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The Department of Chemistry is seeking applica-
tions for a professor position in Analytical Chemistry. The primary requirement is promise of excellence in research and teaching. Preference will be given to persons with strong research interests in the areas of separations or bioanalytical chemis-
try and who are committed to complementing the present staff activities. The teaching duties asso-
ciated with this position include participation in the graduate chemistry program and analyti-
cal graduate courses on a rotating basis. The University of Wisconsin is an Equal Opportu-
nity Employer with an Affirmative Action Program.

Cytogeneticist
A position as a Research Fellow or Research Associate is open for a cytogeneticist. Candidates should have demonstrated competence in an indepen-
dent investigator in human cytogenetics. Ap-
plicants should send their curriculum vitae, re-
prints, and names of three references to: D. H. Evans, Department of Chemistry, The University of Wisconsin-Madison, Room 3355, Madison, Wis. 53706.

CHESAPEAKE BAY INSTITUTE
Staff search commences January 1975 for a Zoologist-Biochemist, University Microbiologist with a Ph.D. to study nutrient dy-
namics, energy transfer in estuary and coastal ocean. Experience in nutrient chemistry desirable. Excellent working surroundings and benefits. Send curriculum vitae and names of three professional references to: The Office of Personnel Searces, Fithy Floofy, Garland Ron, The Johns Hopkins University, Baltimore, Mary-
land 21218. An Equal Opportunity Employer.

COMPARATIVE PHYSIOLOGIST. Research interests in regulatory physiology at the organ-
ismal or cellular level. Undergraduate teaching in general vertebrate or invertebrate physiology, and comparative physiology, graduate teaching in one of the above areas. Postdoctoral experi-
ence and/or outstanding research potential required. Please apply to: John Gilman, M.D., Professor of Medicine, Chairman, Department of Physiology, Wayne State University College of Medicine, 3625 Bruck Street, Detroit, Michigan 48201.

DEAN OF FACULTY AND PROVOST
The John Jay College of Criminal Justice, City University of New York, invites applications for the position of Dean of Faculty and Provost. The college places particular emphasis on preparation for careers in criminal justice and public service. Earned Ph.D. teaching experience, publications, and academic administrative experi-
ence is essential. Some experience in criminal justice education desirable. Salary negotiable. Ap-
pliers should send curriculum vitae and three names of references (references be sent by) be sent by 15 December 1974, to Ruth A. Lonsdale, Secretary to the Faculty Search Committee, John Jay College of Criminal Justice, 444 West 56 Street, New York, New York 10019. An Equal Opportunity Employer.

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SANTA CLARA UNIVERSITY
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sive science program comprising 140 faculty em-
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ulty Position—January 1975 opening for assistant profes-
sor in expanding Allied Health Sciences Program. Research and teaching experience in Public Health and Epidemiology preferred along with

DEAN OF THE COLLEGE OF LIFE SCIENCES AND MATHEMATICS
Applications are invited from qualified persons

Epidemiologist
Division of Health Sciences, University of Delaware, Ph.D. and/or M.D. Applicants should be experienced in the social and environmental, as well as the etiologi-
Cal, and social aspects, of major public health problems and re-
search in the medical and health sciences.

Four FACULTY POSITIONS
Applications: Available at a rank commensurate with ex-
pertise in the Department of Microbiology. Applicants

FOUR FACULTY POSITIONS
Applications: Available at a rank commensurate with ex-
pertise in the Department of Microbiology. Applicants

GROSS ANATOMIST
Applications are invited from qualified persons with Ph.D. and/or M.D. degrees for an assistant or associate professor position in the Department of Gross Anatomy, Department of Surgery, Yale University School of Medicine, New Haven, Conn. The Gross Anatomy Department offers a full range of medical and graduate teaching and research responsibilities. Applications should include a letter of recommendation to: Dr. Thomas R. Forbes, Section of Anatomy, Department of Surgery, Yale University School of Medicine, New Haven, Conn. 06510. An Equal Opportunity/Affirmative Action Employer.

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Applications are invited from qualified persons with Ph.D. and/or M.D. degrees for an assistant or associate professor position in the Department of Gross Anatomy, Department of Surgery, Yale University School of Medicine, New Haven, Conn. The Gross Anatomy Department offers a full range of medical and graduate teaching and research responsibilities. Applications should include a letter of recommendation to: Dr. Thomas R. Forbes, Section of Anatomy, Department of Surgery, Yale University School of Medicine, New Haven, Conn. 06510. An Equal Opportunity/Affirmative Action Employer.

EPIDEMIOLOGIST
Division of Health Sciences, University of Delaware, Ph.D. and/or M.D. Applicants should be experienced in the social and environmental, as well as the etiologi-
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Cal, and social aspects, of major public health problems and re-
search in the medical and health sciences.
POSI TIONS OPEN

FACULTY POSITION
Department of Microbiology, Emory University, Atlanta, Georgia. Assistant or Associate Professor, teaching responsibility for professional and graduate courses in immunology. Submit curriculum vitae and names of three references. Position open until filled. Box 518 SCIENCE.

The University of Michigan–Dearborn is seeking applications for a faculty position in ORGANIC CHEMISTRY. A Ph.D. is required, postdoctoral experience and research in teaching will be assets. Duties will include teaching Organic Chemistry laboratory sections, and a variety of freshman chemistry courses. Research is expected. Send curriculum vitae and three letters of recommendation to Search Committee, College of Arts, Sciences, and Letters, The University of Michigan–Dearborn, Dearborn, Michigan 48128. A nondiscriminatory, affirmative action employer.

HEAD
DEPARTMENT OF BIOLOGICAL SCIENCES
UNIVERSITY OF CINCINNATI

Applications and nominations are invited for the position of Head of the Department of Biological Sciences. The department is one of the largest in this university having 23 faculty with major interests in Cell Biology, Ecology, Evolution, Systematics, Genetics, and Physiology. Another professor position in pharmacology is expected to be filled jointly with faculty from the College of Medicine. Applicants with teaching experience at the graduate and undergraduate levels are preferred, and the appointment will be made starting in the fall of 1977. The successful candidate should be qualified to teach in the biochemical sciences. The department has a well-equipped central facility for teaching and research.

Qualifications: A distinguished record of achievement in research and teaching, and evidence of administrative ability and demonstrated potential for promotion. Please respond to: Professor Richard A. Day, Search Chairman, Department of Chemistry, University of Cincinnati, Cincinnati, Ohio 45221. An equal opportunity employer.

THE SCHOOL OF OPTOMETRY, UNIVERSITY OF CALIFORNIA, Berkeley, has a permanent position immediately available in the Department of Optometry, teaching experience, and commitment to research is desirable. Send curriculum vitae and three letters of recommendation to: Dr. Venkatray G. Prabhoo, Chairman, Department of Optometry, School of Optometry, University of Southern California, Los Angeles, California 90017. An equal opportunity employer.

Section of Molecular Pharmacology of the University of Mainz, Germany.

RESEARCH ASSOCIATES
(Ph.D. in Biochemistry, Organic Chemistry or Cell Biology)

and

TECHNICIANS WITH MASTERS DEGREE

Biochemistry and Molecular Pharmacology, Max Planck Institute, for Biophysical Chemistry, Göttingen, Germany, require well-equipped research laboratory to work on mechanisms of chemical carcinogenesis, involving the development of biochemical work, experimental improvement, and transcription culture. Selection within the range of $8,000 to $10,000 per annum for the research associate, $8,000 to $15,000 for the technician. Start of appointment 1 December 1974 or earlier. Opportunity to participate in important current research. Experience in purification and study of enzymes and knowledge of German an advantage but not essential. Four years of research experience with the names of referees and relevant laboratory experience should be sent to Dr. F. W. L. Oesch, Biochemistry of the University, Klingerbergstrasse 70, CH-4056 Basel, Switzerland.

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DIRECTOR IMMUNOLOGY RESEARCH
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Associate professor of Medical Mycology. Experienced in teaching and clinically oriented research. Preference given to an individual who is an expert in yeasts and “opportunist” fungi preferred. Send curriculum vitae to: Dr. Dighton J. Rowan, Director, Advanced Mycology Laboratory, Southern Illinois University School of Medicine, P.O. Box 3193, Springfield, Illinois 62736. An equal opportunity employer.

NEUROPHYSIOLOGIST-BEHAVIORAL BIOLOGIST

A faculty position is available to develop a teaching and research program in a Ph.D. granting institution. Rank and salary are dependent on qualifications. Interested applicants should submit curriculum vitae, including areas of research interest and three references to: Dr. K. Medway, Department of Biology, Wayne State University, Detroit, Michigan 48202. An Equal Opportunity Employer.

PHARMACOLOGY—Ph.D.

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Hoechst, one of the world’s largest Pharmaceutical Chemical companies has a new opening in its Pharmaceutical Marketing Department. This position has responsibility for providing technical expertise to our Marketing Department and in communications with outside physicians.

We are seeking a candidate with a Ph.D. in pharmacology or Physiology, and preferably some research background in neuropharmacology. Excellent verbal and written skills are required. This would be an excellent opportunity for an individual now in research to enter the field of pharmaceutical marketing.

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Position requires Ph.D. and demonstrated ability to plan, organize, and carry out major applied science projects in the marine environment. Principal competence sought in electronic-mechanical area to conceive, design and test equipment and systems for ocean exploration, data acquisition, and processing. At least 3 years experience in oceanographical and related work desired. Responsibilities will involve establishment of self-sustaining research program, contributions to ongoing research projects, graduate teaching, student advisement, and occasional public service duties.

Location is at Maine State Center of the University of Maine, Orono, near to Bangor. Position is with the College of Marine Studies, a graduate professional organization offering the M.S., M.A., and Ph.D. degrees. Salary range is open, commensurate with record of accomplishment and future potential. Starting date flexible at optimum time being January through June 1975.

The University of Delaware is an equal opportunity affirmative action employer.

Send application and inquiries to: Dr. Vesta W. Klemes, Chairman of Search Committee, College of Marine Studies, University of Delaware, Newark, Delaware 19711, (302) 738-1212.

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College of Petroleum & Minerals

Saudi Arabian Educational Mission

880 Third Avenue—17th Floor

New York, N.Y. 10022

Prospective candidates will be interviewed by college representatives early 1975.
The DEPARTMENT OF PHYSIOLOGY at The University of Texas Health Science Center at San Antonio is seeking to hire one faculty member in various areas of cellular and molecular physiology. Responsibilities include teaching, conducting research, and serving on departmental committees.

1) An Endocrinologist to teach the molecular aspects of endocrine physiology and to carry out research on calcium and its role in cellular function and their action on bone.

2) A Cardiovascular Physiologist to teach broad areas of cardiovascular physiology and to carry out research in some aspect of cardiac physiology.

3) A Neurophysiologist to teach neurophysiology and to carry out research in some aspect of central nervous system function.

The positions are at the Assistant Professor level. A Ph.D. or M.D. or other appropriate doctoral degree is required. Experience is relevant. Interested applicants should submit curriculum vitae and bibliography to Dr. Edward J. Masoro, Department of Physiology, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, Texas 78284.

TEACHING POSITION AVAILABLE SEPTEMBER 1975

PHYSIOLOGIST, Assistant Professor, Ph.D. Undergraduate teaching in physiology or zoology; preference for research at cell-organ level with background in specific sensory organs or reticulo-endothelial system; postdoctoral experience desirable; direct graduate student experience desirable. Write Dr. A. W. Pritchard, Chairman, Search Committee, University of Oregon, Eugene, Oregon 97403. OSU is an affirmative action employer.

PLANT DEVELOPMENT BIOLOGIST

A faculty position is available to develop a teaching and research program in a Ph.D. granting institution. Rank and salary are dependent on qualifications. Interested applicants should submit a curriculum vitae including area of research interest and three references to: Dr. Robert B. Goldberg, Department of Biology, Wayne State University, Detroit, Michigan 48202. An Equal Opportunity Employer.

POSTDOCTORAL ASSOCIATE

Immediate position available for biochemist interested in research on protein biosynthesis mechanism. Send resume to: Dr. S. Chladek, Michigan Cancer Foundation, Detroit, Michigan 48201

DEPARTMENT EXECUTIVE OFFICER

Will work with Chairman of Chemistry Department to provide administrative and management planning services and coordinate many-faceted operations of the department. Responsibilities will include supervision and coordination of business activities such as preparation of departmental budgets, monitoring of contract and grant expenditures, and planning and carrying out research and teaching facilities. Responsibilities will also include supervision of administrative staff in charge of business, student affairs, facilities, and personnel resources. At least a master's degree is required. Send resume to: Chairman, Chemistry Department, University of Michigan, Ann Arbor, Michigan 48109.

The DEPARTMENT OF BOTANY, University of North Carolina, has an opening immediately available for a PLANT ECOLOGIST. Applicants with a Ph.D. and interest in physiological ecology and field studies of aquatic or terrestrial systems will be given preference. Postdoctoral experience desirable; direct graduate student experience desirable. Send curriculum vitae, references, and statements of research plans to: Dr. P. H. Pulsinelli, Department of Botany, University of North Carolina, Chapel Hill, N.C. 27514. An Equal Opportunity Employer.

PLANT PATHOLOGIST. Needed is a group leader to conduct testing of a large number of compounds as potential fungicides and bactericides. Responsibilities include: planning and carrying out research; determining parameters to be used in testing and developing methodology. Ph.D. or equivalent experience in plant pathology desired. Send curriculum vitae to: K. R. Thompson, Chevron Chemical Co., 940 Hensley Street, Richmond, California 94804.

Kirkland College, a liberal arts college for women with curriculum and facilities in the arts and sciences, in preparation for graduate study, offers an appointment in the Department of Biology for the fall semester. Responsibilities include teaching courses in plant biology and plant physiology, conducting independent research, and participating in undergraduate biology instruction. Send resume to: R. W. Howell, an Equal Opportunity Employer.

PHYSIOLOGIST

Assistant or Associate Professor of Physiology to start as early as July 1975. Neuroendocrinologist preferred with special interest in biosynthesis and structure of protein hormones to work collaboratively with well-established group. Successful candidate will be expected to participate in undergraduate, graduate, and postdoctoral level teaching. Rank and salary determined by qualifications. Send curriculum vitae and names of three references to: Dr. J. Kraicer, Department of Physiology, Queen's University, Kingston, Ontario, Canada.

RESEARCH ASSOCIATE

A position is available for research in the areas of cell biology. Responsibilities include: characterizing cell lines, tissue culture, and utilize cell culture system for basic research. Send curriculum vitae, references, and statement of research interest to: Chairman, Department of Basic Science, Medical University of South Carolina, Charleston, South Carolina 29425.

REPRODUCTIVE BIOLOGIST

Full-time faculty position available for 1 September 1975 in the Department of Biological Sciences. Salary and academic rank (Instructor or Assistant Professor) to depend on qualifications. Send curriculum vitae and names of three references to: Neena Schwartz, Department of Biological Sciences, Northwestern University, Evanston, Illinois 60201. Northwestern University is an Equal Opportunity Employer.

RESEARCH ASSISTANT (Assistant to the Director) Ph.D., in Transportation or related field. Demonstrated ability in oral presentation, technical writing, and technical education administration. Prepare literature summaries and reports, represent institute at meetings and in newsletter, develop short courses and seminars; and so forth. Send curriculum vitae and references to: Jack E. Stephens, Acting Director, Transportation Research Laboratory, Department of Civil Engineering, University of Missouri, Columbia, Missouri 65201. The University of Missouri is an Equal Opportunity, Affirmative Action Employer.

RESEARCH ASSOCIATE

Postdoctoral position currently available for Ph.D. to participate in research on a number of areas dealing with the interaction between parathyroid hormone and target cell membranes. This position is available immediately with an annual stipend of $1,000. Send curriculum vitae and at least two names of references to: Dr. Leonard R. Forte, Department of Pharmacology, M.23 Medical Sciences Bldg., University of Missouri, Columbia, Missouri 65201. The University of Missouri is an Equal Opportunity, Affirmative Action Employer.

SCHOOL OF MEDICINE, University of California, San Diego. An Equal Opportunity Employer.

SCIENCE, VOL. 186
The Faculty of the Department of Biochemistry, University of California at Berkeley anticipates opening 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 course. 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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UCLA

University of California, Los Angeles, Department of Geology invites applications for two-year faculty appointments as assistant professor. A Ph.D. is required. Two faculty two-year positions will be available beginning September 1975. Applicants must have truly superior capabilities in one or more of the relevant basic physical or biological sciences. Two earth scientists will be selected from the three following general areas:

1) Those engaged in research in one or more of the fields (a) igneous or metamorphic petrology; (b) ore genesis; (c) experimental or theoretical geochemistry; (d) mineral physics. Examples of emphasis include thermodynamics of irreversible processes and chemical or thermal diffusion.

2) Those engaged in research in the areas of tectonophysics, geological physics, or structural geology. Of particular interest are: (a) solid-state aspects of microscopic phenomena-fracture and flow of rocks, diffusion, thermodynamics, and lattice dynamics; (b) global tectonics; (c) quantitative modeling of large or small scale processes.

3) Marine science, those engaged in research in organic geochemistry, ecology, or marine geology. Examples of emphasis include diagenesis of sediments, interstitial water, evolution, phycology (calcareaous algae), invertebrate biology, and global tectonics.

Send vitae and two letters of reference to:
Clarence A. Hall, Chairman
Department of Geology
University of California, Los Angeles
Los Angeles, California 90024

Minority and ethnic earth scientists are encouraged to apply. UCLA is an affirmative-action/equal opportunity employer.

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<td>2433-01</td>
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<td>135-165</td>
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<tr>
<td>2433-34</td>
<td>Deoxycytidine 5'-Triphosphate, Tetraammonium Ion</td>
<td>15,000-30,000</td>
<td>$4 mc</td>
</tr>
<tr>
<td></td>
<td>(ethanol; water 1:1)</td>
<td></td>
<td>165.5 mc</td>
</tr>
<tr>
<td>2433-58</td>
<td>Deoxyguanosine 5'-Triphosphate, Tetraammonium Ion</td>
<td>&gt;10,000</td>
<td>40.1 mc</td>
</tr>
<tr>
<td></td>
<td>(ethanol; water 1:1)</td>
<td></td>
<td>165.5 mc</td>
</tr>
<tr>
<td>2433-66</td>
<td>Deoxyguanosine 5'-Triphosphate, Tetraammonium Ion</td>
<td>&gt;10,000</td>
<td>40.1 mc</td>
</tr>
<tr>
<td></td>
<td>(ethanol; water 1:1)</td>
<td></td>
<td>165.5 mc</td>
</tr>
<tr>
<td>3122-31</td>
<td>Glycine ([14C] (0.01 N HCl sol.) (U)</td>
<td>95-100</td>
<td>60-500 uc</td>
</tr>
<tr>
<td></td>
<td>(st. aq.)</td>
<td></td>
<td>110-1 mc</td>
</tr>
<tr>
<td>2433-59</td>
<td>Guanosine 5'-Triphosphate, Tetraammonium Ion</td>
<td>5,000-15,000</td>
<td>$40.1 mc</td>
</tr>
<tr>
<td></td>
<td>(ethanol; water 1:1)</td>
<td></td>
<td>165.5 mc</td>
</tr>
<tr>
<td>3122-61</td>
<td>L-Valine ([14C] (0.01 N HCl sol.) (U)</td>
<td>&gt;40,000</td>
<td>40.1 mc</td>
</tr>
<tr>
<td></td>
<td>(st. aq.)</td>
<td></td>
<td>150-5 mc</td>
</tr>
<tr>
<td>2533-83</td>
<td>Thymidine ([14H] (st. aq.)</td>
<td>360</td>
<td>60 mc</td>
</tr>
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<td></td>
<td>([14H] (st. aq.)</td>
<td>60 mc</td>
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<tr>
<td>2533-84</td>
<td>Thymidine ([14H] (st. aq.)</td>
<td>1900</td>
<td>60 mc</td>
</tr>
<tr>
<td></td>
<td>([14H] (st. aq.)</td>
<td>60 mc</td>
<td></td>
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<tr>
<td>2533-85</td>
<td>Thymidine ([14H] (st. aq.)</td>
<td>3000</td>
<td>60 mc</td>
</tr>
<tr>
<td></td>
<td>([14H] (st. aq.)</td>
<td>60 mc</td>
<td></td>
</tr>
<tr>
<td>2533-86</td>
<td>Thymidine ([14H] (st. aq.)</td>
<td>6000</td>
<td>60 mc</td>
</tr>
<tr>
<td></td>
<td>([14H] (st. aq.)</td>
<td>60 mc</td>
<td></td>
</tr>
<tr>
<td>2533-87</td>
<td>Thymidine ([14H] (st. aq.)</td>
<td>&gt;10,000</td>
<td>60 mc</td>
</tr>
<tr>
<td></td>
<td>([14H] (st. aq.)</td>
<td>260 mc</td>
<td></td>
</tr>
<tr>
<td>2533-88</td>
<td>Thymidine ([14H] (st. aq.)</td>
<td>40,000-60,000</td>
<td>60 mc</td>
</tr>
<tr>
<td></td>
<td>([14H] (st. aq.)</td>
<td>260 mc</td>
<td></td>
</tr>
<tr>
<td>2433-93</td>
<td>Thymidine 5'-Triphosphate, Tetraammonium Ion</td>
<td>&gt;40,000</td>
<td>40.1 mc</td>
</tr>
<tr>
<td></td>
<td>(methyl-1H) (st. aq.)</td>
<td>150 mc</td>
<td></td>
</tr>
<tr>
<td>1533-94</td>
<td>Thymidine 5'-Triphosphate, Tetraammonium Ion</td>
<td>&gt;40,000</td>
<td>40.1 mc</td>
</tr>
<tr>
<td></td>
<td>(st. aq.)</td>
<td>150 mc</td>
<td></td>
</tr>
</tbody>
</table>

Special Offer and Special Prices and November 30, 1974

Circle No. 115 on Readers’ Service Card

Also available: [H] - Bovine Serum Albumin
(specific activity ~ 43 G/mM) .... please inquire