

MELPAR'S Research Division has IMMEDIATE OPENINGS FOR...

- BIOCHEMISTS ■ BIOPHYSICISTS
- VIROLOGISTS ■ MICROBIOLOGISTS
- IMMUNOLOGIST-IMMUNOCHEMISTS

Melpar, an expanding and progressive industrial research organization in the Washington, D.C. area, has a fast moving program of research in a wide range of scientific disciplines. There is an immediate need for scientists and instrumentation engineers who have an active interest and experience or training in:

- Antigen-Antibody Reactions
- Bacterial Physiology
- Enzymatic Mechanisms & Kinetics
- Enzyme Active Site Studies
- Microbial Genetics
- Nucleic Acid Studies
- Virus Physical Properties
- Viral Host Parasite Interaction
- Biochemical Processors
- Electrochemical Monitors
- Fluorescence Instrumentation
- Optical Design
- Collection & Fractionation Systems

BIOPHYSICAL MEASUREMENTS

BIOCHEMICAL MEASUREMENTS

ELECTRO-OPTICS

Qualified persons who are interested in participating in challenging projects ranging from basic research to the exploration of life detection techniques are invited to submit resumes to:

Clarence Endsley—Professional Placement

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Personnel Placement

POSITIONS WANTED

Chemist, B.S., 1963. Age 23, single. Desires overseas position. One year of research experience with major petroleum; presently employed. Box 488, SCIENCE. X

General Educational Instructorship. Broad experience; see ad in 14 August 1964 issue of *Science*. H. Hixson, Ph.D. X

(a) **Genetics Ph.D.**, pharmaceutical antibiotic R&D and basic research experience; available for research appointment. (b) **Biology M.A.**, bacteria and enzyme system bioelectrochemistry investigations; seeks research opportunity. For details write **Woodward Medical Personnel Bureau**, Science Dept., 185 N. Wabash, Chicago, Ill. 60601. X

POSITIONS OPEN

Ph.D. Biochemist (analytical), instrumental determinations of drug concentrations in biological media.

Ph.D. Biochemist, studies in radiation biology and drug mechanisms.

Ph.D. Biologist (cell physiologist), cell culture experience; two needed; one for virus research and one for biochemical research.

Ph.D. Biologist, bionics research, to work in conjunction with senior engineer and mathematician.

Ph.D. Microbiologist, extensive studies in radiation biology and antibiotic evaluations.

Ph.D. Sanitary Engineer, new program in water pollution, sewage treatment, and so forth. Microbiological or biochemical emphasis.

Ph.D. Pharmacologist, 2 to 5 years' experience; for senior supervisory position in cancer chemotherapy studies.

For further information regarding these and other interesting possibilities contact **Personnel Office, Southern Research Institute, Birmingham, Alabama 35205.**

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Positions in HIGH LEVEL RESEARCH

POLYMER PHYSICIST Ph.D. Group Leader with experience in polymer morphology, structures-property relationships.

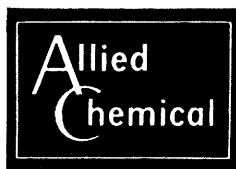
MECHANICAL ENGINEER, CIVIL ENGINEER or PHYSICIST Advanced degrees. Research in stress analysis, design & interpretation of tests, behavior of materials under dynamic & static loads.

SURFACE CHEMIST Ph.D. in physical chemistry or chemical physics. Strong theoretical background in adhesions, failure mechanisms and composite structures.

ELECTRICAL ENGINEER M.S., design, adaptation interpretation of tests conducted under various conditions of temperature and frequency electrical discharge. Background in design criteria for materials needed in electrical applications.

Our Research Center has ultra modern facilities and equipment and is in a beautiful park-like setting in a most desirable suburban area just 35 miles from New York City.

Send resume in confidence to Dr. F. W. Bauer, Supervisor of Personnel



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POSITIONS OPEN

Position available for **YOUNG PHYSICIST** interested in biomedical and accelerator research at midwestern medical school. Strong background in electronics and B.S. degree required.

Box 478, SCIENCE

CREATIVE BIOCHEMIST

If you are a Ph.D. with 3 to 10 years' experience, project leadership capacity and a strong interest in instrumentation, you should explore this unusual position.

You will have the opportunity to contribute personally and substantially to the state of the art in instruments for clinical and biomedical laboratories. You will examine and experiment with a variety of techniques and lead a team of capable engineers and technicians in the development of new instruments and methods.

Our growing Research & Development Department's location offers many professional, educational, and cultural advantages. We offer an excellent starting salary, employee benefits, and a permanent position with personal growth potential. You are invited to send your résumé, together with your record of publications and/or patents, in confidence to:

R. W. Chapman,
Professional Employment Manager
FISHER SCIENTIFIC COMPANY
711 Forbes Avenue
Pittsburgh, Pa. 15219

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POSITIONS OPEN

IMMUNOLOGY

Pre- and postdoctoral traineeships in immunology (immunochemistry, immunohematology, delayed hypersensitivity, tissue transplantation). M.S. and Ph.D. programs available. For further information write to **Dr. Robert A. Patnode, Department of Microbiology, University of Oklahoma Medical Center, Oklahoma City, Oklahoma.**

FISHERIES RESEARCH ASSISTANTS

University graduates with a bachelor's or master's degree in science are required to assist highly qualified research scientists with biochemical and physiological studies on marine fish, Crustacea and Molluscs.

Applicants should have training in chemistry, biochemistry, bacteriology, or physiology.

Salaries up to \$6600, depending upon qualifications and experience.

Refer replies to Competition H-36. Submit complete résumé, references, and transcript of academic record to:

Dr. D. R. Idler, Director
Fisheries Research Board of Canada
Technological Research Laboratory
P.O. Box 429, Halifax, Nova Scotia

BIOCHEMIST ANTIBIOTICS

Continued growth & expansion of a prominent North Jersey drug & pharmaceutical company has created a highly desirable opening for a Ph.D.—biochemistry or organic chemistry—with 2 to 5 years' industrial experience in the isolation & early purification stages of antibiotics from crude broths. Will direct the activities of 5 to 8 assistants in a variety of challenging assignments:

Salary commensurate with experience and training. Excellent benefit program. Pleasant suburban environment. Send resume including present salary in complete confidence to

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POSITIONS OPEN

Manufacturing Pharmaceutical Firm wishes advisor or employee, biochemical background, knowledge foreign sources, clean record.

Box 487, SCIENCE

PHARMACOLOGISTS

Applications of Senior Pharmacologists are invited for vacancies in the Pharmacology Department of expanding pharmaceutical company. The positions require a Ph.D. with 1-3 years postdoctoral experience, preferably in the field of analgesics and general neuropharmacology. Salary commensurate with experience. Outstanding employee benefits and working conditions.

Complete resume, which will be treated in confidence should be addressed to: PERSONNEL DIRECTOR

GEIGY CHEMICAL CORP.

P. O. Box 430, Yonkers, N.Y.

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SPACE FOR BIOLOGICAL RESEARCH

An institute managed exclusively by its active investigators is being organized in Los Angeles. Present programs supported by NIH are in iron metabolism and nutrition. We welcome established investigators with supported programs in related fields. For details contact A. Shoden, Executive Vice President, **Institute for Biological Research**, 9325 Venice Boulevard, Culver City, California.

THE UNIVERSITY OF MANITOBA, PROFESSOR OF ANATOMY AND HEAD OF THE DEPARTMENT. The position of Professor of Anatomy and Head of the Department will become vacant in September, 1965. The University of Manitoba is now prepared to accept applications for this position. Please address inquiries to the Dean: Faculty of Medicine, University of Manitoba, Cor. Bannatyne and Emily Streets, Winnipeg, Manitoba, Canada.

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BIOCHEMISTRY RESEARCH POSITIONS

THREE new senior openings requiring Ph.D.'s are available in our Research & Development Division. Each offers laboratory research opportunities in various areas of biochemistry.

Please send curriculum vitae, including salary requirements to:

Cyrus M. Greenberg, PhD
Director of Scientific Employment

SMITH KLINE & FRENCH LABORATORIES

1554 Spring Garden Street Philadelphia, Pa. 19101

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1. This opening is for someone with 0 to 3 years' postgraduate experience, with a broad biochemical background. The job: to aid in developing a basic research program directed toward elucidating mechanisms of neurobiochemical agents in the fields of psychopharmacology, neuropharmacology and cardiovascular pharmacology.

2. A strong background in enzymology with experience in a related biological science is an essential requirement in this opening which covers the investigative responsibilities in a biochemical-physiological program as well as some work in the planning and development of new areas of basic biochemical research of potential pharmaceutical application.

3. The assignment here is to help plan, conduct, supervise and evaluate investigations in various aspects of degenerative diseases. In addition, will pursue studies involving the action of pharmacological agents on enzyme systems at sub-cellular levels. Prefer 1 or 2 years of postdoctoral experience and some knowledge of physiology.

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- Virus-Cell Interaction Studies
- Biochemical Gas Phase Chromatography
- Psychotropic Compounds
- Automated Tissue Culture Techniques
- Adaption of Terrestrial Organisms to Extraterrestrial Conditions
- Lipid Phase Transitions in Biological Membranes
- Microbiological Fuel Contamination
- Life Support

Continued investigations in all these areas have created a continuing need for highly qualified, highly creative life scientists and bio-engineers. If you feel that you can contribute to Melpar's programs in the life sciences we'd like to hear from you. Write: Manager, Professional Placement.

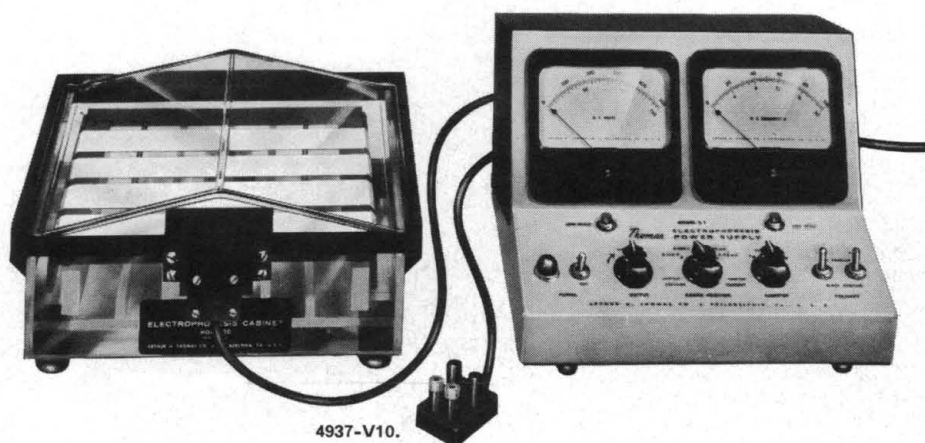
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For use with Paper or Cellulose Acetate Strips, Agar and other Gels, or coated Micro Slides for Immunological studies



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An improved form of our widely used horizontal strip Electrophoresis Apparatus for paper, acetate strip or gel block electrophoresis.

The new Cabinet is slightly more compact than the original model and has a gable cover, new safety interlock system, and platinum wire electrodes. A completely new Power Supply provides either constant potential or constant current output, increased in range to 500 volts and 100 milliamperes, respectively, for research techniques. A second Power Supply, with the same 300-volt, 50-milliamperes output characteristics as the earlier model but modified to incorporate the new interlock circuit, is also available for routine separations.

Cabinet. Of clear plastic, with gable cover to prevent condensate dropping on sample, easily replaceable platinum wire electrodes, and double-pole safety interlock which prevents removal of cover while current is flowing. Overall dimensions $10\frac{3}{8} \times 11\frac{5}{8} \times 5\frac{3}{8}$ inches high; can be used in refrigerators, incubators, etc. Takes carrier with four sample strips 40 mm wide or paper sheet up to 185 mm wide; usable migration length 135 mm.

Power Supply, Model 21. Provides fully regulated d.c. output; constant potential 0 to 500 volts, or constant current 0 to 100 m.a., for one or two cabinets. Separate dual-range meters indicate current and voltage, respectively. Double-pole relay is incorporated into the safety interlock circuit. When two cabinets are used, current can be read individually and electrode polarity in either can be reversed independently of the other.

Power Supply, Model 19. Simple transformer-rectifier type providing unregulated 300-volt, 50 m.a. output. With same double-pole relay protection for safety interlock circuit.

Accessories for Starch Gel, Agar Gel and Micro Immunological Studies. In place of the usual paper strip carrier, a Tray is provided for Starch Gel; a Plate for Agar Gel, and a Carrier for coated micro slides.

4937-V10. Electrophoresis Apparatus, Thomas, with Regulated Power Supply, as above described. Consisting of Cabinet with Carrier for paper strips or sheets, and Model 21 Power Supply. With 3-wire cord, 3-prong plug and adapter, for 115 volts, 50 or 60 cycles a.c.; 150 watts. 450.00

4937-V15. Ditto, but with Unregulated Power Supply Model 19; 20 watts. 295.00

4937-W30. Carrier for Micro Slides, supports up to seven agar-coated 3 X 1-inch slides. 4.35

4937-W40. Starch Gel Tray, capacity 245 ml. 8.40

4937-W45. Agar Gel Glass Plate. 1.25

Detailed information sent upon request



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