

Antisera

(for immunoassay)

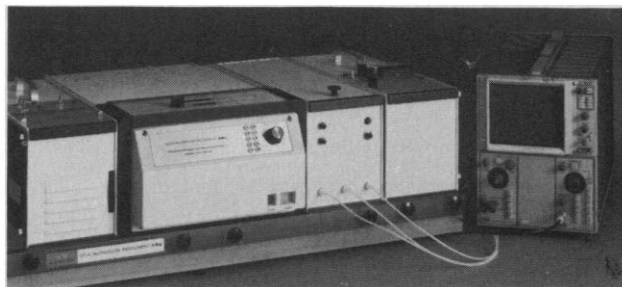
Aldosterone Angiotensin I Angiotensin II Cortisol Deoxycorticosterone Diphenylhydantoin Estradiol Estriol	Estrogen (E ₁ /E ₂) Human Chorionic Somatomammotrophin Human Growth Hormone Insulin Progesterone Prostaglandin F _{2α} Testosterone
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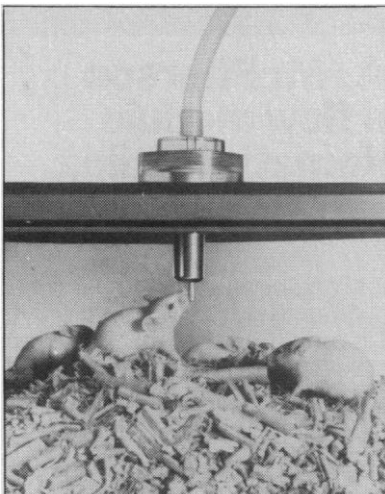
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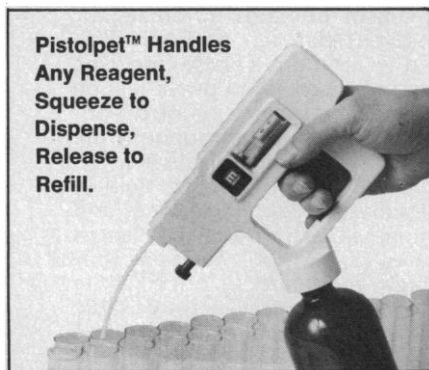
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Check the impressive list of positive advantages:

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Pistolpet™ Handles Any Reagent, Squeeze to Dispense, Release to Refill.



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The ethical issues of choice . . . the interrelationships of population size and economic development . . . the consequences of population growth . . . such are the issues debated in *Population: Dynamics, Ethics, and Policy*, a compendium now available from AAAS. It contains a selection of articles, research reports, and policy debates that originally appeared in *Science* during a 10-year time span beginning in 1966. Together these papers provide a close look at population research as conducted and reported by American scientists.

If you are involved in population research or policy planning, be sure to have a copy of this compendium in your library. Retail price \$12.95 casebound, \$4.95 paperbound; AAAS member price \$11.95 casebound, \$4.45 paperbound.

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AMERICAN ASSOCIATION for the ADVANCEMENT of SCIENCE
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Personnel Placement

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

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

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

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BLIND AD replies should be addressed as follows:

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

POSITIONS WANTED

Aquatic Biologist/Phycologist. M.S. Over 6 years in environmental consulting and research. Phytoplankton population dynamics, primary productivity, rooted aquatics, invertebrate pathobiology, impact assessments, quality control/assurance programs. Publications. Seeks industrial or teaching position. Prefers East Coast. Box 423, *SCIENCE*. X

Biochemist. Ph.D. 1964. Postdoctoral experience. Publications. Strong background in analytical and organic. Extensive experience in analytical methods development, protein chemistry, GLC, chromatographic separations. Seeks challenging academic or research position. Box 424, *SCIENCE*. X

Biochemist/Chemist (physiology), M.S., Ph.D., FAIC. Broad research interest and experience: college teaching, pharmaceuticals, clinical chemistry, environmental studies, instrumentation, toxicology, cancer. Desires responsible senior position in academia, hospital, or industry. Prefers East. Publications. Box 425, *SCIENCE*. X

Ph.D. in Clinical Psychology, recent NIMH postdoctoral fellow in psychophysiology, desires editorial and/or reportorial position dealing with behavioral sciences. Has a wide background in psychology; 4 years of college teaching, clinical experience, publications in several areas. H. K. Black, 4715 Sheboygan Avenue, Madison, Wisconsin 53705. X

Ethologist, Ph.D. 1976. Research in environmental effects on activity rhythms and migration. Interested in marine behavioral ecology. Publications, grants. Seeks academic or industrial position. Box 426, *SCIENCE*. X

Neurophysiologist/Neuropharmacologist, Ph.D., multidisciplinary background, research/teaching experience, publications, expertise in audiovisual teaching methods. Locate anywhere, academic and/or research. Box 411, *SCIENCE*. X

Physicist, Ph.D. (1975). Theorist with broad educational background and interests seeks position as an applied scientist or engineer. Fortran and assembly language programming. Some organic chemistry and electronics. Teaching experience. Box 427, *SCIENCE*. X

POSITIONS OPEN

ASSISTANT PROFESSOR Environmental Virologist

The Department of Microbiology and Cell Science at the University of Florida in Gainesville, Florida, has an opening for an assistant professor with a research interest in environmental virology. The position will have responsibility for developing a research program on the viral aspects of applying municipal wastes to land. Please send curriculum vitae and three letters of reference to **P. H. Smith, Chairman, Department of Microbiology and Cell Science, 1053 McCarty Hall, University of Florida, Gainesville, Florida 32611. The University of Florida is an Equal Opportunity Employer.**

BIOCHEMISTRY FACULTY. Two positions available 1 July 1977 for candidates with research aimed at the molecular basis of phenomena related to nucleic acids or membranes and cell surfaces. Appointments may be at any level including professor. Departmental instructional programs serve medical students, graduate students, and undergraduates. Send curriculum vitae and names of three references to **R. L. Lester, Department of Biochemistry, College of Medicine, University of Kentucky, Lexington, Kentucky 40506.** (Closing date: 1 November 1976.) *An Affirmative Action/Equal Opportunity Employer.*

BIOLOGIST

Position open 1 December 1976 to teach sophomore courses in human anatomy and physiology and freshman courses in general biology. Ph.D. is preferred. Rank depends upon qualifications; salary competitive. Radford College is a comprehensive state-supported, coeducational institution with active medical technology (B.S.) and nursing (B.S.) programs. Please send complete résumé, transcripts, and three recent recommendations with application to:

**Dr. Steve D. Chalgren, Chairman
Department of Biology
Radford College
Radford, Virginia 24142**

Radford College is an Equal Opportunity/Affirmative Action Employer.

BIOPHYSICIST

A full-time position at the assistant professor level will be available in the fall of 1977. Individuals are expected to conduct an active research program, to teach an introductory biophysics course, and to share a portion of the teaching duties in an introductory biology course. Applicants must have a Ph.D. and preferably 1 or 2 years of postdoctoral experience. Send curriculum vitae with names of three references to: **Dr. Dwight Wilson, Biology Department, Rensselaer Polytechnic Institute, Troy, New York 12181.**

An Equal Opportunity/Affirmative Action Employer

Position expected fall 1977—**CELL BIOLOGIST.** Applicants must hold Ph.D. degree and have had postdoctoral training in biochemical or biophysical cytology; evidence of research and teaching potential required. Contact:

**Chairman, Department of Biology
Temple University
Philadelphia, Pennsylvania 19122
An Equal Opportunity Employer**

CELL BIOLOGIST or BIOPHYSICIST for staff position in department emphasizing research in membranes or membrane-related phenomena. Candidate must be capable of establishing outstanding independent research program. Send curriculum vitae, references, and outline of research interest to **Martin Morrison, Ph.D., Chairman, Department of Biochemistry, St. Jude Children's Research Hospital, Memphis, Tennessee 38101.**

CHAIRPERSON, DEPARTMENT OF BIOCHEMISTRY. University of Pittsburgh School of Medicine. Applications and nominations are invited for the chairmanship of the Department of Biochemistry, University of Pittsburgh School of Medicine. Candidates should be internationally recognized scholars and investigators with demonstrated commitment to medical and graduate education. Curriculum vitae and bibliography may be submitted to: **Dr. Ernst Knobil, Department of Physiology, University of Pittsburgh School of Medicine, Pittsburgh, Pa. 15261. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

Chairperson

Department of Orthopedic Surgery

The University of Pennsylvania's Medical School invites nominations and applications for the position of chairperson, Department of Orthopedic Surgery. Responsibilities include academic, clinical, and administrative affairs for orthopedic surgery at the Hospital of the University of Pennsylvania. Applicant should be a qualified orthopedic surgeon and have related administrative and research experience. Respond to: **Dr. Harry Wollman, Chairman, Search Committee, Room 1411 Ravdin, Hospital of the University of Pennsylvania, Philadelphia, Pa. 19174. An Equal Opportunity Employer.**

Applications are invited for **CHAIRMANSHIP** of the Biology Department (nine faculty; over 110 undergraduate and graduate majors). Ph.D., demonstrated competency in research and teaching, and previous participation in the administrative affairs of a biology department required. Forward a statement of interest in the position, names and addresses of three references, and current curriculum vitae, by 1 December 1976 to **Dr. Luckett V. Davis, Biology Department, Winthrop College, Rock Hill, S.C. 29733. An Equal Opportunity/Affirmative Action Employer**

CHEMICAL ENGINEERING CHAIRPERSON POSITION. Candidates for the chairperson of the Department of Chemical Engineering at the State University of New York at Buffalo are being sought. Persons interested are invited to send their credentials, and persons wishing to nominate others are invited to send names and addresses to: **McAllister H. Hull, Jr., Dean, Graduate School, State University of New York at Buffalo, Buffalo, N.Y. 14214. The University is aggressively engaged in an Affirmative Action Program and is an Equal Opportunity Employer.**

CHAIRPERSON/HEAD, Food and Nutrition Department. College of Home Economics, Iowa State University. Doctorate in food science, nutrition, or closely related discipline. Evidence of excellence in teaching and research and of administrative ability required. Nominations due 1 October 1976; applications accepted until 1 November 1976, or until position is filled. Respond to **Dr. Charlotte Roderuck, 126 MacKay Hall, Iowa State University, Ames, Iowa 50011.**

Equal Opportunity/Affirmative Action Employer

CHAIRPERSON OF BIOCHEMISTRY

Applications and nominations are invited for the position of chairperson, Department of Biochemistry, New Jersey Medical School. The Department is a basic science department with responsibility for research and teaching of medical, dental, and graduate students. Candidates will be evaluated on the basis of their scientific stature, proven teaching ability, and administrative competence. Curriculum vitae and letters of reference should be sent to: **Dr. Friedrich P. J. Diecke, Chairperson, Biochemistry Search Committee, c/o the Office of the Dean.**

**College of Medicine and Dentistry of New Jersey
New Jersey Medical School
100 Bergen Street
Newark, N.J. 07103**

An Equal Opportunity/Affirmative Action Employer

DIRECTOR, ERDA LABORATORY AT UNIVERSITY OF UTAH

This laboratory, with a staff of 65, has achieved world recognition for its detailed evaluation of the metabolism and toxicity of radioactive elements, particularly plutonium when deposited within the body. Current and future research also involves the health effects of nonnuclear pollutants and other energy-related health problems. Applicants for the position should have strong research capabilities and demonstrated administrative talent. The opportunity exists for university faculty appointment commensurate with the interests and background of the director. Qualified candidates are invited to contact **Dr. J. Robert Stewart, Chairman, Search Committee, Department of Radiology, University of Utah, 50 North Medical Drive, Salt Lake City, Utah 84112. Telephone: 801-581-8793. An Equal Opportunity/Affirmative Action Employer**

POSITIONS OPEN

GRADUATE DEAN University of Wisconsin-Milwaukee

The University of Wisconsin-Milwaukee is the major urban university and one of two Ph.D.-granting institutions in the University of Wisconsin System. Present enrollment exceeds 25,000, more than 4,100 of whom are graduate students.

The graduate dean is the administrative head of the UWM unit that has overall responsibility for all graduate programs and records at the University as well as its Office of Sponsored Research. In addition, the dean serves as the chancellor's designate for the review and approval of applications for extramural funds, the administration of several UWM research centers and institutes, and the administration of the Great Lakes Research Facility for the University of Wisconsin System.

A deep understanding of the processes of scholarship and research and a familiarity with extramural funding are mandatory for the position. So, too, are teaching and research experience sufficient to merit an appointment as a tenured faculty member in a department at the University. Evidence of administrative capability and a capacity to work well with existing faculty governance structures are highly desirable.

Applications or nominations, with biographical information, should be sent before 1 November 1976 to:

**Walter I. Trattner, Chairperson
Search and Screening Committee for Graduate Dean
University of Wisconsin-Milwaukee
Bolton Hall 878, P.O. Box 413
Milwaukee, Wisconsin 53201**

An Affirmative Action/Equal Opportunity Employer

PHARMACY DEAN The Ohio State University

The Ohio State University in Columbus invites applications for the position of dean, College of Pharmacy. The University is the major Ohio campus for graduate and professional studies and the College of Pharmacy is one of the highest rated in the nation.

Candidates for this position, which will be open 1 July 1977, should have a professional degree and an earned Ph.D. in a pharmacy discipline, or have equivalent experience, and should have significant teaching experience, demonstrated scholarship and research ability, and evidence of administrative and leadership potential.

Nominations should be submitted by 1 November and applications by 15 November 1976 to **Dr. Richard H. Reuning, Chairman, Search Committee, College of Pharmacy, The Ohio State University, 500 West 12 Avenue, Columbus, Ohio 43210.**

An Equal Opportunity/Affirmative Action Employer

DEVELOPMENTAL BIOLOGIST

The Division of Biology, the University of Georgia, is seeking applicants for a position in the molecular aspects of developmental biology of eukaryotes. Rank and salary are open. Applicants must possess a Ph.D. degree, postdoctoral experience, and publications. Applicants who can successfully apply modern approaches to the study of developmental regulation in eukaryotes and who have the potential to make outstanding contributions to both teaching and research should send curriculum vitae, a detailed research plan, and three letters of recommendation before 15 November 1976 to **Samuel B. Jones, Division of Biology, Room 400, Biological Sciences Building, University of Georgia, Athens, Ga. 30602. An Equal Opportunity/Affirmative Action Employer.**

MICROBIOLOGIST

Individuals with research interest in physiological and biochemical mechanisms relevant to microbial infections are invited to apply for a position in the Department of Microbiology at the University of Georgia beginning September 1977. The successful candidate will be expected to develop an independent research program and teach a graduate course in the above area, as well as teach undergraduate microbiology. Postdoctoral experience is preferred. Applicants should submit a curriculum vitae, including reprints of major publications, and names of three references to **Dr. Arden O. Lea, Chairman, Search Committee, Room 400, Biological Sciences Building, University of Georgia, Athens, Ga. 30602, prior to 1 December 1976.**

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

POSITIONS OPEN

DIRECTOR OF SCIENTIFIC AFFAIRS

National trade association located in Washington, D.C., needs Ph.D. well grounded in biological sciences (toxicology) with strong background in chemistry and 3 to 5 years of experience. Candidate should have an interest in dealing with federal agencies at scientific levels and be capable of analyzing legislative-technical impact. High level of oral and written communications skills required, with some experience in professional journal editing desirable. Ability to work in a volunteer structure necessary. This position provides opportunity to interact on a technical-scientific level with all facets of the chemical industry. Reply in confidence to **Box 428, SCIENCE**.

DIRECTOR, REPRODUCTION-TERATOLOGY

The International Research and Development Corporation, a quality independent laboratory performing toxicological research on a contract basis, is seeking a scientist to direct the research program in its recently expanded reproduction and teratology department. A Ph.D. with applicable experience or an M.S. equivalent is required. Responsibilities include supervision of technical staff, protocol preparation, data evaluation, report writing, and client consultation.

If you are interested in a rapidly growing and aggressive company and would like to live in a desirable location in the Midwest, send your résumé (including salary history) to: **International Research and Development Corporation, Mattawan, Michigan 49071** (a few miles from Kalamazoo). **Attention: J. M. Ragen, Director of Personnel.** *An Equal Opportunity Employer.*

ECOLOGIST with IBP experience willing to spend 3 months visiting biome data centers with possible 12-month extension to help prepare a User's Guide to Biome Information Resources. Qualifications: graduate training in ecology and experience in transferring scientific information. Salary: commensurate with experience. Send queries and curriculum vitae to **Dr. A. Dexter Hinckley, The Institute of Ecology, 1315 16th Street, NW, Washington, D.C. 20036.** Telephone: 202-332-1712.

ENVIRONMENTAL BIOCHEMIST CALIFORNIA DEPARTMENT OF HEALTH

A biochemist is needed to help plan programs and carry out the developmental laboratory work necessary to provide carcinogenic screening of the California occupational environment. The program will include mutagenic screening procedures such as the Ames bacterial mutagenesis test to detect potential carcinogens. Measurements will be made on air samples, specific chemical compounds, and urine. The candidate should have a Ph.D. in biochemistry or related field and have an understanding of chemical carcinogenesis and screening techniques. The candidate must be an experienced laboratory worker with ability to supervise. Ability to write technical reports, develop research proposals, and give talks at scientific meetings is necessary. Appointment by competitive examination.

Minimum salary: \$23,544. Salary range: \$23,544 to \$28,452.

Send résumé to: **Jerome J. Wesolowski, Ph.D., Chief, Air and Industrial Hygiene Laboratory, California Department of Health, 2151 Berkeley Way, Berkeley, Calif. 94704.** Telephone: 415-843-7900, ext. 500.

An Equal Opportunity Employer

UNIVERSITY OF MASSACHUSETTS, AMHERST DEPARTMENT OF BIOCHEMISTRY

We are looking for a new faculty member for September 1977 and are especially interested in applicants with membrane-related research interests. Postdoctoral experience required. Appointment will probably be made at the assistant professor level. Applications including a curriculum vitae and an outline of future research should be submitted to: **Dr. Henry N. Little, Department of Biochemistry, University of Massachusetts, Amherst, Mass. 01002.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ELECTRON MICROSCOPIST—Ph.D. with experience in transmission electron microscopy, high resolution negative staining techniques, DNA spreading, and thin sectioning. To be in charge of departmental electron microscopy facility, provide EM service, and help teach EM course. Position is for an initial 2-year appointment, commencing June or September 1977, with potential for extension past that date. Research involvement with ongoing departmental studies. Send credentials, reprints, and three letters of reference to: **Dr. Richard Goldstein, Department of Microbiology and Molecular Genetics, Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.** *An Affirmative Action/Equal Opportunity Employer.*

ELECTRON MICROSCOPY TECHNICIAN—Immediate opening in EM—Fox Chase Cancer Center. B.S. degree in biology required. Must have at least 1 year of employment experience in EM. Excellent opportunity. Candidates should submit résumé, transcript, and letters of reference to: **Mary T. Dixon, The Institute For Cancer Research, 7701 Burholme Avenue, Philadelphia, Pa. 19111.** *Equal Opportunity/Affirmative Action Employer.*

DEPARTMENT OF ANATOMY UNIVERSITY OF CALIFORNIA, IRVINE COLLEGE OF MEDICINE

The Department of Anatomy has openings for one senior and four junior regular faculty appointments. Accomplishment in fields related to mammalian somatosensory systems will be strongly preferred. For the junior positions, 2 years of postdoctoral research experience is required. Teaching responsibilities will entail instruction of medical and graduate students in gross anatomy or histology. *Applications from all qualified candidates are welcome; women and minorities are encouraged to apply.* Applications must include a curriculum vitae, references, and copies (three to five) of published works. Send applications to:

**John E. Swett, Ph.D.,
Department of Anatomy
California College of Medicine
University of California
Irvine, California 92717**

FACULTY POSITION IN NATURAL RESOURCES

Faculty position available 1 January 1977 in the Department of Conservation and Resource Studies, University of California, Berkeley. Associate or full professor, depending on qualifications. Applicants should have a Ph.D., broad interests, and an established reputation in a resource conservation field. Competence in analytic concepts and methodology in resource-use problem-solving and a firm commitment to teaching undergraduates are necessary. The research and graduate teaching responsibility is to be assigned to the Department of Forestry and Conservation or an appropriate graduate department in the College of Natural Resources. Applicants should submit (before 1 November 1976) curriculum vitae, lists of publications, and the names of three references to:

**Professor Arnold M. Schultz
Department of Conservation and Resource Studies
University of California
Berkeley, California 94720**

The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are urged to apply.

The John B. Pierce Foundation of Connecticut, Incorporated, invites applications for the position of **HEAD** of its **Engineering Division**. The successful applicant is expected to continue an existing research program in the area of heat exchange between man and his environment and develop a program concerned with conservation of energy and other resources in the built environment. Applicants must be currently engaged in this area in a leadership position. The position includes appointment as Fellow of the Foundation and participation in the teaching and research activities of the Department of Engineering and Applied Science of Yale University. Qualified candidates are requested to apply, before 1 November 1976, to **Professor Charles A. Walker, Chairman of Search Committee, 301 Mason Laboratory, Department of Engineering and Applied Science, Yale University, New Haven, Conn. 06510.**

POSITIONS OPEN

**Department of Microbiology
College of Medicine
University of Arizona
Tucson, Arizona 85724**

FACULTY POSITIONS IN: VIROLOGY PATHOGENIC MICROBIOLOGY PARASITOLOGY

The duties include teaching of the College of Medicine and Graduate College students and pursuit of an active and productive research program. Applicants are sought who are knowledgeable in the broad health-related aspects of their discipline and whose research is directed toward the understanding of basic mechanisms at the molecular and cellular levels.

The faculty positions are at the junior or intermediate level in accordance with the experience and accomplishments of the applicant.

Please address inquiries, with curriculum vitae, to: **David Rifkind, Ph.D., M.D., Head.**

An Equal Opportunity/Affirmative Action Employer under state and federal laws and regulations including Title IX, 1972 Education Amendments.

HEAD

Department of Genetics and Cell Biology, College of Biological Sciences, University of Minnesota

Established scientist with proven research record sought to be department head, while maintaining an active research program. The department has 26 faculty members with broadly based research interests and has responsibility for administering strong graduate and undergraduate programs in genetics and cell biology. The department is located primarily in a new and well-equipped bioscience center and has adequate space and resources for expansion. Screening of applications will begin 1 October 1976, although applications will continue to be accepted after that date. Candidates should submit a curriculum vitae, list of publications, and the names of at least three references to: **Professor Huber Warner, College of Biological Sciences, 123 Snyder Hall, University of Minnesota, St. Paul, Minn. 55108.** *The University of Minnesota is an Equal Opportunity Employer.*

WANTED: Established **INVESTIGATOR** in viral and/or chemical oncology with interests in establishing in vitro carcinogenesis research programs in a hospital research setting. Ohio. Salary commensurate with experience. Send reply to

Box 386, SCIENCE

TWO JUNIOR RESEARCH POSITIONS in a 3-year epidemiologic study coordinating center, to start 1 October. **EPIDEMIOLOGIST**, doctoral level, study design and administration, chronic disease orientation preferred. **BIostatistician**, doctoral level, experience and training in epidemiology, experience with manipulation of large-scale computer files, statistical and epidemiologic packaged programs, incidental programming. Contact: **Frank J. Massey, Ph.D., School of Public Health, University of California, Los Angeles, Calif. 90024.** *An Equal Opportunity/Affirmative Action Employer.*

TWO POSITIONS: MOLECULAR BIOLOGIST AND MICROBIOLOGIST

Assistant professor, Ph.D. required, starting September 1977.

Molecular Biologist will be expected to teach molecular biology, cell biology, and related areas. Primary interest must be eukaryotic cell biology.

Microbiologist will be expected to teach introductory and upper-division microbiology courses.

Successful applicants will be expected to conduct an active research program. Application must include résumé, three letters of recommendation, and graduate and undergraduate transcripts. Applications should be received by 1 December 1976 and should be submitted to:

**Dr. W. J. Pitman, Chairman
Department of Biological Sciences
Murray State University
Murray, Kentucky 42071**

Oak Ridge Associated Universities
announces a conference on
**FUTURE STRATEGIES FOR
ENERGY DEVELOPMENT**

Oak Ridge, Tennessee
October 20-21, 1976

Oak Ridge Associated Universities (ORAU) announces an international conference on the fundamental direction of U.S. energy policy: big or small? The traditional position views large-scale central energy generation as the appropriate backbone of our system. In sharp contrast are those who believe the social and environmental costs of central energy generation are too great, lead times too long, capital requirements too large. Speakers include: Kenneth Boulding, Paul Craig, Wolf Haefele, C.S. Holling, Thomas Lee, Amory Lovins, Samuel Schurr, and Alvin Weinberg. The conference is being supported by the Rockefeller Foundation, Xerox Corp., and ORAU. \$90 fee includes proceedings, room and meals (\$35 for local participants). For information:

Energy Conference
ORAU
P.O. Box 117
Oak Ridge, TN 37830
Attendance is limited.

**CSIRO
DIVISION OF ENTOMOLOGY
CANBERRA, A.C.T.
RESEARCH SCIENTIST**

CSIRO has a broad charter for research into primary and secondary industry areas. The Organization has approximately 7000 employees, 2200 of whom are research and professional scientists, located in divisions and sections throughout Australia.

FIELD: taxonomy of Coleoptera.

GENERAL: the division carries out basic and applied research on many problems of economic importance, and is the main center in Australia for research on insects and related arthropods. The professional staff number over 120, including seven full-time and several part-time taxonomists. The division has facilities for photography and illustrating, a scanning and a transmission electron microscope, and direct access to a CDC76 computer. Good library facilities are also available.

DUTIES: the appointee will be responsible for curation and research on the Coleoptera section of the Australian National Insect Collection. The ANIC is a modern and comprehensive collection from all parts of the continent. Participation in faunal survey and identification services will be required.

QUALIFICATIONS: a Ph.D. degree or equivalent, research experience in taxonomy, preferably in the above field, and demonstrated research ability.

SALARY: senior research scientist or principal research scientist: A\$16,697 to A\$22,704 per year.

TENURE: indefinite with superannuation, or fixed term.

Applications stating full personal and professional details, the names of at least two referees, and quoting reference No. 180/817 should reach:

The Chief
CSIRO Division of Entomology
P.O. Box 1700
Canberra City, A.C.T. 2601
Australia

by 24 September 1976.

**UNIVERSITY OF HONG KONG
SENIOR LECTURESHIP IN PSYCHOLOGY**

Applications are invited for a post of Senior Lecturer in Psychology, tenable from September 1, 1977. Preference will be given to a candidate with special interests in the fields of perception and language (bilingualism). An interest in the history and philosophy of psychology would also be an advantage, as it is hoped that the successful applicant would take charge of teaching and research in these fields. The appointee will also be required to assist in the administration of the Department.

Annual salary (superannuable) is:—
HK\$85,740 × 3,720—115,500 (£1 = HK\$8.95 approx.). Starting salary will depend on qualifications and experience.

Further particulars and application forms may be obtained from the Association of Commonwealth Universities (Appts), 36 Gordon Square, London WC1H 0PF, or the Assistant Secretary (Recruitment), University of Hong Kong, Hong Kong.

Closing date for applications is **15 October 1976.**

**RESEARCH
ASSOCIATES**

Post-Doctoral Research Associates in soil and crop science, including crop physiology, genetics, soil physics, waste utilization and possibly other subdisciplines; one year with opportunity for second year; subject to performance and availability of funds; positions available at various times. Send biodata, transcripts and names of three references.

**RESEARCH
ASSISTANTSHIPS**

Half-Time Research Assistantships in all aspects of soil and crop sciences for year beginning August 1977 while studying for M.S. or Ph.D. For information and application materials, write to:

R. W. Howell, Head
W-201 Turner Hall

DEPARTMENT OF AGRONOMY
UNIVERSITY OF ILLINOIS

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Our continuous growth as a world leader in the production of radioactive chemicals, has resulted in new opportunities for outstanding professionals to develop within a technically stimulating environment.

MICROBIOLOGIST

PhD or relevant experience in MICROBIOLOGY or appropriate areas of MOLECULAR BIOLOGY is required for this position. Preference will be given to those candidates having familiarity with the regulation or metabolic pathways in bacteria.

This position requires an ability to generate new ideas and carry out work at the bench within the scope of predetermined interests of the MICROBIOLOGY group at New England Nuclear.

Duties will include improving technology including technology for biosynthesis, isolation and purification of various radioactive materials, as well as developing new labelled compounds. Candidates must be able to write technical reports and possibly supervise professional level personnel.

We anticipate compensating the most qualified candidates with a more than competitive salary and benefit program including tuition reimbursement and relocation costs. Interested and qualified applicants may submit their resume in complete confidence to Mr. John R. Chabot, Corporate Employment Manager, New England Nuclear Corporation, 549 Albany Street, Boston, MA 02118.



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POSITIONS OPEN

MARINE ECOLOGISTS

Postdoctoral positions (two) will be available 1 November 1976 at the University of Georgia Marine Institute. These positions will be in active research programs at the Marine Institute in association with faculty from the main campus. Candidates will be considered in marine ecology, including microbiology, estuarine, and salt-marsh ecology. The salary is \$12,500 for 12 months, renewable on an annual basis. Send résumé and names of three references to: **Dr. J. L. Gallagher, University of Georgia Marine Institute, Sapelo Island, Georgia 31327**, before 15 October 1976. *The University of Georgia is an Equal Opportunity/Affirmative Action Employer.*

Ph.D. MOLECULAR BIOLOGIST

CETUS CORPORATION, an exciting young research company in Northern California, is seeking a microbiologist for DNA cloning projects. Candidates must possess training and expertise in plasmid and/or bacteriophage biology. A background in construction and analysis of recombinant DNA molecules is highly desirable. We offer a career position with a progressive, growing company and excellent benefits. Salary commensurate with experience. An equal opportunity employer. Contact:

cetus
600 Bancroft Way
Berkeley, California 94710

NEUROANATOMIST. Medical school full-time faculty position with major responsibility teaching medical neurobiology. An active research program is highly desirable. Assistant professor rank; salary negotiable, starting 1 January 1977. Send application and three letters of recommendation to: **Dr. P. G. Iatridis, Director, Northwest Center for Medical Education, Indiana University School of Medicine, 3400 Broadway, Gary, Indiana 46408.** *Indiana University is an Equal Opportunity/Affirmative Action Employer.*

PATHOLOGIST or VETERINARY PATHOLOGIST interested and experienced in **rodent carcinogenesis**, willing to process data for publication and reports. Independent consulting laboratory in metropolitan Boston. Opportunity for participation in grant-supported nonprofit research.

Box 429, SCIENCE

TWO POSITIONS: Ph.D. in **physiology**, and Ph.D. in **anatomy** to teach students who are very enthusiastic and highly motivated. Starting salary is \$14,000. Please send curriculum vitae, stating when available for personal interview to: **Dr. Irene Gold, Sherman College of Chiropractic, P.O. Box 1452, Spartanburg, S.C. 29304.**

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE, invertebrate neurophysiology and behavior. Projects involve intracellular and extracellular recordings from identified neurons in semi-intact preparations as well as chronic recordings in intact animals. Major interests are in neuronal mechanisms of learning and neuroendocrine control of behavior. Send résumé and three letters of recommendation to: **Dr. Harold M. Pinsker, Marine Biomedical Institute, University of Texas, Medical Branch, Galveston, Texas 77550.** Position available immediately. *We are an Equal Opportunity/Affirmative Action Employer, M/F.*

POSTDOCTORAL POSITION. Immediate opening in tree genetics laboratory for recent Ph.D. with strong background in plant biochemistry and cell culture to study morphogenesis of coniferous tree species. Please send résumé and three letters of recommendation to: **Dr. T. Y. Cheng, Department of Chemistry, Oregon Graduate Center, 19600 N. W. Walker Road, Beaverton (Portland), Oregon 97005.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

POSTDOCTORAL POSITIONS

Two post-Ph.D. positions currently available for work in tumor and transplantation immunology and in the area of immediate hypersensitivity. Good background in protein chemistry advantageous for latter position. Please send curriculum vitae, reprints, and account of research training, and have letters of recommendation addressed to:

**Department of Immunology
Faculty of Medicine
University of Manitoba
Winnipeg, Manitoba, Canada R3E 0W3**

POSTDOCTORAL POSITION available immediately. Biochemist to study protein with enzyme inhibitor activity. Will investigate physical, chemical properties sequence mechanism of interaction. Send résumé or call **Dr. D. H. Strumey, Department of Biochemistry and Microbiology, Lipman Hall, Rutgers University, New Brunswick, N.J. 08903.** Telephone: 201-932-9522.

POSTDOCTORAL POSITION available immediately to carry out research involving the chemical characterization and biological function of unique membrane phosphoglycosphingolipids in plants and fungi. An individual having a Ph.D. in biochemistry or chemistry is preferred. Contact **Robert L. Lester or Roger A. Laine, Department of Biochemistry, College of Medicine, University of Kentucky, Lexington, Kentucky 40506.** *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION

Immediate opening for a candidate who has some experience in solubilization, and purification of membrane receptors, cell suspension, and culturing techniques. Starting salary, \$9500. Project time—at least 2½ to 3 years. Send résumé and references to: **Dr. Ch. V. Rao, Department of Obstetrics and Gynecology, University of Louisville, School of Medicine, 323 East Chestnut Street, Louisville, Kentucky 40202.**

POSTDOCTORAL POSITION available immediately for studies of the molecular properties of steroid-hormone receptors. Biochemical background, preferably in protein isolation and characterization or in fluorescence spectroscopy analysis of enzyme-ligand dynamics is necessary. Starting stipend \$12,000. Applicant should submit a curriculum vitae and have two letters of recommendation sent to:

**Dr. A. C. Notides
Department of Pharmacology
University of Rochester School of Medicine
601 Elmwood Avenue
Rochester, New York 14642**

FULL PROFESSORSHIP EXPERIMENTAL PHYSICAL CHEMIST

Starting fall 1977. No preference with respect to area of research interests. Contact **Harry B. Mark, Jr., Head, Department of Chemistry, University of Cincinnati, Cincinnati, Ohio 45221.** *The University is an Equal Opportunity/Affirmative Action Employer.*

UNIVERSITY OF CALIFORNIA, RIVERSIDE PROFESSOR OF STATISTICS AND CHAIRMAN, DEPARTMENT OF STATISTICS

Due to the impending retirement of Dr. F. N. David in June 1977, the University of California at Riverside is seeking a distinguished senior statistician to fill the position of professor and chairman of the Department of Statistics. The Department and its faculty (at present numbering ten professorial appointments and several lecturers) are strongly committed both to the theoretical development of statistics and to its interaction with other fields in which it is useful. The person sought will therefore have demonstrated abilities in both statistical theory and applications.

Applications should include full professional résumé and names of five references and should be sent to **Professor R. T. Wedding, Chairman, Search Committee, Department of Biochemistry, University of California, Riverside, California 92502.**

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

POSITIONS OPEN

PHYSIOLOGISTS

Applications for appointment as assistant professor are sought from qualified candidates working in physiology. *From the time of its original charter, the principle of the University has been to appoint scholars without regard to race, color, religion, sex, or national origin.* Applicants should submit résumés and significant publications, as well as arrange to have letters of recommendation sent directly to:

**Alfred Heller, Professor and Chairman
Department of Pharmacological and
Physiological Sciences
University of Chicago
947 East 58 Street
Chicago, Illinois 60637**

PROFESSOR AND HEAD DEPARTMENT OF MICROBIOLOGY

Responsibilities to be fulfilled: direct the education, research, and training programs of the Microbiology Department in the College of Medicine.

Qualifications desired: Ph.D. and/or M.D. degree, or equivalent, and a demonstrated scholar and leader in microbiology.

Salary: appropriate for qualifications and responsibilities for a professor and head of microbiology. Excellent fringe benefits.

Employer: *the University of Iowa is an Equal Opportunity Employer.*

Application: interested persons are invited to direct inquiries and submit curriculum vitae to:

**Dr. Peter Isacson, Professor and Head
Department of Preventive Medicine
and Environmental Health
106 Medical Laboratories Building
College of Medicine
University of Iowa
Iowa City, Iowa 52242**

PROGRAM HEAD in psychology and human development. The School of Human Development also includes programs in special education, communication disorders, and The Callier Center for Communication Disorders.

Qualifications: Ph.D. and appropriate experience in teaching and research. Demonstrated ability in the administration of research grants or in academic affairs is required. Candidates should have maintained substantial research programs in some aspect of life span developmental psychology: social, personality, cognitive, or neurobiological. Interdisciplinary and/or broad professional experience is expected.

The University of Texas at Dallas combines a 2-year, upper-division undergraduate curriculum with graduate programs. The psychology program offers the M.S. degree in human development and the master of arts in teaching. A Ph.D. program in human development is pending.

Indication of ethnicity and sex for Affirmation Action statistical purposes is requested but not required. Send curriculum vitae and letter of salient interest by 1 February 1977 to:

**Dr. Alexander L. Clark
Vice President for Academic Affairs
The University of Texas at Dallas
P.O. Box 688, Mail Station AD 11
Richardson, Texas 75080**

The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer.

PROTEIN BIOCHEMIST

Proficient in column chromatography, gel electrophoresis, analytic biochemistry, radio-isotope-labeling techniques. Position as assistant or associate research biochemist, UCLA Bone Research Laboratory. Contact **Susan McCarthy at 213-825-6521.**

The Department of Ophthalmology, University of Texas Health Science Center at Dallas, wishes to announce a position available for a **PSYCHOLOGIST** or **PHYSIOLOGIST** interested in electrophysiological measurement of the visual system. Rank, salary, and beginning of appointment are open.

For information, write **Dr. John R. Lynn, Chairman, Department of Ophthalmology, University of Texas Health Science Center at Dallas, 5323 Harry Hines, Dallas, Texas 75235.**

CSIRO
DIVISION OF HUMAN NUTRITION
ADELAIDE, S.A.

RESEARCH SCIENTIST (TWO POSITIONS)

CSIRO has a broad charter for research into primary and secondary industry areas. The Organization has approximately 7000 employees, 2200 of whom are research and professional scientists, located in divisions and sections throughout Australia.

GENERAL: The Division of Human Nutrition was established in 1975 at the Adelaide laboratories of the former Division of Nutritional Biochemistry. The Division is continuing to develop its biochemical and physiological studies with programs in inorganic nutrition and human metabolism and digestion. Under the direction of the chief, Dr. B. S. Hetzel, a new epidemiological program is being established to investigate nutritional problems at the community level.

1) REF: PG250/243—NUTRITIONAL BIOCHEMIST

FIELD: human metabolism and digestion.

DUTIES: to work in a program on the role of dietary factors, including plant fiber, in the etiology of human disorders which may be related to events within the gastrointestinal tract. An initial aim is to develop animal models appropriate to the study of lipid and bile acid metabolism.

2) REF: PG250/244—BEHAVIORAL SCIENTIST

FIELD: nutrition and human ecology.

DUTIES: in collaboration with an epidemiologist and a nutritionist, to initiate studies of nutrition in adolescent and young adult populations based on surveys of food intake and drinking habits.

QUALIFICATIONS: training and experience in an appropriate discipline, including a Ph.D. degree or equivalent qualification, and demonstrable research achievement. For position 250/244, experience in questionnaire development and special knowledge of human psychology or medical sociology are desirable.

SALARY: research scientist/senior research scientist: A\$13,031 to A\$19,202 per year.

TENURE: indefinite with superannuation, or fixed-term appointment.

Applications stating full personal and professional details, with the names of at least two referees and quoting either reference No. 250/243 or 250/244, should reach:

The Chief
CSIRO Division of Human Nutrition
Kintore Avenue
Adelaide, S.A. 5000
Australia

by 24 September 1976.

ASSOCIATE DIRECTOR

Mineral and Materials Research and Development

GS-1301-18

\$37,800

The Bureau of Mines, U.S. Department of the Interior, is accepting applications for the position of Associate Director—Mineral and Materials Research and Development, located in Washington, D.C. The Associate Director is the principal executive responsible for direct line management of the Federal Government's research and development programs related to the extraction, processing, use and disposal of minerals and mineral fuels.

The Associate Director manages a 130 million dollar research and development program through inhouse research and outside contracts at 13 research installations located throughout the United States. This official directs the work of 2100 scientific, technical and administrative personnel, many of national and international stature, in an effort to increase the Nation's self-sufficiency in minerals and mineral fuels without sacrificing the health and safety of the related industrial work force.

Candidates must demonstrate a progressive career as a scientist/engineer in mining and mineral processing technology, have a recognized professional reputation and possess considerable managerial experience in planning and directing a multi-disciplined research program for a large organization.

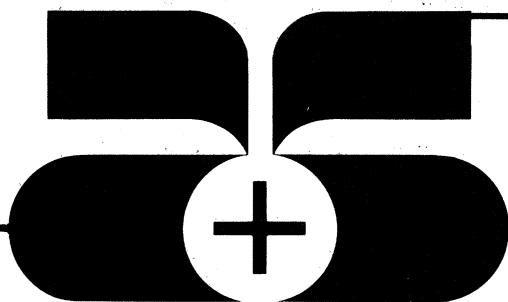
Applications and resumes are being accepted by the Chief, Branch of Personnel Operations, Division of Personnel, Bureau of Mines, Washington, D.C. 20241 and should be submitted by October 15, 1976. Additional information is available by calling Richard R. Harrison or John D. McGurk on (202) 634-4716.



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1. TERENIUS, L. and WAHLSTROM, A., *Acta Pharmacol. tox.* 35, Suppl. 1, 55, (Abstract only) 1974.
2. TERENIUS, L. and WAHLSTROM, A., *Acta Physiol. scand.* 94, 74-81, 1975.

3. HUGHES, J., *Brain Res.*, 88, 295-308, 1975.
4. HUGHES, J., SMITH, T. W., KOSTERLITZ, H. W., FOTHERGILL, L. A., MORGEN, B. A. and MORRIS, H. R., *Nature*, 258, 577-9, 1975.

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POSITIONS OPEN

WANTED: Ph.D. **RESEARCH ASSOCIATE** with postdoctoral experience in cell culture and biochemistry. Experience in electron microscopy preferred. Interests in carcinogenesis with mammalian epithelial systems. Salary commensurate with experience. Ohio. Send reply to **Box 385, SCIENCE**.

RESEARCH BIOCHEMIST JOSLIN DIABETES FOUNDATION, INC.

Established biochemical investigator, M.D. or Ph.D. degree, or both, to participate in research into the causes and treatment of diabetes, particularly B-cell metabolism, and to participate in teaching and training of medical students and postdoctoral fellows. Affiliated with Harvard Medical School.

Organization: a private, nonprofit, nonsectarian Foundation chartered in Massachusetts dedicated to diabetes research, education, patient care, and youth programs. *An Equal Opportunity/Affirmative Action Employer.*

Application: send curriculum vitae, bibliography, and names of three potential references to **George F. Cahill, Jr., M.D., Director, Elliott P. Joslin Research Laboratory, One Joslin Place, Boston, Massachusetts 02215.**

RESEARCH BIOCHEMIST

Immediate opening in Division of Nuclear Medicine, University of Arizona Medical Center. Ph.D. or M.S. in biochemistry. Position involves fractionation and characterization of radiolabeled antineoplastic agents. Experience using Sephadex column chromatography, electrophoresis, or ultracentrifugation is desirable. Experience in radiochemistry is not a prerequisite. Salary is commensurate with degree and experience; funding provided by NCI contract with expected duration of 3 years. Interested applicants should submit curriculum vitae and three letters of reference to: **James M. Woolfenden, M.D., Division of Nuclear Medicine, University of Arizona Medical Center, Tucson, Arizona 85724.** *An Equal Opportunity/Affirmative Action Employer.*

RESEARCH MEDICINE SCIENTIST

We seek a research physician with training in nuclear medicine, physiology, pathology, or surgery. Research program includes in vivo investigation of brain, myocardium, pancreas, and liver metabolism using new radiopharmaceuticals and unique instrumentation. Range of work includes nuclear medicine research, development of radioimmune assays, metallo-organic compound in vivo studies, cancer detection, and basic work in new methods of cancer therapy such as hyperthermia, high pressure hydrogen, and heavy ion radiation. Clinical work limited to research patients.

Send résumé to: **Thomas F. Budinger, M.D., Ph.D., Henry Miller Professor of Medical Research, Donner Laboratory, University of California, Berkeley, Calif. 94720,** with copies to **Dorita Crosby, Personnel Office, Lawrence Berkeley Laboratory, Berkeley, Calif. 94720.** *An Equal Opportunity Employer, M/F.*

The Center for Population and Family Health, Columbia University, seeks a **RESEARCH METHODOLOGIST** with experience in domestic family planning program research, medical sociology, demography, or epidemiology. Strong background in research design and methodology, statistics, and data processing required. Send curriculum vitae to: **Dr. Allan Rosenfield, Center for Population and Family Health, Columbia University, 60 Haven Avenue, New York, N.Y. 10032.** *Columbia University is an Equal Opportunity/Affirmative Action Employer.*

RESEARCH POSITION

Requires Ph.D. or M.D. with research experience in virology, cell culture, or molecular biology (minimum of 2 years postdoctoral experience). Will participate in research on biology and biochemistry involving intracellular control of gene expression of murine RNA tumor viruses. Liberal fringe benefits. Send curriculum vitae and salary requirements to: **Tim Schick, Employment Manager, Litton Bionetics, Inc., Kensington, Md. 20795.**

Equal Employment Opportunity, M/F

POSITIONS OPEN

SENIOR ECONOMISTS. Energy Resources Company Inc., an energy and environmental R & D firm, has openings for senior economists. An advanced degree and experience in one or more of the following areas is required: industrial organization, electrical utility economics, microeconomics, and energy economics. Send résumés to: **Energy Resources Company Inc., Personnel Department, 185 Alewife Brook Parkway, Cambridge, Mass. 02138.** *An Equal Opportunity Employer, M/F.*

RESEARCH PROFESSOR in Energy and Atmospheric Environment Center to provide supplementary leadership in areas of expertise. Requires experience in areas of aerosol physics, atmospheric photochemistry, physical meteorology especially as related to clouds and fog, development of instrumentation; a demonstrated record of recent success in securing government or industrial contracts and in administering the activities of an R & D group; and Ph.D. or equivalent experience. Minimum starting salary \$26,000. Deadline for applying: 30 September 1976. Send résumé to **Twyla Harrison, Personnel Department, Desert Research Institute, University of Nevada System, P.O. Box 60220, Reno, Nevada 89506.** *An Affirmative Action/Equal Opportunity Employer.*

RESEARCH SUPPORT SPECIALIST

B.S. degree minimum plus experience with radioimmunoassay, small mammal surgery, and stereotaxic implantation. Please send résumé to **Dr. Jack W. Hudson, 122 Langmuir Laboratory, Cornell University, Ithaca, New York 14853.**

An Equal Opportunity Employer, F/M.

SENIOR POSITION

Applications are invited for a senior faculty position in the neurosciences in the Department of Anatomy, Wayne State University School of Medicine, starting in 1976 or 1977. Primary teaching responsibility will be in neuroanatomy. The applicant should have a funded ongoing research program. Salary commensurate with qualifications. Applicants should send a curriculum vitae, bibliography, names of three references, and a statement of research plans to **Dr. Harry Maisel, Department of Anatomy, Wayne State University School of Medicine, 540 East Canfield, Detroit, Michigan 48201.** *An Equal Opportunity/Affirmative Action Employer.*

TISSUE CULTURE/ULTRASTRUCTURE

Applications are invited for individual to head tissue culture component in interdisciplinary research involving stimulus-secretion coupling in mammalian pancreatic islets. Appropriate junior faculty appointment and some teaching. Additional background in ultrastructure desirable. Please send curriculum vitae, publications list, and names of references to **Dr. Norbert Freinkel, Director, Center for Endocrinology, Metabolism, and Nutrition, Northwestern University Medical School, 303 East Chicago Avenue, Chicago, Ill. 60611.** *Northwestern University is an Equal Opportunity/Affirmative Action Employer.*

VETERINARIAN—An exceptional opportunity for a veterinarian to participate in the safety assessment of new drugs. Orientation toward research with emphasis on clinical observation on laboratory animals in the areas of toxicology is required. Competence in writing scientific reports and experience working with laboratory animals would be desirable. Roche offers an outstanding total compensation and benefits package. Our modern facilities and research environment stimulate professional growth. Please send résumé in confidence to: **Edward C. Meseck, Associate Employment Manager, Hoffmann-La Roche Inc., Nutley, New Jersey 07110.** *An Equal Opportunity Employer, M/F.*

WILDLIFE BIOLOGIST—Ph.D. in wildlife management or related field. Rank and salary open, commensurate with experience. Teaching and advising in the wildlife curriculum at the undergraduate and graduate level. Active involvement in research expected. Send résumé and three letters of reference by 31 December 1976 to **Dr. John Kelley, Division of Biology, Kansas State University, Manhattan, Kansas 66506.** *An Affirmative Action/Equal Opportunity Employer*

TRAINEESHIPS

POSTDOCTORAL TRAINEESHIPS IN NUTRITIONAL BIOCHEMISTRY-DENTAL HEALTH: Postdoctoral traineeships are available in an NIDR-funded interdisciplinary program of research in nutritional biochemistry with an emphasis on problems related to oral biology and dental health. Research interests of the training staff include calcified tissue metabolism, trace element metabolism, fat-soluble vitamin metabolism, amino acid metabolism, and blood coagulation. Trainee stipends range from \$10,000 to \$14,000 per year. The program is open to holders of Ph.D. or dental degrees, and applicants with D.D.S. or Ph.D.-D.D.S. degrees are particularly invited to apply. For information and application forms, contact **J. W. Suttie, Department of Biochemistry, University of Wisconsin-Madison, Madison, Wisconsin 53706.** *The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL TRAINEESHIPS

Selected trainees participate in research on **cardiovascular/respiratory/cellular and/or biochemical mechanisms in altered metabolic states** with opportunity to work with faculty in biochemical, physiological, pharmacological, and bioengineering research in molecular, cellular, organismal, and/or intact animals. Supported in part by: National Service Award for Research Training. To apply for fellowships, send résumé and three letters of recommendation to: **Dr. X. J. Musacchia, Director, John M. Dalton Research Center, University of Missouri, Columbia, Missouri 65201.**

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FELLOWSHIPS

FELLOWSHIPS—Postdoctoral training in allergic and immunologic diseases now available. Applicants must have a terminal degree. Fellowships renewable yearly for a total of 3 years. Send curriculum vitae to **Robert M. Stroud, M.D., Professor of Medicine, University of Alabama in Birmingham, Birmingham, Alabama 35294.**

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POSTDOCTORAL FELLOWSHIPS

Available for research on mechanism of cell-mediated immunity and/or tumor immunology. Positions are open for recent Ph.D. graduates (immunology or biochemistry) or M.D. graduates (prior residency training in pathology preferred but not required). Stipend range is \$12,000 to \$14,000 per year. Address inquiries to: **Dr. Stanley Cohen, Professor and Associate Chairman, Department of Pathology, University of Connecticut Health Center, Farmington, Conn. 06032.**

An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIP—NIH postdoctoral fellowship (to \$13,200) immediately available for **biochemist** to study collagen biosynthesis in human connective tissue disease. Emphasis will be on structural studies and enzymatic modification (hydroxylation, glycosylation, and cross-linking). U.S. citizen or permanent resident. Send curriculum vitae and three letters of reference to **Sheldon R. Pinnell, M.D., Department of Medicine, Box 3135, Duke University Medical Center, Durham, N.C. 27710.** *Equal Opportunity Employer.*

An NRSA postdoctoral training program in diabetes and endocrinology at the University of Iowa offers research training in the following areas: (i) mechanisms of hormone action, (ii) experimental and clinical diabetes, (iii) hormonal regulation of cell replication, (iv) reproductive endocrinology, and (v) epidemiology of breast cancer. Two fellowships are available beginning 1 July 1977. Candidates who hold an M.D. or a Ph.D. degree and who are U.S. citizens or permanent residents should address inquiries (preferably with curriculum vitae) to **Dr. Daryl Granner, Department of Internal Medicine, University of Iowa, Iowa City, Iowa 52242.** *We are an Equal Opportunity/Affirmative Action Employer.*

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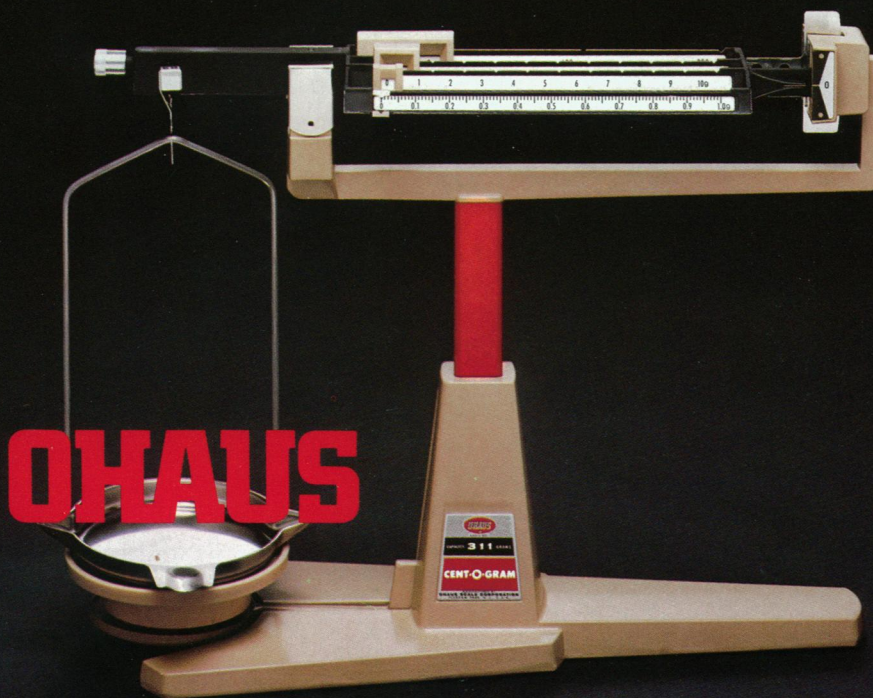
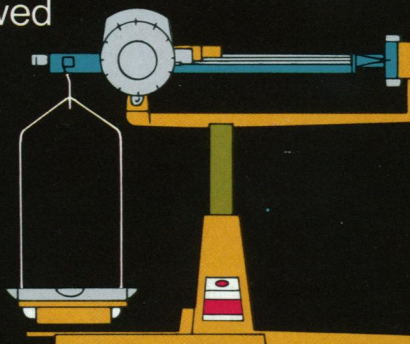
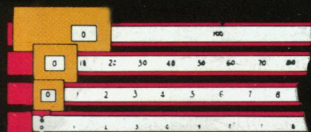
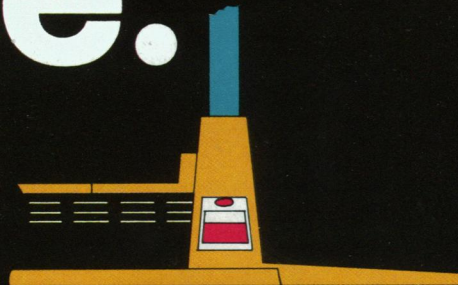
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