Personnel Placement

Only those employers who will not discriminate on the basis of race, sex, religion, age, color, or na-tional origin should submit Personnel Placement advertising.

POSITIONS WANTED: 40c per word: use of Box Number counts as 10 additional words. Minimum charge \$10. Prepayment required. This rate applies to individuals only: personnel agencies and com-panies take display rate for all advertising.

DISPLAY (POSITIONS OPEN, MARKET PLACE, AND SO FORTH); \$110 per inch, minimum (1 inch is equivalent to 12 lines of 48 characters 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. Pur-chase orders and billing information must accom-pany all other advertising.

COPY for ads must reach SCIENCE by Wednesday, 3-1/2 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 42nd 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

Effective 1 January 1976, the display rate (Positions Open, Market Place, Fellowships, and so forth) will be \$130 per inch, minimum, per insertion.

POSITIONS WANTED

Analytical Chemist: B.S. 1967. Seeking R & D position doing materials analysis and cha agencies please. Box 487, SCIENCE. characterization. No

Anatomist-Histologist-Electron Microscopist, Ph.D. Desires senior academic teaching/research position. Extensive experience in transmission and scanning electron microscopy; microprobe analysis of normal and pathological tissues. Strong background in all phases of cell ultrafine structure. Versatile, innovative person with genuine commitment to teaching. Numer-ous publications. Box 510, SCIENCE. X

Biochemist, Ph.D. 1971, experienced in the chemistry and enzymology of developing nervous system and ax-oplasmic transport, supported by publications. Desires research/teaching position. No geographical prefer-ence. Date and salary negotiable. Box 511, SCIENCE.

Biochemist, Ph.D. 1972. Pharmacy, B.S. Drug metabolism, in vitro carcinogenesis. Experience in GC/MS, high pressure chromatography. synthesis labeled com-pounds, autoradiography. Publications, grants. Box 512, SCIENCE. X

Husband, Ph.D. 1974, numerical analysis, and Wife, Ph.D. 1975, vertebrate zoology, both with teaching ex-perience and publications, seek positions together. Write: Rogers, 306 Jamesville Avenue, Syracuse, New York 13210. X

Immunologist/Microbiologist. Ph.D. 1973. Broad background in health sciences. Research experience in bacterial and viral host-parasite interactions, secretory immunology, protein chemistry and identification. Publications. Wants challenging position in industry, research institution, or university. N. I. Medin, 3545 64 Street, Sacramento, California 95820. X

26 DECEMBER 1975

POSITIONS WANTED

Microbiologist/Immunologist, Ph.D. 1975, seeks posi-tion in immunology reasearch or industrial fermenta-tions. Postdoctoral fellowship will be considered. Box 513, SCIENCE.

Plant Pathologist/Microbiologist, Ph.D. (expected Talliotogist/Witchologist, Hit.D. (ckpcted June 1976). Specialty: fungal physiology. Experience: metabolism, enzymology, phytopathologic plant physi-ology. Broad academic background. Seeks post-doctorate research associateship, research institute, ac-ademic faculty, industrial position. Box 514, SCI-ENCE. X

POSITIONS OPEN

ANATOMISTS

Applications are invited from qualified persons holding the M.D. or Ph.D. degree for two faculty positions at the associate or assistant professor level with major interests in gross anatomy and neuroanatomy. Previous medical educational experience is desired. Must be in-terested in graduate teaching and carry on an active re-search program. Submit curriculum vitae and refer-ences to Dr. Antonio Zappala, Chairman of Anatomy, Wight State University, Dayton, Ohio 45431.

Wright State University is an Equal Opportunity/Af-firmative Action Employer.

AQUATIC ECOLOGIST

Assistant or associate professor position for a person with qualifications in limnology and ecology of aquatic organisms available in August 1976; ancillary interests in experimentation, modeling, and/or applied ecology are suitable. Send curriculum vitae, three letters of rec-ommendation, and reprints to Dr. M. F. Willson, De-partment of Ecology, Ethology and Evolution, Vivarium Building, University of Illinois, Champaign, Illinois 61820, before 1 February 1976. The University of Illi-nois is an Affirmative Action/Equal Opportunity Em-ployer. ployer.

WANTED—TWO ASSISTANTS whose training has been in microbiology and/or immunology. A B.S. or M.S. degree is desired. Work will consist of helping in and developing studies on radioactive tracers, viral and and developing studies on partification and concentration of biologicals, and animal responses to various biologi-cals. This is primarily R & D work in a medical re-search foundation in Florida. If interested, indicate sal-ary wanted. **Box 503, SCIENCE.**

ASSISTANT PROFESSOR, Ph.D., broadly trained in biology with emphasis in zoology and physiology. Interest and experience in science education important. Responsibilities: science methods course, supervision of secondary practice teachers, anatomy-physiology courses, general biology, human biology. Application deadline 21 January. Send curriculum vitae to Dr. Rob-ert F. Clarke, Chairman, Division of Biological Sciences, Emporia Kansas State College, Emporia, Kansas 66801. Emporia Kansas State College is an Affirma-tive Action/Equal Opportunity Employer.

ASSISTANT PROFESSORSHIPS BIOCHEMISTRY AND MOLECULAR BIOLOGY

Applications are solicited for two faculty positions at the assistant professorship level in the Department of Biochemistry and Molecular Biology to begin after I June 1976. Candidates are being sought with strong backgrounds in biochemistry and with research inter-ests in the following general areas: (i) the molecular bi-ology of eukaryotic systems and (ii) the biochemistry of cell surface components. Responsibilities will in-clude teaching medical students and graduate students and organizing an independent research program. Ap-plicants should submit curriculum vitae and supporting material by 1 February 1976 to Dr. J. A. DeMoss, De-partment of Biochemistry and Molecular Biology, Uni-versity of Texas Medical School, 6400 West Cullen, Houston, Texas 77025. An Equal Opportunity/Affir-mative Action Employer. Applications are solicited for two faculty positions at

BIOSTATISTICIAN. The Cleveland Clinic Foundation is seeking to fill a new position entailing consultation is seeking to fill a new position entailing consulta-tion and research in collaboration with basic and medi-cal scientists. Position requires both formal and infor-mal teaching and is available immediately. Excellent computer facilities available. Ph.D. or equivalent re-quired. Send complete résumé and references to **Dr. R. R.Smeby, Research Division, Cleveland Clinic Founda-tion, 9500 Euclid Avenue, Cleveland, Ohio 44106.** Equal Opportunity Employer.

Master's Program in Interdisciplinary Science at M.I.Ť.

The Interdisciplinary Science Com-mittee of the School of Science at the Massachusetts Institute of Technology announces the initiation of a graduate program leading to the master's degree. Under this program we will accept highly qualified, advanceddegree candidates oriented toward positions in industry and government. Programs may involve subjects in more than one science department and may include courses from the other four M.I.T. schools—Architec-ture and Planning, Engineering, Humanities and Social Science, and Management. Students may qualify Management. Students may qualify for the degree in either of two ways: 1) by developing, with the assistance of an adviser, a special program and completing it, or 2) by completing the requirements for one of the specified programs, which currently include programs in application of lasers, science education, animal cell science, and environmental chemis-try. try.

Further information or application Further information or application forms may be obtained by phoning (617) 253-5723 or by writing to Dean Robert A. Alberty, Interdisciplinary Science Office (Course 25), M.I.T., Room 6-219, 77 Massachusetts Avenue, Cambridge, Massachusetts 02139. Applications will be received until March 30 or by special permis-sion thereafter sion thereafter.

UNIVERSITY OF WESTERN AUSTRALIA Perth FORESTS DEPARTMENT POSTGRADUATE RESEARCH FELLOWSHIP IN BOTANY

Applications for the above-mentioned Fellowship are invited from graduates with a first-class or upper division second-class honours degree in Botany, and Forestry or Agriculture graduates whose courses of study have extended over at least four years and who have had appropriate research experience. The Fellowship, financed by the Forests Department of Western Australia, will be tenable for one year initially with prospects of renewal for up to two further years. The value of the Fellowship is \$A3250 per an-num. The Fellow will be required to undertake research in a field covering mycological, physiological or ecologi-cal aspects of tree growth in relation to multiple use forestry, or such other fields as may be prescribed. Further information may be obtained from the Head of the Department of Botany, Professor J. S. Pate, in the University. Applications in triplicate stating per-sonal particulars, academic record, resonal particulars, academic record, re-search experience, work proposed, etc., should reach the Staffing Officer, University of Western Australia, Ned-lands, Western Australia, 6009, by 10 January 1976 but will be accepted for a further 14 days. Candidates should request two academic referees to write immediately to the Staffing

should request two academic referees to write immediately to the Staffing Officer, in the University. Conditions of appointment may be obtained from the Association of Com-monwealth Universities (Appts), 36 Gordon Square, London WC1H OPF.

ASSISTANT PROFESSORS

The Department of Biology at the University of South Florida is seeking two faculty members at the assistant professor level. The selected individuals will assistant professor level. The selected individuals will be expected to conduct an active research program, di-rect graduate students, and instruct at both the gradu-ate and undergraduate level. A Ph.D. is required. Per-sons with postdoctoral and/or teaching experience are preferred

Functional Molecular Biologist. Preference will be given to applicants showing additional competence in the area of electron microscopy and to those working in eukaryote systems

Marine Biologist. Preference will be shown to indi-viduals with specialties in the areas of marine ani-mal ecology, plankton ecology, or marine in-vertebrates (physiology or behavior).

Candidates are requested to forward curriculum Candidates are requested to forward curriculum vitae and solicit three letters of recommendation. Ap-plicants with recent Ph.D.'s should include a transcript of their graduate work. Application material should be addressed to: Search Committee, Department of Biol-ogy, University of South Florida, Tampa, Florida 33620. Deadline for applications is 29 February. University of South Florida is an Equal Opportu-nity, Affirmative Action Employer.

POSITION IN BIOLOGICAL OCEANOGRAPHY DALHOUSIE UNIVERSITY

The Institute of Oceanography expects to have a vacancy in biological oceanography and invites appli-cations at the assistant or associate professor level with interests in physical and biological aspects of marine

interests in physical and biological aspects of marine production or in marine microbiology and decomposi-tion processes. To ensure consideration, applications should be received by 28 February 1976. The Institute is a graduate department offering pro-grams leading to the M.Sc. and Ph.D. in biological, physical, chemical, and geological oceanography. Re-search and teaching programs benefit from active co-operation with other laboratories in the area, including the Bedford Institute of Oceanography, Nova Scotia Research Foundation, and National Research Council Laboratory. Shin support is provided by the Bedford

Research Foundation, and National Research Council Laboratory. Ship support is provided by the Bedford Institute and a special oceanographic laboratory is available in the Dalhousie Aquatron. Candidates should submit a complete curriculum vitae, with information on research grants held, and a statement of present and proposed research interests. Supporting confidential letters of reference should be addressed to the Director, Institute of Oceanography, Dalhousie University, Halifax, Nova Scotia, Canada, B3H 3J5. Telex: 019-22512.

ASSISTANT PROFESSORS OF PATHOLOGY We have two positions for M.D.'s with training in ana-tomical pathology who would like to develop an indetomical pathology who would like to develop all inde-pendent research program in addition to medical stu-dent and house staff teaching and some limited partici-pation in the autopsy service. The department needs re-search strength in connective tissue diseases and the biochemical aspects of cardiovascular disease, but indibiochemical aspects of cardiovascular disease, but indi-viduals with other interests will also be considered. Curriculum vitae and two letters of recommendation should be received by 1 February 1976. Respond to Chairman of Pathology Department, Vale University School of Medicine, 333 Cedar Street, New Haven, Conn. 06510, Female and minority applicants are en-couraged to apply.

CHAIRMAN OF OPHTHALMOLOGY. Nomi-nations and applications are invited for Chairmanship of Department of Ophthalmology. Duties include pro-viding full-time leadership in teaching (undergraduates, medical students, and graduates), research, and patient care in Medical Center Hospital. Office and laboratory facilities are in a new Medical Science building. Send curriculum vitae to: Dr. Robert L. McLaurin, Director of Neurosurgery, University of Cincinnati, College of Medicine, Cincinnati, Ohio 45267. The University of Cincinnati is an Equal Opportunity/Affirmative Ac-tion Employer. CHAIRMAN OF OPHTHALMOLOGY. Nomi-

DIRECTOR

The International Nutrition Planning Program at the Massachusetts Institute of Technology is seeking a new director. The Program is concerned with the role of food and nutrition policy in political and economic development of countries. The candidate should have a new of the schedurching and economic provide a schedurching and economic provide a schedurching and economic for the schedurching and economic for th verophient of scholarship and extensive field experience in one of the relevant disciplines. Anyone interested should write: International Nutrition Planning Program Search Committee, Room 16-325, Massachusetts Insti-tute of Technology, Cambridge, Mass. 02139. An Equal Opportunity Employer.

POSITIONS OPEN

The University of California, Irvine, California Col-lege of Medicine, Department of Physiology is recruit-ing for an ASSISTANT PROFESSOR.

Candidates should have demonstrated ability to con-duct independent research in neurophysiology. Duties of job include the teaching of neurophysiology to medi-cal students. Applications from qualified candidates are welcome; minorities and women are encouraged to apply. Send names of four references and curriculum vitae to: Dr. Peter F. Hall, Professor and Chair, Department of Physiology, University of California, Irvine, California 92717, by 15 February 1976.

An ASSISTANT PROFESSORSHIP IN BIO-CHEMISTRY AND BIOPHYSICS is available at Iowa State University in the general field of molecular biology. Applicants should have a strong background in chemistry and modern biology, postdoctoral experiin chemistry and modern biology, posidoctoral experi-ence, the ability to establish an independent, creative research program, and an interest in and talent for teaching at both the undergraduate and graduate level. Applications received after 15 February 1976 are not assured of consideration. Send a résumé plus tran-scripts, and arrange to have three letters of reference sent to Dr. Jack Horowitz, Department of Biochemistry and Biophysics, Iowa State University, Ames, Iowa 50011. 50011.

Iowa State University is an Affirmative Action Emplover.

ASSISTANT PROFESSORS OF BIOLOGY

One position in cell and molecular biology, and one in organism biology (including comparative, coological or behavioral physiology, or ethology). Both positions include a research opportunity and graduate and undegraduate teaching, including contribution to an ele-mentary course. Small department with major strengths in cell biology, and in ecology-population bi-ology. Close ties to an adjacent biomedical research complex. Submit application, including curriculum vitae, names and addresses of four referees, one or two reprints or preprints, and a statement of research plans

Search Committee for Cell and Molecular Biology (or for Organism Biology) Department of Biology / G5 University of Pennsylvania Philadelphia, Pa. 19174

An Affirmative Action/Equal Opportunity Employer

ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY UNIVERSITY OF WISCONSIN

The Department of Physiology, Center for Health Sciences, University of Wisconsin Medical School, is accepting applications for a faculty position at the as-sistant professor level. Candidates with a demonstrated sistant professor level. Candidates with a demonstrated interest in the physiology of excitable cells with empha-sis on smooth muscle or motor aspects of neurophysiol-ogy are desired; however, qualified candidates in other areas will be considered. Duties include participation in teaching physiology to undergraduate and medical stu-dents. Send curriculum vitae, reprints, and the names of three references to: Chairman, Department of Physi-ology, University of Wisconsin Medical School, 470 North Charter Street, Madison, Wisconsin 53706.

An Equal Opportunity/Affirmative Action Employer

DEAN OF THE COLLEGE OF LIFE SCIENCES AND AGRICULTURE AND DIRECTOR OF THE LIFE SCIENCES AND AGRICULTURE EXPERI-MENT STATION. University of Maine at Orono in-MENT STATION. University of Maine at Orono in-vites nominations and applications for this position. Nominations, applications, or requests for position de-scriptions should be sent to: Dr. James M. Clark, Sec-retary of Search Committee, Alumni Hall, University of Maine at Orono, Orono, Maine 04473. Application deadline: 1 February 1976. Equal Opportunity/Affir-mative Action Employer.

ECOLOGIST-PALEOBIOLOGIST. The Department of Earth and Planetary Sciences, The Johns Hop-kins University, anticipates a junior faculty opening for kins University, anticipates a junior faculty opening for the fall 1976. Candidates should have significant re-search accomplishments in some aspect of aquatic ecology with strong interests in evolutionary biology or in paleobiology, with strong interests in living orga-nisms and ecological theory. *The Johns Hopkins Uni-versity is an Equal Opportunity Employer.* Send résumés to: Dr. Owen M. Phillips, Chairman, Depart-ment of Earth and Planetary Sciences, The Johns Hop-kins University, Baltimore, Maryland 21218, before 1 February 1976.

POSITIONS OPEN

ASSISTANT PROFESSOR. Although funding is not yet assured, the Department of Zoology at the Univer-sity of Washington has been authorized to begin con-sideration of applications for two assistant professorships in areas complementary to the present strengths of the Department. These positions involve instruction at undergraduate and graduate levels and the development of a vigorous program of individual research. Persons holding doctorates in appropriate research. Persons holding doctorates in appropriate fields and with outstanding qualifications are invited to apply. Please send curriculum vitae, pertinent tran-scripts, bibliography with copies of significant publica-tions or manuscripts in press, a list of three references, and a statement of research and teaching interests to Professor Donald S. Farner, Chairman, Department of Zoology NJ-15, University of Washington, Seattle, Wash. 98195. Deadline for completion of applications is 15 February 1976. The University of Washington is an Affirmative Action/Equal Opportunity Employer. Applications from women and members of minority groups are encouraged.

Position anticipated for **CELL PHYSIOLOGIST**. September 1976. Desire person with doctorate to teach advanced courses in cell physiology and developmental cell biology as well as introductory courses. Successful candidate would be expected to develop an active recanduate work be expected to develop an active re-search program in a reas such as developmental cell bi-ology, immunology, carcinogenesis, hematology, or membrane studies. Rank will normally be at assistant professor level unless an outstanding individual can be identified who qualifies for associate professor rank. Send curriculum vitae, transcripts, reprints, and three letters of recommendation by 2 February 1976 to Dr. Lee A. Meserve, Chairman, Search Committee, Depart-ment of Biological Sciences, Bowling Green State Uni-versity, Bowling Green, Ohio 43403, An Affirmative Action/Equal Opportunity Employer.

DIRECTOR OF **IMMUNOPATHOLOGY** M.D. OR PH.D.

Highly rewarding career opportunity with one of the largest worldwide research institutes. Position involves responsibility for three to four Ph.D.-supervised immunology sections; it requires a proven record of scientific achievement plus the leadership ability necessary to run a creative and enthusiastic department. This is a challenging position, offering scientific latitude as well as the opportunity for publication and academic affiliation.

Please send résumé including salary reauirements to:

Box 515, SCIENCE

Equal Opportunity Employer M/F

EXTENSION ENTOMOLOGY SPECIALIST on mosquitoes and related insect pests of man and ani-mals. Ph.D. with minimum of 5 years of experience in biology and control. Must coordinate University mosquito research projects with 60 mosquito control agencies. Organizational skills needed in program de-velopment, analysis, and evaluation of research technology and operational budgets, in communications and staff training, plus the ability to conduct applied re-search and demonstrations related to agriculture.

search and demonstrations related to agriculture. Send inquiries to: Assistant Director, Personnel, Di-vision of Agricultural Sciences, University of California, 2200 University Avenue, Berkeley, Calif. 94720. An Equal Opportunity/Affirmative Action Employer.

FACULTY OPENING, Dartmouth College, Hanover, New Hampshire. Assistant Professor: neurophysiolo-gist or comparative physiologist to teach courses in comparative physiology and neurobiology. Require-ments: productive postdoctoral research experience and demonstrated ability in teaching. Send curriculum vitae, bibliography, reprints, three letters of evaluation to: Dr. Thomas B. Roos, Chairman, Search Committee, Department of Biological Sciences, Dartmouth College, Hanover, New Hampshire 03755. Dartmouth College is an Equal Opportunity/Affirmative Action Employer.

SCIENCE, VOL. 190

CHAIRPERSON DEPARTMENT OF CHEMISTRY

The University of Maryland invites nominations and applications from interested persons with demonstrated leadership ability, who have an established record of achievement in teaching and research in chemistry or biochemistry. Candidates must possess a Ph.D. or equivalent degree in chemistry or biochemistry. The successful applicant will lead a large diversified Department in its continuing pursuit of excellence in teaching and research.

Expression of interest together with curriculum vitae and the names and addresses of five references should be sent by 15 January 1976 to Dr. M. Kenneth Corbett, Chairman of Search Committee, Department of Botany, University of Maryland, College Park, Md. 20742. An Equal Opportunity/Affirmative Action Employer

DEAN, SCHOOL OF FORESTRY AND ENVIRONMENTAL STUDIES

Applications and nominations are invited for the position of Dean of the Duke University School of Forestry and Environmental Studies. The School offers only graduate programs, awarding the master of forestry, master of environmental management, M.S., and Ph.D. degrees. The successful applicant will be expected to assume academic and administrative leadership for the expanding programs of the School. Candidates should have a Ph.D. degree and an established reputation in a natural resources-related field. An interest in or identification with the broad area of environmental studies is desirable. Position is to be filled for fall 1976. Contact Dr. K. R. Knoerr, Chairman, Dean Search Committee, School of Forestry and Environmental Studies, Duke University, Durham, North Carolina 27706. Duke University is an Equal Opportunity/Affirmative Action Employer.

Northeastern Medical School is searching for a full-time **Director of Neurology**. This position offers an excellent opportunity. Applicant must have outstanding credentials. Will consider young academician with potential. If interested please send your curriculum vitae to

Box 516, SCIENCE

Northeastern Medical School is searching for a full-time **Director of OB-GYN**. This position offers an excellent opportunity. Applicant must have outstanding credentials. Will consider young academician with potential. If interested please send your curriculum vitae to

Box 517, SCIENCE

Northeastern Medical School is searching for a full-time **Director of Gastroenterology**. This position offers an excellent opportunity. Applicant must have outstanding credentials. Will consider young academician with potential. If interested please send your curriculum vitae to

Box 518, SCIENCE

The Department of Chemistry, Simon Fraser University, Burnaby (Vancouver), B.C., Canada V5A 1S6, invites applications for a FACULITY APPOINTMENT, rank open, to be made in one of the following areas: inorganic, bioinorganic, organometallic, or analytical chemistry. Starting date 1 September 1976. Canadian experience will be an advantage. Send curriculum vitae and names of three referees before 1 February 1976 to: E. J. Wells, Acting Chairman, Department of Chemistry.

HISTORY AND PHILOSOPHY OF SCIENCE. New tenurable position beginning September 1976. Ph.D. and some teaching experience desired. Appointee will be expected to develop at least one new course as well as direct new program at liberal arts college. Inquiries or applications including at least three letters of recommendation and transcripts are to be sent to George M. Rosenstein, Jr., Chairman, Committee on the History and Philosophy of Science, Franklin and Marshall College, Lancaster, Pennsylvania 17604. An Equal Opportunity Employer.

26 DECEMBER 1975

POSITIONS OPEN

University of Wisconsin-Madison. FACULTY POSI-TION in theoretical physical chemistry in the Department of Chemistry and the Theoretical Chemistry Institute. Primary requirement is excellence in research and teaching. Research may be in the development of new a priori techniques in any field of theoretical chemistry complementary to the interests of present staff members. Teaching responsibilities are expected to include general chemistry as well as undergraduate- and graduate-level physical chemistry. Appointment at the assistant professorship level is envisioned but consideration will be given to exceptionally qualified applicants at higher levels. The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and minority candidates. Send résumé including description of research interests and three letters of reference to Professor J. O. Hirschfelder, Theoretical Chemistry Institute, University of Wisconsin, 1101 University Avenue, Madison, Wisconsin 53706.

FACULTY POSITION: Assistant professor responsible for teaching in comprehensive environmental health graduate program and management of research projects, including student research. Applicant should have thorough knowledge of aerosol theory, classical aerodynamics, and their interactions; experience in research involving characterization and behavior of transient aerosol systems necessary. Will apply aerosol research findings to problems in air pollution control, occupational health, and peaceful uses of nuclear energy. Requires academic training through doctoral level. Qualified women and minority group members are encouraged to apply. Submit résumés to Dr. Dade W. Moeller, Harvard School of Public Health, 665 Huntington Avenue, Boston, Mass. 02115.

HEAD, DEPARTMENT OF ENTOMOLOGY OREGON STATE UNIVERSITY

The Department of Entomology, Oregon State University, invites applications for the position of department head. Position open 1 March 1976; completed applications should be received by 6 February 1976. For further information about the Department and the position requirements, write: John D. Lattin, Chairman of Nominations Committee, Department of Entomology, Oregon State University, Corvallis, Oregon 97331. Oregon State University is an Affirmative Action/Equal Opportunity Employer.

IMMUNOCHEMIST/MICROBIOLOGIST

Bio-Dynamics/bmc Diagnostic Division is seeking a Research and Development Scientist with strong record of accomplishment. Desire a highly motivated self-starter to head up a new R & D group. Candidate should have a Ph.D. with capabilities, knowledge and experience in immunochemistry, microbiology, and instrumentation.

Send confidential résumé to Personnel Manager, Bio-Dynamics/bmc, 9115 Hague Road, Indianapolis, Indiana 46250.

An Equal Opportunity Employer.

Assumption College, Worcester, Mass., has a full-time opening in biology at the INSTRUCTOR OR AS-SISTANT PROFESSOR level. A Ph.D. in biology is preferred. The position involves 15 hours (including laboratory sections) of undergraduate teaching each week. Candidates should be prepared to teach courses in embryology and histology as well as introductory courses for nonmajors. Applications (including curriculum vitae, three letters of recommendation, and transcripts) must be received by 15 February 1976. Send to: Paul J. Mahon, Acting Chairman, Division of Natural Sciences, Assumption College, Worcester, Mass. 01609. Only complete applications will be considered. An Equal Opportunity/Affirmative Action Employer.

PRINCETON UNIVERSITY. The Department of Biology has an opening at the level of **INSTRUCTOR**, beginning in September 1976, to teach a laboratory course in experimental vertebrate biology which is complementary to an existing lecture course. Areas of interest covered by the course include vertebrate reproductive biology with emphasis on neuroendocrine mechanisms. Ample opportunity will be available to carry out individual research projects, preferably in the area of vertebrate reproductive biology, including neuroendocrinology. Ph.D. degree or equivalent required.

Submit letter of application, curriculum vitae, and the names of three referees to Dr. R. D. Lisk, Department of Biology, Princeton University, Princeton, N.J. 08540.

Princeton University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CHAIRMAN DEPARTMENT OF BIOCHEMISTRY MEDICAL COLLEGE OF VIRGINIA

The Department of Biochemistry in the School of Basic Sciences at the Medical College of Virginia branch of the Virginia Commonwealth University invites applications for the position of Chairman. The department has 15 faculty, 18 graduate students, and a teaching commitment to professional and graduate programs. Candidates should have an outstanding record of scientific accomplishment, substantial experience at pre- and postdoctoral training, and experience or interest in teaching professional students. Interested applicants should send a curriculum vitae and list of publications to: F. N. Briggs, Chairman, Department of Physiology, Medical College of Virginia, Virginia Commonwealth University, Box 608, Richmond, Va. 23298. An Equal Opportunity/Affirmative Action Employer

The Division of Natural Sciences, State University of New York, Purchase, N.Y. 10577 (Westchester County), An Equal Opportunity/Affirmative Action Employer, invites applications from persons with experience beyond the doctorate for FACULTY appointments September 1976. Duties include teaching undergraduate courses, establishing a significant research program, directing senior thesis research, and participating in planning the growth of strong science programs on this new and expanding state campus. Interdisciplinary interests are especially encouraged. Submit curriculum vitae, names of three references, and summary of research plans to search leader indicated below by 1 March.

BIOLOGIST/ENVIRONMENTAL SCIENTIST with experience in aquatic systems and applied environmental problems, capable of teaching and research in such areas as marine biology and/or limnology, animal or plant physiology, general biology, ecology. Search leader: Dr. Lee Ehrman.

CHEMIST capable of teaching courses in both physical and organic chemistry, or a chemist with an inorganic and analytical chemistry background. An active interest in environmental and biological problems is desirable. Search leader: **Dr. Carlo Parravano**.



SPECIALISI Mobay Chemical Corporation, the fastest-growing subsidiary of one of the world's largest chemical companies, is seeking a Scientific Specialist in governmental regulatory affairs to monitor, coordinate and direct its informational and compliance activities

formational and compliance activities at its Pittsburgh headquarters location. This person will have responsibility for compliance submissions, including regulation research, laboratory work supervision, and final report preparation.

A STRONG SCIENCE BACKGROUND, Ph.D., OR EQUIVALENT IN CHEMIS-TRY OR BIOCHEMISTRY AS WELL AS PROVEN SUPERVISORY/ADMINISTRA-TIVE CAPABILITIES ARE PREFERRED. PREVIOUS LIAISON WITH FDA, DOT, USDA, NSF OR OTHER GOVERNMENT AGENCIES HELPFUL.

Compensation includes competitive base salary and a fully-comprehensive company-paid fringe benefit package. Please send resume detailing experience and salary requirements to D. S. Perkins.



ACULTY POSITION IN ELECTRON MICROS **COPY**. Applications are invited for a position of assistant or associate professor, starting August 1976. Preference will be given to candidates who have had teacherrore will be given to candidates who have had teach-ing experience, postdoctoral training, and research ac-complishments. Primary responsibilities associated with this position are the operation and maintenance of an electron microscope facility, as well as teaching duties. The candidate's research interests should be in the area of biophysics, molecular biology, entomology, or environmental biology, utilizing electron microsco-py as the primary research technique. The applicant will also be expected to direct graduate students. Please send a curriculum vitae and the names of three refer-ences to: Dr. Aelita J. Pinter, Chairman, Search Com-mittee, Department of Biological Sciences, University of New Orleans, New Orleans, Louisiana 70122. (A member of the Louisiana State University System.) Equal Opportunity/Affirmative Action Employer.

MANAGER OR DIRECTOR **MOLECULAR VIROLOGY** LABORATORY

Experience in viral oncology essential

Send résumé to: Dr. Vincent Groupé Scientific Director Life Sciences Research Laboratories 2900 72nd Street North St. Petersburg, Florida 33710 An Equal Opportunity Employer

The Section of Neurobiology and Behavior in the Division of Biological Sciences at Cornell University has an opening for a **NEUROBIOLOGIST**. The posi-tion will be filled at the assistant professor level. The candidate must have strong training and research com-mitment in fundamental problems involving cellular or molecular approaches to the nervous system. Areas of research ound insulu, but are not metiod to puero molecular approaches to the nervous system. Areas of research could include, but are not restricted to, neuro-development, neural integration, or synaptic transmis-sion. A curriculum vitae with bibliography, one or two recent reprints, and letters from three people who know the candidate's work well should be sent to: Dr. Jeffrey M. Camhi, Chairman, Neurobiology Search Com-mittee, Section of Neurobiology and Behavior, Lang-muir Laboratory, Cornell University, Ithaca, New York 14853. Deadline for receipt of applications is 1 March 1976. 1976.

Pathologist AP-CP, to complete hospital-based group in university-affiliated teaching hospital. Upper Midwest. Financial arrangements open to negotiation. Stimulating situation, excellent working environment. Send résumé to

Box 494. SCIENCE

PHYSIOLOGIST; research oriented, to contribute to doctoral program in Life Sciences and to offer under-graduate/graduate course in vertebrate physiology. Excellent facilities provided, rank and salary open. Preference will be given to applicants with established research programs in areas of electrophysiology such as neuro or comparative. Send curriculum vitae and names of references to Dr. C. P. Sword, Department of Life Sciences, Indiana State University, Terre Haute, Ind. 47809. Applications will be considered until 15 February 1976. Indiana State University is an Affirma-tive Action/Eaual Onportunity Employer. tive Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION for 1 or 2 years available at Dartmouth Medical School, Hanover, N.H., 1 July or sooner. Ph.D. or M.D. with a strong background in biochemistry or molecular biology to work on problems of tumor cell growth.

Box 519, SCIENCE

Affirmative Action/Equal Opportunity Employer

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POSITIONS OPEN

PLANETARY SCIENTIST

Applications are invited for a possible faculty appointment in teaching and research in the Department of Planetary Sciences and the Lunar and Planetary Laboratory, University of Arizona. Particular needs Laboratory, University of Arizona. Particular needs exist in the area of planetary geochemistry and cosmo-chemistry. Applications, accompanied by résumés, statements of research interests, and complete bibliog-raphies, should be sent to Dr. C. P. Sonett, Department of Planetary Sciences and Lunar and Planetary Labora-tory, University of Arizona, Tucson, Arizona 85721, be-fore 1 February 1976. Letters of recommendation, di-rected as above, should be requested from at least three persons who are well accounted with the amplianetic persons who are well acquainted with the applicant's accomplishments and potential.

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PLANT ECOLOGIST

The Department of Biology, McGill University, invites applications for one position.

Plant Ecologist. An appointment at the assistant professor level, to begin on or before I September 1976. Duties to include undergraduate teaching, graduate teaching, and a strong research program. The appli-cation deadline is I February 1976.

The candidate will be chosen on the basis of demonstrated and potential research abilities and the capacity for graduate and undergraduate teaching. Ph.D. required.

Curriculum vitae, statements of research interests, and three letters of reference should be sent to: Ms. E. Mader, Department of Biology, McGill University, P.O. Box 6070, Station A, Montreal, Quebec, Canada H3C 3G1.

PLANT OR TERRESTRIAL ECOLOGIST

The Department of Landscape Architecture and Regional Planning, University of Pennsylvania, has an opening at the assistant professor level beginning | July opening at the assistant professor level beginning 1 July or 1 September 1976, with a joint appointment in the Department of Biology. Duties include teaching ecol-ogy courses to graduate students in regional planning and conducting research in the field of plant or terres-trial ecology. A background in energy and nutrient flow, plant succession and distribution, and plant com-munity dynamics and structure is essential. Send letter of application, curriculum vitae, transcripts, and three letters of recommendation to: letters of recommendation to:

Ian L. McHarg, Chairman Department of Landscape Architecture and Regional Planning University of Pennsylvania Philadelphia, Pa. 19174

POSTDOCTORAL POSITION

Postdoctoral position available for recent Ph.D. with interest in ion movements in cardiac muscle. Back-ground in tracer techniques or intracellular recording advantageous but not essential. Send curriculum vitae to:

> Dr. D. L. Kunze/Dr. J. M. Russell Department of Physiology and Biophysics University of Texas Medical Branch Galveston, Texas 7755

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POSTDOCTORAL RESEARCH ASSOCIATE

A position is immediately available for a recent graduate (Ph.D.) trained in neurophysiology to work on problems of cellular interactions in *Limulus*. Experence in microsurgical, microinjection, as well as intra-cellular recording techniques is desirable. Send curricu-lum vitae and names of three references to:

Dr. James G. Townsel Department of Physiology Meharry Medical College Nashville, Tenn. 37208

PRE- AND POSTDOCTORAL POSITIONS

in oncology, immunology, microbiology, molecular and cellular biology. Available: July to September 1976. Prerequisites: U.S. citizenship, B-plus average, high GRE scores, and publications (Ph.D.'s only). In-quiries to: Dr. Sheldon Dray, Head, Department of Mi-crobiology, University of Illinois Medical Center, P.O. Box 6998, Chicago, Illinois 60680.

POSITIONS OPEN

The Department of Psychology at Cornell Universi-ty announces openings for a new faculty member, be-ginning August 1976 or later, in each of the following areas: HUMAN EXPERIMENTAL PSYCHOLOGY (doublement memory meticing theiring) NCFU (development, memory, motivation, thinking); NEU-ROPSYCHOLOGY (brain/behavior relationships); ABNORMAL PSYCHOLOGY (interactions with oth-ABNORMAL PSY CHOLOGY (interactions with oth-er problem areas, and teaching of psychopathology). Candidates at any level will be considered. Minority candidates are encouraged. Write to appropriate Search Committee, Department of Psychology, Uris Hall, Cornell University, Ithaca, N.Y. 14853, including complete curriculum vitae and two relevant reprints. Three letters from referees should be sent directly to the Search Committee. *An Equal Opportunity Employer*

PREDOCTORAL RESEARCH POSITIONS

Two positions available for studies on biochemistry of Two positions available for studies on biochemistry of trypanosomes. One position for student interested in function of terminal oxidases in electron transport sys-tems. Another position available for student interested in structure and function of kinetoplast DNA. Send let-ter indicating research interest and curriculum vitae with three references to: Dr. George C. Hill, Depart-ment of Pathology, Colorado State University, Ft. Col-lins, Colo. 80523. An Equal Opportunity/Affirmative Action Fundover Action Employer.

PSYCHOLOGIST—APPLIED PHYSIOLOGIST

The Kinesiology Department at Simon Fraser University has an opening for an assistant professor. Appli-cants should have a Ph.D. and developed research in-terests in motor learning, human factors, and applied physiology. The ideal applicant will be expected to teach undergraduate and graduate courses in motor learning and man-machine systems or ergonomics and learning and man-machine systems or ergonomics and to act as a focus for interdisciplinary research on man-machine systems and the psycho-physiological effects of environmental stress. To apply, send full curriculum vitae and the names of three referees to Dr. T. W. Cal-vert, Chairman, Department of Kinesiology, Simon Fra-ser University, Burnaby, B.C., Canada, V5A 1S6, from whom further details can be obtained.

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Duration: 1 to 5 years. Salary: depending upon qualifications.

Applications including curriculum vitae, list of publi-cations, and names of two referees should be sent to Dr. I. Adler Department of Genetics Gesellschaft für Strahlen- und Umweltforschung

Ingolstädter Landstrasse 1 D-8042 Neuherberg Federal Republic of Germany

SOCIOMEDICAL SCIENTIST—Associate professor (tenured), Columbia University School of Public Health. To provide leadership in graduate academic program in sociomedical sciences. To teach and do research in social deviance and social policy with respect to drug ane alcohol use and violence. Send résumé to **Box 520, SCIENCE.** An Equal Opportunity/Affirma-tive Action Employer.

VERTEBRATE PHYSIOLOGY

Position available for assistant professor beginning 1 Position available for assistant professor beginning 1 September 1976. Excellent opportunities for teaching and research. Teaching duties will involve courses in vertebrate physiology and human anatomy and physi-ology. In addition, graduate courses can be developed according to the expertise of the faculty member. Please send curriculum vitae, research interests, and the names of three references to the names of three references to:

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

SCIENCE, VOL. 190



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RESEARCH ASSOCIATE—Postdoctoral fellowship in experimental ocular and inflammatory diseases for an M.D. or Ph.D. with training and experience in im-munology. Position available from 1 January 1976 to 30 June 1977. Salary commensurate with experience. Reply to Dr. Theodore W. Sery, Director, Will's Eye Hospital and Research Institute, 1601 Spring Garden Street, Philadelphia, Pa. 19130. An Equal Opportunity Employer. Employer.

VIROLOGIST position available for 2-year study of diarrheal diseases in Bangladesh. Appointment in De-partment of Pathobiology dependent upon experience. Send applications to: Frederik B. Bang, M.D., Departi-ment of Pathobiology, The Johns Hopkins University School of Hygiene and Public Health, 615 North Wolfe Street, Baltimore, Maryland 21205.

VISION SCIENTIST, Ph.D.

Professional school faculty position open for person with experience as a vision science educator and re-searcher with knowledge in health professions educa-tion to direct Division of Visual Sciences. Curriculum responsibilities in physiological optics, geometric, physical, and ophthalmic optics, biostatistics and psyphysical, and ophthalmic optics, biostatistics and psy-chophysical methods, sensory modalities, and related topics. Personnel and budgetary management skills re-quired. Rank and salary commensurate with qualifica-tions. Position commences 1 July 1976. Apply by 1 February 1976 to John B. Siegfried, Ph.D., Chairman, Faculty Recruitment Committee, Pennsylvania College of Optometry, 1200 West Godfrey Avenue, Phila-delphia, Pennsylvania 19141. An Equal Opportunity/ Affementive Artion Employee Affirmative Action Employer.

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POSTDOCTORAL FELLOWSHIPS

Two (2) NRSA postdoctoral fellowships available in vision research. Appointments could begin August 1975 to June 1976. Preference given to candidates with a strong background in biochemistry, developmental biology, electron microscopy, or neurobiology. Two-year appointment, \$10,000 per annum. Send statement of background and research interest with three references to:

Dr. Gunter K. von Noorden Department of Ophthalmology Baylor College of Medicine Houston, Texas 77025

POSTDOCTORAL FELLOWSHIPS IN MARINE POLICY AND OCEAN MANAGEMENT

Applications are invited for 1-year postdoctoral fel-Applications are invited for 1-year postdoctoral fel-lowships from scholars and practioners from relevant fields in the natural sciences, social sciences, and man-agement who are interested in applying their dis-ciplinary training and experience to investigations into questions of marine policy and ocean management which require a significant component of marine sci-ence. Recipients of awards are expected to pursue re-search full time, basing themselves at Woods Hole.

Application and the basing interference at woods protection of the second process of the second process and the second process of the second process and the second process of the second proces of th vill be announced in April. Write for application forms to Dean of Graduate Studies, Woods Hole Ocean-ographic Institution, Woods Hole, Massachusetts 02543.

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FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP SURFACE SCIENCE GROUP

The position involves research on controlled thermonuclear reactor first-wall problems such as neutron sputtering, ion sputtering and blistering, sticking prob-abilities, and other surface-related materials problems. Consideration will be given only to those applicants who have a strong background in experimental surface science. Other relevant areas of expertise include metscience. Other relevant areas of expertise include met-allurgy, plasma physics and engineering, solid state physics, and reactor engineering. Applicants must qualify for ERDA clearance. Appointment is for 1 year with the possibility of renewal. Opportunities for even-tual permanent employment will be considered on an individual basis. Stipend range is \$12,000 to \$17,000 per year depending upon qualifications. Send résumé, including references, to Dr. O. K. Harling, Battelle Pa-cific Northwest Laboratory, Richland, Wash. 99352. Battelle is an Eaual Opportunity Employer. Battelle is an Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIPS IN HUMAN AND MEDICAL GENETICS

Training available in clinical, biochemical, immuno-Phalming available in initial, biothemetal, minimum logical, and population genetics. Candidates must have Ph.D., M.D., D.V.M., or comparable degree and be U.S. citizens or permanent residents. Fellowships will begin 1 July 1976. The stipend is \$10,000 to \$13,200, depending upon previous postdoctoral experience.

Send curriculum vitae and the names of three refer-ences to: Dr. Arthur G. Steinberg, Case Western Re-serve University, Cleveland, Ohio 44106.

POSTDOCTORAL FELLOWSHIP in immunochemistry. Good background in either biochemistry or immunology is required. Applicants should write to: Professor A. Nowotny, Department of Microbiology and Immunology, Temple University School of Medi-cine, Philadelphia, Pa. 19140. An Equal Opportunity/ Affirmative Action Employer.

THE HEBREW UNIVERSITY OF JERUSALEM THE FACULTY OF SCIENCE

Applications are invited for Postdoctoral Fellow-ships for the academic year 1976-77 in the fields of mathematics, physics, chemistry, life and earth sciences

The applicant is required to submit his application (in letter form) before 31 January 1976, together with his list of publications and curriculum vitae, containing details of his marital status, to the chairman of the Institute in which he is interested to carry out his re-search. Applications for postdoctoral research in earth sciences should be submitted to the appropriate head of department, that is, geology, geography, or atmospher-ic sciences. All applicants are requested to address copies of their correspondence to the Dean, Faculty of Science.

The applicant is further required to arrange for at least two letters of recommendation, from persons well acquainted with his personal and academic record, to be directed to the relevant chairman, or head of the Department, these recommendations to reach their destination by 31 January 1976.

The fellowship provides for a tax-free salary of IL The fellowship provides for a tax-free salary of 1L 24,000, which is payable in 11 monthly installments. The faculty usually allows for a single air ticket to Is-rael, and a similar allowance is made if the candidate leaves Israel on completion of his tenure as postdoctoral fellow

The fellowship is intended primarily for persons who attained their degree in very recent years, and for those who will complete all requirements for the Ph.D. de-gree before the autumn of 1976.

POSTDOCTORAL FELLOWSHIPS IN PAIN CONTROL

Letters of application are invited from pharmacolo-Letters of application are invited from pharmacolo-gists, other basic scientists, bioengineers, behaviorists, dentists, and others who are interested in postdoctoral training in clinical and basic research in the area of pain and its alleviation. Upon completion of the pro-gram the trainees will be qualified to be a productive member of a multidisciplinary team working on the control of pain in dental and other patients. Send cur-riculum vitae and bibliography to Dr. William L. Dewey, MCV Box 726, Medical College of Virginia, Richmond, Virginia 23298.

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FELLOWSHIPS

BIOCHEMISTRY POSTDOCTORAL FELLOW-SHIPS: Available immediately. Fields of study: en-zymic degradation of polysaccharides, synthesis of car-bohydrate-protein conjugates, naturally occurring en-zyme inhibitors. Salary about \$10,000. Applications with curriculum vitae and references to Dr. J. J. Mar-shall, Department of Biochemistry, University of Mi-ami, P.O. Box 520875, Miami, Florida 33152.

PREDOCTORAL FELLOWSHIPS AND TRAIN-EESHIPS: Graduate student stipends (\$4150 plus tui-tion and fees for first year) are available for highly qualified students interested in an interdisciplinary proqualified students interested in an interdisciplinary pro-gram in molecular cell biology. Major areas of research by large (40) faculty include animal virology, bacterial, viral, and somatic cell genetics, molecular and cell biol-ogy, biochemistry, cancer biology, cellular and devel-opmental immunology, membrane biology, connective tissue immunochemistry, mucopolysaccharide metabo-lism, and x-ray crystallography. Contact: Director of Molecular Cell Biology Graduate Program, Depart-ment of Microbiology, University of Alabama Medical Center, Birmingham, Alabama 35294. An Equal Op-notunity. Employer. portunity Employer.

REQUESTS FOR PROPOSAL

The environmental assessment of Alaska's outer continental shelf (OCS) will be expanded in the spring of 1976 into the northern Bering and Chukchi seas and of 1976 into the northern Bering and Chukchi seas and the Lower Cook Inlet and intensified in those geo-graphic areas where studies are now under way. This is a multidisciplinary applied research effort to assess the physical transport processes, and to evaluate the physi-ological and ecological effects of petroleum-related contaminants. These findings will be used to (i) estab-lish an environmental baseline for the region, against which extendeum endet mineater might be detected which petroleum-related impacts might be detected and assessed, and (ii) provide a basis for predicting the primary impact of petroleum development on the Alas-kan marine ecosystem.

The Requests for Proposals (RFP) for this expanded required. This work is scheduled to start 1 April 1976, and be completed by 30 September 1977. The following are brief summaries of the work required and the amounts allocated for each task:

1) Site-specific studies of populations, community structure, and ecology of marine birds. (\$60,000 per site.)

2) Synthesis of existing knowledge on the biota and ecology of Lower Cook Inlet, Alaska. (\$40,000 for 6-month contract.)

3) Analysis of potential impacts of OCS devel-opment on the Barrier Island-Lagoon ecosystems of the Beaufort Sea. (Phase 1: \$40,000; Phase 2: the Beauf \$500,000.)

4) Environmental risk assessment by means of impact scenarios for 11 Alaskan locations. (\$65,000 per location.)

5) Transport, retention, and effects of toxic petroleum hydrocarbons in experimental marine food chains. (\$150,000.)

6) Accumulation of organic constituents and heavy metals from petroleum-impact sediments by marine detritivores of the Alaskan OCS. (\$150,000.)

Those persons interested in participating in this pro-gram should request a copy of the NOAA RFP 2076 from:

National Oceanic and Atmospheric Administration Contracts Office Room 5532 325 Broadway Boulder, Colo. 80302

All proposals must be submitted by 26 January 1976.

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SCIENCE, VOL. 190

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The National Institute of Allergy and Infectious Diseases is seeking a new Associate Director for its Laboratories and Clinics Program. The incumbent will have overall responsibility for the operation of intramural laboratories for research in infectious diseases, allergy and immunology, for Clinical Research, and for the Rocky Mountain Laboratory. While duties are primarily scientific administration, some opportunity for personal research exists. A physician is sought but exceptionally qualified nonphysicians will be considered. Salary open depending on qualifications and eligibility for Civil Service appointment or a commission in U. S. Public Health Service.

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THE PATHOGENIC ANAEROBIC BACTERIA (2nd Ed.) by Louis DS. Smith, Virginia Polytechnic Institute and State University, Blacksburg. Foreword by Albert Balows. In this text, the author describes the anaerobic bacteria that are important in anaerobic infections of man and animals. Many topics are covered including the nonpathogenic bacteria found in clinical specimens, and morphological and cultural characteristics of each species. '75, 444 pp., 79 tables, \$26.75

DISEASES TRANSMITTED FROM ANIMALS TO MAN (6th Ed.) compiled and edited by William T. Hubbert, Louisiana State Univ., Baton Rouge; William F. McCulloch, Univ. of Missouri, Columbia; and Paul R. Schnurrenberger, Auburn Univ., Auburn, Alabama. (24 Consultants and 68 Contributors) The format of this Sixth Edition has been revised with emphasis on the ecologic and epidemiologic features of each disease. '75, 1236 pp. (7 x 10), 45 il., 98 tables, \$58.00

BIOLOGIC AND CLINICAL EF-FECTS OF LOW-FREQUENCY MAG-NETIC AND ELECTRIC FIELDS edited by J. G. Llaurado, A. Sances, Jr., and J. H. Battocletti, all of the Medical College of Wisconsin, Milwaukee. (50 Contributors) Effects of static and slowly changing magnetic and electric fields on communication processes in human, animal and plant life are discussed. Divided into six major sections, topics range from nuclear resonance applications to microwave radiometric techniques followed by questions and answers. '74, 384 pp. (6 $3/4 \times 9 \ 3/4$), 130 il., 36 tables, \$34.50

ECOPHYSICS: The Application of Physics to Ecology *by* James Paul Wesley, *Univ. of Missouri, Rolla.* This book contains original research on selected problems. Topics discussed include all possible sources of energy, thermodynamics, the competition of machines with carbon-based life, the stability of the carbon cycle in the ecosphere, and the territorial origin of human conflict. '74, 368 pp., 39 il., 8 tables, cloth-\$19.75, paper-\$13.75

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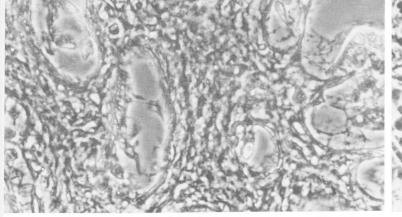
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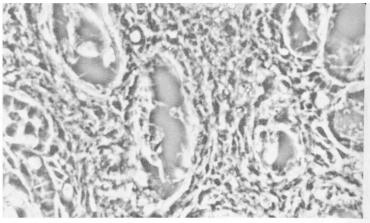
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