

BOOKS RECEIVED

(Continued from page 48)

Buenos Aires, Oct. 1974. Liliana K. de Ikoni-coff and Lise Cedard, Eds. INSERM, Paris, 1975. 124 pp., illus. Paper, 30 F.

Nitrogen Fixation in Bacteria and Higher Plants. R. C. Burns and R. W. F. Hardy. Springer-Verlag, New York, 1975. x, 192 pp., illus. \$25.80. Molecular Biology, Biochemistry and Biophysics, 21.

Perception, Common Sense, and Science. James W. Cornman. Yale University Press, New Haven, Conn., 1975. xiv, 420 pp. \$20.

Perspectives in Organometallic Chemistry. Elsevier Sequoia, Lausanne, Switzerland, 1975. vi, 288 pp., illus. Paper, \$6. *Journal of Organometallic Chemistry*, vol. 100, No. 1.

Photography in Archaeological Research. Elmer Harp, Jr., Ed. University of New Mexico Press, Albuquerque, 1975. xxiv, 380 pp., illus. \$20. School of American Research Advanced Seminar Series. A School of American Research Book.

Piaget Sampler. An Introduction to Jean Piaget Through His Own Words. Sarah F. Campbell, Ed. Wiley, New York, 1976. xiv, 154 pp. Cloth, \$9.95; paper, \$4.95.

Plasma and Laser Light. T. P. Hughes. Halsted (Wiley), New York, 1975. xxii, 518 pp., illus. \$90.

The Plasma Proteins. Structure, Function, and Genetic Control. Vol. 2. Frank W. Putnam, Ed. Academic Press, New York, ed. 2, 1975. xvi, 436 pp., illus. \$34.50.

Primary Cosmic Radiation. D. V. Skobel'syn, Ed. Translated from the Russian edition (Moscow, 1973) by Julian B. Barbour. Consultants Bureau (Plenum), New York, 1975. vi, 110 pp., illus. Paper, \$32.50. The Lebedev Physics Institute Series, vol. 64.

Principles of Applied Clinical Chemistry. Chemical Background and Medical Applications. Vol. 1, Maintenance of Fluid and Electrolyte Balance. Samuel Natelson and Ethan A. Natelson. Plenum, New York, 1975. xviii, 394 pp., illus. \$22.50.

Prof. E. McSquared's Original, Fantastic and Highly Edifying Calculus Primer. H. Swann and J. Johnson. Kaufmann, Los Altos, Calif., 1975. 112 pp., illus. Paper, \$2.95. An Umbrella Book.

Protein Sequence Determination. A Sourcebook of Methods and Techniques. Saul B. Needleman, Ed. Springer-Verlag, New York, ed. 2, 1975. xviii, 396 pp., illus. \$44.80. Molecular Biology, Biochemistry and Biophysics, vol. 8.

Quantum Electronics. A Treatise. Vol. 1, Nonlinear Optics. Herbert Rabin and C. L. Tang, Eds. Academic Press, New York, 1975. Two volumes, illus. Part A, xii, 472 pp. + index. \$35. Part B. x + pp. 473-754. \$22.50.

The Rat. A Study in Behavior. S. A. Barnett. University of Chicago Press, Chicago, ed. 2, 1976. xiv, 318 pp., illus. \$20.

Research in Psychophysiology. Peter H. Venables and Margaret J. Christie, Eds. Wiley, New York, 1975. x, 444 pp., illus. \$32.

The Rhesus Monkey. Vol. 1, Anatomy and Physiology. Geoffrey H. Bourne, Ed. Academic Press, New York, 1975. xvi, 420 pp., illus. \$31.

Schering Workshop on Central Actions of Estrogenic Hormones. Berlin, Mar. 1974. G. Raspé and S. Bernhard, Eds. Pergamon, New York, and Vieweg, Braunschweig, Germany, 1975. viii, 344 pp., illus. \$43.75. Advances in Biosciences 15.

Personnel Placement

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

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

DISPLAY (POSITIONS OPEN, MARKET PLACE, AND SO FORTH): \$130 per inch, minimum, per insertion (1 inch is equivalent to 11 lines of 52 spaces each). Ads over 1 inch billed to nearest quarter inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information must accompany all other advertising.

COPY for ads must reach SCIENCE by Wednesday, 3-½ weeks before issue date (Friday of each week) requested. Send copy for all positions wanted ads and display ads under 5 inches to:

SCIENCE, Room 207
1515 Massachusetts Ave., NW
Washington, D.C. 20005

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

Scherago Associates, Inc.
11 West 42 Street
New York, N.Y. 10036

BLIND AD replies should be addressed as follows:

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

POSITIONS WANTED

Analytical Chemist: B.S. 1967. Seeking R & D position doing materials analysis and characterization. No agencies please. Box 159, SCIENCE.

4/2, 9, 16, 23

Anatomist, Ph.D. (gross, embryology, histology). Currently medical school faculty member, with teaching and research experience. Publications. Seeks teaching position with time for research activities. Box 160, SCIENCE.

X

Aquatic Ecologist, Ph.D. Emphasis on freshwater fishes. Teaching, consulting experience. Three years of experience with environmental impact analysis for a broad range of industrial projects. Seeks teaching (general biology, ecology, ichthyology) or applied research position. Box 145, SCIENCE.

X

Aquatic Plant Physiologist/Biologist, Ph.D. Five years of research experience in biological and chemical aquatic pest management and ecology of aquatic systems, water quality, and so forth. Box 161, SCIENCE.

X

Biochemist. Ph.D. Years of teaching and postdoctoral experience in cancer research: human cancer, chemical carcinogenesis, enzymes, tissue culture. Publications. Seeks teaching/research position in industry, hospital, college/university. Available after June. Box 162, SCIENCE.

X

Biochemist, Ph.D., Rochester, 1963. Transfer RNA chemistry, nucleic acids, antimetabolites, medical school teaching. Seeks university/college or private research position, anywhere. Dr. R. D. Faulkner, 2424 North Ridge Drive, Gautier, Mississippi 39553. Telephone: 601-497-4466.

4/2, 9

Biochemist/Nutritionist. Ph.D. Extensive research and administrative experience. Grants/contracts. Forty-five plus publications. Interests: vitamins (biochemistry/nutrition/pharmacology); metabolism (intermediary/disorders); CNS; behavior (biochemical correlates/nutrition); interactions (drugs/nutrients); environmental; and so forth. Presently director, research laboratory. Seeks challenging position: government/academic/industry. Box 163, SCIENCE.

X

POSITIONS WANTED

Biostatistics, behavior measurement. Ph.D. Psychology/mathematics, postdoctoral anatomy/physiology. Twelve years of experience consulting, teaching applied statistics, modeling in biology, psychology, and medicine. Lab experience in animal learning, brain-behavior analysis, electrophysiology, preference testing. Publications. Seeking position with some fieldwork. Box 164, SCIENCE.

X

Ecologist/Botanist, M.Sc. with diverse background including considerable experience in land use planning, soils, environmental impact, aerial photo analysis. Seeks consulting/research/administrative position. Publications. B. Kershner, 163-C Foster Drive, Willimantic, Connecticut 06226.

X

Fisheries Biologist: recent Ph.D. desires position in warm water fish culture, fish nutrition, and pond management. Teaching and research experience in fish nutrition, culture, and biochemistry. Publications. Box 165, SCIENCE.

X

Medicinal Chemist, molecular pharmacologist full professor, multilingual Canadian with European background, seeks senior academic or research position. Vigorous research program, numerous publications, industrial and administrative experience. Willing to relocate, including overseas. Box 166, SCIENCE.

X

Physiology/Neurobiology/EM. Medical school interdisciplinary dual Ph.D., postdoctorate of prominent membrane morphologist, publications. Fundable research on model membranes. Telephone: 919-684-4124, extension 36.

X

POSITIONS OPEN

ASSISTANT PROFESSOR, to begin fall 1976. Ph.D. in anatomy and/or physiology to coordinate allied health programs and to teach in biology program. Application deadline 23 April. Applicants should arrange to have transcripts, three letters of evaluation, and résumé sent to: **Dr. T. Rambo, Department of Biological Sciences, Northern Kentucky State College, Highland Heights, Kentucky 41076.** An Equal Opportunity/Affirmative Action Employer.

The University of Minnesota Medical School, Minneapolis, invites nominations and applications for a faculty position at the rank of **ASSOCIATE PROFESSOR OR PROFESSOR** for an endowed chair in the field of rheumatic diseases. This position requires a physician-medical scientist holding the M.D. degree; Ph.D. degree in addition is desirable, but optional. Specialty training and postdoctoral fellowship or equivalent research training are desirable. Candidates should have clinical and research experience in basic mechanisms of pathogenesis of connective tissue diseases. Leadership in academic medicine should be demonstrated by scientific research and strong commitment to undergraduate and graduate medical education. Inquiries, including a curriculum vitae, should be sent to **Dr. Alfred Michael, Chairman of Search Committee, Department of Pediatrics, Mayo Box 491, University of Minnesota Medical School, Minneapolis, Minnesota 55455.** An Equal Opportunity/Affirmative Action Employer.

The City College of the City University of New York, Department of Biology. Applications are invited for a position at the **ASSISTANT PROFESSOR** rank beginning fall 1976. Applicants must have a Ph.D. in biology, proven research ability, and teaching experience. The candidates must be qualified to teach undergraduate courses, as well as specialty areas at the graduate level. The department seeks an individual with research experience in any one of the following areas: (i) animal behavior, preferably of marine invertebrates; (ii) cellular or molecular biology; or (iii) biostatistics-biomathematics. The major research interests of the department are behavioral and environmental sciences. Interested persons should send letter of application, curriculum vitae, and names of three references by 1 May to: **Professor Paul L. Krupa, Secretary, Executive Committee, Department of Biology, City College of the City University of New York, 138th Street and Convent Avenue, New York, New York 10031.** An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ARTIFICIAL ORGANS AND NEUROPROSTHESES

A large and prestigious New York medical school and teaching hospital is seeking an established investigator to implement a program for developing and testing neuroprostheses.

Minimal requirements include an earned doctorate in bioengineering or other field related to neuroprosthesis development. Basic support and academic appointment will be determined by salary history and record productivity.

Send curriculum vitae and bibliography with representative reprint to:

Box 167, SCIENCE
Affirmative Action and Equal Opportunity Employer

Applications are invited for an appointment at the **ASSISTANT PROFESSOR** level (depending on qualifications) in the Radiobiology Section of the Department of Human Oncology, Wisconsin Clinical Cancer Center of the University of Wisconsin. This will be a full-time appointment with responsibilities for teaching undergraduate and graduate students, as well as maintaining a strong independent research program. Please send curriculum vitae to: **R. E. Durand, Chairman, Radiobiologist Search Committee, University of Wisconsin, 420 North Charter Street, Madison, Wisconsin 53706.** Apply by 1 May 1976.

Equal Opportunity/Affirmative Action Employer

Two full-time positions, Department of Pharmacology, **ASSOCIATE AND ASSISTANT PROFESSOR** levels. Candidate must be Ph.D., proficient in teaching medical and graduate students with research accomplishments essential. Women and minorities encouraged. All applicants send curriculum vitae, bibliography, and names of three references to: **Chairman, Department of Pharmacology, University of Health Sciences, Chicago Medical School, 2020 West Ogden Avenue, Chicago, Illinois 60612.** *An Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR OF MEDICINE (biochemistry) working on a collaborative research project involving the biochemistry of animal virus replication, transcription, and cell transformation. Knowledge of protein and nucleic acid chemistry is essential. *Yale University and the Department of Medicine are Affirmative Action/Equal Opportunity Employers. We encourage applications from qualified women and minority group members.* Applications received within a month of the appearance of this ad will be considered.

Send curriculum vitae, reprints, and names of three references to:

Dr. William Konigsberg
Department of Molecular Biophysics
and Biochemistry
Yale University
333 Cedar Street
New Haven, Conn. 06510

ASSISTANT/ASSOCIATE PROFESSOR PHYSICAL OCEANOGRAPHER

Applications are invited for a teaching and research position as physical oceanographer at the University of Rhode Island, starting 1 July 1976. Several years of experience with a demonstrated capacity for outstanding research in an area such as the dynamics of the upper ocean, ocean currents, shelf circulation, and/or estuarine processes is desirable. A new research vessel will provide an excellent facility for developing seagoing programs. Reply with résumé and three letters of recommendation to **Professor Thomas Rossby, Chairman of Search Committee, Graduate School of Oceanography, Kingston, R.I. 02881.**

An Affirmative Action/Equal Opportunity Employer

ASSISTANT PROFESSOR, PLANT ECOLOGY. We are seeking a Ph.D. with a rare balance of human insight, professional competence, and commitment to undergraduate teaching excellence, to teach in the areas of dendrology, plant ecology and physiology, and introductory forestry. Send professional résumé and letter to **Dr. Philip Nanzetta, Dean, Faculty of Natural Sciences and Mathematics, Stockton State College, Pomona, N.J. 08240.** *Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSORSHIP: The Department of Pharmacology is being reorganized under a new chairman. In anticipation of new faculty positions to be created, applicants with a strong interest and research record in biochemical pharmacology may send curriculum vitae to:

Dr. David B. Ludlum, Chairman
Department of Pharmacology
Albany Medical College
Albany, New York 12208
An Equal Opportunity/Affirmative Action Employer

Applications are invited for a faculty position (**ASSISTANT PROFESSOR**) beginning September 1976 in **COMPARATIVE ANATOMY OF VERTEBRATES.** Teach traditional comparative anatomy of vertebrates and graduate mammalian anatomy, develop an active research program, and direct graduate research. Ph.D. and a record of excellence in college teaching and research is required. Application deadline is 23 April. Send letter of application, curriculum vitae, complete transcript, outline of research plans, and three letters of recommendation to: **Dr. C. D. Brown, Chairman, Department of Biology, Memphis State University, Memphis, Tennessee 38152.** *Equal Opportunity Employer, M/F.*

TWO POSITIONS IN ANATOMY

Two assistant professors, Ph.D. or M.D. with postdoctoral research and teaching experience and ability to develop independent research program; one with teaching interest in gross anatomy, and the other in microscopic anatomy. Send curriculum vitae to: **Dr. G. Gordon Robertson, Department of Anatomy, University of Tennessee Center for the Health Sciences, Memphis, Tennessee 38163.**

Equal Opportunity/Affirmative Action Employer

ASSISTANT PROFESSOR AQUATIC ECOLOGY

Aquatic ecologist (fish biologist) position available August 1976. Responsibilities: participation in lecture, laboratory, and field offerings of undergraduate curriculum in fisheries management; development of courses in specialty; and research in aquatic biology. Ph.D. and publications required. Please send a curriculum vitae, transcripts, reprints, a summary of research interests, and three letters of recommendation to:

Dr. W. L. Minckley
Chairman, Search Committee
Department of Zoology
Arizona State University
Tempe, Arizona 85281

Application deadline: 18 April 1976.
Arizona State University is an Equal Opportunity/Affirmative Action Employer.

Department of Biochemistry and
Molecular Biology
The University of Oklahoma
Health Sciences Center

Faculty position of **ASSISTANT PROFESSOR** or higher, depending on qualifications, in biochemistry and molecular biology. Applicant should have demonstrated research ability in the general area of immunobiochemistry. Teaching of medical and dental biochemistry students and in the graduate biochemistry program is expected. Preference will be given candidates who have particular training and experience in the area of immunochemistry as a tool, in protein characterization, or in tumor biology.

Send names of four references and curriculum vitae to: **Head, Department of Biochemistry and Molecular Biology, The University of Oklahoma Health Sciences Center, P.O. Box 26901, Oklahoma City, Oklahoma 73190.** *The University of Oklahoma is an Affirmative Action Employer.*

ASSISTANT PROFESSOR OF BIOLOGY, LAKE BIOLOGIST wanted to develop a research program in freshwater biology. Ph.D. and working experience with large bodies of water is essential. Send résumé and three letters of recommendation to:

Dr. Harold W. Manner
Department of Biology
Loyola University
6525 North Sheridan Road
Chicago, Illinois 60626

Deadline date: 1 May 1976.

POSITIONS OPEN

ASSISTANT OR ASSOCIATE PROFESSOR MARINE AND ATMOSPHERIC SCIENCE

The University of Miami, Rosenstiel School of Marine and Atmospheric Science, invites applications for a faculty position at a level which will depend on the applicant's qualifications. Preference will be given to candidates with a strong interest in the modeling of climates and in atmosphere/ocean interactions on climatic time scales. Though the emphasis is on research, the position also involves some teaching and supervision of graduate students.

The appointment will be in the Division of Atmospheric Science, but there is strong interest in climate modeling also in the School's other divisions (Geology and Geophysics, Physical Oceanography, Biology and Living Resources). Besides University computing facilities there is access to the National Center for Atmospheric Research computing facility through a local terminal.

Please address applications or inquiries with four references to the chairman of the search committee:

Dr. Rainer Bleck
University of Miami
Division of Atmospheric Science
P.O. Box 249115
Coral Gables, Florida 33124

An Affirmative Action/Equal Opportunity Employer

BIOCHEMISTRY. Faculty positions at the assistant professor level. Candidates should have a Ph.D. and 2 years of postdoctoral experience or equivalent with demonstrated abilities in teaching and research. Preference will be given to individuals with strong backgrounds in fundamental biochemical disciplines who will develop research programs in cellular regulation, organelle function or biogenesis, neurobiochemistry, or growth and differentiation of eukaryotic cells. Send curriculum vitae, a coherent and comprehensive plan for future research, and names of three references to: **Search Committee, Department of Biochemistry, Medical School, 227 Millard Hall, University of Minnesota, Minneapolis, Minnesota 55455.** *An Equal Opportunity Employer.*

BIOLOGIST—Ph.D. to teach a course in cell biology and other related areas such as development and/or genetics. The person should be willing to assist in general biology in the future. Rank of assistant professor. Curriculum vitae, transcripts, and three letters of reference should be sent before 23 April to: **Edward G. Horn, Chairman, Biology Department, Russell Sage College, Troy, N.Y. 12180.** *An Equal Opportunity/Affirmative Action Employer.*

BIOCHEMIST

Merck Sharp & Dohme Research Laboratories is presently offering a unique career opportunity for a capable individual with a Ph.D. in biochemistry with 5 to 10 years of postdoctoral experience. Candidates must have a working expertise in protein, glycoprotein, and polysaccharide biochemistry, with interest in preventive medicine applications. Selected candidates must also possess ability to work in a team effort in the field of vaccine research.

You can expect a salary commensurate with experience, a complete benefit program, and a challenging opportunity to work in a stimulating and professional environment at our suburban Philadelphia location.

Please send summary of training and experience, date available, and minimum salary expected to:

DONAL E. JACKSON
**MERCK SHARP &
DOHME
RESEARCH
LABORATORIES**

Division of Merck & Co., Inc.
West Point, Pa. 19486

An Equal Opportunity Employer

POSITIONS OPEN

BIOGEOGRAPHER

Applications are invited for a position at the rank of **assistant professor**, Department of Geography, St. George Campus, University of Toronto, beginning 1 September 1976. The successful candidate will be expected to develop and teach courses in natural environmental systems with special emphasis on the spatial organization of the biosphere. He/she will work closely with the physical geography and resource management interests in the Department, including involvement in the teaching of introductory geomorphology. Preference will be given to candidates with a demonstrated interest in ecosystems, both natural and man-modified. The candidate must have a Ph.D. in geography or another appropriate field. A letter of application with curriculum vitae and the names of three referees should be sent to **Professor J. Spelt, Chairman, Department of Geography, University of Toronto, Toronto, Canada M5S 1A1**. Applications should be submitted before 1 May 1976.

BIOPHYSICAL POSTDOCTORAL position available summer or fall for spectroscopic investigations of drug-nucleic acid complexes using FT-NMR, circular dichroism, fluorescence, fluorescence-detected circular dichroism, and visible spectroscopic techniques. Interested applicants should submit curriculum vitae, transcript, and three letters of recommendation to **Dr. Thomas R. Krugh, Department of Chemistry, University of Rochester, Rochester, New York 14627**.

Position for **BIOPHYSICIST OR PHYSICAL CHEMIST** to continue and expand a strong research program investigating biophysical and biochemical aspects of low-temperature stress and its effects on horticultural plants. Should have training or experience in plant science, horticulture, and cryobiology, or should have a deep interest in these areas. Must be able to function in a cooperative team research situation. The scientist will also be required to teach and to advise graduate students. The appointment (12 months) will be at **assistant professor** in the **Laboratory of Plant Hardiness, Department of Horticultural Science, University of Minnesota, St. Paul, Minn. 55108**. Address inquiries to: **C. Stushnoff, Chairman of the Search Committee, Telephone: 612-373-1030**. Completed applications due 23 April 1976. *The University of Minnesota is an Equal Opportunity/Affirmative Action Employer and welcomes applications from women and minority groups.*

CARDIOVASCULAR PHYSIOLOGIST

The Department of Physiology of Northwestern University Medical Center invites applications for a faculty position at the assistant professor level in the field of cardiovascular physiology. The applicant should have 2 to 3 years of postdoctoral experience in an area related to cardiovascular system. The candidate will be required to develop an independent research program in mammalian cardiovascular physiology and will be responsible for teaching cardiovascular physiology to both medical and dental students. Interested individuals should send curriculum vitae and names of three references to:

**Dr. O. Hechter, Chairman
Department of Physiology
Northwestern University Medical School
303 East Chicago Avenue
Chicago, Illinois 60611**

Northwestern University is an Equal Opportunity/Affirmative Action Employer.

Stanford Medical School, **CHAIRPERSON**, Department of Pharmacology, a Basic Science Department responsible for research and for teaching of medical and graduate students, in both molecular and general pharmacology. Applicants will be evaluated on the basis of stature in the national research community, proven teaching ability, and administrative competence. Potential effectiveness in cooperating with members of clinical departments in teaching clinical pharmacology is also essential. Send applications, including up-to-date résumé, bibliography, and the names of at least three references to: **Search Committee for Pharmacology, c/o Dean's Office, Stanford University Medical School, Stanford, California 94305**. *Stanford University is an Equal Opportunity Employer, and welcomes nominations of women and minority group members and applications from them.*

POSITIONS OPEN

BIOPHYSICIST/VIROLOGIST

The biophysics program at Western Kentucky University anticipates an August opening for an **assistant professor**. Duties would likely include half-time (6 hours) in an undergraduate and master's level biophysics program and half-time research. Ph.D. required; salary dependent upon experience. Applicants with demonstrated abilities in molecular biology and mammalian cell virology are preferred. A funded investigation of certain environmental effects on human viruses, housed in a new mammalian cell virus laboratory, is in its second year. Send letter of application, complete résumé including course work in physics, biophysics, physiology, molecular biology, cell biology, and virology, and the names and addresses of three professional references to: **Dr. Thomas P. Coohill, Biophysics Committee Chairman, Department of Biology and Physics, Western Kentucky University, Bowling Green, Kentucky 42101**. Telephone: 502-745-3696. *Western Kentucky University is an Equal Opportunity/Affirmative Action Employer.*

CLINICAL VIROLOGIST University of North Carolina

Ph.D. or M.D. with research experience in virology and general experience in clinical microbiology to serve as associate director of the Clinical Microbiology Laboratories. Specific responsibility is to direct the Clinical Virology Laboratory. Academic appointment commensurate with experience. Research space available. Send résumé to:

**Dr. L. R. McCarthy
Department of Hospital Laboratories
North Carolina Memorial Hospital
Chapel Hill, North Carolina 27514**

An Equal Opportunity/Affirmative Action Employer

The Boston Biomedical Research Institute, a private, nonprofit organization, is seeking a **DEPARTMENT DIRECTOR** to establish a new research program in a field (for example, immunology, virology, cell biology, neurobiology, endocrinology) that would complement the programs in the existing five departments of the Institute. Applicants should have achieved a high professional status with wide recognition in their health-related field of research, and must show an ability to obtain adequate funding for their program.

Up to 1800 square feet of modern laboratory space could be assigned to the new department as of summer 1976, and extensive institutional facilities are also available.

Applications or inquiries should be marked "**Director Appointment**," **Personnel Officer, Boston Biomedical Research Institute, 20 Staniford Street, Boston, Massachusetts 02114**. *The Institute is an Equal Opportunity Employer.*

DIRECTOR FOR THE CENTER FOR ADVANCED COMPUTATION at the Champaign-Urbana Campus of the University of Illinois

The Center for Advanced Computation is a special unit of the Graduate College engaged in interdisciplinary research. Current programs include: quantitative energy and employment studies, applications of input-output economics, computer software studies with emphasis on computer networks, intelligent terminal development, and computer analysis of remote sensing imagery.

The applicant should be capable of innovative leadership in an interdisciplinary academic environment and be capable of administering a sizable research unit. The Ph.D. or equivalent is required.

Salary, rank, and tenure are negotiable. Preferred starting date is 21 August 1976. Closing date for applications is 23 April 1976. Send letter and résumé to:

**Professor David Lazarus
Department of Physics
401a Physics Building
University of Illinois
Urbana, Illinois 61801**

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

POSITIONS OPEN

CHAIRPERSON, BIOLOGICAL CHEMISTRY

Wright State University invites applications from, and nominations of, qualified individuals for the combined position of chairperson of biological chemistry in College of Science and Engineering and program director of biological chemistry in the School of Medicine.

Candidates should possess a Ph.D. and/or M.D. degree, have prior teaching experience in undergraduate, medical, and/or graduate programs, and have demonstrated research competence and recognition by peers. Administrative experience is desirable. Preference will be given to candidates with past experience in medical school teaching.

The successful candidate will continue to build and develop biological chemistry at all levels of the University. Rank and salary are negotiable, competitive, and commensurate with experience and the position.

Qualified candidates should send curriculum vitae and names of three individuals capable of judging research, teaching, and administrative abilities. The above should be sent by 1 May 1976 to: **S. N. Kolmen, Ph.D., Chairman, Biological Chemistry Search Committee, Department of Physiology, Wright State University, Dayton, Ohio 45431**.

Wright State University is an Equal Opportunity/Affirmative Action Employer.

BASIC SCIENCES. University of Southern California School of Dentistry seeks a **DEPARTMENTAL CHAIRMAN** to develop department from existing basic science units and to function as coordinator and administrator of departmental activities. Direct inquiries and curriculum vitae documenting administrative, teaching, and research experience to: **Dr. Raymond Melrose, Department of Pathology, School of Dentistry, University of Southern California, Los Angeles, California 90007**. *Equal Opportunity Employer.*

The National Science Foundation is seeking qualified applicants for 2-year appointments to the positions of **DIRECTOR, DIVISION OF EARTH SCIENCES**, salary \$37,800 per annum, and **HEAD, ASTRONOMY RESEARCH SECTION** (\$36,338 to \$37,800). The incumbents of these positions will be expected to exercise scientific leadership in guiding the administration of the Foundation's support of research in his or her area of specialization and to play a major role in developing input from the U.S. scientific community in the planning of future Foundation support of research in these fields.

Applicants must be recognized authorities in the earth sciences or astronomy, have extensive administrative and academic experience, and must have demonstrated national and international leadership in their field of expertise. The positions are excepted from the competitive civil service and will have an initial tenure of 2 years. The applicants selected will be given an excepted appointment under the NSF Act of 1950 as amended. Persons who are in a position to take a 2-year leave of absence from their current scientific or science management responsibilities may find this appointment both challenging and interesting.

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

The Department of Molecular Biology, Roswell Park Memorial Institute, has a **FACULTY POSITION** open in the broad area of nucleic acid biochemistry. The research interests of the department are in the area of mammalian biochemical genetics and regulation in eukaryotes. The research interests of the person chosen should complement those of the present members of the department, see for example, *J. Cell. Physiol.* **85**, 379 (1975). Send curriculum vitae, a statement of research interests, and names of at least three references to **Dr. Kenneth Paigen, Department of Molecular Biology, Roswell Park Memorial Institute, Buffalo, New York 14263**.

Rank and salary are commensurate with the candidate's background and experience. *Roswell Park Memorial Institute is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

BIOSTATISTICIAN, assistant or associate professor, Department of Agronomy and Range Science, University of California, Davis. Ph.D. with training in biostatistics and background or interest in agricultural science are required. Duties will include teaching, consulting, and research in experimental designs and applied statistics. Submit curriculum vitae, transcripts, and list of publications, and request three letters of reference be sent to **W. A. Williams, Department of Agronomy and Range Science, University of California, Davis, California 95616. Telephone: 916-752-2474.** Applications may not be considered if received after 1 May 1976. *Equal Opportunity Employer with an Affirmative Action Program.*

MEDICAL SCHOOL FULL-TIME FACULTY POSITION

The new and rapidly expanding University of Missouri-Kansas City Medical School has an opening for a full-time faculty physician who will be responsible for teaching and patient care. Time and facilities for research are available. Needed is a general internist, or an internist with primary interest in pulmonary disease, gastroenterology, renal disease, or infectious disease. For further information, please contact **Dr. Lee Langley, University of Missouri-Kansas City School of Medicine, 2411 Holmes Street, Kansas City, Missouri 64108.** *An Equal Opportunity Employer.*

KING ABDULAZIZ UNIVERSITY JEDDAH, SAUDI ARABIA

Requires faculty and staff for its College of Engineering, essentially for undergraduate teaching assignments during 1976-77 and onward. The language of the college is English.

FACULTY

Positions available are in the subjects of physics, chemistry, mathematics, computer science, engineering graphics, architectural free-hand drawing, and areas of chemical, civil, electrical, industrial, and mechanical engineering.

Minimum qualification is Ph.D. in the related discipline. Level of appointment will depend on years of teaching and allied experience. Those involved in research will be encouraged to continue but without significant experimentation support.

STAFF

These are technician positions for teaching laboratories listed above and also for general-purpose workshops.

Qualifications expected are standard technical school certificates with extensive experience in any one of the laboratories or workshops and also in the following fields:

- Draftsman**—architectural, structural, mechanical.
- Library**—classification and cataloging.
- Stores**—receipts and issues.
- Administration** of cooperative work-study program.

TERMS

- 1) The pay scales of the University are comparable with those of the United Kingdom and United States.
- 2) Furnished, free accommodation is provided or handsome allowance in lieu is paid.
- 3) There is no income tax.
- 4) Up to four return air travel tickets are issued for use of employee and direct family during the summer vacation which is fully paid.
- 5) All expatriate employees are first employed on 1-year contract, extendable.

MODE OF APPLICATION

Please apply on plain paper specifying the position for which you wish to be considered and enclosing your curriculum vitae with names of two referees, copies of all diplomas and certificates, and a latest passport-size photograph to:

**College of Engineering
King Abdulaziz University
P.O. Box 1540
Jeddah, Saudi Arabia**

by registered air mail on or before 30 April 1976.

Please make your application as complete as possible, otherwise we will have to send you our application blank and enter into correspondence which may delay our decision.

INTERVIEW

Applicants will be interviewed during June and July 1976 as close to towns of residence as may be possible. Travel ticket will be paid to those called for interview.

POSITIONS OPEN

UNIVERSITY OF CALIFORNIA, BERKELEY, SEEKS DIRECTOR OF COMPUTING

Responsibilities include policy formulation and evaluation of campus and off-campus computing services to advise the administration, administer the campus computing budget, provide liaison between segments of the computing community, the administration, and appropriate external agencies. Position may be combined with a small percentage of time in a faculty capacity.

Qualifications: demonstrated managerial experience and ability, capability of performing the functions outlined above, experience and stature in the field of computing.

Salary range: \$27,100 to \$40,700.

Applications should include full professional résumé and names of five references and should be sent to **Professor E. A. Hammel, Chairman, Search Committee, Office of the Provost, Professional Schools and Colleges, University of California, Berkeley, California 94720,** by 15 May 1976.

The University of California is an Equal Opportunity/Affirmative Action Employer. Minority and women candidates are encouraged to apply.

The Multi-County Comprehensive Mental Health Center, located at Tullahoma, Tennessee, will receive applications for the position of **EXECUTIVE DIRECTOR** until 1 July 1976. Suggested qualifications for this position are: strong administrative/managerial background, preferably in the mental health field.

Please forward résumé, salary requirements, and other pertinent documents to **Stuart Lusty, Jr., Multi-County Comprehensive Mental Health Center, 1803 North Jackson Street, Tullahoma, Tennessee 37388.** *An Equal Opportunity Employer.*

EXTENSION APICULTURIST (position No. 7608)—Full-time extension position at the University of California, Davis. Ph.D. or equivalent in entomology required with training in apiculture and pollination. Practical beekeeping experience would be helpful. Provide educational programs in apiculture and pollination to commercial apiculturists, commodity groups, pesticide fieldmen, and farm advisers. Conduct applied research and demonstrations. Applications accepted until 1 May 1976. Send résumé or inquiry to: **Kendall J. Englund, Assistant Director, Personnel, Division of Agricultural Sciences, University of California, 2200 University Avenue, Berkeley, California 94720.** *An Equal Opportunity Employer.*

TWO FACULTY POSITIONS—BIOCHEMISTS: analytical/instrumental abilities helpful. Permanent. **ANALYTICAL/INORGANIC:** temporary. Both positions teaching and research in liberal arts environment. Apply with résumé, reprints, letter stating interests, and letters of reference to: **Dr. Paul D. Schettler, Chairman of Chemistry Department, Juniata College, Huntingdon, Pa. 16652.**

An Equal Opportunity Employer

FACULTY POSITION—MICROBIOLOGY.

The Department of Microbiology at The University of Chicago would welcome inquiries from candidates wishing to join its faculty. We are particularly interested in persons with doctoral and postdoctoral training in either (i) plasmid microbiology including studies of the role of R factors in drug-resistant and infectious diseases or (ii) those aspects of cell biology relevant to the departmental interest including the molecular biology of the eukaryotic gene. Candidates should have a primary interest in research but be prepared to participate in the teaching activities of the department. Interested individuals should send their curriculum vitae, list of publications, and the names of three references to: **Dr. Bernard Strauss, Chairman, Department of Microbiology, University of Chicago, 920 East 58 Street, Chicago, Illinois 60637.** *From the time of its original charter, the principle of The University of Chicago has been to appoint scholars without regard to race, color, religion, sex, or national origin.*

POSITIONS OPEN

ENVIRONMENTAL TOXICOLOGY

Three postdoctoral traineeships available in environmental toxicology for citizens or permanent residents of the United States with backgrounds in bacteriology, food science, soil science, chemistry, pathology, toxicology, or related fields. Salary range is \$10,000 to \$13,200 depending upon prior postdoctoral experience. Over 20 faculty members participating in program. Send résumé, transcripts, and two letters of reference by 1 May 1976 to **Dr. R. D. Hinsdill, Center for Environmental Toxicology, Room 23, Bacteriology Building, University of Wisconsin, 1550 Linden Drive, Madison, Wisconsin 53706.**

An Equal Employment Educational Institution (Title IX/Title VI)

FACULTY POSITION IN ZOOLOGY

The Department of Zoology at DePauw University invites applications from qualified individuals for a faculty position beginning August 1976. Teaching responsibilities will include introductory courses in genetics and zoology and the development of an advanced course in the individual's area of specialty. Ph.D. required; assistant professor rank. Send curriculum vitae, and three references to **Chairman, Department of Zoology, DePauw University, Greencastle, Indiana 46135.**

ACADEMIC POSITION IN FORENSIC CHEMISTRY

Faculty position available September 1976 at the Institute of Chemical Analysis, Applications and Forensic Science—College of Criminal Justice, Northeastern University. Requirements include a Ph.D. degree, forensic laboratory experience, and a record of research accomplishments. Backgrounds in toxicology or criminalistics are preferred. Rank and salary will be determined by qualifications. Please send a résumé, names of three references, and a brief synopsis of future research plans to **Dr. Barry L. Karger, 341 Mugar Building, Northeastern University, Boston, Massachusetts 02115.** *Northeastern University is an Equal Opportunity/Affirmative Action Employer.*

GENETICIST. Postdoctoral experience and/or outstanding research potential required. Undergraduate teaching in genetics and general zoology, graduate teaching in area of research competence. Position available January or July 1977; assistant professor rank. Please send biographical summary, publications, and three letters of reference to **J. C. Lucchesi, Department of Zoology, University of North Carolina, Chapel Hill, N.C. 27514,** by 1 November 1976. *The University of North Carolina is an Affirmative Action/Equal Opportunity Employer.*

GEOPHYSICIST

**Department of Earth Sciences
University of California, Riverside 92502**

Applications are invited for a faculty position as assistant professor of geophysics. A Ph.D. is a prerequisite. The position will be available beginning with the 1976-77 academic year, and it will be 50 percent in the department of Earth Sciences and 50 percent research appointment in the University's Agricultural Experiment Station.

Duties will include research and teaching both undergraduate and graduate classes. A broadly based person is desired who has teaching interests in applied geophysics and research interests in fields such as groundwater, engineering geology, well logging, and so forth.

A complete résumé, including the names of three references, should be sent to:

**Dr. L. H. Cohen, Chairman, Search Committee
Department of Earth Sciences
University of California
Riverside, California 92502**

The University of California is an Equal Opportunity Employer.

A full-time Ph.D. **NEUROCHEMIST** is being sought for the position of assistant research neurologist in the Reed Neurological Research Center, UCLA School of Medicine. Applicant needs demonstrated ability with heavy metal toxicology, radiochemical techniques in brain slices, and chemical fractions, lipid chemistry, and enzymology. Applicants should submit a curriculum vitae and reprints to **Pieter Kark, M.D., Assistant Professor of Neurology, Reed Neurological Research Center, University of California School of Medicine, Los Angeles, California 90024.** *UCLA is an Equal Opportunity/Affirmative Action Employer and is desirous of receiving applications from minority and women candidates as well as from other qualified people.*

POSITIONS OPEN

HEAD OF DEPARTMENT OF BIOCHEMISTRY

Applications are invited from biochemists for position as professor and head of the Department of Biochemistry, University of Rochester, School of Medicine and Dentistry, Rochester, New York. Interested individuals should send copies of their curriculum vitae and bibliography to: **Dr. Paul Horowitz, Chairman, Biochemistry Search Committee, Department of Physiology, University of Rochester Medical Center, 601 Elmwood Avenue, Rochester, N.Y. 14642.**

An Equal Opportunity/Affirmative Action Employer

HUMAN BIOLOGY INSTRUCTOR—M.S. with graduate course work in human anatomy and physiology required; some college teaching experience preferred. Temporary position for 1976-77 academic year; may be extended for an additional year. Send résumé to: **Dean Regina Tauke, Northampton County Area Community College, 3835 Green Pond Road, Bethlehem, Pa. 18017.** *An Equal Opportunity Employer.*

INSTRUCTOR OR ASSISTANT PROFESSOR IN PHYSIOLOGY. Medical school teaching experience for first-year students required. Participation in graduate school program available. Background of mammalian CNS research desirable. Rank and salary commensurate with training and experience. Individuals should promptly send a complete résumé and have four letters of recommendation forwarded to **Dr. Alvin S. Levine, Director, Indiana University School of Medicine, Terre Haute Center for Medical Education at Indiana State University, Terre Haute, Indiana 47809.** *Indiana University is an Equal Opportunity/Affirmative Action Employer.*

INSTRUCTOR OF BIOLOGY

Master's degree in biology required. Direct and coordinate freshman biology lectures and labs. Laboratory coordination experience desired. Send curriculum vitae, transcripts, and three letters of reference to **Gail Doell, Department of Biology, Texas Christian University, Fort Worth, Texas 76129.** Application deadline is 15 April 1976. *Texas Christian University is an Equal Opportunity/Affirmative Action Employer and as required by Title IX and other laws and regulations, does not discriminate on the basis of sex, race, or ethnic origin.*

NEUROPHYSIOLOGIST AND REPRODUCTIVE PHYSIOLOGIST

Two faculty positions available September 1976. Applicants preferably with postdoctoral experience who have demonstrated productive research with some teaching experience are invited to apply. Send curriculum vitae and names and addresses of three references to **Dr. H. Mizukami, Division of Regulatory Biology and Biophysics, Department of Biology, Wayne State University, Detroit, Michigan 48202.**

An Equal Opportunity Employer

The Laboratory of Nuclear Medicine and Radiation Biology and the Department of Radiological Sciences, University of California, Los Angeles, in cooperation are seeking candidates to develop a research program in biomedical engineering in support of nuclear medicine and biology. Applicants should have had appropriate experience in electronics, computer and radiation sensing technology, and their application to computed positron and gamma pomographic devices. Send résumé to **Laboratory Personnel Officer, Laboratory of Nuclear Medicine and Radiation Biology, 900 Veteran Avenue, Los Angeles, California 90024.** *An Equal Opportunity/Affirmative Action Employer.* Résumés received prior to 5 May will be considered.

PLANT ECOLOGIST. Applications are invited for a faculty position at the assistant professor level in plant ecology. The position will involve instruction at the graduate and undergraduate levels. The applicant will be expected to develop a strong research program. Send résumé including research interests, transcripts, and names of three references to:

Dr. R. H. Hamilton
202 Buckhout Laboratory
Department of Biology
The Pennsylvania State University
University Park, Pa. 16802

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

UNIVERSITY OF CAMBRIDGE

The Appointments Committee hopes soon to be in a position to appoint a **UNIVERSITY LECTURER** in the Department of Experimental Psychology and applications are invited for this office.

The initial appointment will be for 3 years from 1 October 1976. The pensionable stipend for a university lecturer is on a scale of £4398 to £6878 a year with initial placing above the minimum where appropriate. There is no grade of senior lecturer. A grant is made toward removal expenses.

Candidates should send 12 copies of their application, together with names of not more than three referees, to **G. R. Anderson, General Board Office, The Old Schools, Cambridge, England CB2 1TT**, from whom further information about the interests and teaching needs of the Department may be obtained, to arrive not later than 12 April 1976.

DEPARTEMENT DE PHYSIQUE POSTES DE PROFESSEURS EN ASTRONOMIE OPTIQUE

Deux postes de professeurs sont maintenant disponibles au Département de physique de l'Université de Montréal. Les candidats devront accepter de participer à la mise au point de l'équipement scientifique d'un nouvel observatoire astronomique dont l'instrument principal sera un télescope d'environ 1.5-mètre d'ouverture. Ils contribueront aussi aux programmes de recherche et d'enseignement du Département.

L'engagement pourra se faire dès l'été 1976. Le rang académique (adjoint, agrégé ou titulaire) et le traitement sont en raison des qualifications et de l'expérience.

Les personnes intéressées sont priées de faire parvenir leur curriculum vitae, les noms de deux répondants, et toute autre documentation, à l'adresse suivante:

Le Directeur
Département de physique
Université de Montréal
C.P. 6128
Montréal, Québec, Canada

PLANT ANATOMIST-MORPHOLOGIST MICHIGAN STATE UNIVERSITY

The Department of Botany and Plant Pathology, Michigan State University, invites applications from outstanding candidates with training in plant anatomy and morphology. Appointment at the level of **assistant professor** will begin in September 1976. The position involves teaching undergraduate plant morphology, teaching anatomy for advanced undergraduates and graduates, and developing a strong research program in plant anatomy-morphology or related area. In filling the position the Department will place very high priority on evidence of teaching competence and dedication. A person with appropriate interest and experience could also have responsibility for the greenhouses used to teach botany. Applicants should submit a curriculum vitae, bibliography, statement of teaching and research experience and objectives, and have three letters of recommendation sent to: **Dr. John H. Beaman, Department of Botany and Plant Pathology, Michigan State University, East Lansing, Michigan 48824.** Closing date for receipt of applications is 15 April 1976. *Michigan State University is an Affirmative Action/Equal Opportunity Employer.*

POSITION AVAILABLE

The Department of Entomology, Purdue University, has an academic staff position available with primary responsibilities for teaching entomology at the undergraduate level. Training must include a strong background in entomology and a broad base in related areas of science. The individual should have an overriding interest in the education of career entomologists with a commitment to an undergraduate teaching program. In addition to the teaching function the appointee will have opportunity to conduct research and supervise graduate students.

Salary is to be commensurate with training and experience. Send detailed résumé including transcripts and three letters of recommendation to:

Eldon E. Ortman
Department of Entomology
Purdue University
West Lafayette, Indiana 47907

Applications will be received until 5 April 1976.

An Equal Opportunity Employer; Purdue University is an Equal Access/Equal Opportunity Employer.

POSITIONS OPEN

The Harvard-MIT Program in Health Sciences and Technology is seeking to appoint one or more individuals well qualified to teach and to do research in physically oriented **PHYSIOLOGY**. The teaching responsibilities involve courses in physiology designed for students who are candidates for the M.D. degree or are candidates for master's and doctoral degrees in biomedical physics and biomedical engineering.

The search committee is seeking creative scholars, actively engaged in research, who would be especially productive in their interactions with life scientists and with physical scientists and engineers. These physiologists will be housed in laboratories at MIT. As faculty members in the Health Sciences and Technology Program, they may also hold joint appointments in appropriate departments of Harvard and/or MIT. The search committee is interested in learning of possible candidates at senior and junior faculty levels.

Applications and nominations of possible candidates should include a curriculum vitae, bibliography, and names of references, and should be sent to **Dr. Irving M. London, Director, Harvard-MIT Program in Health Sciences and Technology, 77 Massachusetts Avenue, Cambridge, Massachusetts 02139.**

Affirmative Action/Equal Opportunity Employer. Minority and women candidates are encouraged to apply.

POPULATION BIOLOGIST

Assistant or associate professor in biology. Candidate will be expected to teach at the undergraduate level a population genetics-evolution and a plant sciences course alternately, and participate in introductory courses. Position available September 1976, contingent on state appropriations. Candidate must be able to develop and maintain an active research program. Postdoctoral research and teaching experience desirable. Applicants must submit curriculum vitae, three letters of recommendation, and transcripts to: **Faculty Search Secretary, College of Arts, Sciences and Letters, The University of Michigan-Dearborn, Dearborn, Michigan 48128.** *A non-discriminatory, Affirmative Action Employer.*

POSTDOCTORAL POSITION available immediately for research on piscine erythrocytic necrosis (PEN), a viral infection of marine fish. A background in virology and cell culture is essential. Experience in EM is desirable. \$10,000 per year. Send curriculum vitae and three letters of reference to: **Dr. Bruce L. Nicholson, Department of Microbiology and Migratory Fish Research Institute, Hitchner Hall, University of Maine, Orono, Maine 04473.** *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION immediately available for research on fatty acid metabolism in heart and its regulation. Send résumé to **Dr. H. Schulz, City College of the City University of New York, Department of Chemistry, Convent Avenue at 138th Street, New York, N.Y. 10031.**

POSTDOCTORAL RESEARCH ASSOCIATE: \$11,000 per year, starting 1 June 1976. Individual must have interest in viral pathogenesis and host-virus interaction. Experience in virology tissue culture and biochemistry desirable. Send résumé and letters of recommendation to: **Dr. Roger M. Loria, Microbiology Department, MCV Station, Box 847, Richmond, Va. 23298.**

POSTDOCTORAL POSITIONS

Available for 1 year beginning April to October 1976 for projects on central nervous system control of circulation. Preference for individuals experienced in CNS techniques (stimulation, recording, and so forth) or in analysis of blood flow distribution. Stipend \$12,000 to \$14,000, depending on postdoctoral experience. No citizenship requirement. Send curriculum vitae and references to:

Dr. E. H. Rubinstein or Dr. R. R. Sonnenschein
Department of Physiology
University of California School of Medicine
Center for the Health Sciences
Los Angeles, Calif. 90024

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

POSITIONS OPEN

POSTDOCTORAL POSITION—For molecular biologist or nucleic acid biochemist to study genetic recombination *in vitro*. Development of cell-free assay, biochemical characterization of systems for generalized recombination of bacteriophage. Regular interaction with molecular biology group at NIH. Background in lambda genetics and/or DNA enzymology highly desirable. Position available July 1976 or sooner. Stipend of \$9,000 to \$10,000 for the first year. *University of Maryland Baltimore County is an Affirmative Action/Equal Opportunity Employer.* Direct curriculum vitae and two letters of reference to **Dr. John Hays, Chemistry Department, University of Maryland Baltimore County, 5401 Wilkens Avenue, Catonsville, Maryland 21228.**

PROFESSOR OR ASSOCIATE PROFESSOR IN ZOOLOGY AND CURATOR IN ENTOMOLOGY HARVARD UNIVERSITY

Applicants are invited for the joint position of professor or associate professor in zoology and curator in entomology in the Department of Biology and Museum of Comparative Zoology.

Incumbents to this position are expected to teach in the broad area of systematic studies and assume responsibilities for an appropriate part of the Museum's entomological collections.

Earliest starting date: 1 July 1976. *Harvard University is an Equal Opportunity Employer.*

Applications and inquiries should be sent to the Director, Museum of Comparative Zoology, Harvard University, 26 Oxford Street, Cambridge, Mass. 02138.

POSITIONS OPEN

POSTDOCTORAL POSITION: Recent Ph.D. in biochemistry or molecular biology to study basic mechanisms of insulin action, particularly fat cell protein modifications. Experience in enzymology and protein purifications necessary. Salary \$10,000 to \$13,000. Available 1 April 1976. Send curriculum vitae including names of three references to: **Dr. William B. Benjamin, Diabetes Laboratory, Department of Physiology and Biophysics, State University of New York at Stony Brook, Health Sciences Center, Stony Brook, New York 11794. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL RESEARCH ASSOCIATE position available summer 1976 for recent Ph.D. with experience in developmental biology and biochemistry. Opportunity for training in mouse developmental genetics. Send curriculum vitae and names of three referees to **Dr. Salome G. Waelsch, Department of Genetics, Albert Einstein College of Medicine, Bronx, N.Y. 10461. An Equal Opportunity/Affirmative Action Employer.**

PSYCHIATRISTS/EDUCATORS sought for directing medical school and residency program activities within community-based New York State Buffalo Psychiatric Center. Positions would involve academic appointments (up to associate professor level) and administrative appointments (up to clinical director level) with commensurate salaries. Write to: **Dr. S. Mouchly Small, Chairman, Department of Psychiatry, State University of New York at Buffalo, Buffalo, New York 14214. Equal Opportunity Employer.**

POSITIONS OPEN

PROFESSOR AND CHAIRPERSON. Department of Physical Education and Dance including undergraduate through advanced graduate professional preparation programs. Doctorate or equivalent degree with administrative ability and strong teaching, service, and research. Deadline 17 April 1976. Send application letter and curriculum vitae to **Harland E. Samson, School of Education, Box 39, University of Wisconsin-Madison, Wisconsin 53706. An Equal Opportunity/Affirmative Action Employer.**

RESEARCH OFFICER

Applications are invited for the post of research officer with the International Project in the Field of Food Irradiation, located in Karlsruhe, Federal Republic of Germany.

The successful candidate will be required to carry out research into the toxicological methodology of wholesomeness testing as applied to irradiated foods. The precise nature of the research will be determined according to the specific areas of expertise of the candidate selected for appointment who will assist in designing the research program. Of particular interest to the Project are the problems associated with mutagenicity, carcinogenicity, and teratogenicity testing.

QUALIFICATIONS

Ph.D. or equivalent; several years of practical experience in toxicology or a closely related science. Fluency in English is essential and a working knowledge of German and/or French would be an advantage.

CONDITIONS OF SERVICE

The appointment will be as a consultant to the Organisation for Economic Cooperation and Development on a yearly basis with the possibility of renewal. Total salary, depending on qualifications and family situation will be within the range DM 50,000 to 60,000 per annum.

Applications, accompanied by curriculum vitae, to be made in writing by 1 May 1976 to the **Project Director, International Food Irradiation Project, Institut für Strahlentechnologie, Postfach 3640, 7500 Karlsruhe, Federal Republic of Germany.**

DEPARTMENT OF RADIOLOGICAL SCIENCES UNIVERSITY OF CALIFORNIA COLLEGE OF MEDICINE, IRVINE

The Department of Radiological Sciences at the University of California, Irvine, invites applications for a position in nuclear medicine as assistant or associate professor-in-residence. Applicants must be suitably trained and experienced in the use of radionuclides with demonstrated evidence of clinical and academic ability. Duties will include interpretation of the clinical nuclear medicine studies and teaching at graduate and undergraduate levels. Applicants will also be expected to develop their own research protocols.

The successful candidate will be based at the Veterans Administration Hospital, Long Beach, California (Chief of Nuclear Medicine, Dr. Kenneth P. Lyons), and will be appointed to the Faculty of the University of California College of Medicine, Irvine.

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

If you are interested in this position, please write to the address below including a curriculum vitae, an autobiographical letter, and copies of any publications.

Closing date: 15 April 1976.

Eric N. C. Milne, M.B., Ch.B., F.F.R.
Professor and Chairman
Department of Radiological Sciences
University of California, Irvine
College of Medicine
Irvine, California 92717

Exceptional **RESEARCH SCIENTISTS** invited to apply for 5-year appointment beginning in 1976 at Boyce Thompson Institute, a nonprofit research institute. Successful candidate expected to devote full time to research on **nonsymbiotic nitrogen fixation** in agricultural crops. All necessary facilities and equipment are available or obtainable. Liberal operating supply and travel budget, and postdoctoral or senior technician included in staff. Applicant expected to have Ph.D. and preferably postdoctoral experience. Salary open. Apply to **Dr. Alva A. App, Boyce Thompson Institute, 1086 North Broadway, Yonkers, N.Y. 10701. An Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITIONS AVAILABLE IN BASIC MEDICAL SCIENCES

The Illinois College of Podiatric Medicine invites applications for the following faculty positions:

Anatomical Sciences (Gross Anatomy, Lower Extremity Anatomy and Neuroanatomy). Teach gross anatomy and lower extremity anatomy, lecture and laboratory.

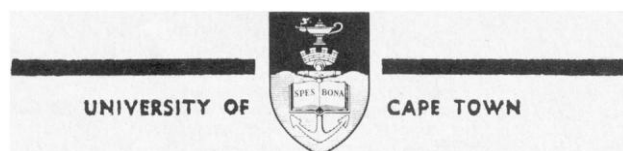
Microscopic Sciences (Histology/Embryology, Pathology and Microbiology). Teach histology/embryology lecture (participate in pathology and/or microbiology lecture). Supervise laboratories.

Physiological Sciences (Physiology, Biochemistry and Pharmacology). Teach physiology lecture (participate in pharmacology and/or biochemistry lecture). Supervise laboratories.

Ph.D. required. Professional medical school experience and chairperson qualifications desired.

Rank and salary dependent upon credentials and experience. Positions available July 1, 1976. Submit vitae and credentials to:

Willis H. Riesen, Ph.D.
Vice President for Academic Affairs
Illinois College of Podiatric Medicine
1001 North Dearborn Street
Chicago, Illinois 60610



SENIOR LECTURER IN GEOPHYSICAL FLUID DYNAMICS OR DYNAMICAL OCEANOGRAPHY

Applications are invited for the above post in the Department of Oceanography. Appointment, according to qualifications and experience will be made on the salary scale R8,460 × 360 to 9,900 × 450 to R11,250 per annum.

The successful candidate should be trained in a branch of geophysical fluid dynamics, preferably oceanography or meteorology and have the experience to lecture in dynamical oceanography as well as supervising post-graduate research projects to doctoral level.

Applicants should submit a curriculum vitae, stating present salary, teaching and research experience and interests, publications, when available if appointed, and the names and addresses of three referees.

Memoranda concerning the position and general conditions of service should be obtained from **The Registrar, Room 1, University of Cape Town, Private Bag, Rondebosch, 7700, South Africa**, by whom applications must be received not later than 31 May 1976.

Appointment will be subject to a satisfactory medical examination. The University reserves the right to appoint a person other than one of the applicants or to make no appointment.

POSITIONS OPEN

RESEARCH PHYSICIST, University of New Hampshire, Durham. A position is available for an experienced experimental physicist to work in the field of gamma-ray astronomy (50 kev to 100 Mev). The successful applicant will join a group conducting investigations of solar and cosmic gamma rays from balloon or satellite platforms. A minimum of 3 to 4 years post-Ph.D. experience using balloons or satellites required, and should be specifically experienced in the use of scintillation spectrometers and/or cooled Ge(Li) spectrometers, basic digital electronics, and data analysis; experience in nuclear physics using accelerators or in nuclear gamma-ray spectroscopy is also desirable. The applicant should have a significant record of personal achievements in research as evidenced by publications in appropriate journals. Salary commensurate with qualifications and experience. Application deadline: 12 April 1976. Send résumé to: **Professor E. L. Chupp, Department of Physics, University of New Hampshire, Durham, N.H. 03824.** An Equal Opportunity/Affirmative Action Employer.

SENIOR VISITING PROFESSOR

The University of Michigan-Dearborn invites applicants for a visiting professorship from a senior scholar in the natural sciences.

The University of Michigan-Dearborn is a rapidly growing urban university in the metropolitan Detroit area and has available the resources of The University of Michigan-Ann Arbor.

The Natural Sciences Department presently consists of 23 faculty members and offers bachelor degree programs in biochemistry, biophysical sciences, chemistry, environmental sciences, experimental biology, and physics.

The successful applicant will be expected to teach courses in his/her specialty and to actively participate in the educational and research activities of the department.

Send letters of inquiry and curriculum vitae to **M. J. Schneider, Chairman, Department of Natural Sciences, The University of Michigan-Dearborn, 4901 Evergreen Road, Dearborn, Michigan 48128** (or call **M. J. Schneider** at 313-271-2300). A non-discriminatory, Affirmative Action Employer.

POSITIONS OPEN

RESEARCH ASSOCIATE POSITION

Available immediately. Recent Ph.D. (or Ph.D. pending) with training and/or experience in protein purification and/or enzyme kinetics for research on the regulation of collagen synthesis in vivo and in tissue culture systems. Applicants with some background in connective tissue research preferred. **Dr. George C. Fuller, Department of Pharmacology, University of Rhode Island, Kingston, R.I. 02881.** An Equal Opportunity/Affirmative Action Employer. Women and minorities are urged to apply.

RESEARCH BIOCHEMIST: A position will become available 1 July 1976 for a biochemist expert in enzymology of DNA synthesis to collaborate in a research program of leukemia cell metabolism and metabolic inhibitors. Supervision of small research group; new laboratory facilities. Joint appointment in a basic science department possible. Ph.D.'s with two or more years of relevant postdoctoral work are asked to send curriculum vitae, list of publications, and names of three references to **Dr. John Laszlo, Department of Medicine, Duke Medical Center, Durham, N.C. 27710.** Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF COLORADO

Two teaching positions: assistant professor, September 1976. Requirements: terminal degree, résumé, and three letters of reference. Teach courses and carry out research in undergraduate curriculum which focuses on environmental problem-solving and design as a scientifically directed discipline.

One position in the area of physical, applied, or natural science; another appointment will be a social scientist from areas like anthropology, economics, or environmental law. Send three letters of reference and résumé to:

**Dr. Spenser W. Havlick
College of Environmental Design
University of Colorado
Boulder, Colorado 80302
Telephone: 303-492-7711**

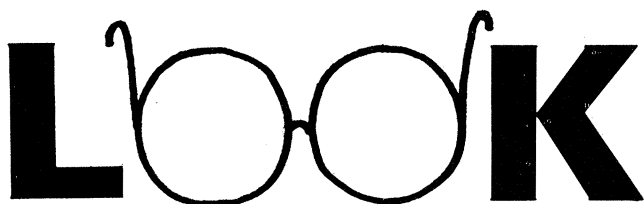
Affirmative Action/Equal Opportunity Employer

POSITIONS OPEN

PULMONARY PHYSIOLOGY RESEARCH/TRAINING

Research and graduate teaching position available in field of mammalian pulmonary physiology as adjunct professorship of appropriate rank in the University of California, Irvine. Collaborative research conducting physiologic studies in animals exposed to air-borne materials of environmental/occupational interest. Requires Ph.D. in physiology or related field and 2 years of postdoctoral research, preferably with pulmonary measurements in laboratory animals. Preference given applicants experienced in inhalation toxicology and published independent work. Research site at Toxic Hazards Research Unit, Wright-Patterson Air Force Base, Dayton, Ohio; opportunity to participate in training of graduate students of University of California, Irvine, and other campuses. Closing date for applications is 1 June 1976. Applications from all qualified candidates are welcome; minorities and women are encouraged to apply. Submit complete curriculum vitae and names of at least three references to: **Dr. J. D. MacEwen, University of California, Irvine, Toxic Hazards Research Unit, Overlook Branch, P.O. Box 3067, Dayton, Ohio 45431.**

Harvard Medical School's Department of Radiation Therapy invites applications and nominations for the appointment of a **RADIATION THERAPIST** with academic tenure in the Department of Radiation Therapy. The appointee is to serve in the Joint Center for Radiation Therapy. The search committee is seeking an individual who is a creative scholar in the study of the biological principles underlying radiation therapy and is at the same time an accomplished clinical radiation therapist. This individual should be highly qualified to teach fundamental radiation biology to medical students, house officers, and fellows in radiation therapy. Applications and nominations should include a curriculum vitae, bibliography, and names of references and should be sent to **Dr. Irving M. London, Chairman of Search Committee, Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.** Affirmative Action/Equal Opportunity Employer. Minority and women candidates are encouraged to apply.



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STAFF ASSOCIATE, Department of Neurology, College of Physicians and Surgeons, Columbia University, in the laboratory of neurochemistry. The position offers training and the opportunity for individual and collaborative research as a member of the multidisciplinary group whose efforts are directed toward the molecular characterization of acetylcholine receptors. Starting salary is \$12,000. Those interested should send curriculum vitae to:

Lewis P. Rowland, M.D.
Neurological Institute
710 West 168 Street
New York, N.Y. 10032

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SUPERVISOR—ELECTRON MICROSCOPY

Applicant must have formal training and several years of experience in all aspects of electron microscopy. Must be competent in servicing and maintenance of electron microscopes and subsidiary equipment, the interpretation of biological ultrastructure, and all aspects of tissue preparation for scanning and transmission electron microscopy. A knowledge of histopathology would be beneficial.

The successful applicant will be directly responsible for the maintenance of equipment and the supervision of several technicians in a multiuser unit with both service and research components, and is responsible for purchasing of supplies, maintenance of records, and instruction of electron microscope users.

Applicants should write stating educational and occupational qualifications, and salary expectations to: M. Elliot, Personnel Administrator, Health Sciences Centre, McMaster University, Hamilton, Ontario, L8S 4J9, Canada.

VISION SCIENTIST

Pennsylvania College of Optometry is seeking candidates for a teaching position in the Division of Visual Sciences. Applicants should have demonstrated teaching excellence and research in the areas of binocular vision, ocular motility, perception, and/or single-cell electrophysiology. A Ph.D. is required and preference will be given to those candidates with postdoctoral research experience. Salary rank will be commensurate with qualifications. Interested persons should send curriculum vitae and the names of three professional references to John B. Siegfried, Ph.D., Chairman, Faculty Recruitment Committee, Pennsylvania College of Optometry, 1200 West Godfrey Avenue, Philadelphia, Pennsylvania 19141. Deadline for applications is 1 May 1976.

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The Department of Physiological Optics of the School of Optometry, The University of Alabama in Birmingham, is seeking a person with an O.D. and a Ph.D. in an area of **VISION SCIENCE**. Responsibilities will include: teaching courses within the physiological optics curriculum to optometry students and graduate students, individual research, and some administration. Teaching experience within the areas of ocular motility and binocular vision would be an advantage. Rank and salary commensurate with experience. Résumés will be accepted until 1 May 1976.

Interested persons should send their curriculum vitae and the names of three professional references to Dr. Thomas Greenspon, Ph.D., Department of Physiological Optics, School of Optometry/The Medical Center, University Station, University of Alabama in Birmingham, Birmingham, Alabama 35294.

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SUMMER STUDY

ELECTRON MICROSCOPY: Intensive Summer Seminar on "Transmission Electron Microscopy Techniques," 1 to 12 June 1976. Enrollment limited to 14. Preparation of biological specimens for viewing in TEM, including fixation, dehydration, embedding, ultrathin sectioning, use of ultramicrotometer, heavy metal staining. Use of Zeiss EM9S microscope, dark room. Introduction to vacuum evaporation, carbon coating, shadow casting, freeze-etching, replication, rotary metal coating, use of SEM (AMR 1200). Tuition: \$125 for New York State residents, \$250 for non-New York State residents. Contact: Helen Sherman, Instructor, Orange County Community College, Middletown, N.Y. 10940. Telephone: 914-343-1121.

COURSES

The Department of Pathology, Eastern Virginia Medical School, Norfolk, Virginia, will offer a 5-week intensive course 14 June to 20 July in theory and practice of electron microscopy. A certificate will be awarded upon successful completion. For further information please contact: Dr. S. H. Vernick, Eastern Virginia Medical School, Department of Pathology, P.O. Box 1980, Norfolk, Virginia 23507. Telephone: 804-423-8280.

SEMINAR

SEMINAR ON OTOTOXICITY UNIVERSITY OF MICHIGAN 27 TO 28 MAY 1976

An introductory seminar for safety assessment of chemically induced ototoxicity providing information on the structure and function of hearing and balance, definitions and methods, and clinical ototoxicity. Contact:

Elias Souri, V.M.D.
Searle Laboratories, J-3
Skokie, Ill. 60076

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GRADUATE STUDY

The Department of Biological Sciences, in cooperation with the basic science faculty of the University of Maryland at Baltimore, provides graduate education toward the M.S. and Ph.D. in the areas of molecular biology and biochemistry; genetics; and cell, developmental, organismic, and population biology.

ASSISTANTSHIPS are available for qualified applicants. For details write to Dr. R. P. Burchard, Department of Biological Sciences, University of Maryland Baltimore County, Catonsville, Maryland 21228.

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Brugge (Belgium) 27 April to 1 May 1976.

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No limitations to attendance.

Registration deadline: 10 April 1976.

Preliminary program, inquiries, and full details at:

COLLOQUIUM PROTIDES OF THE BIOLOGICAL FLUIDS

Secretariate
Simon Stevin Instituut
Jerusalemstraat 34
B-8000 BRUGGE (Belgium)
Telephone 50/33.47.34, Telex 81379 SSI B

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Forms of application and further particulars may be obtained from the Registrar, to whom completed applications should be submitted by 31 July 1976.

MUSCLE PHYSIOLOGY POSTDOCTORAL FELLOWSHIP

Persons with a doctoral degree interested in a 2-year postdoctoral fellowship to study excitation-contraction coupling and the modulation of contraction in skeletal or cardiac muscle should please send a résumé to:

Dr. Sue K. Donaldson
Department of Physiology and Biophysics SJ-40
University of Washington Medical School
Seattle, Wash. 98195
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TEMPERATURE REGULATION PHYSIOLOGY POSTDOCTORAL FELLOWSHIP

Persons with a doctoral degree interested in a 2-year postdoctoral fellowship to study human vasomotor and sudomotor responses to heat stress should please send a résumé to:

Dr. Georgé Brengelmann
Department of Physiology and Biophysics SJ-40
University of Washington Medical School
Seattle, Wash. 98195
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BONE CIRCULATION PHYSIOLOGY POSTDOCTORAL FELLOWSHIP

Persons with a doctoral degree interested in a 2-year postdoctoral fellowship to study hemodynamics and circulation regulation in hard tissue should please send a résumé to:

Dr. Arthur C. Brown
Department of Physiology and Biophysics SJ-40
University of Washington Medical School
Seattle, Wash. 98195
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UNIVERSITY OF CAPE TOWN POSTDOCTORAL FELLOWSHIPS

The University of Cape Town is offering three postdoctoral fellowships in 1976 each, if awarded to a local applicant, with a value of R8100. The value will be increased to R9000 if a fellowship is awarded to an overseas applicant. The higher value includes the University's contribution toward the cost of one economy-class return air fare. (£1 = R1.75 approximately.)

Intending applicants must be in possession of an approved doctor's degree and they must be willing to remain at the University for a period of 1 year for study and research.

Applications must be made in writing setting out fully the details of the work to be performed, together with a curriculum vitae, a list of research publications, and the names of two referees to whom the University may refer. *The policy of the University is not to discriminate in the appointment of staff or the selection of students on the grounds of sex, religion, race, color, or national origin.* Applications will be considered by the Selection Committee at its meeting on 30 June 1976, and should be sent to **The Registrar, University of Cape Town, Private Bag, Rondebosch, 7700, South Africa.**

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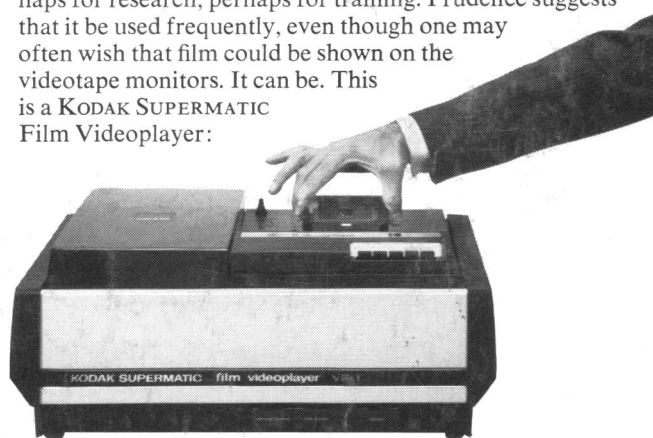
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