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The Self and the Other. The Irreducible Element in Man. Part 1, The 'Crisis of Man.' Papers from a conference, Fribourg, Switzerland, Jan. 1975. Anna-Teresa Tymieniecka, Ed. Reidel, Boston, 1977. xii, 188 pp. \$24. Analecta Husserliana, vol. 6.

Settlement and Subsistence along the Lower Chaco River. The CGP Survey. Charles A. Reher, Ed. University of New Mexico Press, Albuquerque, 1977. xii, 614 pp., illus. \$15.

Snowmelt Runoff Processes in a Subarctic Area. Anthony G. Price. McGill University Department of Geography, Montreal, 1977. xi, 106 pp. Paper, \$8.50. McGill Sub-Arctic Research Paper No. 29. Climatological Research Series No. 10.

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The Spontaneous Generation Controversy from Descartes to Oparin. John Farley. Johns Hopkins University Press, Baltimore, 1977. xiv, 226 pp. \$13.50.

The Steam Engine of Thomas Newcomen. L. T. C. Rolt and J. S. Allen. Moorland, Hartington, England, and Science History Publications (Neale Watson), New York, 1977. 160 pp., illus. \$15; prepaid, \$12.95.

Stochastic Programming. V. V. Kolbin. Translated from the Russian. Reidel, Boston, 1977. xii, 196 pp. \$26. Theory and Decision Library, vol. 14.

Strindberg and Van Gogh. An Attempt at a Pathographic Analysis with Reference to Parallel Cases of Swedenborg and Hölderlin. Karl Jaspers. Translated from the German edition by Oskar Grunow and David Woloshin. University of Arizona Press, Tucson, 1977. xiv, 220 pp. Cloth, \$12.50; paper, \$4.95.

Structured PL/ZERO plus PL/ONE. Michael Kennedy and Martin B. Solomon. Pren-

tice-Hall, Englewood Cliffs, N.J., 1977. xxxvi, 696 pp., illus. Paper, \$10.95.

The Study of the Future. An Introduction to the Art and Science of Understanding and Shaping Tomorrow's World. Edward Cornish. World Future Society, Washington, D.C., 1977. x, 308 pp. Paper, \$9.50.

Stuttering. The Disorder of Many Theories. Gerald Jonas. Farrar, Straus and Giroux, New York, 1977. viii, 68 pp. Cloth, \$7.95; paper, \$2.95.

Surgeon to Washington. Dr. John Cochran (1730-1807). Morris H. Saffron. Columbia University Press, New York, 1977. xiv, 302 pp., illus. \$17.50.

Survey and Opinion Research. Procedures for Processing and Analysis. John A. Sonquist and William C. Dunkelberg. Prentice-Hall, Englewood Cliffs, N.J., 1977. x, 502 pp., illus. \$19.95.

Terzo Incontro sui Problemi Agronomici dell'Irrigazione. Rome, Jan. 1974. Consiglio Nazionale delle Ricerche, Rome, 1977. 412 pp., illus. Paper, \$18. Quaderni de "La Ricerca Scientifica," 99.

A Theory of Education. Joseph D. Novak. Cornell University Press, Ithaca, N.Y., 1977. 296 pp. \$15.

The Theory of Gambling and Statistical Logic. Richard A. Epstein. Academic Press, New York, ed. 2, 1977. xvi, 450 pp., illus. \$19.50.

Topics in Antibiotic Chemistry. Vol. 1, Aminoglycosides and Ansamycins. P. G. Sammes, Ed. Horwood, Chichester, England, and Halsted (Wiley), New York, 1977. iv, 218 pp., illus. \$28.50.

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Trace Analysis of Atmospheric Samples. Kikuo Oikawa. Kodansha, Tokyo, and Halsted (Wiley), New York, 1977. viii, 158 pp., illus. \$22.50.

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Treatise on Basic Philosophy. Vol. 3, Ontology I: The Furniture of the World. Mario Bunge. Reidel, Boston, 1977. xvi, 354 pp., illus. Cloth, \$39.50; paper, \$22.

Treatise on Materials Science and Technology. Herbert Herman, Ed. Vol. 10, Properties of Solid Polymeric Materials. Part B. J. M. Schultz, Ed. Academic Press, New York, 1977. xiv + pp. 453-786, illus. \$34.50.

The Universe. Its Beginning and End. Lloyd Motz. Scribner, New York, 1977. xiv, 344 pp., illus. + plates. Paper, \$4.95. Reprint of the 1975 edition. Scribner Library, SL 726.

The Unsettling of America. Culture and Agriculture. Wendell Berry. Sierra Club Books, San Francisco, 1977. xii, 228 pp. \$9.95.

The Versatile Satellite. Richard W. Porter. Oxford University Press, New York, 1977. viii, 174 pp., illus. \$11.

Whither China. The View from the Kremlin. Morris Rothenberg. University of Miami Center for Advanced International Studies, Washington, D.C., 1977. xxii, 312 pp. Cloth, \$12.95; paper, \$8.95. Monographs in International Affairs.

World Food Prospects and Agricultural Potential. Marilyn Chou, David P. Harmon, Jr., Herman Kahn, and Sylvan H. Wittwer. Praeger, New York, 1977. xvi, 320 pp. \$20. Praeger Special Studies in International Economics and Development.



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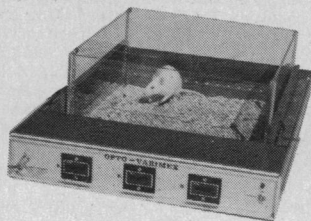
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Biologist/Ecologist. Ph.D. 1975. Seeks teaching, research, or administration with college, industry, government, private organization. Experience in geothermal, toxic metals, radioecology, alpine environments, national parks, wilderness, bioethics, environmental education. Box 39, SCIENCE. X

Fishery Biologist, M.A., 1975, in oceanography. Background: food habits of estuarine fishes, environmental surveys of estuarine areas, knowledge of life histories of Gulf of Mexico fishes. Box 46, SCIENCE. X

Human Geneticist/Biochemist, Ph.D. India, 1966 (biochemistry). Diverse experience in protein purification, electrophoresis, immunochemical methods, genetic polymorphism, and pharmacogenetics. Publications. Teaching experience in biochemistry/human genetics. Holding university position in Europe for over 10 years. Seeking research/academic position in the United States, Australia, India, or Canada. Box 47, SCIENCE. 2/10; 5/12

Ichthyologist/Ecologist. Ph.D. 1977. University teaching experience. Can teach ichthyology, ecology, anatomy, marine biology, and so forth. Research on community, population, and behavioral ecology of marine fishes. Seeking teaching and/or research position. Box 48, SCIENCE. X

Mycologist/Microbiologist. Ph.D. 1975. Three years of postdoctoral experience. Publications. Broad research background. Petroleum microbiology, biodegradation of oil spills, fungal physiology and fermentations, plant pathology. Seeks research and/or teaching position. Box 50, SCIENCE. X

Technical Manager. M.S., Ch.E., P.E. Present position as technical director lacks energy/resource content. Broad national-international management background includes R & D, quality control, manufacturing. Superior problem solving, oral and written communication skills. I have much to offer. Box 51, SCIENCE. X

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**Dr. G. Victor Rossi, Director
Department of Biological Sciences
Philadelphia College of Pharmacy and Science
43 Street and Kingsessing Mall
Philadelphia, Pa. 19104**

The Philadelphia College of Pharmacy and Science is an Equal Opportunity/Affirmative Action Employer. All interested persons are encouraged to apply.

ANATOMY WASHINGTON UNIVERSITY

Applications are invited for a tenure-track faculty position in the Department of Biomedical Science, School of Dental Medicine. The individual must be qualified to teach gross anatomy and have demonstrated a strong research capability. Preference given to someone with interests in craniofacial embryology, biomechanics, or bone and mineral metabolism. Rank and salary are negotiable.

Please forward résumé, the name of three references, and a brief statement of research activities and plans to: **Dr. A. J. Kahn, Search Chairman, Washington University, School of Dental Medicine, 4559 Scott Avenue, St. Louis, Missouri 63110. An Equal Opportunity Employer.**

DEPARTMENT OF ANATOMY is seeking Ph.D. or M.D. with postdoctoral research experience in immunocytochemistry as applied to problems in molecular, developmental, reproductive, or neurobiology. Candidate should have a research program of sufficient depth and extent to be competitive for extramural funding within 1 to 2 years. Primary teaching responsibility in neuroanatomy and histology. Send curriculum vitae, bibliography, three references, and statement of career goals to: **Dr. A. J. Ladman, Chairman, Department of Anatomy, University of New Mexico, Albuquerque, N.M. 87131. An Equal Opportunity/Affirmative Action Employer.**

The **AQUATIC ECOLOGIST** position with the Zoology Department, University of Wisconsin, Madison, advertised in *Science* [198 (No. 4315), 430 (1977)], is expanded to consider candidates at the assistant or associate professor level. Send curriculum vitae, four letters of recommendation, and reprints to: **James F. Kitchell, Laboratory of Limnology, University of Wisconsin, Madison, Wis. 53706.** Materials are due 24 February 1978. *The University of Wisconsin is an Equal Opportunity Employer.*

VISITING ASSISTANT PROFESSOR OF BIOLOGY. Appointment for 1 year but will likely be for 2 years, or possibly 3 years (not a tenure-track position). Ph.D. in plant ecology (aquatic or biometric orientation) or plant physiology; other disciplines in botany will be considered. Teaching responsibilities in area of interest and lower-division core courses. Research expected. Salary negotiable. Position available 20 August 1978. Send complete résumé and three letters of reference to: **Dr. Gerald Esch, Chairman, Department of Biology, Wake Forest University, Winston-Salem, N.C. 27109.** Applications should be received by 25 March 1978.

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POSITIONS OPEN

Applications are invited for the position of **ASSISTANT PROFESSOR** to begin September 1978. Candidates must have a Ph.D. in mammalian physiology and preferably some postdoctoral training. The position involves teaching anatomy and physiology to undergraduates. Candidates should also be prepared to develop graduate and undergraduate courses in physiology for biology majors and must be capable of establishing an independent research program. Send curriculum vitae, including concise description of research and teaching background, current interests, and three letters of reference, by 24 February 1978 to: **Dr. Robert Jones, Chairman, Department of Biological Sciences, Herbert H. Lehman College-City University of New York, Bronx, New York 10468. City University of New York is an Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR. Tenure-track appointment for fall 1978 in chemistry department. Field open (except not physical) with preference for **bio-organic** or **bio-inorganic**. Position involves teaching advanced and freshman courses, establishing a research program, and directing research with undergraduate students. Imminent or recent Ph.D. required. Please send résumé, three letters of reference, academic transcripts, and teaching and research preferences to: **J. A. Campbell, Harvey Mudd College, Claremont, Calif. 91711.** Closing date: 20 February.

UNIVERSITY OF MICHIGAN MEDICAL SCHOOL

ASSISTANT PROFESSOR OF BIOLOGICAL CHEMISTRY, effective 1 September 1978. Ph.D. in organic chemistry with experience and publications in organic reaction mechanisms; at least 2 years of postdoctoral experience in biochemistry; training and publications in drug metabolism and hydroxylation mechanisms. Teaching experience essential. Send credentials to: **Box 42, SCIENCE.** Code 1100FO. *An Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR-BIOLOGY

Primary competence in histology and microtechniques. Teaching responsibilities in cell and general biology. Ph.D. required. Effective 1 September 1978. Send résumé to: **Dr. R. Virkar, Biology Department, KEAN COLLEGE OF NEW JERSEY, Morris Avenue, Union, N.J. 07083.**

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UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN INSTITUTE FOR ENVIRONMENTAL STUDIES

Applications are invited for a tenure-track position as **ASSISTANT PROFESSOR OF ENVIRONMENTAL GENETICS** beginning 21 August 1978. Individual will provide leadership for an interdisciplinary team engaged in expansion of a strong research program in comprehensive environmental-quality management which focuses on environmental mutagens and carcinogens. Applicant will be expected to develop and teach courses in environmental toxicology and especially in environmental mutagenesis and carcinogenesis. A Ph.D. in a discipline related to plant, animal, or microbial genetics is required. Applicant must have training or experience in environmental toxicology and research experience beyond the doctorate with a suitable publication record. In addition, demonstrated commitment to interdisciplinary research, record of successful acquisition of research support, and well-defined research objectives related to mutagenic and carcinogenic environmental contaminants are desired. Applicant should submit a résumé to: **Dr. Ben B. Ewing, Director, Institute for Environmental Studies, University of Illinois at Urbana-Champaign, 408 South Goodwin Avenue, Urbana, Illinois 61801.** Applications should be received by 15 March 1978 to ensure equal consideration. *The University of Illinois is an Affirmative Action/Equal Opportunity Employer.*

ASSISTANT RESEARCH BIOCHEMIST I, Section of Gastroenterology, Department of Internal Medicine, University of California, Davis, Sacramento Medical Center. Requires Ph.D. with a background in medical biochemistry. Must have experience with the methodology relating to and a conceptual understanding of the human porphyrias and experimental porphyrias in animals. *An Equal Opportunity/Affirmative Action Employer.* Send bibliography to: **Neville R. Pimstone, M.D., Chief, Section of Gastroenterology, 4301 "X" Street, Sacramento, Calif. 95817.** Applications received through 30 April 1978.

POSITIONS OPEN

The University of Texas Health Science Center at San Antonio, Department of Obstetrics and Gynecology, invites applications for an **ASSISTANT OR ASSOCIATE PROFESSOR** (rank to depend on experience and qualifications). Applicants must have a doctoral degree with experience in reproductive pharmacology, proven research ability, and teaching experience. We are looking for an individual with expertise and research experience in physiology of reproductive smooth muscle, especially knowledge of techniques of recording mechanical and electrical activity, use of sucrose gap electrodes, and methods of measuring calcium fluxes. Interested persons should send, by 31 March 1978, a letter of application, curriculum vitae, and names of three references who will not be contacted without permission, to:

Michael J. K. Harper, Ph.D.
Department of Obstetrics and Gynecology
The University of Texas Health Science Center
at San Antonio
7703 Floyd Curl Drive
San Antonio, Texas 78284

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ASSISTANT PROFESSOR IN DEPARTMENT OF SURGERY

Ph.D. with several years of postdoctoral experience required for director of research laboratories concerned with studying various aspects of spinal cord trauma. Appointee should be familiar with electron microscopic, electrophysiological, and metabolic techniques with background in neuroanatomy and neurophysiology. Experience with radioisotope tracing methods desirable. Duties include administration of several laboratories and participation in spinal cord trauma research. Salary commensurate with experience.

Please send curriculum vitae to:

Dr. William F. Collins, Chief
Section of Neurosurgery
Yale University School of Medicine
333 Cedar Street
New Haven, Connecticut 06510

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BIOCHEMISTRY FACULTY POSITION. The Biochemistry Department, University of California, Riverside, invites applications for an assistant professor position (tenure-track) effective summer 1978. Although we have a slight preference for a person with a strong background in physical biochemistry who will initiate research into the structure and function of biologically interesting macromolecules and/or biological membranes, applications from outstanding individuals in other areas of biochemistry will receive serious consideration. The successful candidate will participate in the department's instructional program at the undergraduate and graduate level. Candidates should include in their application a statement of their current and future research objectives and a statement of their teaching experience and areas of competence. Send curriculum vitae, complete bibliography, duplicate copies of three representative publications, and the names and addresses of three references to: **Biochemistry Search Committee, Department of Biochemistry, University of California, Riverside, Calif. 92521.** Applications will be accepted until 10 March 1978 or until a suitable candidate is located. *The University of California is an Equal Opportunity/Affirmative Action Employer. Minority and women candidates are encouraged to apply.*

FACULTY POSITION-PLANT BIOCHEMIST. Applications are requested for an appointment as **assistant professor of biochemistry** in the tenure-track at the University of California, Riverside, effective summer 1978. Applicants should have demonstrated ability in research in plant biochemistry and the capability to develop a vigorous research program in this area. This individual will be expected to teach a course in plant biochemistry at the upper division/graduate level and participate in other teaching activities of the department. Candidates should send curriculum vitae, a statement of their current and future research interests, and ask three scientists familiar with their work to send us letters of recommendation. Applications will be accepted until 10 March 1978 or until a suitable candidate is located. Address correspondence to: **Search Committee, Plant Biochemist, Department of Biochemistry, University of California, Riverside, Calif. 92521.** *The University of California is an Equal Opportunity/Affirmative Action Employer. Minority and women candidates are encouraged to apply.*

POSITIONS OPEN

DEPARTMENT OF BIOLOGY CASE WESTERN RESERVE UNIVERSITY

The Department of Biology invites applications for an **ASSISTANT PROFESSORSHIP IN PHYSIOLOGY**. Applicants should have a strong commitment to research and undergraduate and graduate education. Interested persons should submit a curriculum vitae plus a brief statement of current research interests, and have three letters of recommendation sent to: **Dr. Norman B. Rushforth, Chairman, Department of Biology, Case Western Reserve University, Cleveland, Ohio 44106.** *Case Western Reserve University is an Equal Opportunity Employer.*

ASSISTANT PROFESSOR OF POLITICAL ECONOMY. Harvard University. The School of Public Health is seeking a Ph.D. in economics with a background in public regulation and organizational behavior to teach in executive programs for senior practitioners and in a master's program in health policy and management. Responsibilities include both health and environmental policy. Evidence of potential for superior performance in both teaching and research is required. Relevant nonacademic job experience is desirable. Send curriculum vitae to: **Marc Roberts, Director, Executive Programs, Harvard School of Public Health, 677 Huntington Avenue, Boston, Mass. 02115.** *An Affirmative Action/Equal Opportunity Employer.*

ASSOCIATE PROFESSOR OF ENVIRONMENTAL STUDIES

The Institute of Urban and Environmental Studies, Brock University, invites applications for the position of director and teacher in environmental studies commencing 1 July 1978. Qualifications: a Ph.D. in one of the natural sciences or physical geography, 5 years of teaching and administrative experience. Send curriculum vitae and the names of three referees to: **Chairman, Search Committee, Institute of Urban and Environmental Studies, Brock University, St. Catharines, Ontario, Canada L2S 3A1** by 1 March 1978.

BIOLOGY

The Biology Department of Hope College will have an opening in cell physiology-developmental biology in August 1978, expected to be filled at the assistant professor level. Primary teaching duties will be cell physiology, developmental biology, and involvement in the introductory course. Applicants must be committed to undergraduate education and an active research program that will involve undergraduates. Hope College is a private liberal arts college affiliated with the Reformed Church in America. The College has maintained a strong tradition in science involving both teaching and research. Qualified applicants should arrange to have a résumé, transcripts, statement of teaching competencies and interests, an outline of proposed research, and three letters of recommendation forwarded to: **Biology Search Committee, Department of Biology, Hope College, Holland, Michigan 49423.** *An Equal Opportunity Employer.*

CELLULAR IMMUNOLOGIST

Applications are invited for a staff position in cellular immunology at the Oregon Regional Primate Research Center. This institution has a major commitment to reproductive biology. Persons with postdoctoral experience interested in the application of immunologic principles to developmental biology or reproduction will receive greater consideration. Applicants are expected to carry on their own research program and be willing to develop programs related to primate biology. Deadline for application is 15 March 1978. Send curriculum vitae and references to: **Dr. Arthur Malley, Chairman of Search Committee, Oregon Regional Primate Research Center, 505 Northwest 185th Avenue, Beaverton, Oregon 97005.** *An Equal Opportunity Employer.*

San Diego State University announces the establishment of the **E. F. F. COPP CHAIR OF BIOCHEMISTRY**. The search committee seeks an outstanding scientist whose research interests lie in the areas of diabetes and carbohydrate metabolism with special emphasis on hormone receptors, cell membranes, or mechanism of hormone action. Salary is highly competitive and negotiable. Applications should be submitted with curriculum vitae by 1 April 1978 to: **Copp Chair Search Committee, Department of Chemistry, San Diego State University, San Diego, Calif. 92182.** *An Affirmative Action/Equal Opportunity/Title IX Employer.*

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Large pet foods manufacturer is seeking an animal nutritionist to manage its nutritional research program. Requires a Ph.D. in animal nutrition or allied field. Professional experience preferred but not required. Responsibilities include long-term research planning, managing internal and external nutritional research programs, technical direction for marketing programs, liaison with regulatory agencies, and serving as an integral part of the overall management team. Competitive salary and excellent benefits program. Send résumé to:

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ASSISTANT SCIENTIST OR ASSOCIATE SCIENTIST

Applications are invited for an appointment to the Resident Scientific Staff in the Biology Department at the assistant or associate scientist level. The candidate should have a strong background in biology and mathematics and demonstrated capability in marine food chain research, especially higher trophic levels, population dynamics, and theoretical modeling. Teaching experience and interest in graduate student training desirable. Appointee will be expected to teach a graduate course in fisheries ecology and to advise postdoctoral fellows in marine policy and ocean management. Persons selected for similar positions in the institution would typically have a Ph.D. and 1 to 6 years of subsequent experience.

Send detailed résumé, reprints of publications, and names of references to:



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POSITIONS OPEN

Cardiovascular Pharmacologist/ Electrophysiologist

Ph.D. or equivalent in pharmacology or physiology. Academic or industrial experience in electrophysiological aspects of the cardiac conduction system and drug effects on normal and diseased myocardium is required. In addition, experience or interest in regulation of vascular tone in normotensive and hypertensive states would be desirable.

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BIOLOGY POSITION

Southwestern At Memphis, an urban liberal arts college, invites applications for a position starting in September 1978. Applicants should have a general biology background, an interest and commitment to quality undergraduate teaching, and an ability to relate to students. Area of specialties should include: microbiology, cell biology, and cell or plant physiology. EM experience desired but not required. Opportunities for research and for supervising student projects. Ph.D. required; rank and salary negotiable. Deadline for receiving applications is 15 March 1978. Interested individuals should send letter of application, curriculum vitae, transcripts, and three letters of recommendation to:

Professor Julian T. Darlington
Biology Department
Southwestern At Memphis
2000 North Parkway
Memphis, Tennessee 38112

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CHAIRPERSON. Seton Hall University invites applications for the position of chairperson, Department of Chemistry, to be filled in summer or fall 1978. Candidates should combine a record of scholarship with a history of extramural contract or grant support and should have demonstrated leadership in development of educational and research programs. Preference will be given to persons with research interests in analytical, biological, or inorganic chemistry. The department has strong programs at all levels through the doctorate and maintains close ties with the large industrial community in New Jersey. Applications, including a list of at least three references, should be received by 28 February 1978 by: **A. V. Cellano, Chemistry Department, Seton Hall University, South Orange, N.J. 07079.** *An Equal Opportunity/Affirmative Action Employer.*

DEPARTMENT CHAIRMANSHIP

Chairman, Department of Microbiology and Immunology, Hahnemann Medical College and Hospital. Available 1 July 1978. *An Equal Opportunity/Affirmative Action Employer.* Contact:

E. T. Angelakos, M.D., Ph.D.
Chairman, Search Committee
Department of Physiology and Biophysics
Hahnemann Medical College and Hospital
230 North Broad Street
Philadelphia, Pa. 19102

ELECTRON MICROSCOPIST. An opening exists for an assistant professor for research on the ultrastructure of airways and lung parenchyma exposed to toxic environmental agents. Experience with histochemistry of mucosubstances and with immunocytochemistry desired. Send curriculum vitae, publication list, and references to: **Chairman, Department of Environmental Health Sciences, Johns Hopkins School of Hygiene and Public Health, Baltimore, Md. 21205.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

CHAIRPERSON

DEPARTMENT OF MEDICAL MICROBIOLOGY

The University of South Florida College of Medicine is undertaking a search for a professor and chairperson for its Department of Medical Microbiology.

Required qualifications include Ph.D. or M.D. degree with a significant record of achievement in teaching and research, with ability to maintain a strong Ph.D.-level graduate program.

More complete details will be made available upon request.

Complete curriculum vitae and letter of application or nomination should be addressed to: **Donn L. Smith, M.D., Search Committee for Medical Microbiology, Box 9, Medical Center, 12901 North 30 Street, University of South Florida, Tampa, Fla. 33612.**

The University of South Florida is an Equal Opportunity Employer.

DIRECTOR OF RESEARCH for a large mental health-mental retardation organization. Must have Ph.D. or equivalent, minimum of 5 years' experience, multidisciplinary background, population and medical genetics, psychiatry, epidemiology, advanced statistics, and some computer programming. Publications required, both as senior author and in edited journals. Exciting challenge with close university participation. Send résumé to: **Director of Personnel, Box 388, Louisville, Ky. 40201.**

DIRECTOR OF HUMAN PERFORMANCE LABORATORY

M.D. to direct and expand program now under way at Oral Roberts University. Unique opportunity in an institution where all students and faculty participate in physical activity on a regular basis. Experience and qualifications in exercise physiology, cardiology, or pulmonary medicine preferred. Academic appointment in Medical School Physiology Department, with possibility of joint appointment in clinical department at some later date. Position available immediately.

Interested candidates contact: **Dr. E. B. Brown, Jr., Chairman, Department of Physiology, Oral Roberts University, Tulsa, Oklahoma 74171.** *Affirmative Action/Equal Opportunity Employer.*

MUSEUM DIRECTOR. The University of Texas at Austin is seeking applicants for the position of director of the Texas Memorial Museum. The Texas Memorial Museum is a multidisciplinary natural history museum. The successful applicant must be qualified in an appropriate academic department. Salary is commensurate with experience and qualifications of the successful applicant. Applicants should submit a curriculum vitae, names of five references, appropriate statement of interests, and suitable reprints to: **Chairman, Museum Search Committee, Burdine Hall 336, The University of Texas at Austin, Austin, Texas 78712.** Application deadline: 1 April 1978. *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

DEAN, INSTITUTE OF TECHNOLOGY UNIVERSITY OF MINNESOTA

Applications and nominations are invited for the position of dean of the Institute of Technology at the University of Minnesota. The institute is a unique combination of engineering, mathematics, physical science, and architecture. The faculty of approximately 400 is organized into schools and departments which include: Aerospace Engineering and Mechanics, Architecture and Landscape Architecture, Chemical Engineering and Material Science, Chemistry, Civil and Mineral Engineering, Computer Science, Earth Science, Electrical Engineering, Mathematics, Mechanical Engineering, and Physics and Astronomy. The undergraduate and graduate enrollments are 4500 and 1400, respectively.

Candidates should have a doctorate in an appropriate field, significant scholarly accomplishments, a sense of quality and a strong commitment to excellence in teaching, research, and service. They should have demonstrated exceptional talents in leadership and administration, along with the ability to work effectively with groups in and outside an academic institution.

Send applications and nominations to: **Professor A. O. C. Nier, Chairman, Search Committee, School of Physics and Astronomy, University of Minnesota, 116 Church Street, Southeast, Minneapolis, Minn. 55455.** Deadline date for receipt of applications and nominations is 1 May 1978.

The University of Minnesota is an Equal Opportunity Educator and Employer.

UNIVERSITY OF QUEENSLAND AUSTRALIA

DIRECTOR OF HERON ISLAND RESEARCH STATION

The appointee will be responsible for the operation of the station which provides teaching and research facilities for visiting scientists and students. He or she will be expected to engage in a programme of research and should have experience in conducting research in a field of biology, geology, or geography appropriate to a coral reef. A higher degree is desirable.

The appointment will be made to the staff of the University at a level of reader or senior lecturer according to qualifications and experience and will be for a period of 3 years commencing from 1 April 1979. Quote Reference No. 55178.

Salary: senior lecturer: A\$19,971 to A\$23,299 per annum; reader: A\$26,365 per annum.

Other benefits: superannuation, traveling, and removal expenses. A rent-free house is supplied.

Additional information and application forms are obtainable from: **the Staff Officer, University of Queensland, St. Lucia 4067, Queensland, Australia** with whom applications close on 30 April 1978.

DIRECTOR—ILLINOIS AGRICULTURAL EXPERIMENT STATION UNIVERSITY OF ILLINOIS

The director is responsible for administration of the research activities conducted under the auspices of the Illinois Agricultural Experiment Station including the receipt and disbursement of research funds received by the Illinois Agricultural Experiment Station from the U.S. Department of Agriculture. As an associate dean of the College of Agriculture, the director is responsible to the dean of the college for encouraging and supporting the development and maintenance of a strong, dynamic research organization within the college.

QUALIFICATIONS: candidates for this position must have a doctorate or equivalent educational qualifications in a field relevant to agriculture, a record of research accomplishments, and a strong interest in research administration. Research experience in an agricultural experiment station is highly desirable. Candidates should be able to provide leadership in the development of research programs that will increase our understanding of the phenomena and processes involved in the use of natural and human resources.

SALARY: Open.

STARTING DATE: 21 August 1978. To ensure full consideration applications (including résumé) should be submitted before 15 April 1978 to: **Earl R. Swanson, Chairperson, Search Advisory Committee, 305 Mumford Hall, College of Agriculture, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801.** *The University of Illinois is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

CHEMISTRY DEPARTMENT DIRECTOR

Litton Bionetics, Inc., is currently seeking an experienced chemist with management background to design, develop, and direct the Analytic and Metabolic Chemistry Department of the expanding Biologic Safety Evaluation Division. Individuals with Ph.D., 10 years of related technical experience, and 5 years of management background who are searching for a new challenge and career opportunity should submit curriculum vitae to: **A. H. Rainey, Employment Manager, Litton Bionetics, Inc., 5516 Nicholson Lane, Kensington, Md. 20795. An Equal Opportunity Employer, M/F.**

ECOLOGICAL SCIENCES UNIVERSITY PROFESSOR STARTING DATE CORRECTION

The Department of Biological Sciences at Old Dominion University is recruiting for a university professor, an outstanding and nationally recognized scientist. This position will be available in fall 1978, not fall 1979 as previously advertised. Candidate is expected to develop a significant research program to advance the department's developing doctoral ecological sciences program. The university is in close proximity to important marine and estuarine habitats, the Dismal Swamp, and coastal plain communities. Salary is negotiable. Application closing date is 27 February 1978. Contact: **Dr. Harold G. Marshall, Chairman, Department of Biological Sciences, Old Dominion University, Norfolk, Va. 23508. An Affirmative Action/Equal Opportunity Employer.**

ENGINEERS WATER TREATMENT AND INDUSTRIAL WASTE WATER TREATMENT

B.S. or M.S. in chemical, civil, sanitary, or environmental, plus 3 to 5 years of industrial waste water treatment experience. Will manage small and large industrial environmental studies. Salary: \$15,000 to \$21,000, dependent upon experience.

Second position requires B.S. or M.S. with 1 to 3 years of experience in municipal and/or industrial water treatment and operation, corrosion control. Will manage smaller projects and work with senior staff consultants on larger projects. Salary: \$14,000 to \$16,500.

COASTAL ENGINEER

B.S. or M.S. in engineering with hydrology emphasis plus 1 to 3 years of experience. Will have field/project assignment in water resources, coastal engineering and management, environmental assessments. Salary: \$14,000 to \$16,500.

If you would like to be considered for these positions, in complete confidence, send your chronological résumé with salary history to: **Hall Acuff**

**ENVIRONMENTAL SCIENCE
AND ENGINEERING, INC.
P.O. Box 13454
Gainesville, Fla. 32604**

An Equal Opportunity Employer

ENVIRONMENTAL SCIENTISTS. Nonsalaried summer positions in **ecology, geology/geomorphology, and environmental planning.** Advise undergraduate students working on independent research projects; lead interpretive activities; conduct research. Ph.D. and previous research experience in Northeastern mountains preferred. Send curriculum vitae and names of three references to: **Director, The Adirondack Laboratory, P.O. Box 492, Saranac Lake, New York 12983.**

FACULTY POSITION

Loyola Marymount University: we are anticipating two full-time openings at the assistant professor level in the Department of Biology starting 1 September 1978. Areas of specialization sought are: (i) **microbiology** and (ii) **cellular physiology.** Principal duties include teaching and counseling of undergraduate biology majors. Ph.D. required; previous teaching experience desirable. Salary competitive. Submit curriculum vitae, statement of teaching interests, reprints, and names of three references to:

**Dr. Arlene Szabo
Chair of the Search Committee
Department of Biology
Loyola Marymount University
Loyola Boulevard at West 80 Street
Los Angeles, California 90045**

An Equal Opportunity/Affirmative Action Employer

10 FEBRUARY 1978

Physical Oceanographers GS-13/14 (TWO POSITIONS)

GS-13 Salary Range from \$26,022 to \$33,825 per/annum

GS-14 Salary Range from \$30,750 to \$39,975 per/annum

OFFICE OF NAVAL RESEARCH Announcement 77-080-K

The successful applicants will become Scientific Officers in the Physical Oceanography Program of the Office of Naval Research's Ocean Science and Technology Division. The individuals will be responsible to the Program Manager for initiating, planning, organizing, directing and carrying through to completion broad research projects in physical oceanography. This is a contract search program, primarily at academic institutions, and is presently budgeted at \$8,250,000 per year. Although the tasks in the program are unclassified, it is oriented toward the

mission problems of the Navy. Education at the PhD level in physical oceanography or a related physical science, or equivalent professional experience, as demonstrated by published articles, management experience, and an ability to make lucid technical presentations, are required. It is desirable that applicants have considerable seagoing experience.

Interested candidates should submit personal qualifications statement, Standard Form 171, including publications and reference to:

Civilian Personnel Office (Code 123) Naval Ocean Research and Development Activity NSTL Station, Mississippi 39529

These positions are in the Federal Career Service with all Civil Service benefits.

These positions may be located either at NSTL Station, Mississippi (approximately 45 minutes drive east of downtown New Orleans, LA) or at Ar-

lington, Virginia (approximately 10 minutes drive southwest of Washington, DC). Applicants must indicate which of these duty stations is/are acceptable.

These positions will be held open until such time as suitable applications have been obtained.

An Equal Opportunity Employer—M/F

Pharmaceutical Research

We are a diversified (Biosciences, Chemicals, Petrochemicals and Plastics) American subsidiary of Imperial Chemical Industries Ltd. (London). Support is evidenced by \$28 million expansion doubling laboratory capacity by late 1978, to augment parent company's worldwide program that has introduced major drugs. Expanded laboratories and program will be ICI's largest research effort outside the United Kingdom. Program emphasis will be on central nervous system, gastrointestinal, immunologic and renal disorders. We anticipate expansion of manpower and invite confidential inquiries, with particular emphasis on these openings:

Senior Biochemist

BS/MS in life sciences plus relevant industrial experience in drug metabolism. Competence in GC/MS essential, with preference for ability to supervise work of technicians.

Histotechnologist

BS/MS in life sciences (MTASCP preferred) with relevant experience in histotechnological techniques. Will perform necropsies and prepare tissue and surgical specimens for pathological examination. Also prepare staining solutions and reagents, and assist in preparation of cryostat sections. Should have working knowledge of enzyme histochemistry.

Campus setting in suburban Wilmington, 25 miles south of Philadelphia. Compensation and benefits compare favorably with major American pharmaceutical houses. Please write, stating salary expectation.

**Charles T. Brodigan
Employee Relations**



ICI Americas Inc.

Wilmington, Delaware 19897

An Equal Opportunity Employer M/F

POSITIONS OPEN

EXPERIMENTAL APPLIED PHYSICIST. The University of Texas at San Antonio, Applied Physics Program, is seeking tenure-track experimentalist with research interest in the mechanical properties of materials. Candidates with interests in other aspects of materials science or fluids are also encouraged to apply. Faculty are expected to develop strong teaching programs and contribute to our future development of graduate programs in applied physics, engineering, and material sciences. Applications and references should be sent before 1 March to: **Search Committee Chairman, Physics, Division of Earth and Physical Sciences, The University of Texas at San Antonio, San Antonio, Texas 78285.** *The University is an Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITION, ASSISTANT PROFESSOR BIOLOGY Ph.D., AVAILABLE FALL 1978

Teaching and research interests in **developmental biology, endocrinology, or neurobiology.** Responsibilities include some undergraduate courses, development of courses and active research in candidate's area of expertise. Must also be able to teach course in **electron microscopy** and take charge of EM laboratory. Send résumé and references before 15 March to: **Professor M. S. Hertz, Department of Biology, C. W. Post Center, Long Island University, Greenvale, New York 11548.** *An Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITION

Immunologist to do research on the eye. Junior-level faculty position available immediately. Candidates should have demonstrable abilities for generating their own research programs or interacting with ongoing interests in retinal physiology and biochemistry, tumor biochemistry, aqueous humor dynamics, or smooth muscle physiology. Send curriculum vitae and names of three references to:

**Ted W. Reid, Chairman, Search Committee
Department of Ophthalmology and Visual Science
Yale University School of Medicine
New Haven, Connecticut 06510**

An Equal Opportunity/Affirmative Action Employer

A 1-year **FACULTY TEACHING POSITION** will be available beginning August 1978. The position has the possibility of renewal for up to two additional years. The successful applicant will organize and teach general biology laboratories, and possibly an upper level course in one or more of the following areas: biostatistics, botany, entomology, immunology, kinesiology, limnology, mycology, ornamental horticulture, ornithology, parasitology, and soil science. Teaching experience will be considered. A Ph.D. in hand is required. Rank and salary will be commensurate with experience and credentials. Applications, including résumés, college transcripts, and three letters of recommendation, must be sent by 1 April 1978 to: **Dr. David Banks, Department of Biology and Environmental Science, Christopher Newport College, Newport News, Virginia 23606.** *Christopher Newport College is an Affirmative Action/Equal Opportunity Employer.*

FACULTY POSITION IN MICROBIOLOGY to develop a fundamental research program in food safety and preservation, teach an upper division undergraduate course in food microbiology and develop a graduate course in an area of interest. Position is approximately 80 percent research, 20 percent teaching with appointment as assistant professor in nutrition and food science and in microbiology. Candidates may apply by submitting a complete curriculum vitae and by arranging to have copies of official transcripts and at least three letters of reference sent to: **Dr. Darrel E. Goll, Nutrition and Food Science, University of Arizona, Tucson, Arizona 85721.** *The University of Arizona is an Equal Opportunity/Affirmative Action/Title IX/Section 504 Employer.*

PHYSICS AND ASTRONOMY DEPARTMENT HEAD opening. Ph.D.; significant experience and commitment to strong undergraduate teaching; experience or strong potential for creative department administration; interest in seeking external funding; and professional achievement appropriate for appointment to the rank of associate or full professor. Starting date is fall 1978; salary competitive and commensurate with background and experience. Applicants should send curriculum vitae and three references no later than 1 March 1978 to: **Bert C. Bach, Dean, College of Arts and Sciences, The University of Tennessee at Chattanooga, Chattanooga, Tennessee 37401.** *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

GENETICIST

Available September 1978. The Department of Biology of Denison University is seeking qualified applicants to teach courses in genetics, developmental biology, and participate in teaching an introductory course each semester in molecular biology. Candidates must have the Ph.D. and a strong commitment to teaching in a liberal arts college. Send letters of application, complete curriculum vitae, transcripts, and three letters of recommendation before 10 March to: **Dr. Philip Stukus, Chairman, Department of Biology, Denison University, Granville, Ohio 43023.** *Denison University is an Equal Opportunity/Affirmative Action Employer.*

DEPARTMENT OF GEOLOGY AND GEOLOGICAL ENGINEERING

South Dakota School of Mines and Technology. Opening for **DEPARTMENT HEAD**, 1 July 1978. Qualifications: doctorate, associate or full professor rank or equivalent experience; demonstrated teaching, administrative, and research ability. Industrial experience desirable. Closing date: 6 March 1978. Résumés, and names of referees to: **Professor J. A. Redden, Chairman, Search Committee, South Dakota School of Mines and Technology, Rapid City, S.D. 57701.** *An Equal Opportunity/Affirmative Action Employer.*

THE UNIVERSITY OF MICHIGAN MEDICAL SCHOOL

INSTRUCTOR OR ASSISTANT PROFESSOR position available not later than 1 July 1978 in the Department-Unit for Laboratory Animal Medicine. D.V.M.; D.V.M., M.S.; or D.V.M., Ph.D. Board-eligible or -certified in laboratory animal medicine, internal medicine, surgery, or related veterinary specialty, with strong research orientation. Will participate in veterinary clinical care of animals used in research and education; will guide the clinical training and training in research of residents in laboratory animal medicine and will instruct in courses for graduate students such as use and care of animals and animal models for biomedical research. Will conduct research in area(s) of special interest independently and in collaboration with other faculty members. Send résumé to **Box 43, SCIENCE**, Code 200BO. *A nondiscriminatory, Affirmative Action Employer.*

INTERDISCIPLINARY CHILD PSYCHOLOGIST

One faculty position in developmental psychology is available at the Institute of Child Development, University of Minnesota, beginning September 1978. The position is at the level of beginning assistant professor. Candidates should have interdisciplinary interests and competence in the biological basis of behavioral development with an appropriate doctoral degree. Examples of specialization within these approaches include family and group relations, comparative/cross-cultural socialization and cognitive/perceptual development, neuropsychological development, hormones/nutrition and behavior. Teaching responsibilities include introductory courses. Interested persons should send copies of their curriculum vitae and three letters of recommendation to: **Professor Tom Trabasso, Institute of Child Development, University of Minnesota, 51 East River Road, Minneapolis, Minnesota 55455.** Completed applications must be received by 15 March 1978 for adequate consideration. Salaries at the University of Minnesota are competitive. *The University of Minnesota is an Equal Opportunity/Affirmative Action Employer.*

MARINE CHEMIST

The University of Georgia Marine Sciences Program invites applicants for a tenure-track faculty position expected to be available September 1978 in the area of marine chemistry.

Appointment level will be commensurate with the qualifications of the successful candidate. Applicant will be expected to develop a strong research program and to participate in teaching advanced undergraduate and graduate courses in his or her area of expertise. Postdoctoral experience or equivalent is desirable.

Application deadline is 15 March 1978. Please send curriculum vitae, reprints of publications, a brief statement of research interests, and the names of at least three professional references to: **Marine Sciences Program, University of Georgia, Ecology Building, Athens, Ga. 30602.** *An Equal Opportunity/Affirmative Action Institution.*

POSITIONS OPEN

THE UNIVERSITY OF MICHIGAN MEDICAL SCHOOL

The Section of General Surgery and the Department of Surgery is seeking candidates for an academic position, 1 July 1978. Candidates should be qualified for appointment at the **INSTRUCTOR, ASSISTANT PROFESSOR, or ASSOCIATE PROFESSOR** level. Candidates should be Board-certified or -eligible surgeons with special interest, training, and experience in surgical oncology. Training should include laboratory experience and the candidate should be qualified to establish his/her own research laboratory and seek external funding. Send résumé to: **Box 44, SCIENCE**, Code 800BO. *A nondiscriminatory, Affirmative Action Employer.*

The Deep Sea Drilling Project, Scripps Institution of Oceanography, University of California, San Diego, is currently seeking to fill positions for **MARINE SEDIMENTOLOGISTS or GEOPHYSICISTS**, Ph.D. level. Sedimentologists should have strong background in mineralogy and sedimentary petrology. Geophysicists should have working knowledge of marine multichannel seismic, magnetics, gravity, and heat flow systems. These positions exist as project staff scientists who will engage in project-related and independent scientific research. Appointment anticipated in the assistant through associated professional research series; salary commensurate with experience. Please send completed résumé and names of at least three referees to: **Dr. David G. Moore, Deep Sea Drilling Project, A-031, La Jolla, Calif. 92093.** *The University of California is an Equal Opportunity/Affirmative Action Employer.*

MEMBRANE BIOCHEMIST

Postdoctoral research position for an individual with training or interests in membrane biochemistry and membrane receptors. Research on biochemistry of taste and olfaction in a unique interdisciplinary research institute. Send curriculum vitae and names of three references to: **Dr. Robert H. Cagan, Monell Chemical Senses Center, University of Pennsylvania, 3500 Market Street, Philadelphia, Pa. 19104.** *An Equal Opportunity Employer.*

Marquette University School of Dentistry is seeking a **MICROBIOLOGIST** for its Basic Science Faculty. Must have Ph.D. Responsibilities include teaching and research. Send curriculum vitae to:

**Dr. Joseph Abramowitz, Associate Dean
Marquette University School of Dentistry
604 North 16 Street
Milwaukee, Wisconsin 53233**

An Equal Opportunity Employer

MOLECULAR BIOLOGY DIRECTOR

The Department of Biological Sciences at the University of Southern California (USC) invites applications or nominations for the positions of director and/or senior faculty in the autonomous Molecular Biology Section. Candidates must have a reputation of international stature in some area of molecular biology or biochemistry. The section includes 15 full-time faculty with good grant support in a modern research facility. The associated graduate program includes 50 students and there are undergraduate teaching obligations in the biology major. Applicants should submit a complete résumé by 1 March 1978 to: **Dr. Martin D. Kamen, Molecular Biology, Ahmanson Center for Biological Research, University of Southern California, Los Angeles, California 90007.** *USC is an Equal Opportunity/Affirmative Action Employer.*

NEUROPSYCHOLOGY (HUMAN)—ACADEMIC POSITION. Unexpected opening; immediate availability. Evoked potentials, EEG, sleep, skin conductance; applications to mental health. Ongoing projects include studies of hemispheric lateralization, psychopharmacology, acupuncture. Successful candidate expected to contribute to the ongoing research effort as well as to develop own research program. Competence in human neuropsychology and psychophysiology essential. Skills in electronics and mini-computer programming desirable. Salary dependent upon qualifications. Send curriculum vitae to: **Dr. Warren A. Thompson, Missouri Institute of Psychiatry, a Division of the Department of Psychiatry, School of Medicine, University of Missouri-Columbia, 5400 Arsenal Street, St. Louis, Missouri 63139.**

Equal Opportunity Employer

POSITIONS OPEN

UNIVERSITY OF JORDAN

The Faculty of Medicine invites applicants for the post of full-time **OPHTHALMIC OPTICIAN** or **REFRACTIONIST** for the Ophthalmic Section of Jordan University Hospital.

Applicants should hold a diploma in refraction and should have a minimum of 3 years of experience.

Applications, with full curriculum vitae and the names of two referees who would support the application, should be sent to: the **Professor of Surgery, University Hospital, Amman, Jordan**.

PHARMACOLOGIST—ASSISTANT OR ASSOCIATE PROFESSOR. Position available immediately. Ph.D. in pharmacology required. D.V.M. or M.D. degree preferred. Applicant will be expected to develop a research program in pharmacology and will have teaching assignments in pharmacology courses for veterinary technicology and veterinary medical students. Applicants should submit curriculum vitae to: **Dr. G. D. Goetsch, Department of Veterinary Physiology and Pharmacology, School of Veterinary Medicine, Purdue University, West Lafayette, Ind. 47907.**

An Equal Access/Equal Opportunity Employer

POSTDOCTORAL FELLOW—For research on influenza viruses (genetics, RNA's, and proteins). Preference will be given to applicants with experience in the field of RNA's. Please send curriculum vitae and references to: **Dr. Peter Palese, Microbiology Department, THE MOUNT SINAI SCHOOL OF MEDICINE, 100 Street and Fifth Avenue, New York, N.Y. 10029.** *An Equal Opportunity Employer.*

POSTDOCTORAL POSITIONS—IMMUNOLOGY (i) **Immunoparasitologist** and (ii) **organic or biochemist** with experience in protein chemistry. Available immediately. Send curriculum vitae and names of referees to: **Dr. A. Schon, Director, Medical Research Council Group for Allergy Research, Immunology Department, University of Manitoba, Winnipeg, Manitoba, Canada R3E 0W3.**

POSITIONS OPEN

UNIVERSITY OF SOUTHERN CALIFORNIA (USC) ORE PETROLOGIST

The Department of Geological Sciences invites applications for a possible opening in ore petrology beginning September 1978, at the assistant professor level. Applicant must hold Ph.D. and be field oriented with expertise in metamorphic or igneous petrology and high-temperature geochemistry. Additional background in one or more of the following areas is desirable, but not required: structural geology, geothermal and other energy resources, applied geophysics, and environmental or engineering geology. Appointee will be expected to develop a teaching and research program in economic geology and develop cooperative relationships with the mineral industry. Please send résumés, including three references, to: **Dr. Gregory A. Davis, Chairman, Department of Geological Sciences, University of Southern California, Los Angeles, California 90007.** *USC is an Affirmative Action/Equal Opportunity Employer.*

PHYSICIST IN CHARGE HIGH VOLTAGE MICROSCOPE FACILITY

Position available 1 April 1978 at High Voltage Electron Microscope Facility (National Institutes of Health Biotechnology Resource), University of Wisconsin, Madison. Responsibilities: (i) supervision of operation, scheduling, and maintenance of High Voltage Electron Microscope Facility serving biological research groups on a national basis, (ii) undertaking independent research related to applications of high voltage microscopy. Facilities exist for the microscopy of hydrated specimens and frozen specimens. Image processing equipment, including a scanning densitometer and minicomputer, exist for 3-D image reconstruction studies. Requirements: Ph.D. in physics or related area, experience in electron microscope development and application, and practical electronics experience. Salary: open. Possibility exists for academic appointment. Send curriculum vitae and names of three references to: **Professor Hans Ris, Department of Zoology, 1117 West Johnson Street, University of Wisconsin, Madison, Wisconsin 53706.**

An Equal Employment Educational Institution

POSITIONS OPEN

REED COLLEGE PSYCHOLOGY DEPARTMENT

The department of psychology has a 1-year temporary opening in **physiological psychology** at the assistant professor level beginning September 1978. We seek a recent Ph.D. in psychology or biopsychology with a strong commitment to undergraduate teaching and an active research program. Teaching responsibilities include physiological psychology (with laboratory), introductory psychology in staff course, and introductory statistics. Applicants should send current curriculum vitae, sample publications, and three letters of recommendation to: **Professor Richard Katzev, Chairman, Psychology Department, Reed College, Portland, Oregon 97202.** *Reed College is an Equal Opportunity Employer.*

PHYSIOLOGISTS with a Ph.D. and/or M.D. and postdoctoral training are invited to apply for a faculty position in physiology, in the Faculty of Medicine, Memorial University of Newfoundland. The position is envisaged to be at the associate level, although the rank is open to negotiation. The duties include contributing to the teaching of physiology in an integrated medical curriculum as well as some physiology teaching to nursing and science students. The successful candidate should preferably have experience in teaching human and whole animal oriented mammalian physiology and would be expected to have or develop a research program. A strong background in cardiovascular/respiratory and/or renal/body fluids physiology would fit in well with our program. The Faculty of Medicine has recently expanded its facilities into a new Health Science Center which is a part of the Memorial University Campus and will shortly also include the St. John's General Hospital. The salary will be commensurate with experience and qualifications and the position is available immediately or by negotiation. Applications, including curriculum vitae and the names and addresses of three references, should be sent to: **Dr. C. R. Triggie, Chairman, Physiology Search Committee, Faculty of Medicine, Memorial University, St. John's, Newfoundland, Canada A1C 5S7.** The application deadline is 15 April 1978.

ILRAD

International Laboratory for Research on Animal Diseases invites applications from qualified candidates for the following position:

IMMUNOCHEMIST

ILRAD is recruiting for a core or visiting scientist position in immunochemistry for immediate employment. ILRAD is a modern research institution located in Nairobi, Kenya, and has an international staff. The laboratory is conducting research on trypanosomiasis and theileriosis, two important diseases that constrain livestock production for food and other uses in many developing countries. Research at ILRAD offers the opportunity to work on meaningful problems with international implications, to conduct investigations at headquarters in Nairobi or elsewhere, and to relate to a group of scientists carrying out multidisciplinary activities of broad scope.

QUALIFICATIONS: Minimum of 3 years of post-doctoral (or equivalent) experience. Solid experience with current techniques in molecular immunology (protein purification, detection and characterization of cell surface antigens, radioimmunoassay, antigen-antibody interactions, lectin technology, gel technology, antibody function, and so forth). The candidate should also be familiar with and conversant in several aspects of cellular immunology. Scientists interested in being considered for this post should provide a current curriculum vitae (including a synopsis of training, research experience, and publications). Three referees who can be contacted in support of their candidacy should also be included.

TERMS: Salary negotiable. Others including housing allowance, commutation allowance, pension scheme, medical aid scheme, and so forth.

This information should be sent to:

**The Director
ILRAD
P.O. Box 30709
Nairobi,
Kenya**

to reach him not later than 28 February 1978.

Thermonuclear Fusion Research Group Leader

Occidental Research, the corporate research arm of Occidental Petroleum, is building a long range research program on inertial confinement fusion. We would like to attract an outstanding Physicist or Electrical Engineer to build and manage this research group. At least five years of experience in supervision of an industrial laser or plasma physics research group, with extensive patents and publications, is desired.

This opportunity includes an excellent salary, generous benefits and a prime Southern California location. For confidential consideration, please send a resume to:



OCCIDENTAL RESEARCH CORPORATION
A SUBSIDIARY OF OCCIDENTAL PETROLEUM CORPORATION

P. O. Box 310, Dept. 1-M La Verne, CA 91750

An Equal Opportunity Employer M/F.

POSITIONS OPEN

PLANT PATHOLOGIST AND PLANT PHYSIOLOGIST

The Department of Botany, University of Maryland, College Park, is now accepting applications for a plant pathologist and a plant physiologist at the assistant professor level. These are teaching-research positions; responsibilities include sharing in the general botany teaching program. The plant pathologist will teach courses in diseases of ornamentals and turf and carry out a research program balanced between fundamental and applied problems in these areas. The plant physiologist will teach courses in introductory plant physiology and mineral nutrition, and to maintain a research program in mineral nutrition. Applicants should send curriculum vitae, reprints, three letters of recommendation, and a brief statement of research plans to: **Dr. George A. Bean, Chairman of Search Committee, Department of Botany, University of Maryland, College Park, Maryland 20742.** Deadline for receipt of completed applications is 15 April 1978.

Equal Opportunity/Affirmative Action Employer

Utah State University, Department of Biology, is seeking a **PLANT TAXONOMIST** at the assistant professor level and associate curator of the Intermountain Herbarium. Applicants must have a Ph.D. with training in both classical and modern taxonomy and supporting fields. Send curriculum vitae, transcripts, and three letters of recommendation by 1 March 1978 to:

Arthur H. Holmgren
Department of Biology
UMC 45, Utah State University
Logan, Utah 84322

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

POSTDOCTORAL ASSOCIATE position in the field of radio astronomy, radar astronomy, or ionospheric physics is available at the National Astronomy and Ionosphere Center's Arecibo Observatory located near Arecibo, Puerto Rico. Appointments will be made for a 1- or 2-year period, beginning mid-1978. The associate will carry out research utilizing all the facilities of the Arecibo Observatory and will be assigned at times as a staff liaison scientist to various visiting observers. Round-trip air transportation between the observatory and the home institution will be provided for associate and immediate family, as well as moving expenses and a dislocation allowance. Salary is \$13,500 per year. Deadline for receipt of applications is 3 April 1978. Send letter of application, curriculum vitae, and two letters of recommendation to:

Dr. F. D. Drake, Director
National Astronomy and Ionosphere Center
Cornell University
Ithaca, New York 14853

The National Astronomy and Ionosphere Center is operated by Cornell University under contract with the National Science Foundation. *Cornell University is an Equal Opportunity Employer.*

POSTDOCTORAL POSITION IN SPACE PHYSICS

The Center for Research in Aeronomy of Utah State University will have a postdoctoral position in experimental space physics open in spring 1978. The position will involve planning experiments for, operating, and analyzing results from a revolutionary computer-controlled HF radar to be used in the study of the ionosphere at auroral and sub-auroral latitudes. A fair amount of travel will be required. Applicants should have a background in ionospheric or magnetospheric physics and be familiar with digital and RF systems. The initial term of the appointment will be for a period of 1 year with the possibility of subsequent renewals. Résumés and a list of persons who may be contacted for references should be sent to: **Dr. G. S. Stiles, Center for Research in Aeronomy, UMC 41, Utah State University, Logan, Utah 84322.** Closing date for applications is 1 May 1978. *Utah State University is an Affirmative Action/Equal Opportunity Employer.*

A **POSTDOCTORAL POSITION** starting 1 July 1978, or thereafter, is open for a developmental biologist or biochemist for work on chromosomal proteins. Please send curriculum vitae, including references, to: **Irvin Isenberg, Department of Biochemistry and Biophysics, Oregon State University, Corvallis, Oregon 97331.** *An Affirmative Action/Equal Opportunity Employer, in compliance with Section 504 of the Rehabilitation Act of 1973.*

POSITIONS OPEN

POSTDOCTORAL POSITIONS

- 1) **Bioorganic:** synthesis of potent, specific inhibitors of key regulatory enzymes [cf. *J. Biol. Chem.* **251**, 7530 (1976)] plus kinetic/mechanistic studies with enzymes in vitro and collaborative cancer chemotherapeutic studies at NIH.
- 2) **Thermophilic glutamine synthetases** [cf. *Biochem.* **13**, 3207, 3215 (1974), **15**, 1749 (1976)] involving chemical, kinetic, and spectroscopic probes of thermostabilization mechanisms. Salaries: \$10,000 to \$12,000 per year based on qualifications. Send résumé and names of three references to:

Dr. Frederick C. Wedler
Chemistry Department, Cogswell Laboratory
Rensselaer Polytechnic Institute
Troy, New York 12181

POSTDOCTORAL POSITION: open immediately for immunochemical, immunogenetic and/or functional studies of the secretory IgA system. Send curriculum vitae, description of past and present research interests, and names of two references to: **Doctors K. L. Knight and W. C. Hanley, Department of Microbiology, University of Illinois Medical Center, Chicago, Ill. 60680.**

POSTDOCTORAL POSITIONS

A major midwestern research center has several postdoctoral opportunities available in our newly established Department of Cellular and Molecular Biology, Division of Biochemistry. These postdoctoral appointments involve protein and enzyme reaction, studied by physical techniques and rapid reaction kinetics. Specific areas are tubulin, blood clotting, and dehydrogenases.

We offer an excellent stipend salary and comprehensive benefits. Interested candidates should send their curriculum vitae to:

Dr. Joseph Shore
Department of Cellular and Molecular Biology
HENRY FORD HOSPITAL
2799 West Grand Boulevard
Detroit, Michigan 48202

Baylor College of Medicine seeks a recent Ph.D. in biochemistry for a **POSTDOCTORAL RESEARCH APPOINTMENT.** Should have experience in enzyme purification and characterization. Starting salary from \$10,000 per year depending upon experience. Available immediately. Reply with curriculum vitae to: **D. Y. Graham, Department of Medicine, Baylor College of Medicine, Houston, Texas 77030.**

An Equal Opportunity Employer

POSTDOCTORAL RESEARCH ASSOCIATE POSITION(S) available in summer/fall 1978 for research in DNA tumor virus-cell interaction involving ts cell mutants. Recent doctorate with experience in (DNA) biochemistry, virology, or molecular biology preferred. Send curriculum vitae and names of three references to:

Dr. Harvey Ozer
Box 1221
Hunter College, City University of New York
695 Park Avenue
New York, N.Y. 10021

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PREDOCTORAL POSITIONS in oncology, immunology, microbiology, virology, and molecular and cellular biology. Available: July to September 1978. Prerequisites: United States citizenship, B-plus average, high GRE scores. Inquiries to: **Dr. Sheldon Dray, Head, Department of Microbiology, University of Illinois Medical Center, P.O. Box 6998, Chicago, Illinois 60680.**

Arnold Schwartz and colleagues, including Dean Franklin, have NIH **PREDOCTORAL AND POSTDOCTORAL RESEARCH TRAINING POSITIONS** available in a newly established department. The discipline, cardiovascular biology, includes: contractile proteins, electrophysiology, cell membrane biochemistry, mitochondria, sarcoplasmic reticulum, protein metabolism, hemodynamics, intact conscious animal studies, and so forth. Positions are available in 1978. Interviewing at FASEB. Contact: **Doctors E. T. Wallick (predoctoral) or C. L. Johnson (postdoctoral), Department of Pharmacology and Cell Biophysics, University of Cincinnati, College of Medicine, 231 Bethesda Avenue, Cincinnati, Ohio 45250.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

STAFF ASSOCIATE in Department of Neurology. Require M.A. degree in biochemistry with several years experience in membrane protein chemistry and immunochemistry. Also publications demonstrating ability for independent work. *Equal Opportunity/Affirmative Action Employer.* Those interested should send curriculum vitae to:

Eli S. Goldensohn, M.D.
Coordinator, COAP
Neurological Institute
710 West 168 Street
New York, New York 10032

STAFF SCIENTIST. To develop and carry out research on energy metabolism in *Escherichia coli* membranes. Extensive knowledge of literature and familiarity with relevant techniques (membrane protein fractionation, membrane assembly, enzyme rapid kinetics and immunology), 5 years of postdoctoral experience with at least 2 years in relevant research are needed. U.S. citizenship or permanent residence requirement. Send curriculum vitae to: **Department of Cell Physiology, Boston Biomedical Research Institute, 20 Stanfield Street, Boston, Mass. 02114.** Salary: \$17,000. *Equal Opportunity/Affirmative Action Employer.*

TISSUE CULTURE LABORATORY SUPERVISOR

Position available immediately for supervisor-technician experienced in human tumor cell culture. B.S. or M.S. degree with working experience required. Salary commensurate with experience. Send résumé and three references to:

Dr. Lynne P. Rutzy
Department of Surgery
University of Texas Medical School
P.O. Box 20708
Houston, Texas 77025
An Equal Opportunity Employer

VERTEBRATE PALEONTOLOGIST

The University of Kansas has a tenure-track joint faculty-curator position for a vertebrate paleontologist. The appointment will be 9 months, half-time in the Division of Systematics and Ecology and 12 months, half-time in the Museum of Natural History, at the levels of assistant professor and assistant curator, respectively. Duties are teaching (undergraduate biology, lower vertebrate paleontology, and anatomy courses), curation (in the paleontological collections), and development of an active graduate research program dealing with fossil amphibians and/or reptiles.

Applicant must have Ph.D. by the time duties are assumed or shortly thereafter and be qualified to curate a collection of fossil lower vertebrates. Applicants should send curriculum vitae, a statement of personal goals, and three letters of reference by 15 March 1978 to:

Dr. Larry D. Martin
Museum of Natural History
University of Kansas
Lawrence, Kansas 66045

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VETERINARY PATHOLOGIST

The Collaborative Radiological Health Laboratory (CRHL) and Department of Pathology, Colorado State University (CSU), seek applications from veterinary pathologists interested in research in an academic environment. The CRHL is a multidisciplinary research group studying long-term effects of low level radiation in beagle dogs. Primary duties involve evaluation of a variety of disease states in a large canine population. An interest in aging and carcinogenesis would be helpful. Three positions are available. Applicants for two senior pathology positions should have a D.V.M. with advanced training in pathology, preferably a Ph.D. and/or ACVP eligibility or certification. A faculty appointment in the Department of Pathology with teaching responsibilities is available. Applicants for a junior pathology position should have a D.V.M. with advanced training in pathology and ACVP eligibility. (Application deadline: 15 March 1978 or until positions are filled. Salaries negotiable. Anticipated starting date: 1 July 1978.) *CSU is an Equal Opportunity/Title IX Employer, Equal Opportunity Office, 314 Student Services Building.* Contact: **Stephen A. Benjamin, Director, CRHL, Department of Pathology, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, Colorado 80523.**

STAFF POSITIONS FOR MARINE POLICY STUDIES

Applications are invited for two staff positions at the rank of Research Associate in the Woods Hole Oceanographic Institution's program on Marine Policy and Ocean Management. Successful applicants will be expected to engage in applied research projects related to man's uses of the ocean. These projects will be both self-initiated and collaborative with post-doctoral fellows and members of the Institution's professional staff. Present research projects within the Program includes ones in aquaculture, marine pollution, coastal zone management, fisheries management, marine technology transfer, nuclear waste disposal, and the utilization of salt marshes.

Applicants should possess the doctoral degree (or equivalent) in a social science, law, engineering or management, and should have had at least 3 years' additional experience in policy-related research. Appointments will be made for an initial term of two years. Salary will be commensurate with experience. Inquiries and requests for application forms should be addressed to:



Dr. R. W. Morse
Associate Director
**WOODS HOLE
OCEANOGRAPHIC
INSTITUTION**

Woods Hole, MA 02543

The application deadline is April 1, 1978

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SENIOR RESEARCH SCIENTIST

The Marshall Division of Miles Laboratories, Inc., is seeking to fill a research position in its Protein and Carbohydrate Research Laboratory.

The candidate must have a Ph.D. degree in the area of chemical or food sciences with postdoctoral or 2-4 years experience and proven performance in the area of food science. This individual is expected to plan, design and carry out research in the area of isolation properties and applications of protein ingredients for foods.

Located in Elkhart, Indiana, a community of 50,000 population, we offer excellent recreational and educational facilities as well as convenient accessibility to the Chicago area. Excellent starting salary commensurate with experience plus superior benefits program. Relocation expenses paid by the company. Please send complete resume including salary requirements in confidence to:

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THE UNIVERSITY OF BRITISH COLUMBIA

Department of Animal Science

Applications are invited for the position of Assistant Professor in the Department of Animal Science, University of British Columbia. Candidates must hold the D.V.M. degree or equivalent, and be eligible for membership in the British Columbia Veterinary Medical Association. Preference will be given to applicants with post-graduate training and a research interest in infertility, immunology or embryonic mortality. Canadian clinical field experience with animals of agricultural importance would be desirable.

The successful candidate will be expected to develop an undergraduate course in animal health for Animal and Poultry Science students, provide veterinary medical care for University livestock and poultry, and co-operate in certain on-going departmental research programs, and would be encouraged to develop his or her own research interests. The appointment will be effective July 1, 1978.

Applications, including *curriculum vitae*, names of three referees, and salary requirements, should be sent to:

Dr. B. D. Owen, Chairman,
Department of Animal Science,
Faculty of Agricultural Sciences,
The University of British Columbia,
2075 Westbrook Place,
Vancouver, B.C. V6T 1W5

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MEDICAL DEVICE EXPERTS WANTED

The U.S. Food and Drug Administration (FDA), Bureau of Medical Devices (Silver Spring, Maryland) is seeking candidates for the Civil Service positions of **ASSOCIATE DIRECTOR FOR STANDARDS** and **ASSOCIATE DIRECTOR FOR DEVICE EVALUATION**.

The responsibilities of the associate director for standards include the planning, directing, and supervision of approximately 40 to 50 scientific/support personnel engaged in implementing the FDA's Medical Device Standards program, including performance criteria and engage in extensive contacts with groups inside/outside the federal government. The position of the associate director for standards requires a biomedical engineer, materials engineer, mechanical engineer, electronic engineer, physicist, health physicist, chemist, microbiologist, pharmacologist, or health science administrator of outstanding recognized professional ability.

The responsibilities of the associate director for device evaluation include the planning, directing, and supervision of approximately 85 to 100 medical, scientific/support personnel engaged in medical device classification and premarket approval program, including the review and evaluation of preclinical and clinical testing data, and coordinate the activities of expert advisory committees and premarket review panels. The position of associate director for device evaluation requires a physical science administrator, biologist, health science administrator, physician, or general engineer of outstanding recognized professional ability. Both positions require a doctorate degree or equivalent training, extensive planning, evaluating, coordinating, and managing experience of broad scientific and technological research and operational programs; strong leadership and supervisory qualities; and the ability to deal effectively and persuasively with other senior federal officials, the scientific and academic communities, and medical, health, consumer, and industry special interest groups.

The positions provide professional recognition and continuing contacts with colleagues, good salary, comprehensive fringe benefits, and excellent job security. Applicants must be United States citizens, and, if selected, submit to a security clearance investigation and conflict of interest screening. Eligibility is based upon Civil Service regulations. Salary ranges from \$42,423 to \$47,500 a year (GS-16). *The Food and Drug Administration is an Equal Opportunity Employer.* Submit a curriculum vitae, bibliography, and if available, a completed Standard Form 171 (Personal Qualifications Statement), to: **Division of Personnel Management, FDA, Room 4B-32, 5600 Fishers Lane, Rockville, Maryland 20857, attention: Mac Hadley; telephone: 301-443-6233.**

POSITIONS OPEN

PROFESSOR OR ASSOCIATE PROFESSOR with demonstrated success in applying biochemical, electrophysiological, and/or immunological techniques to pertinent biomedical problems. Current extramural funding and eagerness to participate in the graduate program are essential. Competitive, state-funded salary. Send curriculum vitae to: **Dale E. Bockman, Department of Anatomy, Medical College of Georgia, Augusta, Georgia 30902.**
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RESEARCH ASSOCIATE. Postdoctoral position available to study kinetics and energetics of active Na/K transport, employing electrical, radiotracer, and biochemical methodologies on single cells and tissues. The laboratory is part of an active group concerned with the mechanisms of ion regulation in cells. Send curriculum vitae and names of three references to: **Dr. Paul De Weer, Department of Physiology, Washington University School of Medicine, St. Louis, Missouri 63110.**
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STREAM ECOLOGIST

Professor of fisheries to head established interdisciplinary research and teaching program. Position requires record of significant publications and leadership ability demonstrated by quality research program. Available September 1978. Send résumé and three references by 1 April 1978 to: **Dr. Richard A. Tubb, Head, Department of Fisheries and Wildlife, Oregon State University, Corvallis, Oregon 97331.** *Oregon State University is an Affirmative Action/Equal Opportunity Employer and complies with Section 504 of the Rehabilitation Act of 1973.*

SYMPOSIUM

SYMPOSIUM ON COMPARATIVE PATHOLOGY OF ZOO ANIMALS

Co-sponsored by Registry of Comparative Pathology, Smithsonian Institution, Zoological Society of San Diego, and supported by Friends of the National Zoo.

2 to 4 October at the National Zoological Park, Washington, D.C. Topics include genetic, neonatal, immunologic, nutritional, and metabolic and toxic, and infectious and parasitic diseases; neoplasms, capture pathology, gerontological conditions, and clinical pathology.

Submit titles and 200-word abstract as either brief presentation or poster session by 1 May 1978, to: **Dr. Richard J. Montali, National Zoological Park, Washington, D.C. 20008.**

FELLOWSHIPS

RESEARCH FELLOW. Postdoctoral position available immediately to carry out studies of growth hormone mRNA in cultured cells. The project will involve molecular hybridization studies of the hormonal regulation of transcription and processing of growth hormone-specific RNA. Ph.D. in biochemistry or related subjects required. Familiarity with techniques of molecular biology preferred. The appointment will be at \$11,000 plus per year based on experience and number of dependents. Send curriculum vitae, reprints, and names and telephone numbers of two or three references to: **Dr. Carter Bancroft, Section 6144, SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, 1275 York Avenue, New York, N.Y. 10021.** *An Equal Opportunity Employer, M/F.*

POSTDOCTORAL FELLOWSHIPS FOR RESEARCH TRAINING IN HYPERTENSION AND CARDIOVASCULAR DISEASE

Two-year postdoctoral fellowships are available for qualified applicants with the M.D. or Ph.D. degree starting July 1978 as part of a multidisciplinary program. Possible areas for intensive research experience will include biochemical, physiological, pathological, and epidemiological approaches to studying the cardiac, renal, adrenal, and neural components of vascular regulation. For further information write to: **Dr. R. L. Soffer, Department of Biochemistry and Medicine, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.**

FELLOWSHIPS

POSTDOCTORAL RESEARCH FELLOWSHIP applications are being accepted for a limited number of investigations in neuroscience with potential application to CNS regeneration at any accredited institutions (worldwide). Applications must be received by 1 April. Stipends: \$12,000 to \$15,000. For information and application forms contact: **Research Director, National Paraplegia Foundation Research Division, Suite L-111, 4440 NW 19 Street, Lauderhill, Florida 33313.** Telephone: 305-735-9050.

Applications are invited for a 1-year **FELLOWSHIP** (renewable) in medical mycology with special emphasis in regulation of morphogenesis, membrane biology, host-parasite relationships, and extended training in laboratory medical mycology. Background of the applicant should include recent Ph.D. or M.D. degree with training in general mycology, microbiology, and/or biochemistry. Inquiries should be addressed to: **George S. Kobayashi, Ph.D., Department of Medicine, Division of Infectious Diseases, Box 8051, Washington University School of Medicine, St. Louis, Missouri 63110.**

FELLOWSHIPS. Postdoctoral training program in clinical pharmacology, Michigan State University Medical Center for individuals with an M.D. degree or equivalent who are U.S. citizens or permanent residents. Individuals with a Ph.D. degree in a scientific discipline relevant to clinical pharmacology will also be considered. Send curriculum vitae to: **Andrew M. Michelakis, M.D., Ph.D., Director, Clinical Pharmacology Program, Life Sciences Building, Michigan State University Medical Center, East Lansing, Michigan 48824.**

Available at once: **POSTDOCTORAL FELLOWSHIPS** (1 or 2 years); studies focus on elucidating the molecular details of the regulation of cyclic nucleotide metabolism in light and/or hormone responsive cells. Please write to or telephone:

**Mark W. Bitensky
Yale School of Medicine
Department of Pathology
310 Cedar Street
New Haven, Conn. 06510
Telephone: 203-436-8963**

The University of Pittsburgh announces the availability of a limited number of institutional NIMH **POSTDOCTORAL FELLOWSHIPS IN NEURO-PSYCHOBIOLOGY.** Fellowships can be awarded for training in research concerning brain-behavior mechanisms or sensory-perceptual processes or for training in a combined program of neuroscience and clinical psychiatry. Yearly stipends range upward from \$10,000, depending on experience. Send curriculum vitae and three letters of recommendation to: **Claudia Kraft, Psychobiology Program, 446 Crawford Hall, University of Pittsburgh, Pittsburgh, Pa. 15260.**

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POSTDOCTORAL FELLOWSHIP IN IMMUNOLOGY

Postdoctoral position of 2 years duration available for basic and applied research in the area of rheumatoid diseases. Interdisciplinary program available with research opportunities in related areas of cellular and humoral immunity. Salary is \$12,000 per year, plus fringe benefits. Send inquiries by 15 March 1978 to: **Dr. Walter L. Myers, Director, Division of Cell and Molecular Biology, Southern Illinois University School of Medicine, P.O. Box 3926, Springfield, Ill. 62708.** *An Equal Opportunity/Affirmative Action Employer.*

ASSISTANTSHIPS

PATHOLOGY, PREDOCTORAL ASSISTANTSHIPS available for students to pursue Ph.D. degree in pathology at State University of New York at Buffalo (SUNYAB) starting in September 1978. The program is open to candidates with A.B., M.A., or M.D. degrees. Research opportunities are available in areas of endocrine pathology, experimental hypertension, immunopathology-immunobiology, and neuropathology. For further information contact: **Dr. Peter A. Nickerson, Department of Pathology, SUNYAB, Buffalo, N.Y. 14214.**

ASSISTANTSHIPS

RESEARCH ASSISTANTSHIP—POPULATION ECOLOGY DEPARTMENT OF BIOLOGY IDAHO STATE UNIVERSITY

Research assistantship leading to M.S. or Ph.D. degree available immediately or 1 June 1978. Support level: \$3,456 to \$4,320 and fees, depending on degree sought. Duties: collection and analysis of data on vertebrate populations, with special reference to small mammals, occupying a subsurface nuclear waste area in semi-desert habitat. Location of research: Idaho National Engineering Laboratory National Environmental Research Park in southeastern Idaho. Application deadline: 15 March 1978. Send three letters of reference, official transcript, résumé, and Graduate Record Exam scores to: **Dr. Barry L. Keller, Department of Biology, Idaho State University, Pocatello, Idaho 83209.**

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COURSES

THE INSTITUTE OF MARINE SCIENCES OF THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Will offer 5-week courses during summer 1978 at the coastal laboratory in Morehead City. Course titles and instructors for the first session, 12 June to 14 July, are: **Coastal Geology**, Albert Hine; and **Marine Molluscan Biology**, Alphonse Chestnut and Hugh Porter. For the second session, 17 July to 18 August: **Coastal Community Ecology**, Charles Peterson; **Advanced Marine Invertebrates**, Charles Jenner; **Marine Microbiology**, Jan Kohlmeier, Randolph Ferguson, and Robert Gessner; **Ichthyology**, Frank Schwartz; and **Techniques for Sampling Marine Organisms**, Frank Schwartz. Additional information and application materials may be obtained from: **Chairman, Summer Session Program, University of North Carolina Institute of Marine Sciences, Morehead City, N.C. 28557.** *The University's admissions policy is non-discriminatory.*

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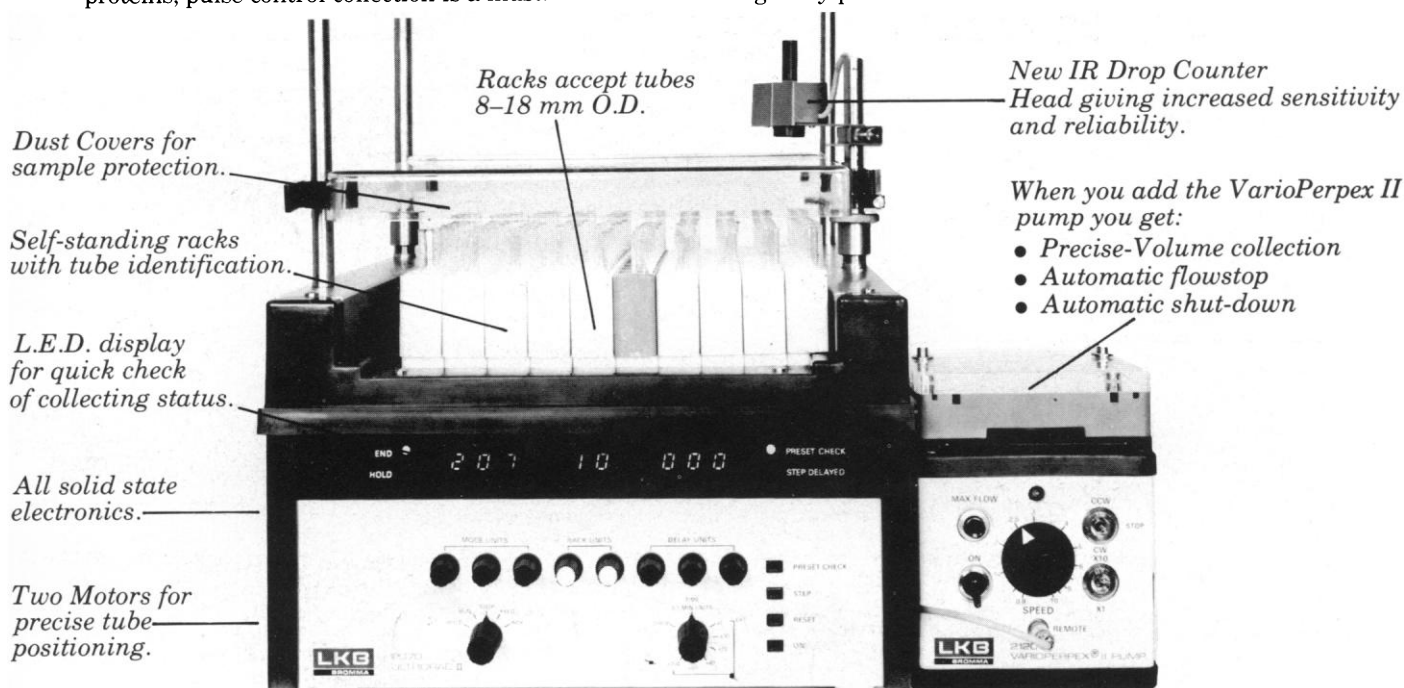
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