

Ph.D. BIOCHEMIST

Our continuing growth and expansion has created a new position for a Ph.D. Biochemist with a strong organic chemistry background to carry out enzymatic studies and collaborate on problems in our bio-organic group on the synthesis and characterization of oligonucleotides.

A knowledge of in-vitro procedures pertaining to nucleic acid transformations is helpful.

Will supervise small group of professionals. Liberal publication policy. Attendance at meetings encouraged. Superior benefit program.

We are located in suburban New Jersey.

If you are interested, please send resume including current compensation to:

Box S 318, 125 W. 41 St., NYC 10036

An Equal Opportunity Employer

LAND AND WATER USE

Special Reference to Mountain & Plains Regions
Wynne Thorne, Editor

AAAS Symposium Volume No. 73. May 1963
6" by 9", 364 pages, references, index, \$8.00
(AAAS members' cash order price \$7.00)

Arranged by the AAAS Section on Agriculture

This symposium volume reports papers by leaders in research, and policy discussions relating to the nation's land and water resources, presented at the AAAS meeting in Denver, Colorado, in December 1961.

The volume centers on problems associated with the increasing competitive demands for use of publicly owned lands. The historic uses by livestock and timber processors are being challenged by groups concerned with recreation, wildlife, and water production. Adjustments in public land use in relation to uses of adjacent or intermingled privately owned lands need further consideration if the total benefits from these resources are to be maximized. These and other problems of land and water are explored by recognized leaders in the field.

**AMERICAN ASSOCIATION FOR THE
ADVANCEMENT OF SCIENCE**

1515 Massachusetts Avenue NW,
Washington, D.C. 20005

WANTED Independent R. & D. Laboratory Affiliation

Ideally the facility we are seeking is presently staffed by 35 to 100 (or more) highly qualified professionals who have a genuine desire to do really creative work in fields related to high temperature materials, hard materials, solid state electronic materials, and plastics. In addition, a demonstrated proficiency in some other areas of scientific inquiry would also be welcomed. The organization should have a range of competence that includes fundamental research, product development, and process engineering.

OPPORTUNITY FOR THE LABORATORY

The Carborundum Company expects to make available the financial support and managerial assistance necessary to enable the laboratory to engage in forward looking research and development that might otherwise be beyond its means. This can permit both an extension of present capacity for outside research contracts, as well as company founded in-house programs devoted to basic research and fundamental investigations.

OPPORTUNITY FOR THE STAFF

The present research and development personnel may expect to enjoy attractive opportunities for professional growth as a result of their association with a company that has ample financial resources and a tradition of recognizing and appreciating the importance of basic and applied research.

OPPORTUNITY FOR THE OWNERS

For the principals, financial affiliation with Carborundum can provide the means of satisfying personal goals without sacrificing the continuation of existing management.

For Carborundum, this proposed association is another move designed to insure our continuing and accelerating growth as a leading creator and manufacturer of high performance materials.

If your facilities and interests are compatible with the above description, please write or phone Mr. Niles C. Bartholomew, Vice President, Corporate Planning. Your disclosure will be held in complete confidence.

CARBORUNDUM

THE CARBORUNDUM COMPANY
P.O. BOX 337, NIAGARA FALLS, N. Y.

PERSONNEL PLACEMENT

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

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

POSITIONS WANTED

Biochemist, Pharmacist, enzyme experience, desires research position in Midwest or West. Box 237, SCIENCE. X

(a) **Biochemist Ph.D.;** medical and aerospace research experience; seeks clinical or administrative position. (b) **Biochemistry M.S.;** laboratory technician, cancer research, immunology experience; available for clinical or commercial appointment. Write Woodward Medical Personnel Bureau, 185 North Wabash, Chicago 60601. X

Editor for Physical Sciences, engineering seeks free-lance editing, proofreading, paste-up. Located in Chicago, but can handle copy by mail. Box 236, SCIENCE. X

Meteorologist-Teacher, considerable experience and accomplishments at both, including R&D, elementary differential equations. M.S., enjoy academic and industrial environments. 2601 Carondelet-D, New Orleans, Phone 899-0683. X

Microbiologist, Ph.D., 36, 8 years of research in microbiology and taxonomy of microorganisms desires research position. Box 235, SCIENCE. X

Population Geneticist Ph.D., after 5 years of stimulating experience in commercial poultry breeding research, desires to return to academic life in a position involving teaching, research and/or administration. Strong statistics background. Experience includes 11 years in teaching and research in a genetics department, considerable statistical analysis of quantitative genetic data including programming three different computers and directing studies of many graduate students. References supplied on request. Box 238, SCIENCE. X

Research Leader, Biochemist/Immunochemist. Industrial and university experience, GS-15 rating. Fifteen years of postdoctoral experience, numerous publications and memberships. Desires position of responsibility. Box 234, SCIENCE. X

POSITIONS OPEN

RESEARCH DIRECTOR, San Francisco Bay Area. Sylvania Electronic Systems-West will shortly be initiating a continuing parapsychology research program emphasizing techniques to enhance ESP. Candidate must have research training and experience and must be experienced in the use of hypnosis. A Ph.D. or M.D. with research background is highly desirable. Candidates must be able to conduct and supervise research as well as take professional responsibility for the subjects. **Contact G. E. Hall, Sylvania Electronic Systems-West, P. O. Box 188SC, Mt. View, California.**

POSITIONS OPEN

CLINICAL RESEARCH ASSOCIATE (PHARMACEUTICALS)

Expanding pharmaceutical company in Fairfield County, Connecticut, has an opening in its Clinical Research Department for an experienced scientist with an advanced degree. Knowledge of medical terminology and experience in placing clinical studies necessary. Scientific writing ability essential. Send complete résumé of education and experience, along with salary requirements to:

S. Avakian, Ph.D.
**THE DENVER CHEMICAL
MANUFACTURING COMPANY**
35 Commerce Road
Stamford, Connecticut

UNIVERSITY OF CALIFORNIA DAVIS DEPARTMENT OF POULTRY HUSBANDRY

Applications are invited from suitable qualified persons for an appointment at the Assistant Professor level. Preference will be given candidates with training in Biochemistry and Nutrition who are interested in developing a program in comparative nutrition of avian species. Applications with curriculum vitae and list of publications should be submitted to **W. O. Wilson, Chairman.**

Microbiologist; 350-bed general hospital in Milwaukee, Wisconsin, with a large departmentalized laboratory has an opportunity for an experienced clinical microbiologist. The present staff of 3 full-time pathologists and 63 staff employees (46 technical) is presently undergoing expansion to include a fourth pathologist and key personnel in the technical areas. The hospital and laboratory have well-developed plans for expansion.

Responsibilities will include active participation in the daily work, supervision of staff (present three full-time and two part-time staff members), development of procedures, participation in investigational studies, teaching of medical technology students (School of Medicine Technology is affiliated with two colleges) and so forth. Candidates should have an advanced degree and experience in clinical microbiology. Experience in seroimmunology would be desirable but not required.

First inquiry should contain résumé and reference as well as salary expected. Submit reply to **Dr. Norbert Enzer, Director, Department of Pathology and Clinical Pathology, Mount Sinai Hospital, Milwaukee, Wisconsin.**

Pharmaceutical Research International

Position available as assistant director of international research. Person should have Ph.D. in organic chemistry and several years' experience in drug industry. He should be imaginative, energetic, and mature in judgment. Knowledge of foreign languages desirable but not essential. Position based in United States and will involve foreign travel. Please send complete resume to:

Personnel Director
BRISTOL LABORATORIES
DIVISION OF BRISTOL-MYERS CO.
SYRACUSE, N.Y. 13201
An equal opportunity employer

RESEARCH PHYSIOLOGIST OR HISTOLOGIST

M.S. or recent Ph.D., with interest in endocrines and/or microcirculation. Reply to:

Room 137 Salk Hall
University of Pittsburgh
Pittsburgh, Pa. 15213

POSITIONS OPEN

EDITOR-WRITER

familiar with modern instrumentation and methodologies of laboratory operation. New York Division of our client has background of continuous growth and offers splendid opportunity. Your inquiry should contain full particulars including salary expected.

RICHARD LA FOND ADVERTISING
505 Park Avenue
New York, N. Y. 10022

FELLOWSHIPS

BIOLOGISTS

Teaching fellowships available in 1965-1966 for male college graduates in small New England Liberal arts college for men. Opportunity for study; \$4,000.

Box 100, SCIENCE

NEW ZEALAND DEPARTMENT OF AGRICULTURE RUAKURA AGRICULTURAL RESEARCH CENTRE FACIAL ECZEMA RESEARCH FELLOWSHIPS

Two scientists are required for research work on facial eczema with special terms and conditions as set out below:

Ecologist or Climatologist, a plant ecologist familiar with the application of sensing and recording techniques in field studies or an agricultural meteorologist with experience in microclimatology is required to study the effect of pasture micro-climates in modifying the succession of micro-flora on arid parts and litter of pasture plants. The applicant must have had postgraduate research experience and would work in association with an established research team concerned with pasture management for the avoidance of facial eczema, a mycotoxicosis of grazing animals, the incidence of which is related to the occurrence of particular climatic conditions.

Biochemist, a person with training to Ph.D. level and with postdoctoral experience in biochemical research is required to study changes in the composition of blood and other tissues of animals affected with facial eczema, and the biochemical effects of administration of sporidesmin with special reference to the mode of action of sporidesmin and similar toxic substances.

Note: Sporidesmin, a highly toxic substance, has been isolated from a fungus found on pasture and its toxicological effects are being studied. It has been shown that hepatic cell damage and biliary obstruction lead to demonstrable changes in blood and liver constituents including alteration in serum cholesterol and transaminase levels and in liver lipids. Appointees to these positions will work in close association with existing groups at the Ruakura Agricultural Research Centre studying the pathology and mycology of the disease, the chemistry of sporidesmin and other fungal products and field control measures.

Terms of appointment include: Period of tenure, 2 to 4 years with right to remain or leave at end. Salary, up to £3100 p.a. dependent on scientific merit. Fares, to and from New Zealand paid for appointee and family. Superannuation, right to join the Government Superannuation Fund. Arrangements made for P. S. S. U. members. Expenses, interview and travelling, and so forth. Loss on sale of furniture or storage, and so forth. Housing, available for married appointees.

For further details apply to the Ambassador, Extraordinary and Plenipotentiary, New Zealand Embassy, 19 Observatory Circle, N.W., Washington, D.C. 20008.

Applications should reach New Zealand by 1 November 1965

The Market Place

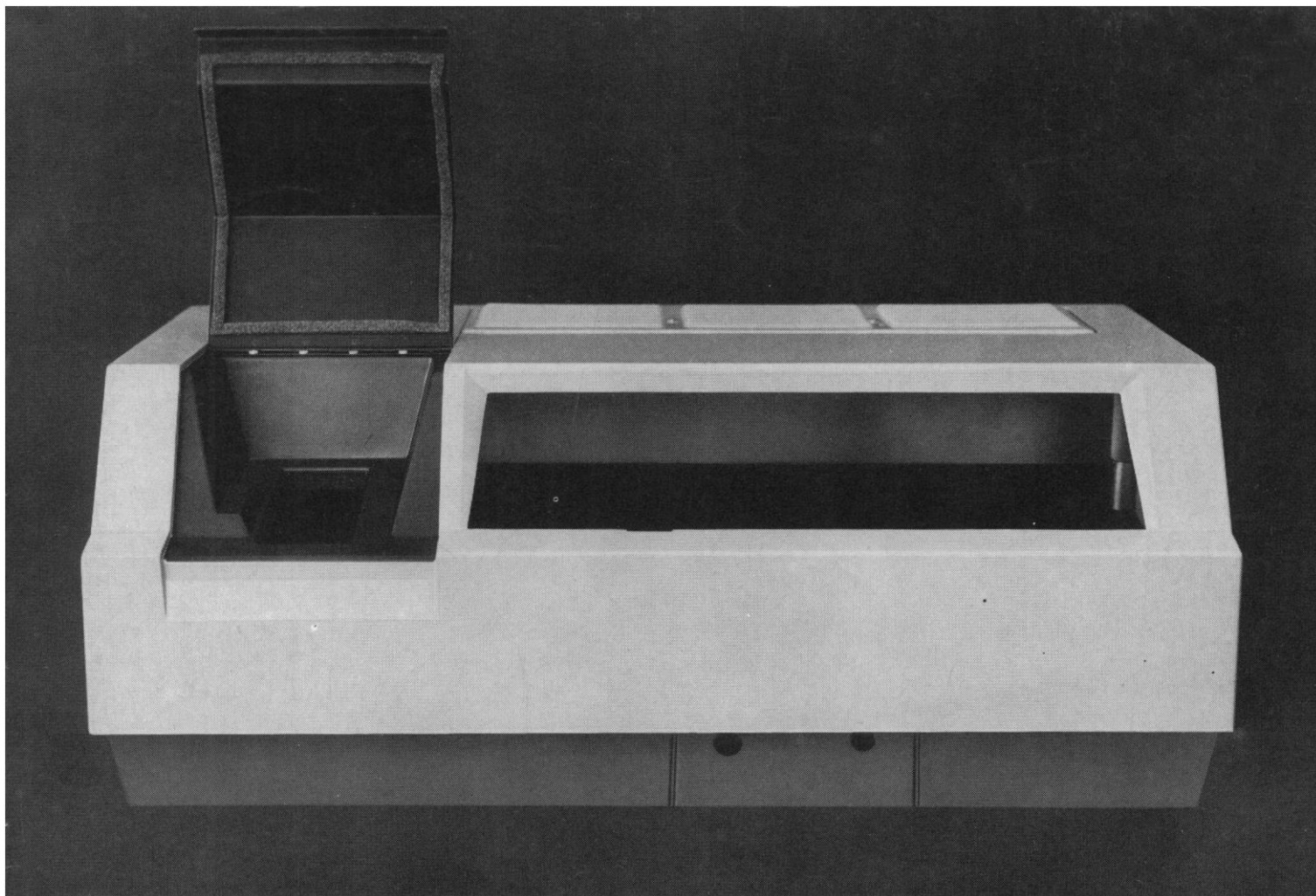
SUPPLIES AND EQUIPMENT

SPRAGUE-DAWLEY, INC.

Pioneers in the development of the
STANDARD LABORATORY RAT.

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Madison, Wisconsin
CE 3-5318



This is a case for something new...

A new DB[®] Spectrophotometer? Yes, Beckman now offers the proven performance of the DB Spectrophotometer in a new grating version. It's called the DB-G Grating Spectrophotometer. It sells for \$2595 — only \$225 more than the prism DB. Both versions, which are identical except for optics, give you these advantages:

Wavelength Range. The 205-770 $m\mu$ range of the DB is extended to 190-700 $m\mu$ in the new DB-G. Add an inexpensive detector and go to 800 $m\mu$ with the DB-G. Both instruments give high resolution and wavelength accuracy, plus the proven performance common to Beckman Spectrophotometers.

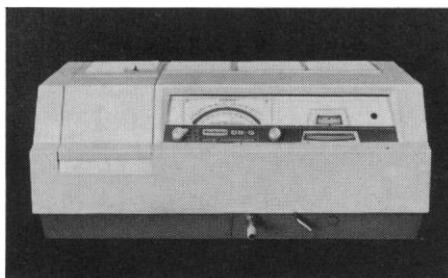
Dependability. Both use time-proven electronics and optics. Since their introduction five years ago, several thousand DB Spectrophotometers have established an outstanding record of dependable service.

Rapid, simple operation. Set the desired wavelength, insert the sample and reference, and read the meter. Ten minutes training and even your least experienced technician can operate the DB. And the double-beam design saves 60-80% of the time required for routine single-beam analysis.

Versatility. A full line of low-cost accessories greatly enhances the use of DB Spectrophotometers. Add a Beckman re-

corder to either version and you have a precision, double-beam, ratio-recording instrument priced at a thousand dollars less than comparable instruments. Other accessories permit wavelength scanning, reflectance studies, and atomic absorption measurements.

Does this sound too good to be true? Call your local Beckman Sales Engineer and have him show you both prism and grating DB Spectrophotometers. Or write for Data File LUV-165. You get a lot more than you expect when you get a Beckman DB Spectrophotometer.



Beckman

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If you need a simple, reliable, high-performance H^3 and C^{14} counter that gives you the most accurate information in the least time, select Nuclear-Chicago's new Model 6860.

Here are just a few of the innovations of this remarkable new liquid scintillation system:

Integrated microcircuits and true electronic calculation for a new order of reliability and simplicity.

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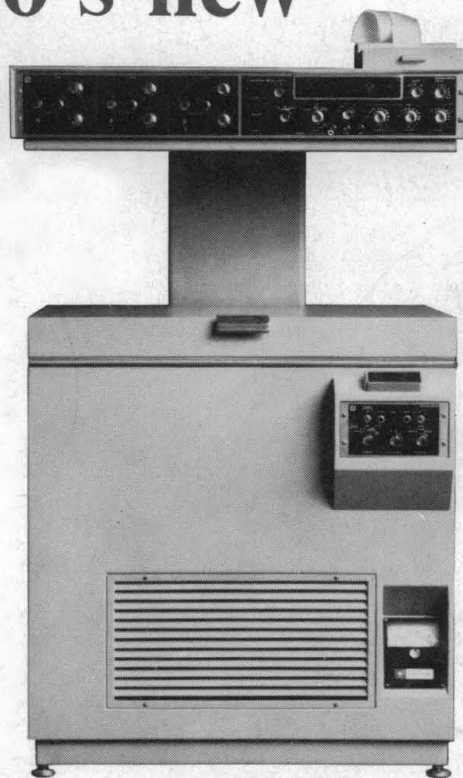
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Scientists and engineers interested in challenging career opportunities are invited to contact our personnel director.



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