PERSONNEL PLACEMENT-

CLASSIFIED: Positions Wanted. 25¢ per word minimum charge \$4. Use of Box word, minimum charge \$4. Use of Box Number counts as 10 additional words. Payment in advance is required.

COPY for ads must reach SCIENCE 2 weeks before issue date (Friday of every week).

before issue date (Friday of every week). DISPLAY: Positions Open. Rates listed be-low—no charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Minimum ad: 1 inch. Ads over 1 inch will be billed to the nearest quarter inch. Frequency rate will apply to only repeat of same ad. No copy changes. Payment in advance is required except where satisfactory credit has been es-tablished. Send copy for display adver-tising to SCIENCE, Room 1740, 11 West 42 St., New York 36.

\$50.00 per inch 48.00 per inch Single insertion 4 times in 1 year

For PROOFS on display ads, copy must reach SCIENCE 4 weeks before date of issue (Friday of every week). Replies to blind ads should be addressed as follows:

Box (give number) SCIENCE 1515 Massachusetts Ave., NW Washington 5, D.C.

POSITIONS WANTED

Biochemist, Ph.D. Deprived of laboratory space, wishes to change university affiliation. Principal investigator, large NIH grant. Numerous publi-cations in endocrinology and metabolism. Box 101, SCIENCE. X

Chemical Information Specialist. Experienced journal publication. Ph.D. biochemistry. Desires interesting nonlaboratory position associated re-search, academic atmosphere. Male. Box 109, SCIENCE. X

General Biologist Ph.D.; 12 years of teaching various zoology and botany courses. Special in-terest invertebrate zoology. Publishing and tech-nical writing experience. Box 99, SCIENCE. 5/18

Medical Director. early 40's; 15 yrs exp clinical, biol rsrch; wide backgrd int med, biochem, physiol, biophys; multilingual; 4 yrs med dir, internat'l operations, MW co; available immed. Science Division, Woodward Medical Personnel Bureau, Ann Woodward, Director, 185 N. Wa-bash, Chicago. Bureau, Ann bash, Chicago.

(a) M.E.E. Electronics (mathematics) interested in administrative/development engineering. (b) Ph.D., D.V.M. Veterinary Pathologist prefers research/teaching. (Please write for information regarding these and other scientists, senior and junior, in all fields; nation-wide and very ac-tive service.) Science Division, The Medical Bureau, Inc., Burneice Larson, Chairman, 900 N. Michigan Avenue, Chicago 11, Illinois. X

Physiologist-Biochemist, Ph.D. 10 years of in-dustrial and academic experience in the fields of space physiology, endocrinology, enzymology, carbohydrate and lipid metabolism. Desires chal-lenging research position. Publications. Box 103, SCIENCE. X

Science Information position, East, wanted by young Ph.D. with broad research background and abstracting experience in physiology and biochemistry. Box 104, SCIENCE. X

Virologist-Microbiologist, M.A., Ph.D. Desires teaching research position in medical or veteri-nary school or supervisory position. Experienced in virology, tissue culture, virologic diagnostic work, and teaching medical microbiology in medi-cal school. Box 100, SCIENCE. X

Zoologist. Ph.D. Wide teaching and active aca-demic, industrial, and field research experience, seeks teaching-research position in eastern states. Box 105, SCIENCE. X

Zoologist-Physiologist, Ph.D. 12 years' university experience; grants; publications. Desires teach-ing-research position. West preferred. Avail-able 1962 or later. Box 106, SCIENCE. X teach-Avail-X

18 MAY 1962

POSITIONS OPEN

AAAS PUBLIC UNDERSTANDING OF SCIENCE

The AAAS has an opening on its staff for a challenging position in its new Public Understanding of Science Department. Needed is a person with a wide range of skills in science communication and a knowledge of science.

Position will involve the development of print media activities for the department (research, media services, communications programs) and of public information services.

Applicants should have a knowledge of some scientific discipline. ability to write about science, and experience in newspapers or magazines. Age between 25-35. Salary open.

Inquiries should be directed to

E. G. Sherburne, Jr., Director Studies in the Public Understanding of Science, AAAS 1515 Massachusetts Ave., NW Washington 5, D.C.

CHIEF RESEARCH OFFICER

CHIEF RESEARCH OFFICER Applications are invited for the position of Chief Research officer at the Commonwealth Serum Labora-tories, Melbourne, Victoria, Australia. The applicant should preferably have a medical degree with a higher qualification and research experience in the biological field together with demonstrated administrative and organizing ability. He will be re-possible to the Di-rector for coordination and direction of the approved research programs. The Commonwealth Serum Labora-tories, which are controlled by a Commission ap-pointed by the Australian Government, produce a large range of biological products for medical and veterinary fields includes basic and applied aspects in virology, bacteriology, tissue culture, biochemistry, protein chem-istry, etc. The Research Department has modern and well-equiped laboratories with a highly qualified staff of scientists. Applications and enquiries for further etails should be addressed to: The Scientifie Attache Australian Embassy 1907 K Street, NW, Washington, D.C.

Australian Embassy Lenkin Health 1907 K Street, NW, Washington, D.C. DIRECTOR OF MEDICAL RESEARCH. Ap-plicants with experience in any of the following fields of medicine—epidemiology, internal medi-cine, occupational health and medicine, pa-thology, preventive medicine, public health. In-cumbent directs research in the field of infectious diseases including (a) developing and assessing prophylactic, diagnostic, and therapeutic meas-the pathology of diseases and to identify the fundamental host-organism relationships; salary \$16,000 per annum; a higher salary may be paid commensurate with the level of research experi-ence that the applicant has attained; individual selected for the position expenses from the place of actual residence at time of selection to Fort Detrick; applicants invited to appear for interview will be reimbursed for transportation expenses and actual expense for subsistence not to exceed \$16 per day; vacancy will be filled in accordance with Federal Government compet-tive appointment procedures. Send résumé to Civilian Personnel Officer. Chemical Corps Bio-logical Laboratories, Fort Detrick, Frederick, Maryland.

TECH NEWS

for Scientists, Mathematicians **Operations Evaluation Group**

May 1962 certainly stood out as "Operations Research Month"-in fact, if not by official proclamation. May saw the 10th anniversary meeting in Washington of the Operations Research Society of America (ORSA) as well as OEG's 20th Anniversary Conference on Operations Research, also in Washington.

OEG, created in May 1942, is the oldest con-

tinuing military operations research organization in the country. The 20th Anniversary Conference-of international scopereviewed applications of OR in NATO, in industry and public health, and in



fiscal planning for defense, as well as considering OR education.

OEG acts as civilian scientific advisor to the Chief of Naval Operations and the Commandant, U. S. Marine Corps, functioning in diverse problem areas. Typical problems OEG has been called upon to solve include:

- What Navy vehicles would profit most from nuclear propulsion?
- Can a workable radar theory be formulated at the present state of the art?
- Set up exercise conditions to test the effectiveness of fleet air defense.
- What are the requirements for fire support of future amphibious operations?

This is complex and essential work. It requires scientists, preferably with advanced degrees, who can combine analytical talent with a certain amount of enterprise. If you are a mathematician, physicist, engineer or economist, and the potential inherent in OEG's program sounds rewarding, please send your resume to the Director, Dr. Jacinto Steinhardt.



 POSITIONS OPEN

BIOCHEMIST

Ph.D. for research in blood fractionation and enzyme purification. Medical school research laboratory in New York City. Possible faculty ap-pointment. Salary \$7000-\$9000. **Box 102, SCIENCE**

FEMALE HELP WANTED

Laboratory technician to do both enzyme and isotope work in a research area. Chemistry background; prefer B.S. degree, age 22 to 30; salary open; excellent benefits. Apply Personnel Office Office

Indiana University Medical Center 1100 W. Michigan St., Indianapolis, Indiana

The University of Saskatchewan invites enquiries and applications for the position of Instructor (salary range \$5000 to \$6900) or Assistant Pro-fessor (salary range \$7000 to \$8500) in the De-partment of Crop Science. The appointee will teach classes and conduct research in bio-metrical and population genetics preferably using crop plant material. Duties to commence 1 Sep-tember 1962 preferably but a later date will be considered. Address enquiries and applications to Dean V. E. Graham, University of Saskatchewan, Saskatoon, Saskatchewan.

MALE OR FEMALE HELP WANTED

Laboratory technician to work in cancer research area; chemistry background; prefer B.S. degree. Previous research experience helpful; age 22 to 35; salary open; excellent benefits. Apply: Per-sonnel Office

Indiana University Medical Center 1100 W. Michigan St., Indianapolis, Indiana

(a) Microbiologist; supv 6 in very busy sect, outstand'g lge hsp; over 150,000 micro tests in 1961; city 500,000; So. (b) Biochemist; pref rec Ph.D. to design, cond exper in chem isolation wk, metabolic studies; MW div lge pharma co; coll twn 15,000. (c) Pharmacologist; M.S., Ph.D. well-trained bact to serve as dir, quality control; req's good indus exper bioch, pharmacol; MW. (d) Biochemist; Ph.D. supv dept; well-staffed lab, 250-bd gen hsp; hope for coll afill med tech schl; to \$12,000; city nr Chgo. Science Division, Woodward, Director, 185 North Wabash, Chicago.

PHYSICAL CHEMIST M.S. or Ph.D.

M.S. or Ph.D. To provide the hospital with a specialized knowl-edge of physical chemistry as applied to a clinical medical laboratory, with the intent of aiding the hospital in maintaining a position of leadership in the field of clinical chemistry. As a part of the hospital's growing medical research team would be working toward the acceleration of the development of new chemistry procedures, or-ganized research and teaching. St. Luke's Hos-pital is a 263-bed, fully accredited, expanding progressive private general hospital in a new residential area. Include resume with inquiry to Personnel Department—

ST. LUKE'S HOSPITAL 2900 West Oklahoma Avenue Milwaukee 15, Wisconsin

(a) **Physiologist**, Ph.D., teaching/research; cen-tral university. (b) **Ph.D. Biochemist**, familiar with instrumental analysis for medical research; East; to \$9000. (c) **Ph.D. Biologist** (zoology, cytology), southeastern college. (c) **Chemist** (some bacteriology), central food company, to \$12,000. (e) **Hematologist**, teaching, research; West. (f) **Ph.D. Biochemist**, clinical, teaching and research; mideastern hospital. Many other op-portunities available for both junior and senior scientists. Please write Science Division, **The Medical Bureau**, **Inc.**, Burneice Larson, Chair-man, 900 North Michigan Avenue, Chicago 11, Illinois. X man, 90 Illinois.

RESEARCH PHARMACIST

Opening for qualified candidate to perform re-search and development work on a variety of dosage forms. Ph.D. with some industrial ex-perience desirable, but creativity and sound back-ground in formulation and experimental design are more important. Excellent employee benefits. Adjacent to unsurpassed cultural and academic centers and recreation areas. Please send résumé to Dr. James E. McDavid, Director of Pharma-ceutical Research

CUTTER LABORATORIES Berkeley, California

664

CANADA FISHERIES RESEARCH BOARD PROTEIN CHEMIST, BIOCHEMIST or ENZYMOLOGIST

BIOCHEMIST or ENZYMOLOGIST Duties: To develop and execute a research pro-gramme, preferably in relation to lipoproteins or proteolytic enzymes, in order to complement the activities of a research group engaged in studying the effects of frozen storage on the proteins and other constituents of fish muscle. Problems on other aspects of protein chemistry or biochemistry of marine life may be acceptable. To supervise junior personnel and assess results and prepare them for publication. Qualifications: Applicants should have a Ph.D. from a university of recognized standing; post-graduate experience in some aspect of protein research essential. Salary and Privileges: \$8800 to \$10,500 per annum, depending upon qualifications and ex-perience. Benefits of Public Service are available. For further details apply to: Director, Fisheries **Research Board of Canada**, P.O. Box 429, Halifax, **Nova Scotia, Canada**.

Supervisor of Central Services. Immediate open-ing for a person experienced in the preparation of research media to organize and direct the operation of a central glass washing and media area in new university medical research center. Salary commensurate with training and experi-ence up to \$6500 per year. Please send full résumé and salary required to John Dingle, M.D., Professor of Preventive Medicine, Western Reserve University, Cleveland 6, Ohio.

ZOOLOGIST

Male. Ph.D. or approaching the doctorate. To teach in broad areas of physiology and/or zo-ology on the undergraduate level. Coeducational, southern, liberal arts college, 900 students. Hous-ing available at modest cost. Position available September 1962. Nine months' salary to \$7000.

Box 108, SCIENCE



POSTDOCTORAL FELLOWSHIPS IN NEUROANATOMY

NEUROANATOMY Candidates holding the Ph.D. or M.D. degree will be considered for fellowships in neuro-anatomy for periods of 1 to 3 years. This post-doctoral program, operated in conjunction with similar programs in other basic neurological sci-ences is designed to provide an appropriate foundation for an investigative or academic career. Opportunities will be available for pre-liminary course work in all basic neurological sciences and related fields. Stipends begin at \$5000 per year plus dependent allowances. For additional information write:

Dr. Malcolm B. Carpenter, College of Physicians and Surgeons, Columbia University, 630 West 168th Street, New York 32, N. Y.

and Surgeons, Columbia 2, N.Y.
NEW ZEALAND SENIOR RESEARCH FEL-LOWSHIPS. Applications are invited for Senior Research Fellowships to be taken up in New Zealand in 1963. Applicatns should possess a Ph.D. degree, or an equivalent qualification, or while not having such qualification have a dis-tinguished record of scientific research. There is no age limit and no restriction regarding na-tionality, but successful applicants must meet New Zealand immigration requirements. A good working knowledge of English is required.
The fellowships will be awarded for research at any of the branches of the New Zealand De-partment of Scientific rage and Industrial Research. They will be tenable for periods of between ef each fellowship will range between £1530 and £1930 a year, with an additional £250, a year for a married man. These amounts are tax-able. (NZ£1 approximately equals \$2.80 or £1 sterling.) A grant for return fares by surface iransport to New Zealand at tourist class rates is payable to each Fellow, and an allowance of two-thirds of this grant may be paid where a Fellow is accompanied by his wife. While in New Zealand, reasonable travelling expenses in-curred in connection with the Fellow's research work will be paid.
Application forms and further particulars are obtainable from:
The New Zealand Embassy, 19 Observatory Circle, Washington 8, D. C., U.S.A.
The Department of Scientific and Industrial Research, P.O. Box 8018, Wellington, New Zea

da. 4) The Department of Scientific and Industrial Research, P.O. Box 8018, Wellington, New Zea-

Applications should reach New Zealand by 30 September 1962.



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New liquid scintillation flow cell provides precise continuous measurement of radioactivity in liquid chromatography columns



Now you can automatically, continuously, and precisely assay beta-emitting isotopes in the effluent stream of your liquid chromatography column. ¶ Simply insert the special flow cell in any Nuclear-Chicago liquid scintillation system. The conversion takes only minutes. ¶ C-14 efficiency, 27-40%; background 15 counts/min. H-3 efficiency, 2-3% for tritiated water; background 40 counts/min. Sensitivity 4 x 10⁻⁵ microcuries. Superb resolution. ¶ The new liquid flow cell is available as a reasonably priced accessory for all Nuclear-Chicago liquid scintillation spectrometers. Write or ask your Nuclear-Chicago representative for literature.

349 EAST HOWARD AVENUE DES PLAINES, ILLINOIS

