Energy

ENERGY: USE, CONSERVATION, AND SUPPLY

For the scientist, for the engineer, for everyone concerned with the profound and far-reaching effects of energy problems...

AAAS is pleased to announce the availability of a new publication—ENERGY: Use, Conservation, and Supply, a collection of enduring and readable articles designed to help the individual seeking to understand the energy problems we face and looking for practical solutions to these problems.

ENERGY: Use, Conservation, and Supply is a compendium of articles that originally appeared in Science during 1973-1974. Together, these articles present an interesting and informative look at energy problems as they affect and are affected by people and institutions, by existing and potential resources, and by developing technologies. Whether you intend it for personal use or for use in classroom or seminar-type settings, ENERGY: Use, Conservation, and Supply will be a valuable addition to your library. Available in your choice of paperbound or casebound editions.

Edited and with an introduction by Philip H. Abelson
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Now in its third printing, this authoritative book is a valuable resource for anyone wishing to explore the scientific and technological basis of the energy dilemma. It surveys current and future sources of energy, describes the relevant technologies, assesses their potential impact on the environment, and identifies the technical obstacles to their development.

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By Allen Hammond, William Metz, and Thomas Maugh II
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30 MAY 1975

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ASSISTANT PROFESSOR in the Department of Behavioral Sciences, Harvard School of Public Health: D. of psychology required. Duties include teaching courses in clinical, cultural anthropology. Someone who will take responsibility for teaching physicians and other health workers aspects of patient–physician transaction and personal and health behaviors. Should have research interest in area of cognitive behavioral medicine. Contact: Steve W. Call, Harvard School of Public Health, 677 Huntington Avenue, Boston, Massachusetts 02115.

ASSISTANT PROFESSOR, DEPARTMENT OF PATHOLOGY

Neurochemistry, protein membranes - cell and subcellular fractionation.

Contact:
Dr. N. Gonatas
447 Johnson Pavilion G/C
University of Pennsylvania School of Medicine
Philadelphia, Pa. 19174

PHD. BIOCHEMISTRY/PHYSIOLOGY

Research position available at Instructor level.
Qualifications: Postdoctoral experience, good background, and interest in methodology. Experience in hormone metabolism. Salary dependent upon qualifications. Female and minority candidates are encouraged to apply.
For information write to:
Box 239, SCIENCES

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For information write to:
Box 239, SCIENCES

BIOCOMPUTATION

The Medical College of Georgia is seeking a Dean for its School of Medicine. The candidate should have an M.D. degree and an established reputation for leadership in medical education, administration, and research. Interested persons are invited to submit applications or nominations, including curriculum vitae and bibliography, to: Dr. V. M. Williams, Jr., M.D., Chairman, Search Committee, Department of Surgery, Medical College of Georgia, Augusta, Georgia 30902. The Medical College of Georgia is an Equal Opportunity/Affirmative Action Employer.

DEAN, SCHOOL OF MEDICINE

The Johns Hopkins University is seeking a Dean for its School of Medicine and Public Health.

The Johns Hopkins University School of Medicine and Public Health, a leader in the field since its founding in 1915, is seeking a new Dean to lead the School in the coming century. The position is open to all qualified candidates, and we anticipate that this opening will be filled by July 1976. Applications and nominations will be considered without regard to race, religion, sex, or national origin.

Contact: Dr. Robert Reynolds, Department of Anesthesiology, 171 Hall Avenue, Baltimore, Maryland 21205

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DIRECTOR OF RESEARCH IN ANESTHESIA: Ph.D. experience in pharmacological or physiological research required. Rank and salary depending on ability and experience. Must conduct research, train fellows in research, and teach joint appointment with Pharmacology Department. Must have experience with obtaining grants. Contact Dr. Robert Reynolds, Department of Anesthesiology, Johns Hopkins University School of Medicine, Baltimore, Maryland 21205.

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POSITIONS OPEN

ASSISTANT PROFESSOR, immediate opening in unique, internationally known department for research and teaching positions in the area of hybridization of food and fermented products, wine, and brandy, especially production and engineering aspects. Ph.D. with qualifications in chemical or biological engineering required. Food or fermentation science or related fields are of supporting value. Send resume and three references to Dr. A. D. Webb, Chairman, Department of Viticulture and Enology, University of California, Davis, California 95616. The University of California is an Equal Opportunity Employer. We encourage applications from persons regardless of sex, ethnic, or religious background. Applications received after 31 July 1975 are not considered.

ASSISTANT PROFESSOR, BIOCYBERNETICS

Applications are invited for the above position at the University of California, Davis, for individuals with the following qualifications: (i) Ph.D. or M.D. degree, (ii) "hybrid" training and/or experience in the system sciences, computer and physics or medicine; (iii) demonstrated competence and sincere interest in both teaching and independent research; (iv) demonstrated competence and continuing research interest in immunologic and biochemical systems, immunology, metabolism, or related fields; (v) ability to teach interdisciplinary courses involving the development and application of advanced systems analysis and identification methods in immunology, physiology, and pharmacology. A "systems physiologist" with training and interest in animal experimentation and with the qualifications listed above is desired. The position involves establishment of new positions, and names of three references to: Professor J. D. Fietschino, III, Engineering Systems Department, 473 Science Hall, University of California, Davis, California 95616. Telephone: 213-852-7482. An Equal Opportunity/Affirmative Action Employer.

THE JOHNS HOPKINS UNIVERSITY IS SEEKING A DEAN OF THE SCHOOL OF HYGIENE AND PUBLIC HEALTH

The Johns Hopkins University School of Hygiene and Public Health, a leader in the field since its founding in 1915, is seeking a new Dean to lead the School in the coming century. The position is open to all qualified candidates, and we anticipate that this opening will be filled by July 1976. Applications and nominations will be considered without regard to race, religion, sex, or national origin.

Contact: Proosto, Howard Wolf, Chairman, Search Committee, Dean of the School of Hygiene and Public Health

The Johns Hopkins University, Baltimore, Maryland 21211

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University of Amsterdam
In the Subfaculty of Biology (Unit of Special Zoology) is a vacancy for the post of

lecturer
in systematic and geographic zoology.

The new lecturer will be charged with teaching students in Biology, both on pre- and post-candidate level, and with supervision of their research. The actual activity of the Unit are in the field of taxonomic zoology, zoogeography, history of natural science and autecology. These duties will be executed in close cooperation with the professor and staff members of the Unit. Preferably, the new lecturer will have, in addition to good teaching capacities, research experience in the field of phylogenetic taxonomy and/or historical zoogeography. The candidate must have the intention to learn Dutch.

Applications, containing as much relevant information as possible, should be directed, within 4 weeks after the publication of this periodical, to Prof. Dr. J. H. Stock, Institute of Taxonomic Zoology, Plantage Middenlaan 53, Amsterdam, The Netherlands, quoting nr. 282.
GRANTS REPRESENTATIVE for private science foundation. Career position for physical scientist with Ph.D. having teaching and research experience in higher education and broad interests in advancement of science. Extensive travel from office in southeastern United States to colleges, universities, and scientific institutions. Consider faculty and administrators to identify outstanding young investigators seeking grant funds for support of basic research in the physical sciences. Work with scientific advisory committee in evaluating research proposals and potential for achievement of grant applicants. Opportunity for creative thinking and independent action as part of small, close, highly motivated staff. Equal Opportunity Employer encourages applications from all qualified candidates. Send résumé, curriculum vitae, and names of three references to: Dr. Robert C. Smith, Vice President-Grants, Research Corporation, 405 Lexington Avenue, New York, N.Y. 10017.

MARINE BIOLOGY
Assistant or Associate Professor of Marine Biology, a doctoral degree in Marine Biology with specialization in invertebrate zoology or botany; college-level teaching experience required. Salary range from $12,960 to $18,570 plus $3,000 housing allowance and $1,000 relocation expenses. Position available 15 August 1975. Send résumé and letter of application to: Dr. James A. Dougherty, Chairman, Division of Science and Mathematics, College of the Virgin Islands, St. Thomas, U.S. Virgin Islands 00801. The College provides an Equal Opportunity to all candidates.

POSTDOCTORAL POSITION in Biochemistry ($12,000 minimum) available on or before 1 September 1975. Research involves the synthesis of radioactive analogs of ATP for affinity labeling of enzymes. Send curriculum vitae and three letters of recommendation to: Dr. Robert Schlissel, Department of Biological Chemistry, University of Illinois at the Medical Center, 1853 West Polk St., Chicago, Illinois 60612. An Equal Opportunity Employer.

LINCOLN UNIVERSITY COLLEGE OF AGRICULTURE
New Zealand Lecturer/Senior Lecturer in Agricultural Microbiology

The Council of Lincoln College invites applications for the position of Lecturer/Senior Lecturer in Agricultural Microbiology. Applicants should have a postgraduate degree in Science or Agricultural Sciences and have appropriate teaching and research experience.

Duties include lecturing to Degree and Diploma classes particularly in those aspects relating to plant diseases and the supervision of postgraduate students. Research in a field of Microbiology related to Agriculture will be encouraged.

The successful applicant will be appointed as Lecturer or Senior Lecturer according to qualifications and experience. The present academic salary range is: Lecturer NZ$7,797-$9,838; Senior Lecturer NZ$10,057-$11,718 to NZ$12,062-$12,743. New Zealand Government Superannuation available.

Removal expenses and fares of the successful applicant will be reimbursed up to specified limits.

Applications close on 30 June 1975.

POSITIONS OPEN

PLANT SYSTEMATICIAN

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

Assistant Professor of Botany with specialty in plant systematics. Candidates must hold Ph.D., be interested in teaching at both the undergraduate and graduate level, curating the University herbarium, and developing research programs, manuscripts, and potential for achievement of grant applicants. Opportunity for creative thinking and independent action as part of small, close, highly motivated staff. Equal Opportunity Employer encourages applications from all qualified candidates. Send résumé, curriculum vitae, and names of three references 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 6 June 1975. An Equal Opportunity/Affirmative Action Employer.

IMMUNOCHEMIST


Box 242, SCIENCE

UNIVERSITY OF READING

Postdoctoral Research Fellow required initially for 2 years. The Fellow will investigate the synthesis of radioactive analogs of ATP for affinity labeling of enzymes. Send curriculum vitae and three letters of recommendation to: Dr. Robert Schlissel, Department of Biological Chemistry, University of Illinois at the Medical Center, 1853 West Polk St., Chicago, Illinois 60612. An Equal Opportunity Employer.

PREDCTORAL STUDY IN PHYSIOLOGY

The Department of Physiology provides graduate training leading to the Ph.D. degree in areas of cellular and molecular endocrinology, cell membrane transport; lipid metabolism and obesity; myocardial, skeletal, and smooth muscle physiology and biophysics; cardiovascular physiology; and tumor and cell biology. Assistantships are available for qualified applicants. For details write to: Chairman, Graduate Committee, Department of Physiology and Biophysics, University of Illinois at the Medical Center, P.O. Box 6998, Chicago, Illinois 60680.

RESEARCH ASSOCIATE

Applied mathematicians and/or fluid mechanicians needed for research on mathematical modeling of lake currents and aquatic ecosystems. Candidates should have competence in numerical methods and fluid mechanics. Competence in or willingness to learn biology and chemistry is desirable. Applicants should have a Ph.D. and at least three years of relevant experience. Send current vita and references to: Professor Wilbert Lick, Department of Earth Sciences, Case Western Reserve University, Cleveland, Ohio 44106. An Equal Opportunity Employer.

RESEARCH ASSOCIATE with Ph.D. in Biophysics and strong background in biochemistry for work on ongoing research project in the areas of thrombosis. Applicant must have at least 3 years of previous research experience in the areas of hemostasis and thrombosis particularly with work on the functions of platelets and platelet functions. Must be able to develop microelectrophoresis, plasma protein purification, and radioligand techniques and in protein and biological specimens for transmission and scanning electron microscopy. Familiarity with tissue culture and routine platter testing highly desirable. The candidate selected would assume immediate responsibility of the better part of a research project funded by a federal agency on a contractual basis. Wish to fill position by 1 July 1975. Send application with full particulars, copies of pertinent publications, and two letters of reference to: Dr. G. A. Mapleton, Chairman, Department of Biophysics, University of Illinois at the Medical Center, P.O. Box 6998, Chicago, Illinois 60680. An Equal Opportunity Employer.

POSITIONS OPEN

RESEARCH ASSOCIATES

TUMOR IMMUNOLOGY

Two contract-supported positions available 1 June in La Jolla, California (San Diego area), research institution to (i) develop techniques for the selective enrichment of inflammatory cells recovered from disaggregated neoplasms or (ii) investigate macrophage-mediated cytotoxicity. Applicants with backgrounds in immunology and experience with cell separation techniques or macrophages are preferred. Salary $13,500 to $15,000. Send complete résumé to Box 232, SCIENCE.

SENSORY NEUROANATOMY—ULTRASTRUCTURE

Interdisciplinary center for sensory sciences has faculty position for investigator of neurosensory system by modern anatomical techniques including ultrastructure and light microscopy. Must lecture on neuroanatomical systems, offer advanced systems and techniques, and be qualified to supervise graduate and postdoctoral students in laboratory. Rank and salary open. Send curriculum vitae to: Dr. H. G. Spering, Sensory Science Section, National Institutes of Health, Building 8, Room 8A-12, Houston, Texas, 77025. An Equal Opportunity/Affirmative Action Employer.

STAFF POSITION in small primate oncology research group at National Cancer Institute currently available for recent Ph.D. and/or M.D. with proven ability in mammalian somatic cell hybridization, cytogenetics, and competition radioimmunoassay. Salary range approximately $15,000 per annum, depending largely upon experience and credentials. Also, TISSUE CULTURE TECHNICIAN for above with master's degree in biology or related field. Experience with oncology research. Salary approximately $12,500. Send curriculum vitae and references to Box 241, SCIENCE.

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Excellent opportunity to supervise staff of pharmacologists in evaluating data supporting safety of new Cardiovascular, Renal, G-I Drugs. Requires high degree of judgment, leadership, ability to function effectively on BIOMED Team monitoring progress of investigation in humans. Also ability to communicate effectively with M.D., Ph.D. Investigators. Must be U.S. citizen, have comprehensive background in pharmacology and/or toxicology and experience in one of the cited drug classes. Career-conditional appointment. Equal Opportunity Employer. Vacancy Announcement PDP-7-5/1-B. Send SF 171 to PPO, Room SB-21, Mr. Brenda, 5600 Fishers Lane, Rockville, Md. 20852.

VIROLOGISTS. Two positions open, immediately available; postdoctoral, salary range $10,000 to $13,500 per annum. Applicants should have experience or training in immunochemistry and molecular virology. Experimental background in interferon area desirable. Applicants expected to send résumé (incl. references) and three letters of reference to: Dr. W. A. Carter, Chairman, Department of Medical Viral Oncology, Roswell Park Memorial Institute, 660 Elm St., Buffalo, N.Y. 14263.

MARKET PLACE

Do You Need... ADDITIONAL INCOME

An unusual opportunity is available for qualified professionals in Biology, Chemistry, or Physics to earn significant extra income without distraction from other interests. We are a highly successful organizational group preparing medical and dental school applicants for the MCAT & DAT exam each May and September, nationwide. Applicants need have experience in teaching Biology or Chemistry and enjoy function autonomously (with our expert guidance and materials). California residents please call Howard Atchison, 714-769-9963, or write Sheldon N. Rose, Educational Center, 870 N.W. 174 Street, Miami, Florida 33169.
The Subfaculty of Chemistry of the "Vrije Universiteit", Amsterdam, has a vacancy for a

**full professor in analytical chemistry**

The successful candidate is expected to participate in the coordination and direction of educational and research activities within the Analytical Chemistry Section of the Department of General and Analytical Chemistry.

Applicants with a general analytical training and who have productive experience in environmental analysis, or those who are willing to attend to this aspect of analysis, will be considered for this post.

The "Vrije Universiteit" was founded in 1880 as a private non-denominational christian institution and is now a fully state-subsidised private university. The preamble to its charter speaks of the Christian idea of service as the university's guiding principle. It will be appreciated if candidates will express their attitude towards this principle in their application.

Applications (accompanied by a curriculum vitae, a list of publications and references), as well as suggestions concerning qualified candidates for this function, should be submitted within one month after appearance of this advertisement, to the Department of Personnel Affairs, Vrije Universiteit, De Boelelaan 1105, P.O. Box 7161, Amsterdam - 1011, The Netherlands.

Further information is obtainable from the secretary of the nomination committee, dr. N. H. Velthorst, De Boelelaan 1085, Amsterdam - 1011, The Netherlands; telephone: 020 - 548 35 78 or 548 47 79.
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What have we done that’s new? Nothing, really. Except a few styling improvements. But basically, it’s the same high-quality instrument you’ve been using for over 60 years. And, you know it’s a good one.

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