

vices, U.S. Atomic Energy Commission, Washington, D.C. 20545)

11-12. Industrial Applications of Microprocessors, Inst. of Electrical and Electronics Engineers, Philadelphia, Pa. (R. W. Bolz, Automation for Industry, Inc., 627-D Alpha Drive, Cleveland, Ohio 44143)

11-13. Developments in Power-Systems Protection Conf., Institution of Electrical Engineers, London, England. (IEE, Savoy Pl., London, WC 2R)

12-14. Particle Accelerator Conf.—Accelerator Engineering and Technology, American Physical Soc., Natl. Science Foundation, and U.S. Atomic Energy Commission, Washington, D.C. (J. E. Leiss, Center for Radiation Research, Natl. Bureau of Standards, Washington, D.C. 20234)

12-15. Neurosurgical Soc. of America, San Diego, Calif. (S. N. Chou, Univ. of Minnesota Medical School, Minneapolis 55455)

13-14. Symposium on Infections of the Fetus and the Newborn Infant, Natl. Foundation—March of Dimes, New York, N.Y. (NF—MD, 622 Third Ave., New York 10017)

13-15. Texas Radiological Soc., Abilene. (F. E. O'Neill, 1128 Nix Professional Bldg., San Antonio, Tex. 78205)

13-19. American College of Allergists, Bal Harbour, Fla. (E. Bauers, 2100 Dain Tower, Minneapolis, Minn. 55402)

14-16. National Medicolegal Symp., American Medical Assoc. and the American Bar Assoc., Las Vegas, Nev. (AMA Office of the General Counsel, 535 N. Dearborn St., Chicago, Ill. 60610)

14-16. National Wildlife Federation, Pittsburgh, Pa. (T. L. Kimball, NWF, 1412 16th St., NW, Washington, D.C. 20036)

15. American Association for the Advancement of Science, Lancaster Branch, Millersville, Pa. (A. C. Hoffman, Dept. of Biology, Millersville State College, Millersville 17551)

16-18. Association for the Advancement of Medical Instrumentation, Boston, Mass. (F. Keutman, AAMI, Suite 417, 1500 Wilson Blvd., Arlington, Va. 22209)

16-19. American Assoc. of Dental Schools, San Francisco, Calif. (B. F. Miller, AADS, 1625 Massachusetts Ave., NW, Washington, D.C. 20036)

16-20. International Anesthesia Research Soc., Hollywood, Fla. (B. B. Sankkey, 3645 Warrensville Center Rd., Cleveland, Ohio 44122)

17-19. Conference on Pathobiology of Invertebrate Vectors of Disease, New York Acad. of Sciences, New York, N.Y. (Conf. Dept., NYAS, 2 E. 63 St., New York 10021)

17-20. National Assoc. for Research in Science Teaching, Los Angeles, Calif. (P. Bell, College of Education, Pennsylvania State Univ., State College 16801)

17-20. Thin Films Conf. on Surfaces, 9th, Inst. of Physics, Warwick, England. (Meetings Officer, IP, 47 Belgrave Sq., London, SW1X 8QX, England)

18-20. Conference on Micro-Electron Beam Technology for Fabrication, Recording and Dynamic Inspection, Inst. of Physics, Cambridge, England. (Meetings Officer, IP, 47 Belgrave Sq., London, SW1X 8QX, England)

20 DECEMBER 1974

New Leitz inverted microscope.



The new Leitz Diavert was designed to meet the special requirements of inverted microscope applications.

It is exceptionally stable, with a base area of 627 cm² and a mechanical structure of rigid aluminum castings.

The Diavert is convenient. For instance, the 164 x 160mm stage and focusing knobs are positioned low, for better visibility and less operator fatigue. In addition, the image moves in the same direction as the specimen. And the transmitted light lamp moves with the stage so it doesn't have to be refocused when you change the specimen plane. Also, long working-distance condensers, up to 64mm, give you plenty of room above the stage.

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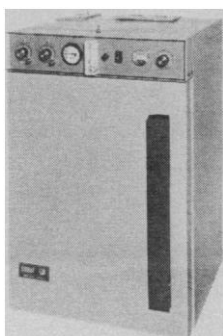
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Personnel Placement

It is requested that only those employers who will not discriminate on the basis of race, sex, religion, color, or national origin submit positions open advertising.

POSITION WANTED: 40¢ per word, minimum charge \$10. Use of Box Number counts as 10 additional words. Payment in advance is required. These rates apply to individuals only. Personnel agencies and companies take display rate for all advertising.

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Washington, D.C. 20005

POSITIONS WANTED

Behavioral Pharmacologist. Ph.D. Publications in neurochemistry and behavior, emphasis on mechanisms of reinforcement influenced by neuroleptics, opiates. Neuroscience postdoctoral background, 10 years of teaching experience. Faculty research position with teaching or industry. Box 555, **SCIENCE**. X

Emigrant, **biochemist**, extensive research in cancer (postdoctoral). Teaching graduate level experience. Seeks immediate research and/or teaching job. Married, one child. Telephone: (301) 735-5429. Box 556, **SCIENCE**. X

Career Opportunity Sought. Research, industrial development, and teaching experience. Ph.D. physiology, M.S. bioengineering, B.S.E.E. Detailed résumé available. Box 557, **SCIENCE**. X

Cellular Biologist/Immunologist. Ph.D. 1972. Postdoctoral research in tumor immunology, tissue culture. Experience in microbiology, electron microscopy. Publications. Desires faculty position with research. Box 558, **SCIENCE**. X

Developmental Biology/Genetics. Ph.D. 1970 (Montana State University). Postdoctoral research, 4 years of teaching, also clinical lab and industry. Seeks teaching/research position in Pacific Northwest/Mountain West or western Canada. Box 559, **SCIENCE**. 1/10, 17, 31

Broadly trained **geneticist** (33, Ph.D. 1969) seeks research and/or teaching position. Research background in quantitative genetics, computer simulation. Can teach genetics, evolution, biometry, general biology. Five years of experience in major university. Box 560, **SCIENCE**. X

Immunobiologist/Gerontologist. M.D., Ph.D., 1970. Postdoctoral training. Tissue culture, immunogenetics, and computer experience. Publications. Seeks college/university position. Would be willing to teach introductory courses, participate in health clinic. Box 561, **SCIENCE**. X

Molecular Biology/Biochemistry. Ph.D. with successful background of teaching, research, management, and administration. Seeks a challenging, responsible position. Box 426, **SCIENCE**. 12/20

Nutritional Biochemist. Ph.D., 1956. Interests: lipids, antioxidants, aging, hepatotoxins, neurochemistry, clinical nutrition, and metabolic ward direction. Teaching and administrative experience, publications, grants. Box 552, **SCIENCE**. 12/20

Virologist/Tissue Cultivist. Ph.D. Nine years of research experience, plus 10 years in industry in R & D, production, and quality control. Prefers R & D or management position. Available January 1975. Box 562, **SCIENCE**. X

POSITIONS OPEN

ANATOMIST-EMBRYOLOGIST

Assistant professorship for 1 year (15 September 1975 to 15 June 1976) to teach vertebrate embryology, anatomy, and vertebrate structure. Appointee is expected to interact with department members in research and so forth. Ph.D. or D.A. required. Applications complete on receipt of curriculum vitae, transcripts, letter of application, and three reference letters before 15 February 1975.

C. J. Bayne, Anatomist/Embryologist Search Committee, Zoology Department, Oregon State University, Corvallis, Oregon 97331.

OSU is an Affirmative Action Employer

ANIMAL BEHAVIOR/ETHOLOGY. The departments of Biology and Psychology anticipate a joint position at the Assistant Professor level to become available beginning September 1975. Appointee is expected to teach undergraduate courses, to conduct independent research, and to participate in an interdisciplinary graduate training program in Behavioral Biology. Direct applications to: **Animal Behavior Search Committee, Department of Biology, or Department of Psychology, University of Oregon, Eugene, Oregon 97403. The University of Oregon is an Equal Opportunity/Affirmative Action Employer.**

ANIMAL PATHOLOGIST

D.V.M./Ph.D. to join rapidly growing pharmacology and toxicology group. Requires strong background and interest in animal histopathology. Will participate in ongoing and new long-term programs in the safety evaluation of antimalarial, anticancer agents, and environmental chemicals. Applications with curriculum vitae and names of three references should be sent to:

Martin N. Schuler
Midwest Research Institute
425 Volker Boulevard
Kansas City, Missouri 64110

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The Department of **ANATOMY AND PHYSIOLOGY**, Indiana University Bloomington campus, has an opening for an **ASSISTANT PROFESSOR**, beginning August 1975. The appointee will be expected to teach basic human anatomy to undergraduates, develop a research program, and participate in graduate teaching. Candidates with postdoctoral teaching or research experience are preferred. Submit curriculum vitae and the names of three references to **Dr. I. Schwartz, Department of Anatomy and Physiology, Indiana University, Bloomington, Indiana 47401. An Equal Opportunity, Affirmative Action Employer.**

The Department of **ZOOLOGY** of the University of Florida invites applications for two positions at the **ASSISTANT PROFESSOR** level for fall 1975: a **Marine Ecologist**, and an **Ethologist**. Candidates should have a Ph.D. in zoology or biology, a record of research accomplishment, and teaching competence in their field plus basic zoology courses. Postdoctoral experience is desirable. Qualified applicants should send curriculum vitae, including list of pertinent course work and publications and names and addresses of three references, before 1 February 1975 to: **Dr. James E. Heath, Chairman, Department of Zoology, University of Florida, Gainesville, Florida 32611. An Equal Opportunity, Affirmative Action Employer.**

ASSISTANT PROFESSOR

Position open for a Ph.D. or near Ph.D. interested in teaching **Biological Sciences** to minority students who are preparing for careers in medicine. The **MEDPREP** Program is an individually tailored tutorial curriculum for premedical minority group and disadvantaged students. Applications from women and members of minority groups are encouraged. Send résumé to **Dr. Michael L. Rainey, Director, MEDPREP, School of Medicine, Southern Illinois University, Carbondale, Illinois 62901 (Telephone 618-536-5511).**

ASSISTANT PROFESSORSHIPS IN CELLULAR IMMUNOLOGY, MICROBIAL REGULATION, AND PHYSIOLOGICAL ECOLOGY

A rapidly growing, well-equipped modern department of biological sciences located in the hills outside Baltimore is seeking scientists with postdoctoral research experience who have demonstrated their ability to initiate a vigorous research program. Candidates must also have a commitment to quality graduate and undergraduate teaching. Submit curriculum vitae, bibliography, names of suggested referees, and a description of research interests to: **Dr. Thomas F. Roth, Chairman, Search Committee, Department of Biological Sciences, University of Maryland Baltimore County, Catonsville, Maryland 21228. An Equal Opportunity, Affirmative Action Employer**

POSITIONS OPEN

ASSISTANT PROFESSOR

Assistant Professor, University of Illinois, Chicago Circle, Ph.D. plus 1 or 2 years of experience, publications, beginning September 1975, for teaching graduate and undergraduate courses in developmental psycholinguistics and cognitive development and supervising graduate student research in department with strong emphasis in child language. Salary for academic year: \$13,000 minimum. *The University of Illinois is an Affirmative Action—Equal Opportunity Employer.* Send résumé to Professor Sheldon Rosenberg, Department of Psychology, University of Illinois at Chicago Circle, Box 4348, Chicago, Illinois 60680. Telephone: 312 996-8592.

BIOCHEMIST: Dental School faculty position requiring Ph.D. in biochemistry. Duties include teaching and research in Department of Oral Biology and in the Dental Research Institute. Preference will be given to those also having D.D.S. and/or experience in teaching and research in dentistry. Rank and salary commensurate with preparation and experience. *A Nondiscriminatory Affirmative Action Employer.* Send résumé to: Office of the Dean, School of Dentistry, The University of Michigan, Ann Arbor, Michigan 48104.

The Department of **BIOLOGICAL SCIENCES** at the University of Southern California has several positions open at the assistant professor level.

1. An **EVOLUTIONARY BIOLOGIST** with interests in a major marine invertebrate group who will have some responsibility in overseeing the Hancock systematic collections; biochemical or numerical taxonomists will be considered as well as more traditional workers.

2. A **MARINE POPULATION ECOLOGIST**, preferably but not exclusively with an interest in phytoplankton.

3. A **MARINE COMMUNITY** or **ECOSYSTEMS ECOLOGIST** with computer background and an interest in systems or community modeling.

Candidates must have teaching experience and commitment to a research program. Send curriculum vitae to Dr. Bernard C. Abbott, Department of Biological Sciences, University of Southern California, Los Angeles, Calif. 90007. *An Equal Opportunity/Affirmative Action Employer.*

The **BIOLOGY** Department is seeking two Ph.D. graduates with a commitment to undergraduate education and having expertise in the following areas: (i) Anatomy and Developmental Biology and (ii) Genetics (preferably Population Genetics).

These positions are to be filled by September 1975. For further information submit curriculum vitae and names of suggested referees to: Dr. Henry C. Butcher, Chairman, Department of Biology, Loyola College, Baltimore, Maryland 21210.

BIOLOGIST-DEPARTMENT CHAIRMAN

The College of Arts and Sciences of the University of San Diego, a small Catholic institution, is seeking a biology department chairman at the associate professor level for fall 1975. The individual sought should have a Ph.D. in biology, with a strong background in quantitative biology, and be able to teach genetics and biometrics to undergraduates. Applicants should submit a résumé including transcripts, three references, a statement of teaching philosophy, and a summary of teaching and research interests to: Dr. Dessie K. Severson, Department of Biology, University of San Diego, Alcalá Park, San Diego, California 92110 by 1 February 1975. *An Equal Opportunity Employer.*

BIOLOGISTS

VIRGINIA COMMONWEALTH UNIVERSITY

The Department of Biology invites applications for four (4) or more positions available in August 1975. Positions involve teaching with an opportunity for research. Persons with a doctorate who can teach General Biology and two or more of the following areas are desired: Cell Biology, Developmental Biology, Microbiology, Plant Physiology, General Physiology, Cell Physiology, Human Physiology and Human Anatomy (for pre-health science students). A General Biology Coordinator is also sought. This person should be dedicated to this type of activity, but may also teach or do research in an area of specialization.

Candidates should state teaching and research interests. Send curriculum vitae and names of references to Dr. Jackson E. Jeffrey, Department of Biology, Virginia Commonwealth University, Richmond, Virginia 23284. *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR OR ASSOCIATE PROFESSOR

Organizational/Social Psychologist, beginning September 1975, University of Illinois, Chicago Circle, to develop research or evaluation programs in schools, community mental health centers, juvenile courts or similar organizations; teach undergraduate and graduate courses in social, organizational, and general methodology; supervise graduate practice and research in these organizational settings. Ph.D. and indication of ability to produce research or evaluation studies of publishable quality are required. Academic rank and salary dependent upon qualifications. Send résumé to Professor Judith Tornay, Department of Psychology, University of Illinois at Chicago Circle, Box 4348, Chicago, Illinois 60680. Telephone 312-996-3031. *The University of Illinois is an Affirmative Action/Equal Opportunity Employer.*

NEW MEXICO STATE UNIVERSITY THE DEPARTMENT OF BOTANY AND ENTOMOLOGY

The department is inviting applications for professor and head of the department. Write to: Dr. H. Grant Kinzer, Search Committee, Department of Botany and Entomology, Box 3BE, Las Cruces, New Mexico 88003, for position announcement. Résumés must be submitted by 1 January 1975. *An Equal Opportunity/Affirmative Action Employer*

DEPARTMENT OF BOTANY

The College of Biological Sciences, The Ohio State University, invites qualified applicants to apply for the following four faculty positions:

(i) Assistant or Associate Professor, ecology (physiological or community); (ii) Assistant or Associate Professor, plant ultrastructure; (iii) Assistant Professor, structural botany (anatomy and morphology of vascular plants), and (iv) Assistant Professor, reproductive biology. Candidate must hold the Ph.D. and be interested in teaching at both the undergraduate and graduate levels and in developing a strong research program in his/her specialty. Appointments will be for 9 months, beginning 1 October 1975. Salary range: Assistant Professors \$12,500 to \$14,000; Associate Professors \$14,500 to \$16,000. Candidates should submit a complete curriculum vitae including reprints of published papers and at least three letters of recommendation to Dr. Thomas N. Taylor, Chairman, Department of Botany, College of Biological Sciences, The Ohio State University, 1735 Neil Avenue, Columbus, Ohio 43210. Deadline for receipt of all materials is 1 January 1975. *An Affirmative Action Employer.*

CHAIRMAN

DEPARTMENT OF BOTANY AND PLANT PATHOLOGY COLORADO STATE UNIVERSITY

The Department of Botany and Plant Pathology at Colorado State University is seeking applicants for the position of Department Chairman; the position to be filled 1 July 1975. The Department has 26 full-time faculty members and offers programs leading to the B.S., M.S., and Ph.D. degrees in Botany and in Plant Pathology. Candidates should possess a Ph.D. in plant sciences and have a distinguished record of achievement in research and teaching, and evidence of administrative leadership. Applications (including a résumé and a list of three references) should be sent by 27 January 1975 to The Chairman of the Search Committee, Dr. J. H. Gibson, Director, Natural Resource Ecology Laboratory, Colorado State University, Fort Collins, Colorado 80523.

CSU is an equal opportunity employer. In order to assist CSU to meet its affirmative action responsibilities, ethnic minorities and women are encouraged to apply and identify themselves on an attached sheet.

State University of New York at Binghamton. The **DEPARTMENT OF CHEMISTRY** seeks one or two additions to its organic faculty, preferably beginning September 1975. The appointments may be at the level of assistant professor or above. We seek organic chemists whose research interests will bridge other subdisciplines, such as bioorganic, photochemistry, organometallic, or organic spectroscopy. The successful candidates will be expected to conduct strong research programs and to participate in graduate and undergraduate teaching. *SUNY-Binghamton is an Equal Opportunity/Affirmative Action Employer.* Applicants should request the submission of three references, and should send a curriculum vitae, list of publications, and outlines of proposed research to: Organic Faculty Search Committee, Chemistry Department, State University of New York at Binghamton, Binghamton, New York 13901. Applications, including references, should be completed by 20 January 1975 to ensure consideration.

POSITIONS OPEN

DEPARTMENT CHAIRPERSON for the Department of Biology, Central Michigan University. Faculty of 25 with diverse interests offer strong undergraduate and master's level graduate program. Applicants should have Ph.D. in Biology, teaching and research experience, and demonstrated administrative potential. Send résumé to Search Committee, Biology Department, Central Michigan University, Mt. Pleasant, Michigan 48859, by 15 February.

The **CHEMISTRY DEPARTMENT** of the State University of New York at Binghamton is searching for a physical chemist or chemical physicist for appointment to the faculty in the fall of 1975. Rank, salary, and field of specialization are open. Respondents should include curriculum vitae and a brief statement of research plans. In addition respondents should arrange to have three or more letters of reference sent. These should attest to the respondent's ability to mount and maintain a vigorous and high quality research program. *SUNY-Binghamton is an Equal Opportunity and Affirmative Action Employer.* Replies and letters of recommendation should be addressed to Walter E. Kaskan, Department of Chemistry, State University of New York at Binghamton, Binghamton, New York 13901. To assure consideration, replies should be received by 31 January 1975.

DEVELOPMENTAL BOTANIST

Biochemical emphasis on vascular plants. Assistant Professorship available August 1975. Share instruction in lower division course(s), develop course(s) in specialty and maintain active research program. Ph.D. required. Send résumé and three letters of recommendation to Dr. Jerome M. Aronson, Department of Botany-Microbiology, Arizona State University, Tempe, Arizona 85281 by 15 February 1975. *An Affirmative Action Employer.*

ECOLOGISTS

Two or three faculty positions in ecology are available beginning August 1975. Persons with varied backgrounds are encouraged to apply. Appointments probably will be made at the Assistant Professor level. Send covering letter and curriculum vitae to: Ecology Search Committee, Department of Biology, The University of New Mexico, Albuquerque, N.M. 87131. *An Equal Opportunity Employer.*

UNIVERSITY OF ILLINOIS

FACULTY MEMBERS, preferably with postdoctoral experience, to help in teaching gross anatomy to medical or dental students. Research area open, but applicants should expect to have or to develop productive research programs. A somewhat senior person could be considered. Send a curriculum vitae and names of three references to: K. A. Rafferty, Department of Anatomy, The University of Illinois at the Medical Center, Box 6998, Chicago, Illinois 60680. *The University of Illinois is an Equal Opportunity Employer.*

FACULTY POSITIONS (Two)—Department of Pharmacology, Harvard Medical School. Applications are invited for two Assistant Professorships in the Department of Pharmacology to be filled on or before 1 September 1976. These positions are in the area of molecular and cellular pharmacology, broadly interpreted. Send curriculum vitae and three letters of reference to: Dr. Roberto R. Rando, Department of Pharmacology, Harvard Medical School, 25 Shattuck Street, Boston, Massachusetts, 02115. *An Affirmative Action/Equal Opportunity Employer M/F.*

FACULTY POSITION (rank open) in School of Life Sciences for biologist to engage in vigorous research in Genetics or Developmental Biology of eukaryotes. Preference will be given to candidates using Cell Hybridization or other parasexual techniques. Teaching responsibilities will be at both undergraduate and graduate levels. Applicants should describe past experience, future research plans, areas of teaching competence, send complete curriculum vitae, and submit names of three referees to: Prof. J. H. Willis, Chairman, Search Committee, Provisional Department of Genetics and Development, University of Illinois, Urbana, Ill. 61801.

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

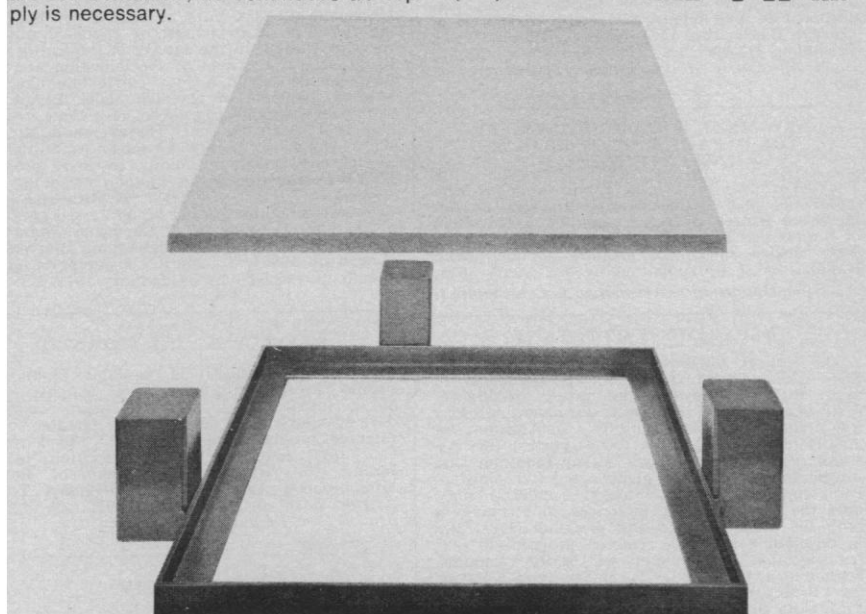
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Circle No. 219 on Readers' Service Card

Position Opening

Dean, School of Nursing, University of Minnesota, June 30, 1975.

The School: The University of Minnesota School of Nursing is one of six units comprising the Health Sciences. This organization provides opportunity for the School of Nursing to achieve close collaborative relationships with the Department of Nursing Services of the complex University Hospitals as well as with the other units of the Health Sciences. The Health Sciences are located on the Minneapolis campus of the University of Minnesota where resources of other colleges and services are available and used in forwarding the program of the School of Nursing. The School of Nursing offers N.L.N. accredited programs at the undergraduate and graduate level and supports an expanding continuing education program. Considerable increase in project and research activities has occurred over the past five years and is planned to continue in the future. The nature and expansion of programs and activities have resulted in greater extension of the School of Nursing into the state-wide community for service and for educational resources.

The Position: The Dean is the administrative head of the School, fulfilling the usual management functions and coordinating functions inherent in the Health Sciences organization. In addition, the Dean provides leadership for the faculty in serving the School's missions of education, service and research. The Dean facilitates growth of the school and the faculty, interprets goals and needs, and represents the School to the University and the community.

Qualifications: 1. A nurse holding a doctorate degree;
2. Having had successful academic and administrative experience;
3. Knowledgeable in trends and developments in health care;
4. Competent to provide leadership for nursing in fulfilling the mission of Health Sciences at the University of Minnesota.

Nominations and/or applications should be sent to:

Dr. L. David Schuelke, Chairman
Nursing School Dean Search Committee
University of Minnesota
Box 501 Mayo Memorial Building
Minneapolis, Minnesota 55455

Applications should be received by February 1, 1975.

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POSITIONS OPEN

THE UNIVERSITY OF HOUSTON VICTORIA CENTER

Invites applications for the anticipated position of **DIVISION HEAD, NATURAL SCIENCES**. This upper-level institution, in its second year of operation, seeks applicants who can exercise responsibility for development of undergraduate and graduate-level programs in the natural sciences, recruit faculty, and perform other administrative functions of the Division Office. Interested applicants should send a résumé to:

Dr. D. Reginald Traylor
The University of Houston Victoria Center
2708 North Ben Jordan
Victoria, Texas 77901
Equal Opportunity Employer

FACULTY POSITIONS AVAILABLE MEDICAL EDUCATION PROGRAM TEXAS A & M UNIVERSITY COLLEGE STATION, TEXAS 77843

Texas A & M University, in affiliation with Baylor College of Medicine, is currently developing a new Program in Medical Education. The 2-year preclinical course of instruction will be presented primarily on the TAMU campus. The clinical curriculum, occupying the third and fourth years, will utilize the faculty and facilities of the Baylor College of Medicine and its affiliated hospitals in Houston as well as the Veterans Administration Center and the Scott & White Clinic and Hospital in Temple, Texas. Training experiences under the guidance of physicians in private practice are planned, both in the pre-clinical and clinical years. A major emphasis of this Program will be the training of physicians who, by virtue of their background and educational experience, will be prepared for and attracted to medical practice in communities other than the larger metropolitan centers.

Qualified individuals with teaching experience in human anatomy, physiology, biochemistry, pathology, pharmacology, microbiology, and general medicine in a medical school setting are invited to make application. Letters of application should include a résumé of pertinent prior experience and may be directed to: **Dean of Medicine, Office of Medical Careers, Texas A & M University, College Station, Texas 77843.** *Texas A & M University is an Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITION

The University of California, Irvine, Department of Biological Chemistry in the College of Medicine invites applications for a faculty appointment as an Assistant Professor. Applicants will also be considered for appointment at the Associate Professor level. Teaching responsibilities involve instructing medical students and graduate students in selected areas of biochemistry. Research experience and interest in molecular biology, control mechanisms, and/or enzymology is preferred. Faculty members are expected to develop a strong, independent, research program. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Send curriculum vitae and two letters of reference to:

Dr. Kivie Moldave
Department of Biological Chemistry
College of Medicine
University of California, Irvine
Irvine, Calif. 92664

THREE FACULTY POSITIONS DEPARTMENT OF BIOLOGICAL SCIENCES STATE UNIVERSITY OF NEW YORK AT BINGHAMTON

Research-oriented biologists with an interest in graduate and undergraduate education are sought in the following areas:

- ▶ MICROBIAL GENETICS
- ▶ DEVELOPMENTAL BIOLOGY
- ▶ POPULATION GENETICS—ECOLOGY

Any of the positions may be filled at the assistant, associate, or full professor level. Outstanding candidates are encouraged to submit curriculum vitae with statement of research and teaching interests, reprints or preprints, and current or pending grant proposals. Also, please have at least three letters of reference sent. Additional requirements for applicants for assistant professor are postdoctoral research experience and submission of academic transcripts. All correspondence from candidates and references should specify which position is being sought and should be sent to **Alan H. Haber, Chairman, Department of Biological Sciences, State University of New York at Binghamton, Binghamton, New York 13901.** *An Equal Opportunity/Affirmative Action Employer.*

IN VITRO CARCINOGENESIS

Ph.D., with training and Post-Doctoral experience in chemical carcinogenesis, metabolic activation of carcinogens and mammalian cell culture techniques needed to investigate metabolic activation of chemical carcinogens and the various biochemical aspects involved. Develop metabolic activation systems for use with in vitro carcinogenesis bioassay models. Determine the role of activating enzyme systems in the transformation of human cells and study human metabolites of chemical carcinogens.

Well equipped laboratory facilities, and extensive scientific library and professional computer support are available.

Successful candidate will be offered competitive salary, attractive company benefits, and relocation expenses.

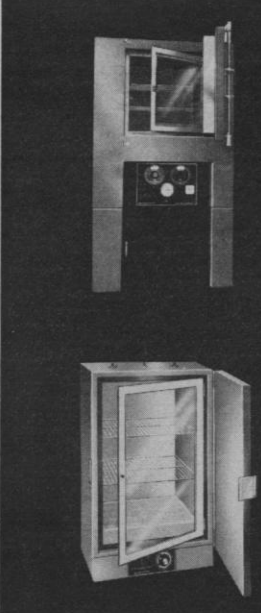
Applications and complete résumés including salary history may be addressed to:

Mr. D. S. Loker, Personnel Mgr.

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The Faculty of the Department of Biochemistry, University of California at Berkeley anticipates an opening at the level of Assistant Professor beginning in July 1975. The position will entail the establishment of a vigorous research program as well as teaching in departmentally administered courses. It is expected that the chosen candidate will have demonstrated outstanding competence, originality, and productivity, as evidenced by research accomplishment and reputation in the field. The candidate should also be able to perform effectively both as a lecturer and in more informal teaching situations. Preference will be given to candidates whose research interests complement rather than duplicate those of current members of the department. In particular, we solicit applications from those with experience and interest in biochemical aspects of (1) growth and regulation of eucaryotic cells, (2) organization, function and assembly of supramolecular structures, and (3) neurobiology.

A brochure describing the department facilities and faculty research programs is available on request. Applicants should submit a curriculum vitae and bibliography, a concise (500-1000 words) description of their prospective research program and names of three references, to the Chairperson of the Search Committee, at the above address.

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POSITIONS OPEN

DEPARTMENT HEAD, MATHEMATICS

The Department of Mathematics at the University of Illinois, Chicago Circle Campus, invites applications for the position of department head, effective September 1975. The Department, staffed by a full-time faculty of 77, presently has 440 undergraduate and 131 graduate students and offers undergraduate, master's, and doctoral programs in Pure Mathematics, Applied Mathematics, Statistics and Probability, Computer Science, and Mathematics Education. Applicants for this senior position must have a distinguished record of scholarship and teaching and, preferably, a demonstrated administrative capacity. Please send curriculum vitae and list of publications by 31 March 1975 to: **Dr. J. C. Johnson, Associate Dean, Chairman, Mathematics Search Committee, College of Liberal Arts and Sciences, University of Illinois, Chicago Circle, Box 4348, Chicago, Ill. 60680. An Equal Opportunity/Affirmative Action Employer.**

UNIVERSITY OF SOUTH CAROLINA FACULTY POSITIONS IN BIOCHEMISTRY

The University of South Carolina invites applications from individuals interested in establishing a vigorous research program and participating in departmental teaching activities.

Candidates should desire involvement in a growing department, have a commitment to the teaching of medical and graduate students, and be open to the possibility of nontraditional teaching methods.

Preference will be given to a staff with a research background in metabolism, membranes, immunochemistry, and developmental biochemistry.

Outstanding applicants in other specialties at any rank will also be considered in its newly authorized MEDICAL SCHOOL which is to be established in affiliation with the Columbia Veterans Administration Hospital under the authority of the Veterans Administration Medical School Assistance and Health Manpower Training Act of 1972. Letters of application or nomination should include a curriculum vitae. Candidates should possess a medical degree and/or a doctoral degree in their specialty. *The University of South Carolina is an Equal Opportunity/Affirmative Action Employer.*

Correspondence should be addressed to

**John B. Harley, M.D., Dean
School of Medicine
University of South Carolina
Columbia, South Carolina 29208**

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Correspondence should be addressed to

**John B. Harley, M.D., Dean
School of Medicine
University of South Carolina
Columbia, South Carolina 29208**

POSITIONS OPEN

The Department of Chemistry and Chemical Engineering of Michigan Technological University seeks an outstanding **DEPARTMENT HEAD** having a Ph.D. in chemistry or chemical engineering, preferably in chemistry. The candidate must be a scholar, actively engaged in research, and should possess administrative ability. This is an exceptional opportunity for an outstanding person to enlarge the departmental research commitment and to encourage faculty development. The successful candidate is expected to continue research activity as well as perform administrative duties. The department has a professional staff of 13 chemists and 8 chemical engineers, is housed in a new, well-equipped building, and offers degrees through the Ph.D. in chemistry and M.S. in chemical engineering. Michigan Technological University, a growing, modern institution, with an exceptional physical plant, is located in an attractive rural setting.

Send applications and nominations to **Chairman of the Screening Committee, College of Engineering, Michigan Technological University, Houghton, Michigan 49931. Michigan Technological University is an Equal Opportunity, Affirmative Action Employer.**

HEMATOLOGIST

Board eligible or qualified. Instructor or Assistant Professor level. Apply to

**Chairman
Department of Medicine
University of North Carolina School of Medicine
Chapel Hill, N.C. 27514**

THE UNIVERSITY OF HOUSTON VICTORIA CENTER

Invites applications for the position of **MANAGER, COMPUTER CENTER**. This upper-level institution, in its second year of operation, seeks applicants who can assume responsibility for the operation of a computer center, providing service to instructional, administrative, and research interests. Some administrative and applied experience is desired. Applicants should be qualified to teach in an academic setting at undergraduate and master's level.

Interested applicants should send a résumé to:

**Dr. D. Reginald Traylor
The University of Houston Victoria Center
2708 North Ben Jordan
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MEDICAL MICROBIOLOGIST AND IMMUNOLOGIST

Two Assistant Professor positions available, Ph.D. or M.D. with postdoctoral experience. Medical microbiologist to assume responsibility for a medical school course in pathogenic bacteriology. Research orientation preferably in molecular aspects of infectious disease. Both positions involve research and teaching medical and graduate students. Send résumé to **Dr. Morton M. Weber, Department of Microbiology, St. Louis University School of Medicine, St. Louis, Mo. 63104. An Equal Opportunity/Affirmative Action Employer.**

MICROBIOLOGY/IMMUNOLOGY

Applicants invited from Ph.D., M.D., or equivalent with sufficient postdoctoral experience, preferably in cellular immunology, to qualify for **Assistant Professor**. Research support must be self-engendered. Send curriculum vitae and publications list to: **Irving Gordon, University of Southern California School of Medicine, 2025 Zonal Ave., Los Angeles, Calif. 90033. An Equal Opportunity/Affirmative Action Employer.**

PHARMACOLOGY

The Department of Pharmacology and Therapeutics, Schools of Medicine and Dentistry, State University of New York at Buffalo, invites applications for a full-time faculty position as an Assistant Professor. Candidate must have a Ph.D. or M.D. degree and two or more years of research experience and publications. The candidate will be expected to teach medical, dental, and graduate students in the area of cardiovascular pharmacology.

Send curriculum vitae and request letters of recommendation to be sent from three persons to: **Dr. Barbara Rennick, 122 Capen Hall, Box M, State University of New York at Buffalo, Buffalo, New York 14214. We are an Equal Opportunity, Affirmative Action Employer.**

POSITIONS OPEN

PHYSICIANS FOR PRIMARY CARE CENTER

Apply to

**Chairman
Department of Medicine
University of North Carolina School of Medicine
Chapel Hill, N.C. 27514**

PHYSIOLOGIST competent in either renal or neurophysiology for vacancy in our teaching faculty at either assistant or associate professor level. Previous teaching experience necessary. *This university is an Equal Opportunity Employer.* **D. F. Magee, Chairman, Department of Physiology and Pharmacology, Creighton University Medical School, Omaha, Nebraska 68178.**

PLANT POPULATION GENETICIST

Assistant Professor level. Available for September 1975. Undergraduate and graduate-level teaching in population genetics and participation in a team-taught introductory biology course. Opportunity to conduct research and direct students in a plant science Ph.D. program. Salary up to \$17,000 depending on qualifications and experience. Send résumé to **Dr. R. Jones, Chairman, Department of Biological Sciences, Herbert H. Lehman College of the City University of New York, Bronx, N.Y. 10468. An Equal Opportunity Employer with an Affirmative Action Program.**

POSTDOCTORAL POSITION

To investigate the biochemical pharmacology of the heart. Applicants with backgrounds in pharmacology, biochemistry, organic chemistry, or electrophysiology will be considered. Send résumé and two letters of reference to: **Dr. Ryan Huxtable, Department of Pharmacology, University of Arizona College of Medicine, Tucson, Arizona 85724. The University of Arizona is an Equal Opportunity Employer.**

POSTDOCTORAL POSITION

Two-year fellowship training in Clinical Pharmacology. Send résumé and two letters of reference to:

**Dr. Philip Walson
Department of Pharmacology
University of Arizona College of Medicine
Tucson, Ariz. 85724**

The University of Arizona is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH

Experience in ecosystem research, statistical analysis, and computer programming, to work in arid lands ecosystems. Starting 1 February 1975. Send résumé to: **Dr. Walter G. Whitford, Department of Biology, New Mexico State University, Las Cruces, New Mexico 88003.**

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PROFESSOR, DEPARTMENT OF ORAL BIOLOGY, School of Dentistry, State University of New York at Buffalo. We are seeking a cell biologist with a particular interest in dentistry who will apply his/her expertise to some aspect of cell function, preferably cellular immunology, as it relates to periodontal disease. Interested candidates contact **Dr. Ernest Hausmann, Department of Oral Biology, School of Dentistry, State University of New York at Buffalo, 4510 Main Street, Buffalo, New York 14226. An Equal Opportunity/Affirmative Action Employer.**

RESEARCH ASSOCIATE

Applications are being accepted for a position of Research Associate in field research in physical oceanography. Applicants should have a strong background in physical science, have demonstrated research capability in observational and instrumentation aspects of deep sea physical oceanography, and be prepared to spend several months each year at sea. Special emphasis will be placed on the ability to design and carry out experiments and to direct a sea-going group. The initial program will be focused in the Southern Ocean. Inquiries should be addressed to **Professor D. James Baker, Jr., Department of Oceanography WB-10, University of Washington, Seattle, Washington 98195.** Please include curriculum vitae and names of four references. *Applications from qualified women and minorities are encouraged. The University of Washington is an Affirmative Action Employer.*

POSITIONS OPEN

PSYCHOLOGIST

Postdoctoral position available in September 1975 or earlier for researcher on human visceral learning and biofeedback. Previous experience in biofeedback research or behavioral modification highly desirable. Applicants should have experimental, physiological, or clinical specialization. Send inquiries, curriculum vitae, and names of three references to **Dr. Leo V. DiCara, Department of Psychiatry, University of Michigan, Ann Arbor, Michigan 48104. An Equal Opportunity/Affirmative Action Employer.**

RANGE MANAGEMENT

Applications (*Equal Opportunity*) are invited for a position at the Assistant or Associate Professor level. The position will be held jointly in the Faculty of Forestry and the Department of Plant Science of the Faculty of Agricultural Sciences, with responsibility for developing and contributing to a range management program building upon existing courses at the undergraduate and graduate levels. It is expected that candidates will have postdoctoral or equivalent experience. Send applications together with curriculum vitae and three letters of recommendation to: **Dr. V. C. Runeckles, Chairman, Department of Plant Sciences, University of British Columbia, Vancouver, Canada V6T 1W5.**

RESEARCH MARINE CHEMIST

Development of chemical methodology; radioisotopes; nutrient chemistry including automated analysis; Ph.D. and proven ability to generate funds essential.

**Bigelow Laboratory for Ocean Sciences
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Telephone 207-633-5572**

RESEARCH POSITION— PATHOLOGY DEPARTMENT UNIVERSITY OF CALIFORNIA, SAN DIEGO

Research Immuno-oncologist with five or more years of experience in immunochemistry and oncology.

Please send curriculum vitae and bibliography to **Stewart Sell, M.D., Department of Pathology, University of California, San Diego, Medical School, La Jolla, California 92037.**

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THE AUSTRALIAN NATIONAL UNIVERSITY invites applications for appointment to the following:

Research Fellow—Department of Biochemistry, John Curtin School of Medical Research. The Research Fellow will collaborate with an existing research group in the Department in work in one of the following areas:

- Protein chemistry, with particular reference to the isolation and characterization of membrane proteins from normal and mutant bacteria
- Biochemical genetics of bacterial oxidative phosphorylation
- Enzyme reaction mechanisms with particular reference to allosteric enzymes.

Further details of the research work may be obtained from **Professor F. Gibson, John Curtin School of Medical Research, Australian National University, Canberra.** Closing date: 1 March 1975.

Fellow/Senior Research Fellow/Research Fellow in Colloid Science, Biophysics, Research School of Physical Sciences. Appointment would be in the Department of Applied Mathematics, Institute of Advanced Studies, which works in Colloid and Interface Science with a bias toward membrane biophysics (Professor B. W. Ninham) and in Vision Research and Optical Communications (Dr. A. W. Snyder). It has close links with the Department of Neurobiology (Professor G. A. Horridge) and the Department of Theoretical Physics and works also in Liquid State Physics. Inquiries are especially invited from people interested in the Colloid field and/or Polymer Science. The Department would particularly welcome a person with some knowledge of or an interest in membrane biology, and it is expected that some opportunity to do experimental work may arise if desirable. Closing date: 31 January 1975.

Tenure as Fellow is for 5 years in the first instance with possibility of extension to retiring age; Senior Research Fellow and Research Fellow for 3 years in the first instance with possibility of extension to 5 years. Reasonable travel expenses and assistance with housing is available.

Salaries: Fellow, \$10,771 to \$14,704 per annum; Senior Research Fellow, \$13,163 to \$15,548 per annum; Research Fellow \$9,002 to \$12,269 per annum, Australian currency.

Further information from the **Academic Registrar, P.O. Box 4, Canberra, A.C.T., 2600, Australia.**

POSITIONS OPEN

RADIOCHEMIST. An active Nuclear Medicine division requires a Radiochemist with experience in preparation, handling, and quality control of isotopes for imaging and radioimmunoassay. A Ph.D. degree is helpful. Division is in a 340-bed teaching hospital affiliated with the Albert Einstein College of Medicine. The position carries faculty appointment. Liberal fringe benefits. Please contact: **Lincoln Hospital, 320 Concord Avenue, Bronx, N.Y. 10454. Telephone: (212) 960-5563. An Equal Opportunity Employer.**

AUSTRALIA PUBLIC SERVICE OF VICTORIA MINISTRY FOR CONSERVATION FISHERIES AND WILDLIFE DIVISION SENIOR RESEARCH OFFICER (TWO POSITIONS)

Yearly Salary: \$A10,505 minimum; \$A12,211 maximum.

Position No. 1 [Reference No. (N/02)]
Duties: To carry out field and laboratory studies in marine productivity and energetics in relation to water quality characteristics; other research duties as directed.

Qualifications: An approved degree in science, or other approved equivalent qualifications; appropriate training and experience as related to marine productivity and energetics; experience in experimental studies on productivity an advantage.

Position No. 2 [Reference No. (N/05)]
Duties: To carry out investigations into the quantitative ecology of marine systems with a view to assessing the effects of industrial and domestic development of the area; other research duties as directed.

Qualifications: An approved degree in science, or other approved equivalent qualifications; appropriate training and experience in marine ecology with special emphasis on energetics and productivity; experience with meiofaunal ecology an advantage.

Applications quoting reference numbers should be addressed to the **Secretary, Public Service Board of Victoria, State Public Offices, No. 1 Treasury Place, Melbourne, 3002, Australia,** by not later than 9:30 a.m. on Tuesday, 31 December 1974, together with statements of experience and qualifications and date and place of birth.

SENIOR SCIENTISTS

The National Center for Toxicological Research, Food and Drug Administration, is inviting applications from senior-level scientists with expertise in the field of carcinogenesis. The successful candidates will be expected to assist in the development and coordination of long-range research programs in the areas of (i) molecular mechanisms of chemical carcinogenesis or (ii) metabolism and carcinogenicity of aromatic amines. Applicants must have 10 to 20 years of experience in the respective areas of research and be U.S. citizens. The appointments will be for 1 or 2 years with possible renewal and expected salaries of \$34,000 to \$36,000 per year. Interested persons should send a curriculum vitae, including a list of publications and three names for references, to: **Mrs. Casali, Personnel Office, The National Center for Toxicological Research, Jefferson, Arkansas 72079. The NCTR is an Equal Opportunity Employer.**

VASCULAR-PLANT SYSTEMATIST, HAWAII

Assistant or Associate Professor. Interests in tropical, Pacific, and Asian plants; in a bio-systematic and experimental approach to research; and in graduate and undergraduate instruction. Details available from **Dr. N. P. Kefford, Chairman, Department of Botany, 3190 Maile Way, University of Hawaii, Honolulu, Hawaii 96822. An Equal Opportunity/Affirmative Action Employer.**

RESEARCH PROGRAM

A basic research program in reproductive biology will be offered at the Marine Biological Laboratory, Woods Hole, Massachusetts, from 9 June to 22 August 1975, pending NSF funding. Twelve associate investigators will be chosen to work with six senior investigators on problems relating to gametogenesis, fertilization, and early embryonic development of marine animals. For details and applications write to: **Dr. Charles B. Metz, University of Miami, 521 Anastasia, Coral Gables, Florida 33146.** The deadline for receipt of applications is 1 March 1975.

FELLOWSHIPS

POSTDOCTORAL RESEARCH FELLOWSHIPS AT THE CENTER FOR ASTROPHYSICS

The Harvard College Observatory and the Smithsonian Astrophysical Observatory invite applications for postdoctoral research fellowships. Tenure will be at the Center for Astrophysics, Cambridge, Massachusetts. Awards will normally begin 1 July 1975 for a period of 1 year and may be extended for one additional year. Awards will be made in various fields of astrophysics and astronomy, including Atomic and Molecular Physics, Geoastronomy, High-Energy Astrophysics, Optical and Infrared Astronomy, Planetary Sciences, Radio Astronomy, Solar and Stellar Physics, and Theoretical Astrophysics. Several awards will be made.

Research facilities include: laboratories for determination of atomic properties, extensive laser tracking data for satellites, a CDC 6400 computer, x-ray satellite instruments, optical telescopes at several sites (including Mount Hopkins, Arizona), laboratories for petrographic and isotopic analysis of meteorites and lunar rocks, access to a 16-foot millimeter-wave telescope and large centimeter-wave telescopes, and data from orbiting solar telescopes.

Applicants should submit a curriculum vitae, a bibliography, a statement of research interests, copies of one or two publications, and the names of three references to: **Chairman, Postdoctoral Fellowship Committee, Center for Astrophysics P-208, 60 Garden Street, Cambridge, Massachusetts 02138.**

All materials should reach Cambridge by 1 February 1975. *The Center for Astrophysics is an Equal Opportunity Employer and it encourages applications from women and members of minority groups.*

POSTDOCTORAL FELLOWSHIPS DEPARTMENT OF PHYSICS UNIVERSITY OF WATERLOO WATERLOO, ONTARIO, CANADA

Applications are invited for postdoctoral research fellowships in physics.

Fellowships carry a stipend of \$9600 per annum (after 31 March 1975) which is subject to Canadian income tax. The awards are tenable for a period of 1 year with a possible renewal for a second year.

Research areas include: Astronomy and Astrophysics (applicants in this area should be interested in teaching and in observational galactic structure of Southern Milky Way and related topics), Atomic and Molecular Physics, Biophysics, Crystallography, Electron Microscopy (thin crystal defects and interfacial structures), Ellipsometry, Condensed Inert Gas Properties, Laser Physics, Microwave Physics, Nuclear Magnetic Resonance, Solid-State Physics (insulators, metals, nonlinear dielectrics, and semiconductors), Statistical Mechanics, Superfluidity, Superconductivity, and Ultrasonics. Closing date for applications is 15 March 1975.

For further information write to:

**Dr. D. E. Brodie, Acting Chairman
Department of Physics
University of Waterloo
Waterloo, Ontario, Canada N2L 3G1**

PREDOCTORAL FELLOWSHIPS IN PHYSIOLOGY

WHO? Are you an above average biology, physics, chemistry, mathematics, or engineering major?

WHAT? Interested in the function of the heart, blood vessels, hormones, kidney, immune system, or nervous system?

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\$170./set (>10 sets)

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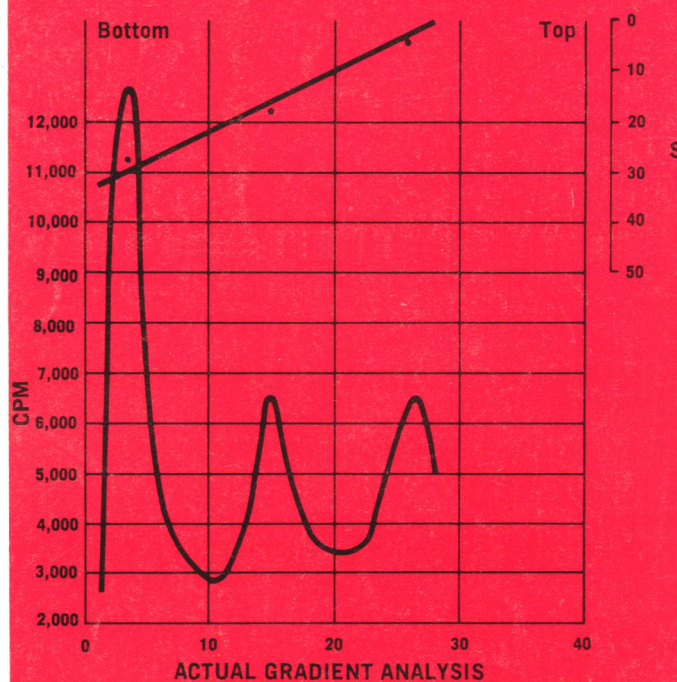
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
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
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