NEW X-Y recorder
2/3 fewer parts

Spartan X-Y recorders deliver big new benefits. A revolutionary mechanical design eliminates more than ½ of the moving parts to boost reliability and performance. Parts reduction = cost reduction = more value per dollar. Spartan X-Y is stripped for OEM or dedicated use, or fitted with multi-range and time base for lab use. Features: 45°/sec or faster slewing speed, lifetime conductive plastic pot, disposable fiber-tip pen/ink unit, vacuum holddown, back-lighted grid alignment, op amp solid state electronics, 11" x 17" (or A3). 5 ranges: 1 MV to 10V/in. 6 time bases: 0.01 to 2.0 in/sec. (* or equivalent metric.) Request Bn. E 510 from Esterline Angus Instrument Corporation, Box 24000, Indianapolis, IN. 46224. 317/244-7611.

Circle No. 575 on Readers' Service Card

Scientific Freedom and Responsibility

A timely report on a complex set of issues . . .

What conditions are necessary to give scientists and engineers the freedom and responsibility to speak out on the critical problems facing us today? What criteria and procedures are needed to allow for objective, impartial study of conflicts concerning scientific freedom and responsible scientific conduct?

Scientific Freedom and Responsibility, a new report from AAAS, responds to these and other questions that have emerged as science and technology increasingly intersect areas of social and ethical concern. If you are concerned with the problems of professional and personal responsibility as they relate to your work, you will want to add this report to your library.

To order your own copy of this paperbound report (ISBN 0-87168-224-9; 1975, xiv + 50 pp.), send $3.45 retail price or $2.95 AAAS member price (prepaid) to:

AMERICAN ASSOCIATION for the ADVANCEMENT of SCIENCE—Department SFR-1
1515 Massachusetts Avenue, N.W.
Washington, D.C. 20005

Circle No. 523 on Readers' Service Card
**Personnel Placement**

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

**POSITIONS WANTED:** 40c per word; use of Box Numbers counts as 10 additional words. Minimum charge $15. Prepayment required. This rate applies to individuals only; personnel agencies and companies take display rate for all advertising.

**DISPLAY (POSITIONS OPEN, MARKET PLACE, AND SO FORTH):** $110 per inch, minimum (1 inch equals one-fourth page). Rates per inch: for 3x1½ in. Prepayment required for foreign advertising. Purchase orders and billing information must accompany 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

**POSITIONS WANTED**

**Physiologist, Ph.D. 1962. Seeks academic or industrial position. Interests: respiratory, circulatory systems; environmental physiology; systems analysis, bioinstrumentation, artificial organs. Experience: research, teaching, administration. Box 500, SCIENCE. X**

**Physician-Epidemiologist-Journalist: Ph.D. 1967. MPH (epidemiology), and 7 years of journalism experience, including newspaper reporting and present position as award-winning writer/editor of an international quarterly science magazine. Writing and reporting on current medical and industrial research for professionals. University research and teaching experience; investigating and interviewing skills. Good with words. Seeks a more challenging position along present lines, but will consider other proposals that would employ all these attributes. Box 489, SCIENCE. X**

**Immunohistologist/ Protein Chemist: Ph.D. 1962. Experience in coagulation, immunology, and immunochemical structure. RIA, HAI, sequence analysis experience. Seeks position in university, medical center, or industry. Salary, location open. Box 498, SCIENCE. X**


**APPLIED DEVELOPMENTAL PSYCHOLOGISTS, Positions in learning/developmental problems and aging. Require 3–4 years' laboratory experience with young children. Apply from a position recently filled. To: Herbert R. Connally, Department of Psychology, University of Maryland, Baltimore County, 5401 Wilkens Avenue, Baltimore, Md. 21228. An Equal Opportunity/Affirmative Action Employer. X**

The Faculty of Medicine of the Memorial University of Newfoundland, St. John's, Newfoundland, invites applications for a position in MEDICOSCOPY & RADIATION BIOLOGY. Preference is given to applicants with a Ph.D. in Physiological Sciences, but applicants with a degree in other health sciences will be considered. The successful candidate will be responsible for the operation of a combined GC / low resolution MS computer system which will be primarily for research, but will also be available for identification of toxic substances in body fluids. Her or his teaching role will include general biochemistry, and medical and teaching medical science in a course that is integrated with other aspects of cell biology. An annual travel allowance is provided. Research space will be available in association with Dr. James C. Orr, who will join the faculty on 1 December 1975. Applications should include a curriculum vitae, along with names of three referees, and be addressed to: Dr. James C. Orr, Associate Dean, Basic Medical Sciences, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada, A1C S5T. For the duration of the Canadian postal strike, address correspondence to: Memorial University of Newfoundland, c/o General Delivery, Post Office, Houton, Maine 04730, U.S.A.

Candidates are required for an opening at the ASSISTANT PROFESSOR level in the Department of Medicine, Division of Hematology. The candidate will be expected to develop innovative research in hemonucleic acid metabolism. Experience in research, teaching, and clinical medicine are required. Candidates should submit curriculum vitae, a resume of future research plans, and the names of three referees. Box 502, SCIENCE. X

Columbia University is an Equal Opportunity/Affirmative Action Employer.

If outstanding candidates can be located, the Physics Department of the University of California, Berkeley, will operate an expanded postdoctoral program. The program involves several aspects of physics. A number of appointments at the ASSISTANT PROFESSOR level. The preferred fields are solid state experimental physics, experimental astrophysics, and particle physics. It is probable that no appointment will be made before 1 July 1977, although an earlier date is conceivable. Applications should be made to: George W. Wetherill, Physics Department, University of California, Berkeley, Calif 94720, giving current curriculum vitae, publication list, and description of research with University of California is an Affirmative Action Employer. Minority and women candidates are encouraged to apply.

University of Utah invites applications for two ASSISTANT PROFESSORS in analytical and organometallic chemistry, respectively. Teaching and postdoctoral research experience are preferred qualifications. Duties, to begin autumn 1976, will involve under-graduate and graduate teaching as well as supervision of graduate research. The candidates will be expected to develop vigorous research programs while maintaining high pedagogical standards. Curriculum vitae, transcripts of undergraduate and graduate credits, research plans, and letters of recommendation from three scientists familiar with the applicant’s qualifications should be mailed to: Robert C. Smith, Chairman, Environmental Chemistry, Department of Chemistry, University of Utah, Salt Lake City, Utah 84112, before 15 January 1976. An Equal Opportunity/Affirmative Action Employer.

**APPLICATIONS WANTED**

**ASSISTANT PROFESSOR IN BIOCHEMISTRY. A position is available in the Biochemistry Division for a highly qualified scientist with research interests in one or more of the areas of biochemistry, immunology/medical chemistry (mechanisms or applications), ultrastucture, or physical biochemistry of macromolecules. In addition to her/his research, the appointee must also be qualified to teach general chemistry. The applicant should submit a biographical sketch including publication list, references, and a statement of the future of her/his research, and the names of three people who can be contacted for letters of reference. Correspondence should be addressed to Dr. J. Norman Hansen, Biochemistry Search Committee, Department of Chemistry, University of Maryland, College Park, Maryland 20742. An Equal Opportunity Employer. X**

**DEPARTMENT OF ENTOMOLOGY UNIVERSITY OF CALIFORNIA, RIVERSIDE**

A full-time position at level of assistant entomologist and assistant professor will be available 1 July 1976. Duties will involve 90 percent basic and applied research on insect pest management of vegetable crops in southern California and 10 percent teaching, including graduate student supervision. The Ph.D. is required. Applicants should have training in applied entomology, ecology, insect toxicology, and statistics. Closing date for applications is 1 February 1976. Box 487, SCIENCE. X

The University of California, Irvine, Department of Pathology, is recruiting for a faculty position at the ASSOCIATE PROFESSOR OR PROFESSOR level with additional responsibilities in the area of CLINICAL PATHOLOGY of the Long Beach Veterans Administration, a University teaching hospital. Candidates must be M.D.'s with at least five years of practice experience in the administration of clinical laboratory technology. Teaching responsibilities include medical laboratory technology, basic clinical chemistry, and parasitology training programs. Expected to develop independent research activities. Experience in the operation of clinical laboratories is necessary. General requirements: applications from all qualified candidates are welcome; minorities and women are encouraged to apply. Send curriculum vitae before 1976 to:

Dr. Edward R. Aquilla, Chairman
Department of Pathology
University of California, Irvine
Irvine, California 92717

**ASSOCIATE DEPUTY CHIEF ADMINISTRATOR FOR HEALTH AND ECLOGICAL EFFECTS**

The U.S. Environmental Protection Agency is seeking a manager with a strong background in ecological research and evaluation of a large multidisciplinary research and development office. This position is in the Planning and Evaluation Branch of the EPA's Office of Research and Development and the mission of the office is to develop and health and ecological data needed for the establishment of standards and criteria for those components of the environment in which specific pollutants or activities may require control; determine the fate, transport, and exposure effects of environmental pollutants, and evaluate the methods and models for analyzing the socioeconomic impact of environmental degradation; assess the environmental and socioeconomic impact of proposed policies, programs, and plans; and coordinate Agency policies and programs related to carcinogens and similar agents. Candidate must have a bachelor's or higher degree (preferably Ph.D.) with major study in ecological, biological, or physical sciences and extensive experience relating to the above.

Location: Washington, D.C.
Salary range: $36,338 to $37,800 plus Civil Service benefits.

**Contact:** Please send detailed résumé or a complete copy of current standards and qualifications statements, which can be obtained from any federal government personnel office, to reach EPA no later than 31 December 1975, to:

Mr. Carl K. Eilers (PM-212)
Personnel Management Division
Environmental Protection Agency
Washington, D.C. 20460

An Equal Opportunity Employer.
The Johns Hopkins University. A position of ASSISTANT PROFESSOR in the field of physical chemistry (experimental or theoretical) will be available on 1 July 1976. Applicants are invited to submit curriculum vitae and arrange for three letters of recommendation to be sent at the time application is made. Materials should be addressed to: Dr. Dean Robinson, Physical Chemistry Search Committee, The Johns Hopkins University, Baltimore, Maryland 21218. The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT RESEARCH BIOCHEMIST/CHMIST. A position is available at UCLA Mental Retardation Research Center for a biostatistician. Responsibilities include statistical analysis of data from research studies, development of models of research designs, and evaluation of tests of hypotheses from research studies. A Ph.D. or equivalent qualification is required. UCLA is an Equal Opportunity/Affirmative Action Employer. Deadline: 1 February 1976. An Equal Opportunity Employer. Applications from women and members of minority groups are encouraged.

BIOCHEMIST-MICROBIOLOGIST—The Department of Biology at the University of California, Santa Barbara, invites applications for positions at the biochemist-microbiologist level. Research areas of interest include: biochemistry, cell biology, and immunochemistry. Positions are available immediately. A Ph.D. or equivalent qualification is required. Applications should be addressed to: Dr. R. J. McLaughlin, Chairman, Department of Biology, University of California, Santa Barbara, California 93106. An Equal Opportunity/Affirmative Action Employer. Deadline: 1 January 1976. (This is an extension of a previously announced deadline.) Letters of reference should not be sent until requested. The University of California is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF CALIFORNIA

DEPARTMENT OF BIOLOGICAL SCIENCES

Faculty position. Effective 1 July 1976. Applications are sought from FRESHWATER BIOLOGISTS with research interests in such fields as secondary productivity, ecology of freshwater systems, community structure, and so forth. Any combination of field, laboratory, or theoretical approaches will be considered. The appointee would join a group of freshwater and marine biologists and ecologists in a general biology department. The appointee would be expected to develop a program of research and teaching in aquatic biology and at the graduate level in the area of the appointee's special interests. We seek excellence in research and teaching and salary depending on qualifications and experience. Applications with curriculum vitae, list of publications, names of references, and a research statement should be sent to: Chairman, Department of Biological Sciences, University of California, Santa Barbara, California 93106. The University of California is an Equal Opportunity/Affirmative Action Employer.

BIOLOGISTS

VIRGINIA COMMONWEALTH UNIVERSITY

The Department of Biology invites applications for five or more positions available in August 1976, pending budgetary approval. Positions involve teaching with an opportunity for research. Persons sought should have a doctorate and be able to teach general biology and one or more of the following disciplines: cell biology, plant ecology, general ecology, microbiology, animal behavior, experimental vertebrate embryology, and aquatic ecology (macrobenthos). Applicants should state teaching and research interests. Send curriculum vitae and three letters of reference to: Dr. Miles F. Johnson, Department of Biology, Virginia Commonwealth University, Richmond, Virginia 23284. An Equal Opportunity/Affirmative Action Employer.

BIOLOGY DEPARTMENT AT UCLA

Opening for a faculty member with research interests in one or more of the following areas: evolution of prokaryotic, cellular, or biochemical aspects of plant development. Teaching duties at the undergraduate and graduate levels in related areas. Applicants should have postdoctoral research experience. Provide a curriculum vitae noting research and teaching interests and include names of three referees from whom references can be requested. Send materials to: Chairman, Biological Department, University of California, Los Angeles, California 90024. Deadline: 1 February 1976. An Equal Opportunity Employer. Applications from women and members of minority groups are encouraged.

BIOENGINEERING & BIOMECHANICS

POSTDOCTORAL POSITION

The Orthopaedic Biomechanics Laboratory at the University of Cincinnati has an immediate opening for a postdoctoral position with strong interest and experience in the musculoskeletal system. The successful candidate will participate in a number of research projects including mechanical studies of soft tissue, and development of new diagnostic devices to evaluate ligamentous injuries. Tenure is for two years with a stipend of $10,000. PhD. or equivalent in biomechanics required. Interested candidates should send resume and two letters of recommendation to Dr. Edward S. Goed, Orthopaedic Biomechanics Laboratory, College of Medicine, University of Cincinnati, Cincinnati, Ohio 45267. An Equal Opportunity/Affirmative Action Employer.

BIOMEDICAL ENGINEERING FACULTY

The Department of Biomedical Engineering at Boston University College of Engineering invites applications for tenured positions at the following levels: assistant or associate professor. Ph.D. in engineering or physiology with experience, to organize and teach a new research program in biomaterials. Excellent research opportunities through joint appointment at Medical School or other department of the university. Salary and benefits negotiable. Also adjunct professor for part-time teaching of biomedical, biophysics, or other biomedical engineering courses. Descriptions of interests to: Dr. R. J. McLaughlin, Chairman, Department of Biomedical Engineering, Boston University College of Engineering, 110 Cummings Street, Boston, Massachusetts 02115. Boston University is an Equal Opportunity/Affirmative Action Employer.

BOTANIST/ECOLOGIST

At the University of South Dakota at Springfield, To teach in and aid the development of a 2-year career-oriented biotechnical program. An Equal Opportunity Employer. Send letter and curriculum vitae to: Michael Foss, University of South Dakota, Springfield, S.D. 57062

CELLULAR IMMUNOLOGY

MOLECULAR VIROLOGY

The cancer research program of the Department of Pathology, University of Kentucky, Lexington, Ky. 40506. An Equal Opportunity Employer.

CHEMIST

Undergraduate teaching of basic and organic chemistry to premedical students at a liberal arts college in an urban New England city. Private university. Deadline for applications is 15 February. Box 501, SCIENCE

COMMUNITY ECOLOGIST

Fall 1976. Assistant professor, Ph.D. Active research program and teaching. Send résumé, statement of teaching philosophy, and three letters of recommendation to: C. F. Rodell, Department of Biology, Vanderbilt University, Nashville, Tenn. 37235. An Equal Opportunity/Affirmative Action Employer.
CONTRASTIVE PSYCHOLOGIST. Assistant professor, 9-month salary approximately $12,000. Opening spring fall 1976. Ethology, evolution, orientation. Research essential. Fieldwork or primateology a plus. Responsibilities include teaching psychology at graduate and undergraduate levels. Other courses open. Selecting curriculum vitae, transcripts, and three references for: Joseph Bloudeau, Search Committee, Department of Psychology, Tulane University, New Orleans, La., 70118. Apply by 15 Feb. 1976. Tulane University is an Equal Opportunity Employer.

DEAN OF ARTS AND SCIENCES
State University of New York at Binghamton

We are searching for a Dean of the Graduate School of Arts and Sciences of Harpur College, which includes 360 faculty positions and is the largest unit at the University Center. Credentials should be received by 17 December 1975.

Search Committee for Dean of Arts and Sciences
State University of New York
Binghamton, New York 13901

DEAN, SCHOOL OF ALLIED HEALTH PROFESSIONS, position available, 1 July 1976. Qualifications: administrative, teaching, clinical, and research experience at Ph.D. or equivalent level. Responsibilities include teaching 32 credit hours per year, $35,000. Application deadline: 1 March. Equal Opportunity Employer. Contact: Dr. Ann B. Trotter, 757 Fidders, University of Wisconsin Milwaukee, Milwaukee, Wis. 53201.

ENVIRONMENTAL COORDINATOR
The U.S. Agency for International Development, Department of State, has need for an environmental coordinator to provide professional and managerial leadership in the planning, development, coordination, and accomplishment of environmental policies and programs for the foreign assistance program.

Location: Washington, D.C.

Salary: $36,338 to $71,549

Qualifications: Minimum M.S. (Ph.D. preferred) or equivalent experience in one of the physical or biological sciences with major academic emphasis on natural resource management or environmental protection plus a minimum of 4 years of senior experience with a public or private organization in those fields. Experience with U.S. government agencies is especially desirable. Willingness to travel overseas and U.S. citizenship required. Application must be received by 2 January 1976.

HOW TO APPLY: Send résumé with salary history or Personal Qualifications Statement (SF-171) to James J. Reilly, Recruitment Officer, Personnel and Manpower, Washington, D.C. 20523. AID is an Equal Opportunity Employer.
The Department of Genetics at the John A. Burns School of Medicine, University of Hawaii, has two tenable positions available. The first is for a medical geneticist who must be qualified to teach medical students both basic and clinical genetics and whose research interests reflect in metabolism and who should preferably have the M.D. degree. The second is for a population geneticist who must be qualified to teach population genetics at the graduate level and whose research interests are preferably in behavior genetics.

Both candidates will be expected to participate in graduate training in the Human Genetics Training Program.

The second position has already been advertised at the assistant professor level (Science, 17 October) and the first is expected to be at the associate or full professor level. Deadline: 31 December 1975. Applications should be sent to: Dr. John A. Hunt, Department of Human Genetics, University of Hawaii, Biological Sciences Building A-110, 690 East-West Road, Honolulu, Hawaii 96822. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS IN PLANT CELL BIOLOGY AND MOLECULAR GENETICS

The School of Life Sciences, University of Nebraska, Lincoln, is advertising positions for an assistant or associate professor in plant cell biology and one in molecular genetics. Applicants will be expected to conduct research in these areas and to participate in teaching and advising at both undergraduate and graduate levels. Qualifications must include the Ph.D. degree plus appropriate postdoctoral experience. Starting date about 1 September 1976. Applications should be sent to: Dr. R. V. Kloc, School of Life Sciences, University of Nebraska, Lincoln, Nebraska 68588, before 31 December 1975. The University of Nebraska is an Equal Opportunity/Affirmative Action Employer.

GENERAL PHYSIOLOGIST

An opening at the assistant professor level is available September 1976 for a general physiologist with research interests in the physiology of excitable cells at the cellular-molecular level. Candidates will be expected to share in the instruction of a course in physiology for advanced undergraduates and graduate students, and in the development and strong independent research program. A Ph.D. degree and postdoctoral experience is desirable. Exceptional qualifications may lead to appointment at higher academic rank.

Applications and three letters of recommendation by 15 January 1976 to: John Schaefer, Ph.D., Biology Department, Tufts University, Medford, Mass. 02155.

Tufts University is an Equal Opportunity/Affirmative Action Employer. Applications from minority group members and women are encouraged.

POSITIONS OPEN

The Department of Biology, Syracuse University, anticipates an opening for a geneticist at the level of assistant or associate professor for fall 1976. Ph.D. required. Postdoctoral experience desirable; up to 3 years of prior teaching will be credited toward tenure. Three-year renewable appointment. Applicants are expected to have a PhD and be in residence at the time of appointment. The College of Arts and Sciences, Syracuse University, is an Equal Opportunity/Affirmative Action Employer.

INVERTEBRATE ZOOLOGIST to teach under-graduate courses in invertebrate zoology, parasitology, and introduction to biology. Research encouraged; area open. Assistant professor rank with possibility that it may become permanent, September 1976. Send three letters of reference, curriculum vitae, and transcripts to: Search Committee, Department of Biology, St. Louis University, St. Louis, Mo. 63103, by 1 February. An Equal Opportunity/Affirmative Action Employer.

DEPARTMENT OF LIFE SCIENCES UNIVERSITY OF PITTSBURGH

Applications are invited for a number of positions available in a newly organized Department of Life Sciences formed by merger of existing Departments of Biochemistry, Biology, and Biophysics and Microbiology, with Dr. M. Sussman as chairman. Areas of interest include immunology, animal virology, genetics, chromosome structure and function in eukaryotes, and systems analysis of ecological problems. Applicants should have a demonstrated background in creative and productive research capability, as well as excellence in teaching. Successful applicants will be expected to participate in graduate and undergraduate teaching and to establish vigorous research programs with grant support. Rank and salary will be commensurate with the qualifications of the applicants. Curriculum vitae and the names of at least three referees should be sent to: Dr. T. G. Cooper, Department of Biochemistry, Faculty of Arts and Sciences, University of Pittsburgh, Pittsburgh, Pennsylvania 15261. Deadline for receipt of applications is 10 January 1976. The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.

A manager is being sought for the Data Acquisition Facility of the Medical College of Virginia-Virginia Commonwealth University System Computer Center which provides real-time research computing services to a number of laboratories and surface physics research areas at the Medical College of Virginia. The principal resource is a Sigma 6 computer.

The incumbent should possess at least a Master's degree in science or engineering and have a minimum of 3 years' experience in broad computer systems. Some biomedical and administrative experience would be helpful. Resume may be sent to: DAF Manager Search Committee Box 16 Medical College of Virginia Station Richmond, Virginia 23298

MANAGER OR DIRECTOR MOLECULAR ViroLOGY LABORATORY

Experience in viral oncology essential

Send résumé to: Dr. Vincent Groupp Scientific Director

Life Sciences Research Laboratories 2900 72nd Street North

St. Petersburg, Florida 33710

An Equal Opportunity Employer

NUTRITIONAL SCIENCES FACULTY POSITION

Professor or Associate Professor. Ph.D. in nutritional sciences required. Expected to participate in the teaching of human nutrition at the undergraduate and graduate levels. Ph.D. in human nutrient metabolism or human nutrition required. Send resume to: Earl Shrago, M.D., Chairman, Search Committee, Department of Nutritional Sciences, 1270 Lincoln Drive, University of Wisconsin, Madison, Wisconsin 53706. An Equal Opportunity/Affirmative Action Employer.

PHYSICIST

The University of Michigan Dearborn announces a faculty opening in physics at the assistant or associate professor level commencing September 1976. Applicants must be a firm contender for the Ph.D. in physics at the undergraduate level. A Ph.D. is required, and previous teaching and postdoctoral experience will be considered. Application will be especially welcome from theorists or experimentalists who complement the present faculty research interest in atomic, molecular, solid-state, and environmental physics.

Send curriculum vitae and three letters of recommendation to: Faculty Search Committee, College of Arts and Sciences, University of Michigan-Dearborn, 4901 Evergreen Road, Dearborn, Michigan 48128. A nondiscriminatory, Affirmative Action Employer.

PHYSIOLOGY-ANATOMY-EMBRYOLOGY. Assistant professor or higher positions in which responsibilities may include teaching in anatomy, embryology, physiologic principles, histology, and histogenetics. Applicants should have at least an M.D. or Ph.D. degree. Salary will be commensurate with qualifications. Send curriculum vitae and references to: C. E. Hertzler, University of Wisconsin-Madison, Department of Anatomy, 600 Highland Avenue, Madison, Wisconsin 53706.

A biologist with experience in genetics and evolutionary biology is needed for the Department of Biology, University of Wisconsin-Milwaukee, to fill a position at the rank of assistant professor. Applicants should have at least an M.S. degree in biology and must have a strong background in the field of evolutionary biology. The Department is seeking a biologist who is interested in teaching introduction to biology and introductory genetics, and who is willing to develop courses in this area. The department has a strong graduate program in biological sciences and offers a Ph.D. degree in ecology and systematics. The successful applicant will be expected to participate in the teaching program and to conduct independent research that is consistent with the mission of the University of Wisconsin-Milwaukee. Salary is negotiable. Please send a letter of application, a detailed curriculum vitae, and names and addresses of three references to: Dr. C. E. Hertzler, University of Wisconsin-Madison, Department of Biology, 1150 W. Pabst Blvd., Milwaukee, Wisconsin 53233.

Applicants should have a Ph.D. or M.D. degree and a curriculum vitae and references to: Dr. R. J. Siegel, Director of Research and Development, Milwaukee Blood Center, Inc., 763 North 18th Street, Milwaukee, Wisconsin 53233.

POSTDOCTORAL POSITIONS

(1) Basic Immunologist to conduct research on endocrine influences on immune function with emphasis on the role of milk.

(2) Immunologist to study immunogenetics of human histocompatibility antigens including LDL and la markers.

Candidates should have either a Ph.D. or M.D. degree and a curriculum vitae and references to: Dr. R. J. Siegel, Director of Research and Development, Milwaukee Blood Center, Inc., 763 North 18th Street, Milwaukee, Wisconsin 53233.

POSTDOCTORAL RESEARCH—PHEROMONES

Two positions are available immediately. Duration is 1 year with the possibility of renewal for an additional year. Salary is $11,500.

One position requires an organic chemist to work with a number of ongoing biological investigations. The other requires a biologist having a particular interest in protists or any invertebrate group that has medical significance, veterinary, or agricultural importance. Applicants should submit academic transcripts, curriculum vitae, and names of three references, and statement of research interests to: Dr. H. S. Seid, Division of Invertebrate Zoology, Department of Entomology, University of California, Riverside, California, 92502. The University of California, Riverside, is an Equal Opportunity/Affirmative Action Employer.

12 DECEMBER 1975

1135
POSTDOCTORAL POSITION
MAMMALIAN CELL CULTURE
An immediate opening to study silicon and carcinogen-induced experimental cell growth, biochemistry, enzymatic assays, isotopic techniques. Position available for 3 years; salary $17,700 per year. Send curriculum vitae and three letters of reference to Dr. E. Volcaen, SIO University of California, La Jolla, Calif. 92093. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
OPENING FOR A RECENT PH.D. WITH EXPERIENCE IN ENZYMOCHEMICAL AND TOXICOLOGICAL ASPECTS OF NATIVE AND ARTIFICIAL BIOMIMETIC MEMBRANES. Send curriculum vitae, 2 letters of references to Dr. W. McClain, Department of Bacteriology, University of Wisconsin, Madison, Wisconsin 53706. Equal Opportunity/Affirmative Action Employer in compliance with Titles 6 and 9.

POSTDOCTORAL POSITIONS
Two postdoctoral positions available for research on the biochemical and physiological effects of halogenated antibacterial agents on mammalian systems.

1) Biochemist: Ph.D. in biochemistry to study interactions of macromolecules with proteins, enzymes, and biological membranes.

2) Biochemical Pharmacologist: Ph.D. in biochemistry or pharmacology to study the pharmacological and toxicologic effects of antibacterials and their metabolites, especially on the nervous system.

Salaries up to $11,000 will be dependent on experience and qualifications. Applications with curriculum vitae naming three references should be sent to:

Dr. Donald R. Boehler
Environmental Health Sciences Center
Oregon State University
Corvallis, Oregon 97331

The closing date on these positions is 15 January 1976.

An Equal Opportunity/Affirmative Action Employer.

PROFESSOR
Division of Engineering and Applied Physics of Harvard University is considering an appointment to a tenure faculty position (at the level of full professor) in the field of biomechanics. The responsibilities of this position include teaching, supervision of doctoral research, and the development of educational and research programs. Candidates should possess a broad general competence in one or more of the following fields: applied mechanics, engineering, biology, physical chemistry, or related areas. Applicants should have demonstrated teaching ability and recent research publications. The successful candidate should demonstrate the potential for national and international leadership in the field of biomechanics. Applications are now being accepted.

Applications and/or letters of nomination (with full professional vita) should be sent by February 1, 1976, to:

Gene D. Lewis, Provost
Attn: A&S Search Committee
101 Administration Bldg.
University of Cincinnati
Cincinnati, Ohio 45221

An Equal Opportunity/Affirmative Action Employer.

The University of Kansas Medical Center invites nominations and applications for the position of PROFESSOR AND HEAD of the Department of Anatomy. This position requires sound leadership ability as well as experience in teaching, administration, and research in anatomical sciences. Inquiries, including a curriculum vitae, should be sent to: Joseph A. Kopits, M.D., Chairman, Search Committee, University of Kansas Medical Center, Kansas City, Missouri 66103.

An Equal Opportunity/Affirmative Action Employer.
**TOXICOLOGIST**

Armour-Dial’s new research facility in Scottsdale, Arizona, has an opportunity for a toxicologist to establish and manage a small animal toxicology laboratory.

If you have a Ph.D. in Toxicology, Pharmacology, or Physiology, or a D.V.M., and 1-3 years general laboratory experience with small animals, you can contribute to an activity of growing importance in our research and development effort. Experience in an animal laboratory for acute toxicity testing of raw materials, cosmetics, drugs and/or household products would be especially desirable.

The right candidate will manage the toxicology laboratory, assist in the design of chronic toxicity studies, evaluate data, prepare reports and actively participate in our medical, regulatory and toxicological team.

To explore this opportunity further, write and tell us about your achievements, career goals and salary requirements.

**NEUROSCIENCE ADMINISTRATOR**

A position is open for a Health Scientist Administrator at the National Institute of Neurological and Communicative Disorders and Stroke, Neurological Disorders Program, Bethesda, Maryland.

Experience should include at least three postdoctoral years in neuroscience research in addition to 1 year postdoctorate experience in research program administration. Incumbent will be responsible for administration of grants that support research on disorders of the nervous system. Salary range, $19,386 to $26,861, depending upon specific qualifications of applicants.

Forward Standard Form 171 (available from Personnel Office, NINCDS, Bethesda, Md. 20014, any Federal Civil Service Office, or U.S. Post Office) no later than December 31, 1975 to:

Ms. Bonnie Kalberer, Personnel Officer
Bldg. 31, Room 8A-25
National Institute of Neurological & Communicative Disorders and Stroke
NATIONAL INSTITUTES OF HEALTH
Public Health Service
Bethesda, Md. 20014

An Equal Opportunity Employer

**NEUROSCIENCE**

**BASIC PRINCIPLES OF NEUROSCIENCE**

William D. Willis, Jr. and James Blankenship

Edited by Harold M. Pinsker
University of Texas Medical Branch, Galveston

Each unit contains approximately 50 color slides, a 45-minute (approx.) cassette and a script. The level is advanced undergraduate/graduate.

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<td>Electrical Model of the Membrane</td>
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<td>Electrophysiology of Nerve Fibers</td>
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<td>Basic Sensory Mechanisms</td>
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Additional information is available from

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