-Chancellorship of the Australian National University will become vacant in February 1975.

The Chancellor, **Dr. H. C. Coombs**, invites men or women with appropriate experience and qualifications to write to him by 16 December 1974 at **Box 4 P.O., Canberra, A.C.T. 2600.** He would also welcome suggestions as to names which might be considered. All inquiries and suggestions will be treated in confidence.

Pharmaceutical R & D

The following opportunities, all offering better than average potential for career growth, are currently available on our staff.

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Ph.D. Medical Microbiology with solid background in biochemistry. Responsible for research utilizing model bacterial infections developed in laboratory animals for the elucidation of key factors involved in host-parasite relationships and infection pathogenesis.

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M.S. or Ph.D. in a biological science and thorough knowledge of FDA regulations. Responsible for writing and compiling new drug applications.

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Ph.D. Pathology or Toxicology and four or more years of industrial experience in animal pathology or toxicology. Candidate should be capable of providing administrative leadership of a coordinated Pathology and Toxicology Section.

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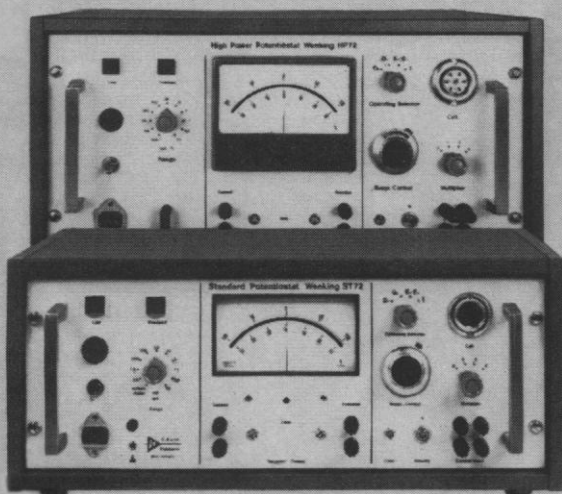
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POSITIONS OPEN

SYSTEMS ECOLOGIST

The Institute for Environmental Studies, University of Wisconsin-Madison, has a position for a systems ecologist. This teaching-research faculty position is at the assistant or associate professor level with a first emphasis in undergraduate teaching. The applicant must be a mathematically or computer-oriented biologist with ability to work with complete systems, involving man and spanning biological, physical, social, and human areas.

Send curriculum vitae, list of references, teaching and research interests by 15 January 1975 to:

Professor Grant Cottam
Institute for Environmental Studies
70 Science Hall
University of Wisconsin-Madison
Madison, Wis. 53706
An Equal Opportunity Employer

THEORETICAL ANIMAL ECOLOGIST

The Zoology Department, Arizona State University, is seeking a theoretical animal ecologist for a position at the rank of Assistant Professor starting August 1975. Applicants must have a Ph.D. and training in either systems ecology or evolutionary ecology with a mathematical orientation. Application deadline is 1 February 1975. Send curriculum vitae and three letters of recommendation to:

John Alcock
Search Committee
Zoology Department
Arizona State University
Tempe, Arizona 85281
An Equal Opportunity Employer

DEPARTMENT OF ZOOLOGY UNIVERSITY OF ALBERTA EDMONTON, ALBERTA, CANADA T6G 2E1

Two faculty positions available 1 July 1975, as Assistant or Associate Professor in invertebrate zoology and vertebrate paleontology. Duties will include teaching in these fields at both general and advanced levels. Strong research orientation and Ph.D. are required. At the present time the department has 26 full-time academic staff members, modern quarters, advanced equipment, and more than 75 graduate students (M.Sc. and Ph.D.). Applicants should send a curriculum vitae and the names of three referees to **Dr. J. R. Nursall, Chairman**, before 31 January 1975.

TRAINING PROGRAM

ANNOUNCEMENT A TRAINING PROGRAM IN THE PATHOLOGY OF MEMBRANES YALE UNIVERSITY

The program is designed to provide advanced research training for M.D.'s and Ph.D.'s with interest in the biochemical, biophysical, and molecular biological aspects of **Cell Membranes**. An emphasis is to be placed on the role of membranes in human disease.

Eligible: M.D.'s with 1 or 2 years of residency training or Ph.D.'s who wish to obtain additional training in fundamental approaches in the study of membranes as well as experience in dealing with problems related to human disease.

Fellows will have access to facilities in the departments of Pathology, Immunology, Cell Biology, Molecular Biophysics and Biochemistry, Chemistry, Physiology, and Internal Medicine at Yale University.

The training program will include formal courses in physical approaches to the study of membrane structure, techniques in isolation and characterization of membrane components, seminars in the area of the molecular biology and pathobiology of cell membranes, trainee meetings, and an invited lecturer series. Trainees will be encouraged to develop research programs involving two or more of the participating laboratories.

Fellowships are available as of 1 July 1975 through an NIGMS institutional training grant. Inquiries should be addressed to **Dr. Vincent Marchesi, Professor of Pathology and Cell Biology, Yale University School of Medicine, 310 Cedar Street, New Haven, Conn. 06510.**

Application by women and minority group members is encouraged.

POSITIONS OPEN

WILDLIFE ECOLOGIST

Assistant or Associate Professor position for an ecologist with qualifications in fisheries and/or wildlife biology and management will be available in August 1975. Send curriculum vitae, three letters of recommendation, and reprints to **M. F. Wilson (Chairman, Search Committee), Department of Ecology, Ethology and Evolution, Vivarium Building, University of Illinois, Champaign, Illinois 61820.** Deadline for applications: 1 January 1975.

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

PROFESSIONAL PROGRAM

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 1975. **Division of Special Studies, Massachusetts College of Optometry, 424 Beacon St., Boston, Mass. 02115.** Telephone: (617) 261-3430, Extension 30.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP

Subject to approval of funds, postdoctoral opportunities are anticipated in the following areas of biting fly research program on biocontrol: (i) ecology of larval blackflies, (ii) laboratory studies and culture of pathogens and parasites of biting flies, and (iii) field surveys for biting fly pathogens and parasites. Send application and so forth to **Dr. M. Laird, Director, Research Unit on Vector Pathology, Memorial University of Newfoundland, St. John's, Newfoundland.**

RESEARCH PROJECT

OCEAN LIVING THE NEW FRONTIER

The Ocean Living Institute has been formed to conduct and promote research in oceanography and independent self-sufficient forms of community living on the ocean. It will encourage individuals and business firms to form investment groups to fund construction and operation of ocean based industries, serve as a clearinghouse for ocean living contacts, publish information on legal and other aspects of oceanic settlement, publish information on new concepts in oceanography, aquaculture, and oceanic settlement, and conduct tests on new concepts and devices.

The institute is a nonprofit corporation and contributions of cash and supplies are deductible for federal income tax purposes. The institute is in the formative stages, and is especially interested in hearing from people who can help to develop it.

Further information is available from, and contributions should be sent to:

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23 River Road
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FELLOWSHIPS

UNIVERSITY OF MELBOURNE RESEARCH FELLOWSHIPS

Several fellowships are awarded twice each year for full-time research in any department of the University.

Eligibility: Ph.D. or at least equivalent research experience.

Tenure: 1 to 2 years.

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GRANTS-IN-AID AND TRAVEL GRANTS

Several grants-in-aid are also awarded twice each year to academics on salaries leave to conduct full-time research at the University.

Detailed information from the **Secretary for Graduate Studies, University of Melbourne, Parkville, Victoria, 3052, Australia**, or from the **Australian Consulate-General, 636 Fifth Avenue, New York, N.Y. 10020.**

Applications close 31 January 1975.

POSTDOCTORAL FELLOWSHIP IN IMMUNOCHEMISTRY

With special emphasis on cellular antigens, including neoplastic cells. \$7200 per year plus dependency allowance. Address applications to: **Dr. Alois Nowotny, Department of Microbiology & Immunology, Temple University School of Medicine, Philadelphia, Pa. 19140.** *An Equal Opportunity, Affirmative Action Employer.*

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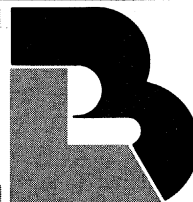


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⁽¹⁾ Miller & Udenfriend (Archives of Biochemistry & Biophysics, 139, 104-113, 1970)

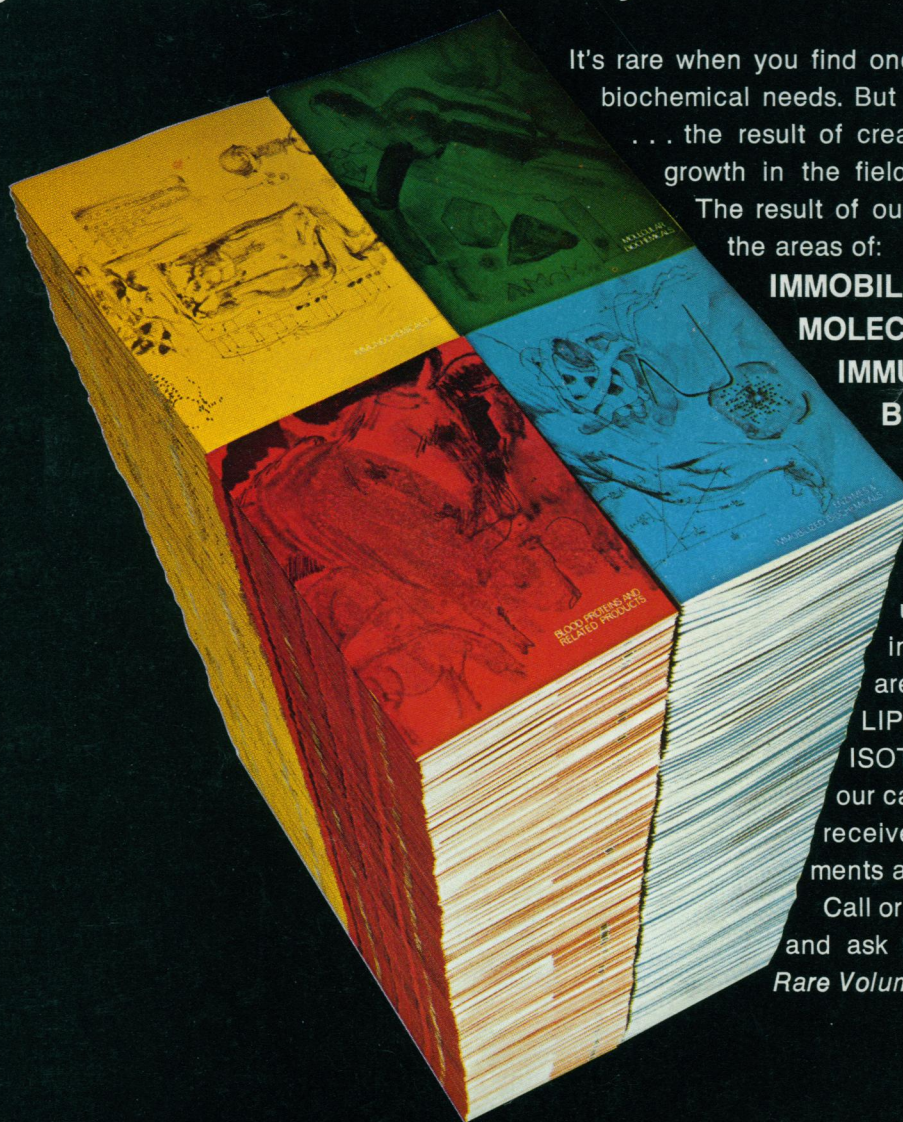
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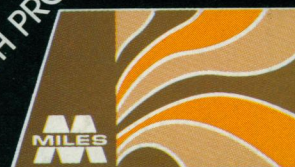
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