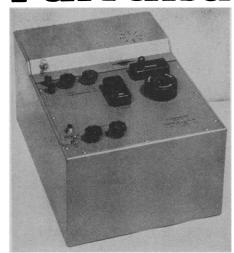
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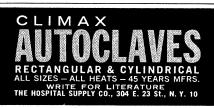
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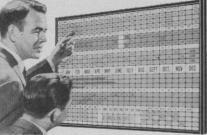
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February 1962. Zoology professor, Ph.D. (California), 14 years of college-university teaching-research. Box 225, SCIENCE.

POSITIONS OPEN

RECENT Ph.D. or M.D.

-who wishes training in cardiovascular research methods. Salary \$6000 per year. Eastern medical school. Reply to

Box 221, SCIENCE

PHYSICAL CHEMIST, Ph.D., with less than 5 years' experience. Qualified applicant will be able to solve theoretical, applied, and laboratory problems in gas dynamics, thermodynamics, chemical kinetics, and high temperature chemical equilibrium, and will be a U.S. citizen.

BIOCHEMIST, Ph.D., with less than 5 years' experience. Qualified applicant will be able to solve theoretical, applied, and laboratory problems in biochemistry, biology, microbiology, and organic chemistry, and will be a U.S. citizen.

These positions both provide excellent opportunities for professional growth in a new and rapidly growing research and development organization. Send résumé in confidence to Dr. J. B. Opfell, **Dynamic Science Corporation**, 1445 Huntington Drive, South Pasadena, California.

POSITIONS OPEN

The UNIVERSITY OF ALBERTA invites applications for positions in the Department of Mathematics at the Lecturer, Assistant Professor, and Associate Professor level. Appointments may be made at either the Edmonton campus or the Calgary campus of the university.

Salaries for 1962–63 will be in the ranges: assistant professors, \$6000-\$8700; associate professors, \$9000-\$11,700; with no fixed range for lecturers. Appointments will date from 1 September 1962, with commencing salaries dependent on experience and qualifications. Annual increments are normally given for satisfactory service. A pension plan is in operation and a removal grant may be made for married appointees and for single persons coming from outside North America.

Applications, accompanied by (1) a recent photograph, (2) transcripts of university records, (3) curriculum vitae, and (4) the names of three persons from whom references can be obtained, should be forwarded to Professor M. Wyman, Mathematics Department, University of Alberta, Edmonton, Alberta.

12/1, 8, 15

VIROLOGIST

The Armour Research Foundation has an unusual opportunity for a Virologist to work on a number of interesting and challenging basic and applied research programs in the areas of viral infectious diseases and host-parasite relations. Applicants should have an M.S., or Ph.D. in Virology and several years experience in tissue culture and quantitative viral techniques.

The Foundation's atmosphere offers excellent opportunities for personal and professional growth. We also offer excellent employee benefits including up to four weeks vacation and tuition-free graduate study. Please reply in confidence to John F. Collins.

ARMOUR RESEARCH FOUNDATION

of Illinois Institute of Technology 10 West 35th St. Chicago 16, Illinois

POSITIONS OPEN

BACTERIOLOGISTS and CHEMISTS

and CHEMISTS

Needed to fill immediate vacancies in Michigan Department of Health working with the isolation and purification of products of microorganisms. ANNUAL SALARY \$4656 to \$6953 depending upon experience and education. All Michigan Civil Service benefits. Must be graduated from an accredited college with specialization in chemistry or in the physical or biological sciences. Course work in bacteriology must include 2 hours a week of laboratory assignment. For further information write Mr. Frank Krupiarz, Personnel Officer, Michigan Department of Health, DeWitt Rd., Lansing, Michigan.

Ph.D. or M.D.

for laboratory research in arteriosclerosis and coronary artery disease. Young scientist preferred. At research institute with university affiliation. Permanent position. Send curriculum vitae to Director, May Institute for Medical Research, Cincinnati 29, Ohio.

SENIOR RESEARCH

SENIOR RESEARCH
PHARMACOLOGIST
Ph.D. (pharmacology or physiology) to be responsible for pharmacologic research program involving biologic evaluation of novel enzymes for possible medical use. Principal duties would include development and implementation of a comprehensive enzyme screening and evaluation program. Will report directly to the Director of Pharmacologic Research. Midwestern metropolitan location. Excellent community and research facilities. Reply to R. M. Gesler,

Baxter Lahoratories. Inc.

Baxter Laboratories, Inc. Morton Grove, Ill.

TOXICOLOGIST OR BIOCHEMIST

With suitable background to organize and head toxicology section of active Medical Examiner's office. Research opportunity and possible medical school affiliation available. Salary \$9000-\$10,000 plus Civil Service benefits. Contact Robert M. Greendyke, M.D., Medical Examiner, County of Monroe, 70 Clarissa St., Rochester 14, N.Y.

METABOLIC RESEARCH POSTS

Emphasis on endocrinological research has stimulated the creation of two new positions in our Metabolic Department. Each offers an opportunity to the creative, energetic scientist to participate fully in laboratory programs aimed at the discovery and development of significant new pharmaceutical products.

ENDOCRINOLOGY SECTION HEAD

- Should possess Ph.D. or M.D. degree with strong background in basic medical sciences plus demonstrated interest and experience in the study of endocrine function and dysfunction.
- To direct basic and applied research programs and to supervise activities of several Ph.D.'s and their groups.

SENIOR LABORATORY SCIENTIST

- Should possess Ph.D. degree with broad training in physiology or basic medical sciences with special interest in relationship of biochemistry to bodily function.
- To conduct laboratory investigations of new chemical leads thought to be useful in correcting metabolic disorders.

Please send resume, including salary requirements, to -

- Wallace R. Hall, Employment Manager



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(a) Biochemist; Ph.D. exp'd proprietary drugs to hd new prod develop div outstand'g co, E.; to \$18,000, (b) Virologist-Immunologist; M.D., Ph.D., trained modern virol, immunol techs w/quantitative tissue culture methods; pref trng biochem, biophys chem; full-time collabor, indiv rsrch oppties; to \$11,000; W. (c) Microbiologist; also trained virol; ample rsrch oppty; sm, apprv'd gen hsp; min \$7500; N. Engl. (d) Biochemist; Ph.D. hd very busy dept, 400-bd vol gen hsp; rsrch, teach'g oppties avail; will have oppty consult w/med staff, devel, exp present dept; MW univ, indus ctr. (e) Biochemist; Ph.D. pref, exp'd lipid chem for rsrch found, affil lge clin grp, mainly spec. int med; \$10,000; coastal city; W. Science Division, Woodward Medical Personnel Bureau, Ann Woodward, Director, 185 North Wabash, Chicago.

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(B.S.-M.S. Degrees)

Limited openings in Science Information Department for persons with B.S. or M.S. in the biological sciences. To evaluate laboratory, clinical studies, and other scientific data in connection with new drug research. Pleasant, stimulating work atmosphere. Liberal benefits—progressive policies. Send complete personal history to:

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(a) Director of Virus Research, eastern pharmaceutical house; \$10,000-\$15,000. (b) Physical Chemist, industrial research, \$9000-\$10,000; Midwest. (c) College of Pharmacy Faculty Appointments, eastern university. (d) Biochemist, protein research; eastern medical school, \$10,000-\$13,000. e) Pharmacologist, cardiovascular background; southern pharmaceutical firm. (f) Physiology Faculty, eastern medical school, \$6000-\$10,000, (g) Chemist, orthopedic research; Midwest; \$8000 up. (h) Biochemistry-Microbiology Appointment, southern university. (i) Clinical Laboratory Director, East, \$10,000-\$12,000. (j) Physics Professor, western liberal arts college. (k) Chemical Engineers, adhesive textile or plastic experience; Midwest; \$8000-\$11,000. Many other opportunities available. Please write Science Division, THE MEDICAL BUREAU, INC., Burneice Larson, Chairman, 900 North Michigan Avenue, Chicago 11, Illinois.

COURSES

SUMMER COURSE: A 3-week intensive course will be held at the Loomis Laboratory, Calhoun Drive, Greenwich, Conn., 2-20 July inclusive, 1962, for a small number of senior biological workers on the biochemistry of cellular differentiation. The theory and practice of pCO₂, pH, pO₂ and pNH₃ control of differentiating hydra cultures will be considered as well as other differentiating systems. Interested workers should consult the laboratory for further details. X

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Predoctoral and postdoctoral research fellowships are available for training and research directed towards an understanding of the molecular basis of drug action, with particular emphasis on chemotherapy, development of resistance, amino acid and vitamin metabolism, drug adaptation, metabolic inhibitors, and mechanism of drug/enzyme interactions. Interested applicants should contact the Chairman, Department of Pharmacology, Tufts University School of Medicine, Boston 11, Mass.

1/5, 26; 2/16; 3/16

PREDOCTORAL ASSISTANTSHIPS AND FELLOWSHIPS IN PHYSIOLOGY

Excellent opportunities for graduate students leading to the Ph.D. or M.S. Ample stipends and free tuition. Training and research in many areas of physiology. Write for details to Head, Department of Physiology,

University of Illinois College of Medicine Chicago 12, Ill.

A MESSAGE DIRECTED TO ENGINEERS AND SCIENTISTS WHO HAVE RECEIVED THEIR DOCTORAL DEGREES AND ARE RECOGNIZED AUTHORITIES IN THEIR FIELDS

KEARFOTT ANNOUNCES THE ESTABLISHMENT OF A NEW RESEARCH CENTER FOR THE

AEROSPACE SCIENCES

under the direction of Dr. Robert C. Langford

To meet accelerating national goals in space, upper atmosphere flight and undersea defense, radical advances in many technologies are essential. Kearfott, long a leader* in the development of systems and components for control, navigation and guidance, is preparing to enhance its endeavor in these and allied areas, through a multidisciplinary program of Applied Research. To this end, the new Research Center has been established. It will complement but not duplicate discrete R&D activities of the 26 Kearfott laboratories now functioning within the company's 8 Engineering Divisions.

*20 Kearfott precision instrument devices played a part in recent successful space flights of America's astronauts.



"This will be a scientific community entirely concerned with scientific and technical investigations; totally divorced from administrative or development responsibilities.

"Principal Staff Scientists will report to the Director—without any intervening 'level-of-command' to obscure a research man's ideas."

THE CENTER'S "Study areas will be related as METHOD closely as pos-OF PROBLEMsible to urgent SEEKING government needs. Senior members of the staff will seek, in conjunction with government scientists and other personnel, to determine the most difficult problems requiring solution (particularly but not exclusively, in control, navigation and guidance areas). It will then be up to the Center scien-

tists to formulate appropriate

investigations."

RESEARCH
RESPONSIBILITY
Center resources for any technical assistance he requires.
(Successful concepts will be carried to the prototype stage by Kearfott's engineering organization, without close supervision by the scientist, who may turn to other problems)."

CONSULTANTS "Arrangements IN LEADING have been made INSTITUTIONS for consultation with outstanding authorities at universities and foundations in this country and abroad. A stimulating cross-fertilization of ideas is projected, both with colleagues here and outside the Center."

SERVE ON DOD "In the national COMMITTEES interest, Center scientists will themselves feel free to act as consultants to agencies of the government and serve as desired on committees of the Department of Defense or other

national agencies as independent authorities."

TECHNICAL "A comprehenINFORMATION sive collection of
SERVICES classified and
unclassified
technical source material will
be available as well as the
services of professional li-

brarians to make library

searches.

"Other facilities include excellent laboratory equipment, access to computer and data processing services; private quarters will be provided as soon as the RESEARCH CENTER building is completed in the summer of '62."

MEN WITH SCIENTIFIC VISION... and a touch of the missionary spirit that plays a significant part in building a research capability of this order, are invited to inquire about key appointments now open in areas indicated at the right. (A doctoral degree, and at least eight years research experience, is mandatory).



Dr. R. C. Langford, Director of the new Kearfott Research Center, has joined Kearfott after 18 years as R&D Director in a major electronics corporation. He was graduated with a Doctorate as a Swan Research Fellow from the University of London. He is senior member of IRE, a founder member of the American Nuclear Society and a member of the American Rocket Society. An author of technical articles and lecturer, he has also been a member of a U.S. Government committee analyzing Russian accomplishments in the electronic and solid state fields.

Oceanography — to investigate natural phenomena, in order to arrive at a more perfect understanding of the effect of earth sciences on systems required by government. (A vessel will be provided)

Radiation Sciences — to increase understanding of plasmas, wave propagation; to fully explore energy conversion and infrared technologies.

Astrospace Environments—to study natural phenomena in order to provide a more perfect understanding of environmental boundaries of space systems.

Hydraulics & Pneumatics—to provide a fuller understanding of fluid technology in dynamic systems.

Guidance & Navigation — Terrestrial and Celestial — to develop a broader comprehension of the needs of future systems.

Physics — Specialist in Modern Materials research pertaining to solid state, fluid, magnetic and dielectric materials.

Chemistry — to develop and extend range and application of organic and inorganic materials. Activity will be in both materials and processes

Metallurgy – to serve as authority on metallurgical properties of Modern Materials – function-wear, defect propagation and anelasticity.

Please write Dr. Langford at some length about your interests and past work. Copies of papers written or presented will be appreciated—and returned, if desired.



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