The only 1 gallon Blender in the world is a Waring Blender. The only Blender designed especially for laboratory use is a Waring Blender. For more information on the world’s only Waring Laboratory Blender write: Waring Products Division, Dynamics Corporation Of America, Route 44, New Hartford, Conn. 06057.

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POPULATION: Dynamics, Ethics, and Policy

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

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

Send orders to Dept. PC-3

AMERICAN ASSOCIATION for the ADVANCEMENT of SCIENCE
1515 Massachusetts Avenue, N.W.
Washington, D. C. 20005

Personnel Placement

Only those employers who will not discriminate on the basis of race, sex, religious or national origin should submit Personnel Placement advertising.

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

DISPLAY (POSITIONS OPEN, MARKET PLACE, and so forth): $110 per inch, minimum (1 inch is equivalent to 12 lines of 48 characters each). Ads over 1 inch billed to nearest quarter inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Prepayment required for foreign advertising. Purchase of orders and billing information must accompany all other advertising.

COPY for ads must reach SCIENCE by Wednesday, 3-1/2 weeks before issue date (Friday of each week) requested. Send copy for all positions wanted ads and display ads under 5 inches to:

SCIENCE
1515 Massachusetts Ave., NW
Washington, D. C. 20005

Send copy for display ads. 1/6 page and larger, to:
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11 West 42nd Street
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SCIENCE
1515 Massachusetts Ave., NW
Washington, D. C. 20005

Effective 1 January 1976, the display rate (Positions Open, Market Place, Fellowships, and so forth) will be $130 per inch, minimum, per insertion.

POSITIONS WANTED


Aquatic Microbiologist, Ph.D., specializing in freshwater bacteriology and microbial ecology. Desires position in research or teaching. Box 304, SCIENCE.


Physiologist/Biomedical Engineer, Ph.D. (physics) 1969. Three years of postdoctoral, 7 years of medical school research. Strong background in electrophysiology, computer simulation, and instrumentation. Seeks research and teaching position. Box 508, SCIENCE.

PHYSICIST, Ph.D. (1973), desires immediate intern-type position in science writing/editing/reporting. Box 507, SCIENCE.

SEROLOGIST, M.D., D.Sc. Desires research position in United States/Canada. Fifteen years of experience in immunohematology, genetics, cytokinetics, blood groups, serotyping. H2 and H1. A system immunology, immunoenlectrophoresis, radioimmunossay, raising antisera, and so forth. Box 509, SCIENCE.

POSITIONS OPEN

WANTED—TWO ASSISTANTS whose training has been in microbiology and/or immunology. A B.S. or M.S. degree is desired. Work will consist of helping in and developing studies on radiation and viral and bacterial cultivation, purification and concentration of biologicals, and animal responses to various biologicals. This is primarily D work in a medical research foundation in Florida. If interested, indicate salary wanted. Box 503, SCIENCE.

ANIMAL PHYSIOLOGY/ASSISTANT PROFESSOR: Teach, coordinate beginning sequence in physiology for majors. Participate in undergraduate biology courses, develop graduate course in specialty. Research in biomedical and/or environmental health physiology. Ph.D. required. Address inquiries to: Dr. K. L. Ewing, Box 3, Department of Biological Sciences, Kent State University, Kent, Ohio 44242. Equal Opportunity/Affirmative Action Employer.

University of New Brunswick, Department of Biology. It is expected that a position will become available at the ASSISTANT/ASSOCIATE PROFESSOR level starting 1 July 1976. Qualifications candidates should have a Ph.D. in microbiology with some teaching and research experience. Salary: in assistant/associate professor range, commensurate with experience. Responsibilities: microbiology. (i) To teach a two-term course with laboratory work, mainly to science students, in general microbiology and (ii) to teach a one-term course, at present without laboratory work, to more advanced students in microbiological physiology. The successful candidate would be expected to develop a viable research program in his/her own area of specialization. Applications including curriculum vitae and names of three referees should be sent by 31 January 1976 to: Dr. M. D. B. Burt, Chairman, Department of Biology, University of New Brunswick, Fredericton, New Brunswick, Canada, E3B 5A3.

ASSISTANT PROFESSOR—DEVELOPMENTAL BIOLOGY

Beginning August 1976, $13,500 for 9 months, augmented by summer teaching, if desired. Applicant must have strong academic preparation, experience in vertebrate morphogenesis. Responsibilities include an undergraduate vertebrate embryology course with emphasis on ontogeny of organ systems, a graduate-level course in field of competence, a productive research program, and direction of graduate students. Research may be at any level, molecular to whole animal, and in any relevant field from biochemistry to morphology. Qualified persons should submit a curriculum vitae, transcripts, names of three recommenders, reprints, and a statement of teaching and research interests to: Embryology Search Committee, Department of Zoology and Physiology, Louisiana State University, Baton Rouge, La. 70803. Closing date is February 1976.

DEPARTMENT OF NUTRITION UNIVERSITY OF GEELPH. COLLEGE OF HUMAN SCIENCES

Applications are invited for the position of assistant professor or associate professor. Applicants should have a background in experimental nutrition with strong training in biochemistry and physiology. Candidates with postdoctoral experience will receive preference. The position requires participation in undergraduate and graduate teaching as well as research. Salary is commensurate with qualifications and experience. Effective date of appointment is September 1976. Application must include a curriculum vitae and the names of three referees, should be addressed to: H. H. Draper, Chairman, Department of Nutritional Sciences, University of Geelph, Geelph, Ontario, Canada, N1G 2W1.
POSITIONS OPEN

The University of California, Irvine, California College of Medicine, is currently recruiting for an ASSISTANT PROFESSOR.

Candidates should have demonstrated ability to conduct independent research in neurophysiology. Duties of job include the teaching of neurophysiology to medical students. Applications from qualified candidates are welcome. For consideration, please enclose resume. Send name of four references and curriculum vitae to: Dr. Peter F. Hall, Professor and Chairman, Department of Anatomy, University of California, Irvine, California 92717, by 15 February 1976.

UNIVERSITY OF FLORIDA

The Department of Zoology invites applications for several anticipated openings at the ASSISTANT PROFESSOR level for the 1976-77 academic year. The department is responsible for vertebrate ecology (i); vertebrate behavior (ii); general vertebrate biology (preferably with tropic and/or amphibian interest); (iii) animal physiology (preferably with marine interest). All appointees will be expected to lecture in large introductory zoology courses. Candidates must have a commitment to quality undergraduate and graduate teaching, and a demonstrated record of research leading to publications. Closing date for applications is 15 January 1976. Send letter outlining qualifications and brief statement of research plans to: Dr. Peter F. Hall, Professor and Chairman, Department of Zoology, University of Florida, Gainesville, Florida 32611. An Equal Opportunity/Affirmative Action Employer.

If outstanding candidates can be located, the Physics Department of the University of California, Berkeley, expects during the 1976-77 academic year to make a small number of appointments at the ASSISTANT PROFESSOR level. The preferred fields are solid state experimental physics, theoretical astrophysics, and particle physics.

It is probable that no appointment will be made before 1 July 1977, although an earlier date is conceivable. Applicants should write to: Dr. T. W. Kihara, Chairman, Search Committee, Physics Department, University of California, Berkeley, Calif. 94720, giving curriculum vitae, publication list, and references. The University of California is an Equal Opportunity/Affirmative Action Employer.

The University of California, Irvine, Department of Pathology, is recruiting candidates for a partially supported position as ASSOCIATE PROFESSOR or PROFESSOR level who will also serve as CHIEF OF CLINICAL PATHOLOGY. The chief will be responsible for the following: (i) the management of the tissue processing, accessioning, and handling of the University's clinical pathology laboratories; (ii) the development of new diagnostic devices to aid in the management of the laboratories; (iii) the teaching of clinical pathology to the medical students, residents, and graduate students in the Department. Salary range $30,000 to $38,000, depending on experience and qualifications. The University of California is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT RESEARCH BIOCHEMIST/CHIMIST

A position is available in the Biocatalysis and Separation Research Center for an assistant research biochemist expected to supervise and coordinate work of mass spectrometry group of four. Work aims at develop- ment of techniques for analysis of body constituents with the aid of computer-assisted gas chromatography/mass spectrometry in organic homogeneous and heterogeneous systems, at low and high resolution, ability to interpret mass spectra and to supervise professional staff essential. Candidate expected also to undertake inde- pendent research on specific protein structures (gelation, transport, enzymology) for the separation and identification of enzymes and enzyme deficiencies. Relevant experience or essential. Ph. D. or equivalent qualification. UCLA is an Equal Opportunity/Affirmative Action Employer.

BIOPHARMACEUTICALS-PHARMACOKINETICS

The Department of Pharmaceutics, College of Pharmacy, University of Houston, College Station, Texas is searching for a full-time faculty position as associate professor of pharmaceutics. The position requires training in bio- pharmaceutics-pharmacokinetics. Preferred specialties include the study of drug disposition in vivo, local drug effects and the design of dosage forms. Candidates with demonstrated academic accomplishments in these fields are encouraged to apply. Please send curriculum vitae, references, and a letter to: Dr. R. E. Luedy, Department of Pharmaceutics, University of Houston, College Station, Texas 77840. The University of Houston is an Equal Opportunity/Affirmative Action Employer.

CELL BIOLOGY/HISTOLOGY

The Department of Anatomy at Boston University Medical School is seeking applicants for the position of an assistant or associate professor of cell biology and/or histochemistry. The position is open in 1976. Candidates will be expected to participate in the department's undergraduate and graduate programs and in the direction of a vigorous research program, with particular emphasis on clinical investigation.

Send inquiries and applications to: Dr. Stuart Feldman, Department of Pharmaceutics, College of Pharmacy, University of Houston, Houston, Texas 77004. The University of Houston is an Equal Opportunity/Affirmative Action Employer.

BIODESIGN

The Department of Biodesign, School of Architecture, Building and Planning, University of California, Santa Barbara, is seeking applications for the position of assistant professor in the area of environmental design. The position will be involved in the development of a new interdisciplinary program in environmental design which will include courses in urban design, architectural design, landscape architecture, and planning. Send inquiries to: Dr. Richard L. Smith, Department of Architecture, University of California, Santa Barbara, California 93106. The University of California is an Equal Opportunity/Affirmative Action Employer.

BIOLOGY DEPARTMENT AT UCLA

Opening for a faculty member with research interests in marine biology, particularly in the field of plant development. Teaching duties at the undergraduate and graduate levels in related areas. Applications should have postdoctoral research experience. Provide a curriculum vitae noting research and teaching interests and include names of three referees from whom references can be solicited. Send applications to: Chair, Biology Department, University of California, Los Angeles, California 90024. Deadline: 1 Febru- ary 1976.

An Equal Opportunity Employer. Applications from women and members of minority groups are encour- aged.

BIOLoGISTS

Three research teaching positions are available at the level of ASSISTANT PROFESSOR beginning fall 1976 in the fields of Molecular or Microbial Biology, Plant Development/Physiology, Animal Behavior. Excellent research facilities are available, and the teaching program includes both undergraduate and graduate courses. Curriculum vitae and names of at least three references should be sent to the Chair, Biology Department, University of Missouri, St. Louis, 8001 Natural Bridge Road, St. Louis, Missouri 63121. Telephone: 314-531-8111.

An Equal Opportunity/Affirmative Action Employer.

BIOCHEMISTRY/PHYSIOLOGY

The Orthopaedic Biomechanics Laboratory at the University of Cincinnati has an immediate opening for a recent Ph.D. with strong interest and experience in the musculoskeletal system. The successful candidate will participate in a number of research projects including cadaveric studies, tissue studies, and the development of new diagnostic devices to aid in the management of musculoskeletal diseases. Tenure is for years with a stipend of $14,000. Salary range $18,000 to $20,000. Interested candidates should send a resume to: Chair, Orthopaedic Biomechanics Laboratory, College of Medicine, University of Cincinnati, Ohio 45267. An Equal Opportunity/Affirmative Action Employer.

CELLULAR IMMUNOLOGY

The cancer research program of the Department of Pathology at the University of Kentucky is expanding its research faculty to include two positions at assistant or associate professor levels in the areas of cell biology and clinical immunology. The department has open positions for candidates with expertise in these fields. Interested candidates should send their curriculum vitae to: Chair, Pathology Search Committee, University of Kentucky, Lexington, Ky., 40506. An Equal Opportunity Employer.

CHAIRPERSON, DEPARTMENT OF RADIOLOGY

Applications are sought for the position of Chairperson, Department of Radiology, University of Southern California School of Medicine, and Radiology-Physics, Los Angeles County/USC Medical Center. Requirements include Board certification, previous academic experience, and demonstrated capabilities as an educator. Salary commensurate with rank and experience. Interested individuals should send updated curriculum vitae to: Dr. F. M. Gold- enberg, Department of Pathology, MDRF #3, Universi- ty of Kentucky, Lexington, Ky. 40506. An Equal Opportunity Employer.

CHAIRPERSON POSITION, Mechanical Engineering Department at the University of New Mexico, will become vacant 1 July 1976. The department has 12 full-time faculty members, 270 full-time undergraduate majors. Areas of specialization include applied mechanics, heat transfer, and energy programs. The appli- cants must have earned doctorate degree experience in directing doctoral dissertations, ability and interest in scholarly teaching and research, and administrative ca- pacities. Salary and rank commensurate with qualifications and experience. Send credentials to: Chair, Search Committee, Mechanical Engineering Department, University of New Mexico, Albuquerque, New Mexico 87131. An Equal Opportunity Employer.
CHAIRMAN DEPARTMENT OF BIOCHEMISTRY MEDICAL COLLEGE OF VIRGINIA

The Department of Biochemistry in the School of Basic Sciences at the Medical College of Virginia branch of the Virginia Commonwealth University invites nominations and applications for the position of Chairman. The department has 15 faculty, 18 graduate students, and a teaching commitment to professional and graduate programs. Candidates should have an outstanding record of scientific accomplishment, substantial experience in pre- and postdoctoral training, and experience or interest in teaching professional students. Interested applicants should send a curriculum vitae and list of publication to: Chairman, Department of Physiology, Medical College of Virginia, Virginia Commonwealth University, Box 608, Richmond, Va. 23298.

An Equal Opportunity/Affirmative Action Employer

CHAIRPERSON DEPARTMENT OF BIOCHEMISTRY

The West Virginia University Medical Center invites nominations and applications for the position of chairperson, Department of Biochemistry at the West Virginia University Medical Center. Applicants and nominees should have a Ph.D. and/or M.D. degree and must have experience and a strong commitment to teaching of graduate students and of health professions students and to basic medical research. They must be willing to provide strong leadership in teaching and research. The position is available on or about July 1976. All applications received before 15 January will be considered. Nominations and applications should be sent to Dr. Irvin S. Sorber, Chairman, Search Committee, Department of Microbiology, West Virginia University Medical Center, Morgantown, West Virginia 26506, West Virginia University is an Affirmative Action/Equal Opportunity Employer.

DEAN

Clemson University, a state-supported land grant institution, is seeking candidates for Dean of the College of Forestry, Resources, and Conservation. Qualifications include a distinguished record of professional productivity and administrative experience. College activities include undergraduate and graduate teaching, research, extension, and public service in the fields of forest management, wood utilization, and recreation and park administration. Applicant should have a doctorate in one of the above named or closely related fields. Application deadline is 15 March 1976. Position to be filled by 1 July 1976. Contact: Dr. T. E. Wooten, Chairman, Search Committee, Department of Forestry, Clemson University, Clemson, South Carolina 29631.

Clemson University is an Equal Opportunity Employer.

THE UNIVERSITY OF UTAH

invites applications for the position of DEAN of the College of Science. Responsibility is for the academic and administrative head of the College of Science which is comprised of the departments of Biology, Chemistry, Mathematics, and Physics. The position calls for an individual with a strong record of scientific achievement and administrative experience. Candidates should meet the qualifications for a tenured academic position at the rank of full professor. Salary is to be negotiated. Applications or nominations should be submitted before 15 February 1976, and should include curriculum vitae, bibliography, and references. These data should be sent to: Joseph L. Taylor Chairman, Dean Search Committee Department of Mathematics Salt Lake City, Utah 84112

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

DIRECTOR OF WATER RESEARCH LABORATORY AND WATER RESOURCES RESEARCH CENTER

Desire Ph.D. in water-related field with demonstrated administrative ability and experience. National or international recognition, with publications in recognized, prestige, academic experience desirable. Knowledge of research funding sources required. Application deadline: 31 December 1975. Send to: Dr. John Baker, Chairman, Screening Committee, College of Engineering, Utah State University, Logan, Utah 84322. We are an Equal Opportunity/Affirmative Action Employer.
The Peoria School of Medicine, one of three clinical schools within the University of Illinois College of Medicine, is seeking a HEAD OR CHAIRPERSON for the Department of Family Practice. This position requires a Ph.D. in medicine, or an equivalent or a combination of medicine and an additional scientific degree. The candidate must have broad administrative experience and knowledge of funding, educational and research programs, teaching experience, and interpersonal skills. Position available at present, starting date to coincide with selection and approval of the candidate by the Deans of the Peoria School of Medicine. Salary open. The University of Illinois is an Affirmative Action/Equal Opportunity Employer and encourages applications from members of minority groups and women. Interested persons should send curriculum vitae to H. Hugh Rohrer, M.D., Chairman, Search Committee for the Department of Family Practice, Peoria School of Medicine, Room S-143, 1400 West Main Street, Peoria, Illinois 61602. Telephone 312-674-8477, Ext. 217. Applications accepted until 31 March 1976.

HEAD, DEPARTMENT OF ENTOMOLOGY, Ohio State University

The Department of Entomology, Ohio State University, invites applications for the position of department head. Position open 1 March 1976; completed applications should be received by 6 February 1976. For further information about the Department and the position requirements, write: John D. Lattin, Chairman, Department of Entomology, Ohio State University, Columbus, Ohio 43210. Ohio State University is an Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF QUEENSLAND
AUSTRALIA

LECTURER IN ANATOMY

Applicants should be qualified in electron microscopy and/or histology. Applications preferred by 31 December 1975, but will be accepted for a further 14 days.

Salary: $A12,063 to $A16,193 per annum.

Other benefits: Superannuation similar to FSSU, housing assistance, study leave, traveling and removal expenses.

Additional information and application forms are obtainable from the Association of Commonwealth Universities (Appointments), 36 Gordon Square, London, W.C.1 OFP, England.

MEDICAL COLLEGE OF VIRGINIA, WEST VIRGINIA UNIVERSITY

ACQUISITION FACILITY

A manager is being sought for the Data Acquisition Facility (DAF) of the Virginia Commonwealth University Computer Center which provides real-time research computing services to a number of laboratories and clinical research areas at the Medical College of Virginia. The principal resource is a Sigma 6 computer. The incumbent should possess at least a master's degree in science or engineering and have a minimum of 3 years of broad experience with real-time computer systems. Some biomedical and administrative experience would be helpful. Resumes may be sent to: Data Acquisition Center Manager Search Committee Box 16 Medical College of Virginia Station Richmond, Virginia 23298

UNIVERSIDAD VENEZOLANA SOLICITA INGENIERO DE ALIMENTOS

preferentemente (no indispensable: M.S., experiencia profesional, buel Castellano. Enviar Curriculum: Apartado 17082, El Conde, Caracas, Venezuela.

MICROBIAL GENETICIST


PHYSIOLOGIST

Research oriented, to contribute to doctoral program in life sciences and to offer undergraduate/graduate course in vertebrate physiology. Excellent facilities provided, rank and salary open. Preference will be given to applicants with established research programs in areas of electrophysiology such as neuro or comparative. Send curriculum vitae and names of references to: Dr. C. P. Sword, Department of Life Sciences, Indiana State University, Terre Haute, Ind. Applications will be considered only 15 February 1976. Indiana State University is an Affirmative Action/Equal Opportunity Employer.

PHYSIOLOGISTS AND PHARMACOLISTS

The Department of Physiology and Pharmacology at Bowman Gray School of Medicine is in an active period of growth and development. New faculty positions are available at the junior and senior levels. Candidates must have a Ph.D., M.D., or equivalent degree and postdoctoral experience. Evidence of teaching experience and an active research program is important. Areas of particular interest are endocrinology, biochemical pharmacology, and neuropharmacology. Qualified candidates should submit a curriculum vitae, a brief description of current research program, and have three letters of reference sent to: Dr. Alvin Brodfield, Chairman Department of Physiology and Pharmacology Bowman Gray School of Medicine of Wake Forest University Winston-Salem, North Carolina 27103 An Equal Opportunity/Affirmative Action Employer.

PHOTOBIOLOGIST

Here is your opportunity to remain in the forefront of your field. We are a large midwestern proprietary drug, cosmetic, and cereal company, currently expanding our Photobiology Research Program to include a professional scientist with a B.S. degree or higher.

The person we are seeking must have had experience in conducting studies relating to the modification of human responses to sunlight. Instrumentation and ability to work with rodents desirable. Our Fortune 500 company is located in Memphis, Tennessee, one of the fastest growing cities in the nation offering a variety of recreational as well as cultural diversions.

This position offers a salary commensurate with experience as well as a comprehensive benefits package. Please submit your resume, in strictest confidence, including salary history to:

Professional Placement Administrator

Plough, Inc.
Personnel Department
P. O. Box 377
An Equal Opportunity Employer M/F
Memphis, Tenn. 38151
INDUSTRIAL ENVIRONMENTAL TOXICOLOGIST
San Francisco Bay Area

Stanford Research Institute's Center for Occupational and Environmental Safety and Health is seeking an Industrial Environmental Toxicologist to participate in its activities in contract research and consulting research and consulting services for government and commercial clients.

Initial assignments will be associated with the Center's activities in the preparation of NIOSH criteria documents for recommended occupational health standards in SRI's Washington, D.C. office; and in support of a contract with the National Cancer Institute in Environmental Carcinogenesis in SRI's main office at Menlo Park, California. Successful applicants will have solid background in inhalation toxicology and the toxicological aspects of Industrial Hygiene.

Emphasis will be given in evaluating applicants for their ability to critically review the biomedical literature and develop statements to support proposed standards. Previous experience is desirable but can be substituted by unusually strong academic background.

Send resume in confidence to:

STANFORD RESEARCH INSTITUTE
Center for Occupational and Environmental Safety and Health
333 Ravenswood Avenue
Menlo Park, CA 94025

SRI is an equal opportunity employer

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OBS/GYN PHYSICIAN
Physician with considerable Obs/Gyn experience to expand family planning unit at:
THE MOUNT SINAI MEDICAL CENTER
FULL TIME
9 a.m. to 5 p.m., Monday to Friday. Please send curriculum vitae and other pertinent material to:

PHYSIOLOGIST: Syntex's Research Division is seeking an experienced physiologist to supervise their bioassay laboratory and to develop bioassy systems necessary to their research efforts. Qualifications include a Ph.D. in physiology and a minimum of 3 years of experience in performing and supervising bioassays. Industrial experience desirable. Interested individuals should send complete resumes including salary requirements, in confidence, to Norman Brown, Syntex Corporation, Employment Department 54789, 5401 Hillview Avenue, Palo Alto, California 94304. Syntex is an Equal Opportunity/Affirmative Action Employer. Male and Female.

PHYSIOLOGIST needed to teach undergraduate courses in vertebrate physiology, human anatomy and physiology, and a developmental course. Must have a strong background in health-related sciences. Position begins 25 January 1976. Send application and résumé by 31 December 1975 to:
Haili V. Kosar, Ph.D., Dean
Division of Science and Engineering
Gannon College
Erie, Pennsylvania 16501

POSTDOCTORAL POSITIONS
Two postdoctoral positions available for research on the biochemical and toxicologic effects of halogenated antibacterial agents on mammalian systems. Positions to begin immediately.
1) Biochemist: Ph.D. in biochemistry to study actions of antibacterials with proteins, enzymes, and biological membranes. Only those with a strong background in this area need apply. Salary is negotiable.
2) Biochemical Pharmacologist: Ph.D. in biochemistry or pharmacology to investigate the pharmacologic and toxicologic effects of antibacterials and their metabolites, especially on the nervous system. Salary up to $11,000 will be dependent on experience and qualifications. Applications with curriculum vitae and naming references should be sent to:
Dr. Donald R. Buhrer
Environmental Health Sciences Center
University of Oregon
Corvallis, Oregon 97331

The closing date on these positions is 15 January 1976. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION, available 1 May. Quantitative plant ecologist with strong computer background and interests in plant community relations—to study production, structure, and dynamics in western hemlock Douglas fir forests of coastal British Columbia, Washington, Oregon, and California. This research will involve designing and interpreting computer analyses of forest relations based on forest inventory data. Limited fieldwork in areas designated. Send résumé and three letters of recommendation to:
Dr. Allan Auealr, Biology Department, Mcgill U. Vniversi ty, P.O. Box 6670, Montreal, Quebec, H3C 3G1, Canada.

POSTDOCTORAL RESEARCH ASSOCIATE IN CANCER BIOLOGY
Positions are available for recent graduates (Ph.D.) interested in tumor immunology, cell kinetics, and control processes governing hematopoietic stem cell differentiation and proliferation, macrophage function and biochemical actions of antineoplasic agents. Send curriculum vitae and three letters of recommendation to:
Dr. Fred Valeriote, Section of Cancer Biology, Department of Radiology, Washington University School of Medicine, St. Louis, Mo. 63110.

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THREE POSITIONS AVAILABLE:
PLANT PHYSIOLOGIST, BIOCHEMIST, WEED SCIENTIST
GENETICIST/PLANT BREEDER
Department of Plant Sciences, University of California, Riverside, announces three assistant professor level, available 1 July 1976. Mainly research with some teaching. Expected to teach at undergraduate and graduate level and to direct M.S. and Ph.D. students. Ph.D. required; postdoctoral experience preferred, but all qualified candidates will be considered. Salary commensurate with education and experience. Applicants should send curriculum vitae and official transcripts and arrange to have at least three confidential letters of recommendation sent to the indicated search committee chairman, Department of Plant Sciences, University of California, Riverside, Cal. 92502. Application deadline, 15 February 1976. An Affirmative Action/Equal Opportunity Employer.

1) Assistant Professor and Assistant Plant Physiologist in the Experiment Station. Plant scientist with strong training in biochemistry and with a research commitment to the use of plant cell culture techniques for crop improvement. Candidates with extensive training in plant cell and tissue culture, plant molecular biology, or hormonal control of plant growth and development are encouraged to apply, but consideration is not restricted to these areas. Supporting materials should be sent to Dr. R. T. Leonard.

2) Assistant Professor and Assistant Plant Physiologist in the Experiment Station. Research in physiology and ecology of weeds and herbicide action. Weed control in annual crops. Expertise in weed science and plant physiologist, ecology, and biochemistry required. Supporting materials should be sent to Dr. L. S. Jordan.

3) Assistant Professor and Assistant Geneticist in the Experiment Station. Research in genetics related to plant breeding and the utilization of gene resources of plant populations, with emphasis on quantitative inheritance. Strong training in quantitative genetics and plant breeding required. Supporting materials should be sent to Dr. R. K. Soost.

POSTDOCTORAL POSITION
Available immediately. Isolation and characterization of inverteter collagenases. Experience in biochemistry essential. Stipend is $14,000. Send curriculum vitae to: Dr. Marc D. Dresden, Department of Biochemistry, Baylor College of Medicine, Houston, Texas 77025. Equal Opportunity/Affirmative Action Employor.

POSTDOCTORAL RESEARCH ASSOCIATE position available immediately. Steroid biochemist. Participate in unique project exploring a new concept in reproductive biology. Study steroidoplastic capacity (using labeled precursors) of and steroid content (using RIA) in preimplantation embryos. Background in reproductive biology desirable but not necessary. Salary $12,000 to $14,000. Send curriculum vitae plus three references to Dr. Z. Dickmann, Department of Genetics and Obstetrics, University of Kansas Medical Center, Kansas City, Kansas 66103. Telephone: 913-831-5709.

POSTDOCTORAL TRAINEE to participate in projects dealing with metabolic aspects of shock and trauma. Appointment available for up to 3 years. Send curriculum vitae to: John J. Spitzer, M.D., Professor and Head, Department of Physiology, Louisiana State University Medical Center, 1542 Tulane Avenue, New Orleans, Louisiana 70112.

TOXICOLOGIST Assistant professor, The Food Research Institute (Department of Food Microbiology and Toxicology), University of Wisconsin, is seeking an individual with a Ph.D. or professional degree in the area of toxicology, toxicopathology, or related field to conduct research relating to mode of action of foodborne toxicants. An individual whose training has emphasized biochemistry and morphological pathology, including electron microscopy is desirable. In addition to developing an independent research program, a portion of the time will be spent in cooperative research. Send curriculum vitae and three letters of recommendation to: Mr. Robert E. Food Research Institute, University of Wisconsin, Madison, Wisconsin 53706. An Equal Opportunity/Affirmative Action Employer.
UNIVERSITY OF PETROLEUM AND MINERALS
DHAHRAN, SAUDI ARABIA

OVERSEAS OPPORTUNITIES for academic year 1976-77 in a new science and engineering university for faculty positions in biology, chemical, physical, and petroleum engineering. Ph.D. degrees and teaching experience required. Also opportunities at various academic levels for engineering technologists and technicians, and in chemistry, English (M.A. in English and/or in TELF with 2 to 3 years of teaching experience at college level), geology, mathematics, and physics. Challenging assignments in undergraduate programs, some of which are evolving into research and graduate levels. Minimum regular contract for 2 years renewable. Competitive salaries, free air-conditioned furnished housing, free air transportation to and from Dhaenah each 2-year tour. Attractive educational assistance grants for school-age children. Local transportation allowance in cash each month. All earned income without Saudi taxes. Ten-month duty each year with 2-month paid vacation and possibility of participating in university's ongoing summer program with additional compensation. Apply with resume including ages and sexes of children, nationality, list of references, and home and office telephone numbers to:

University of Petroleum and Minerals
P.O. Box 14853

Prospective candidates are invited to be interviewed by university recruiter early in 1976.

UNIVERSITY OF PENNSYLVANIA
SCHOOL OF VETERINARY MEDICINE
DEPARTMENT OF PATHOLOGY

POULTRY PATHOLOGIST

Applications are invited for the position of Head, Poultry Diagnostic Laboratory, School of Veterinary Medicine, University of Pennsylvania. The Laboratory is situated at the School’s rural campus at New Bolton Center, Kennett Square, Pa. Applications are invited from candidates with a D.V.M. degree and eligible for State Board Registration in Pennsylvania. Faculty rank and salary negotiable.

Applicants, including curriculum vitae and the names of three qualified referees, should be sent to: Dr. E. L. Soulsby, Department of Pathology, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, Pa. 19174.

An Equal Opportunity Employer

DISTINGUISHED PROFESSORSHIP: The School of Chemical Engineering at Cornell University is seeking nominations of candidates for its Herbert Fisk Johnson Professorship of Industrial Chemistry. Nominees are expected to present a record of outstanding research accomplishment; evidence of interest in innovation and application in chemical engineering and a Ph.D. in chemical engineering or chemistry. Candidates should have research interests in one or more aspects of applied chemistry and chemical engineering, including (but not limited to) surface chemistry, catalysis, and reaction kinetics. The committee welcomes candidates from industry or government laboratories, as well as from the academic community. An appointment to the professorship carries tenure, professional travel and support funds, and excellent fringe benefits. Please forward suggestions or resumes to Professor Julian C. Smith, Director, School of Chemical Engineering, Cornell University, Ithaca, N.Y. 14853. An Equal Opportunity/Affirmative Action Employer

PROTEIN SEQUENCE LAB SUPERVISOR - Peptide and protein sequencing lab of optimal use to biologists and biochemists to be organized: to include peptide and protein analysis, consultation and collaboration with staff scientists. Send resume to Personnel Department, The Institute for Cancer Research, 7700 Germantown Ave., Philadelphia, Pa. 19111. An Equal Opportunity Employer.

Virologist position available for 2-year study of diarrheal diseases in Bangladesh. Appointment in Department of Pathobiology dependent upon experience. Send applications to Dr. Frederick B. Bang, Chairperson, Department of Pathobiology, The Johns Hopkins University School of Hygiene and Public Health, 615 North Wolfe Street, Baltimore, Maryland 21205.

TEACHING ASSISTANTSHIPS AVAILABLE

Doctoral Program

This multidisciplinary program is designed to provide an opportunity for students interested in an academic graduate physics program to participate in environment-related research. Their course work emphasizes sound training in physics coupled with seminar and course work designed to familiarize students with problems of the environment. We encourage applications from women and members of minority groups.

Appointments effective fall 1976. Contact:

Dr. Mark Garveych, Chairman
Department of Physics
Portland State University
P.O. Box 751
Portland, Oregon 97207

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP IN MEMBRANE TRANSPORT WITH DR. JERRY COHEN TO CANCER CHEMOTHERAPY

Positions available for M.D.’s or Ph.D.’s who desire a comprehensive background in membrane physiology with application to the study of anticancer agents–membrane transport; kinetics of drug-target interactions within the cell; correlation with biochemical and cytological effects. This research area is a component of an NIH-supported training program in membrane physiology. Trainees participate in this program as well as in activities of the Cancer Center at the Medical College of Virginia. Fellowships will be awarded for 2 years beginning 1 July 1976; other starting dates possible. Stipend $10,000 to $15,000 depending upon experience. American citizenship or permanent visa required. For further information send curriculum vitae and list of references to: Dr. Julian C. Smith, Department of Medicine, Medical College of Virginia, Richmond, Virginia 23298.

POSTDOCTORAL (M.D. or Ph.D.) NIH-SPONSORED FELLOWSHIPS in blood banking and related areas of hemostasis are being offered by Washington University School of Medicine, at Barnes Hospital and the Missouri-Illinois Red Cross Regional Blood Center. Research includes platelet and coagulation protein biochemistry and turnover, tissue, liver, hepatitis, autoimmune anemias, and so forth. Contact Laurence Sherman, M.D., Director, Blood Bank, Barnes Hospital, St. Louis, Missouri 63110. An Equal Opportunity Employer.

RESEARCH FELLOWSHIP

Fellowship position (postdoctoral or senior postdoctoral) for research training in following major areas:

1) Pathophysiology of renal handling of electrolytes (sodium/potassium/micropuncture/microanalysis).
2) Mechanism of hormone and drug action on kidney (ADH/PTH/cyclic nucleotides/membranes/microtubules/experiential tubular syndromes).
3) Experimental hypertension (cachectomies/re-innervations/prostaglandins).
4) Pathogenesis of uricostasis (physical chemistry/crystal growth inhibition/calcium-PTH vitamin D metabolism).

Position available immediately for candidates with M.D. or Ph.D. stipend of $12,000 and up, depending on experience. Combination with advanced clinical training in nephrology possible.


POSTDOCTORAL FELLOWSHIPS

701 N. MAIN AND MEDICAL GENETICS

Training available in clinical, biochemical, immunological, and population genetics. Candidates must have Ph.D., M.D., D.V.M., or possess a degree and be U.S. citizens or permanent residents. Fellowships will begin 1 July 1976. The stipend is $10,000 to $13,200, depending upon experience.

Send curriculum vitae and the names of three references to: Dr. Arthur G. Steinberg, Case Western Reserve University, Cleveland, Ohio 44106. An Equal Opportunity Employer.

FELLOWSHIPS

Two POSTDOCTORAL fellowships available in information science. One is for a person well trained in engineering systems analysis, information science, and biological systems analysis who has performed creative research in nonlinear identification theory and had at least 2 years of experience in this subject area. The other is for a person trained in computer science, biology, biological systems analysis, and computer-based image processing. Must have at least 3 years of experience in these areas. Curriculum vitae, including telephone number, must be sent to: Dr. G. D. McCann, California Institute of Technology, 280-80, Pasadena, Calif. 91125, by 1 January 1976. Equal Opportunity/Affirmative Action Employer.

Candidates holding the Ph.D. or M.D. degree will be considered for POSTDOCTORAL TRAINEESHIP OR STAFF ASSOCIATE in neurophysiology and neuropharmacology beginning early in 1976. This program provides research training under experienced supervision appropriate for an investigative or academic career. The emphasis is on the use of microelectrode recording of single neurons in the CNS. For further information, write to: S. C. Wang, M.D., College of Physicians and Surgeons, Columbia University, 630 West 168 Street, New York, N.Y. 10032.

CONFERENCE

The Carginogenesis Program of the Division of Cancer Cause and Prevention, National Cancer Institute, will hold a Conference on Perinatal Carginogenesis, 19 to 21 January 1976 at the Holiday Inn-Central, Tampa, Florida.

The scientific program, which will consist of invited papers, will review the current knowledge and present state of research regarding the special susceptibility of the fetus and neonate to carcinogenic agents, including hormones. Experimental studies will be emphasized. The conference is open to the public but attendance will be limited to available space.

Hotel reservations must be made by 12 January 1976 with the Holiday Inn-Central, Tampa, Fla. Telephone: 813-223-1351. You must indicate to the hotel that you are attending the Perinatal Carginogenesis Conference.

Additional information is available from Dr. Jerry Rice, National Cancer Institute, Building 37, Room 2C13, NIH, Bethesda, Md. 20014. Telephone: 301-496-4366.

COURSES

W. ALTON JONES CELL SCIENCE CENTER
CONTINUING EDUCATION IN CELL BIOLOGY AND TISSUE CULTURE

Two courses offered in January 1976

5 to 16 January: Phototechniques in Cell Biology
22 to 23 January: Ethics and Human Value Implications of Science and Technology

For information on the above and a copy of the 1976 Program Brochure write:

Marion Thomas
W. Alton Jones Cell Science Center
P.O. Box 631
Lake Hopatcong, N.J. 07849
Telephone: 201-582-2427

MARKET PLACE

JEOLCO MODEL JLC-6AH AMINO ACID ANALYZER WITH TAPE PROGRAMMER: automatic sample, capacity 12 samples; sensitivity is 1 nanomole. Will handle eight buffers/column and program column temperature changes during run. Equipped with automatic sample changer and documentation instrumentation. For further information contact: Dr. A. J. Johnson, New York University Medical Center, 550 First Avenue, New York, New York 10016.