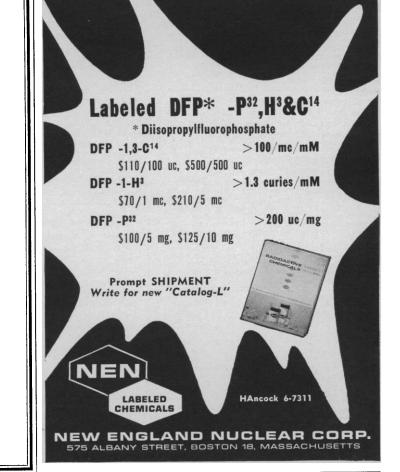
RESEARCH LABORATORY MANAGER

Unusual opportunity for a Ph.D. Biochemist or Chemist to manage a large research laboratory in a growth company with a twodecade record of leadership in its field. The man who qualifies joins the top management team. Top income and outstanding benefits. For further information, please send your résumé in confidence to:

Box 568, SCIENCE



Personnel Placement

POSITIONS WANTED

Biologist/Parasitologist, Ph.D., D.Sc. Fifteen years' university experience. Broad teaching background; 32 papers. Desires sabbatical year lecturing or research. Prefers eastern U.S. or Near East. Box 35, SCIENCE. X

Cardiovascular Physiologist experienced in regional blood flow measurement (flowmeters). Biochemical and pharmacological background. Undergraduate, graduate, and medical student teaching experience. Publications in fetal hemodynamics, aerospace physiology, cellular biochemistry, stress, gut physiology. Box 26, SCIENCE. X

(a) Cell Physiology Ph.D., microbiology minor; 10 years' university teaching of microbiology and biological sciences; seeks faculty appointment, (b) Biochemistry Ph.D., organic chemistry minor; commercial and medical research experience; prefers basic research opportunity. Write Woodward Medical Personnel Bureau, 185 North Wabash, Chicago 60601.

Economic and Mining Geologist available for permanent teaching position; 7 years of industrial and 6 years of teaching experience in metallic and nonmetallic mineral deposits, economics of the mineral industries, mining and exploration geology. Ph.D. expected from large mining school. Box 21, SCIENCE. 1/29

Information Searcher in technical literature; advanced science degrees and library degree; literature experience with agriculture, biological sciences, pharmaceutical, petroleum, and engineering. Box 29, SCIENCE.

Zoologist, Ph.D. 1965, training and teaching experience in ecology, invertebrates, parasitology. Desire academic position, Box 28, SCIENCE. X

29 JANUARY 1965

POSITIONS WANTED

Microbiologist, Ph.D., diverse background teaching and research. Publications. Desire challenging position research, teaching, administration. Prefer western United States. Box 36, SCIENCE. X

Mineralogist, Ph.D., experienced in x-ray diffraction, structural mineralogy, petrology, clays, has teaching experience; presently postdoctoral fellow. Desires academic position. Box 37, SCIENCE. X

(a) **Ph.D. Physical Chemistry-Biochemistry** (physiology minor); strong nucleonic background; experienced in and prefers teaching-research combination. (b) **Ph.D. Parasitology** (bacteriologyimmunonology minor); M.S.P.H.; desires medically oriented teaching-research. (c) **Ph.D. Physiology** (physiological chemistry minor); endocrine, pulmonary research; prefers research, teaching. (d) **Marine Microbiologist**; extensive oceanographic training; wants research, teaching. For information please write: Science Service, The Medical Bureau Inc., 900 North Michigan Avenue, Chicago, Illinois 60611.

Ph.D. Virologist, Microbiologist, broad background, epidemiology tissue culture, and so forth. Seeks institutional research or academic position. Box 27, SCIENCE. 1/29 X

Physiologist-Zoologist, Ph.D. Interests in mammalian, endocrine, general physiology, radiobiology. University-college teaching, research. Experienced. Box 31, SCIENCE. X

Rheologist-Biologist, with heat transfer experience. Teaching, research, industrial background. Multilingual. Desires challenging academic or industrial position. Box 34, SCIENCE. X

Technical Writer; associate professor of humanities, M.A., age 41; 14 years of supervisory and teaching experience in technical writing at a cooperative engineering school. Seeks greater responsibilities. Primary interests: ideas, education, writing. Preferred location: California. Box 32, SCIENCE. X

Translator. French-English, English-French. Prompt service. Box 33, SCIENCE. X

VIROLOGIST



An excellent opportunity currently exists with our vaccine research laboratories for a Ph.D. with 3 to 5 years' experience in viral vaccine or related research. Position involves conducting and directing the research and development of viral vaccines.

National offers a good salary and fringe benefits program for qualified scientists. Continued expansion of our research laboratories also makes this an excellent growth opportunity.

> If Interested Please Direct Your Résumé To—

> > Charles D. Wright



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POSITIONS OPEN

BIOLOGIST to teach natural science biology, ecology, and other biology courses. Liberal arts college. Mid-west, Start September 1965 as assistant or asso-ciate professor. \$7000 to \$11,000 for 9 months plus 12 percent for 5-week summer session. Excellent fringe benefits. Permanent position. Write: Dean Allen Jackson, Morningside Col-lege, Sioux City, Iowa.

Clinical Laboratory Supervisor with special interest in biochemistry. Excellent salary for person combining technical knowledge and managerial ability. B.S. or M.S. degree.

Physicians Clinical Laboratory 425 East Washington Street Ann Arbor, Michigan

Graduate Opportunities in Biophysics. The Penn-sylvania State University. Applications are invited for graduate appointments leading to the M.S. and Ph.D. degrees in biophysics. The interdisci-plinary nature of the program makes available to students a large number of research oppor-tunities in molecular and cellular biophysics. Graduate assistantships, traineeships, and fellow-ships are available. For further information write Professor Ernest C. Pollard, Head, Department of Biophysics, 101 Walker Laboratory, University Parthologiet

Park, Pennsylvania 16802. Pathologist We require a pathologist with 3 or more years residency in pathology, qualifying for Boards in this specialty. Must be interested in experimental pathology and toxicology, and have an advanced degree, preferably D.V.M. or M.D. Must be able to supervise preparation of pathological specimens for growth examination and for microscopy (light and electronic). Must be able to submit technical reports of work performed and provide basis (1) for scientific publications and (2) for the filing of pre-clinical data on new drugs with the F.D.A. Send confidential resume to Personnel Manager Wallace Laboratories (Div. of Carter Products, Inc.) Cranbury An equal opportunity employer Research Opportunities in Virology and Biochem-

An equal opportunity employer Research Opportunities in Virology and Biochem-istry available for well qualified candidates (Ph.D.) with a non-profit organization with a multidisciplinary investigational program in both clinical and basic sciences. Applicants must offer evidence of ability to conduct original research work and to imglement and direct expansion of the presently available facilities. For further in-formation write: C. J. Falliers, M.D., Medical Director, Children's Asthma Research Institute and Hospital, 3401 West 19th Avenue, Denver, Colorado 80204.

SOCIOLOGY

Assistant or associate professor, Ph.D. or near-Ph.D. preferred. Teach 12-hour load in 12-man department offering small M.A. program. Minimum base salary (with doctorate), \$7500. Fall 1965. Write to: Bernard Meltzer, Central Michigan University, Mount Pleasant, Michigan.

TOXICOLOGIST. D.V.M. or Ph.D. to head Toxicology Section in growing, progressive pharmaceutical company, responsibility toxi-cology program and own research. University affiliation offered. Salary open, commensurate with experience. Please send résumé and in-quiries to Murray Finkelstein, Ph.D., Director of Pharmacology, LAKESIDE LABORA-TORIES, Milwaukee, Wisconsin 53201. An Equal Opportunity Employer

(a) Virologist, tissue culture exp; murine viral leukemia studies; imp. research institute, Calif; \$12,000 to \$15,000. (b) Biochemist, cardiovascular drug research, large univ. hosp; E; \$12,000. (c) Physiologist Section Head of CNS Dept., leading drug mfr; E; \$12,000 to \$14,000. (d) Assoc./Assist. Prof. Neurochemical research at university; MidW; \$9000 to \$12,000. (e) Im-munologist R&D animal vaccine veterinary prod. mfr; W; \$14,500. Nationwide opportuni-ties. Write Woodward Medical Personnel Bureau, 185 N. Wahash, Chicago, III. Professional Placement Services for 68 years

Virologist-Microbiologist. An excellent opportunity for a man with M.S. or Ph.D. and experience in virology and tissue culture with a young, fast-growing company. Work involves study of infec-tious diseases of animals. Benefits include profit sharing, group insurance and many others. Send résume and salary requirements to Research Dept., Diamond Laboratories, Inc., 2538 S.E. 43rd Street, Des Moines, Iowa.

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POSITIONS OPEN APPOINTMENTS IN BIOLOGY DALHOUSIE UNIVERSITY

HALIFAX, NOVA SCOTIA, CANADA

Dalhousie University invites applications for three positions in the Department of Biology. Appointments will be made at the rank and salary appropriate to teaching and research ex-perience. For a recent Ph.D. the starting salary will not be less than \$7000.

Will not be less than \$7000. Preference will be given to applicants with specialization in the following fields: experi-mental zoology (including cellular and neuro-physiology as well as invertebrate behavior); ex-perimental plant taxonomy; algology, plant virology or mycology; plant physiology or bio-physics.

Applications, giving curriculum vitae, teaching experience, list of publications and addresses of referees, should be sent to *Head*, **Department of Biology**, **Dalhousie University**, **Halifax**, **Nova Scotia**, **Canada**. 1/29

BIOLOGICAL RESEARCH DIRECTOR Veterinary Drugs

National company. Will be responsible for all biological research and development activities. Should have Ph.D. in re-lated area with 6 to 8 years of experience as director or assistant director of biological research, preferably veterinary drugs. Must have thorough knowledge of tissue culture products and vaccine production. This is a rare opportunity for the properly qualified individual. All replies will be held in utmost confidence.

Box 24, SCIENCE

Biochemistry faculty position in chemistry department. In addition to an active interest in teach-ing, strong research orientation is required for Ph.D. and M.S. thesis direction. Rank and salary open. Send résumé to:

Arthur Fry, Chairman, Department of Chemistry University of Arkansas, Fayetteville, Arkansas 72701

Independent Academic Research: An opportunity to develop your ideas. Spacious new facilities, limited teaching and academic affiliation (University of Oklahoma School of Medicine) are available. Ph.D. in biochemistry or related field required. Rank and salary depends on experience. Box 22, SCIENCE.

MICROBIOLOGIST: M.S. or Ph.D. with 2 to years' experience, preferably on evaluation of Bactericides. Position will involve setting up and operating a laboratory to evaluate chemicals as bactericides, fungicides, algaecides. Will involve developing data to support FDA or USDA registration. Send résumé to U.S. Borax Research Corporation, 412 Crescent Way, Anaheim, Cali-fornia 92803. An equal opportunity employer.

UNIVERSITY OF VICTORIA

Victoria, British Columbia, Canada The Department of Biology intends to make ap-pointments to the following posts for which appliitions are invited. ICHTHYOLOGIST or other marine vertebrates

specialist; BIOLOGICAL OCEANOGRAPHER; COMPARATIVE PHYSIOLOGIST; MYCOLOGIST (preferably marine) BIOCHEMIST

MYCOLOGIST (preferably marine) BIOCHEMIST Each successful applicant will be expected to teach a senior course in the field of his specialty, to assist with some junior classes, and to conduct research. Appointments will be at appropriate rank and salary according to qualifications and experience. Ph.D. required. Duties commence Sep-tember 1, 1965. LABORATORY INSTRUCTORS in Botany and Zo-ology (preferably with Master's degree or course work for it completed) will also be appointed. Applications should include biographical informa-tion, a curriculum vitae, the names of three referees (from whom letters should be sent direct), a recent photograph and statement of salary expected. Transcripts of academic records will be required. Applications should be sent to W. Gordon Fields, Department of Biology, University of Victoria, Vic-toria, British Columbia, Canada.

FELLOWSHIPS

University of Alberta GRADUATE WORK IN PHARMACOLOGY

Assistantships available for students working towards higher degree. Stipends from \$2400-\$4000. Further information: Dr. G. S. Marks, Dept. Pharmacology, Edmonton, Alberta, Canada.

TRAINEESHIPS FOR GRADUATE WORK IN PHARMACOLOGY

IN PHARMACOLOGY A 4-year program of course work and research training leading to the Ph.D. degree is offered. U.S. citizens only. Research in fundamental mechanisms of drug action. Starting annual sti-pend \$2400 plus tuition and \$500 per dependent. Early application for September 1965 strongly advised. Write: Department of Pharmacology, School of Medicine, State Univ. of New York at Buffalo, 122 Capen Hall, Buffalo, N.Y. 14214. 2/12, 26, 3/12

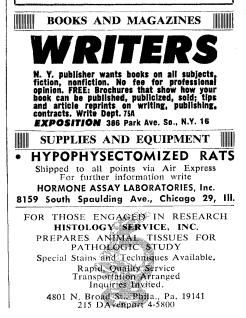
Applications are invited for PREDOCTORAL TRAINEESHIPS IN BIOCHEMISTRY. The stipend for first-year Trainees is \$2,400 plus tuition and a \$500 allowance for each dependent. No services are required of firstyear Trainees other than successful progress toward the Ph.D. degree. During subsequent years a very limited amount of teaching experience is included as part of the training program. Traineeships awards may be made only to U.S. citizens. Inquiries should be addressed to: Director of Graduate Studies, Department of Biochemistry, Medical Center, University of Kentucky, Lexington, Ky. 40506.

The Market Place

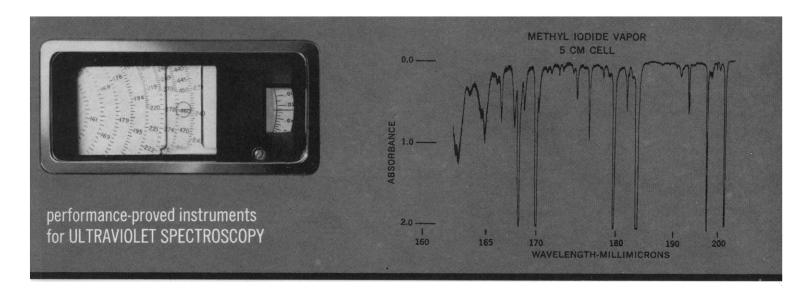
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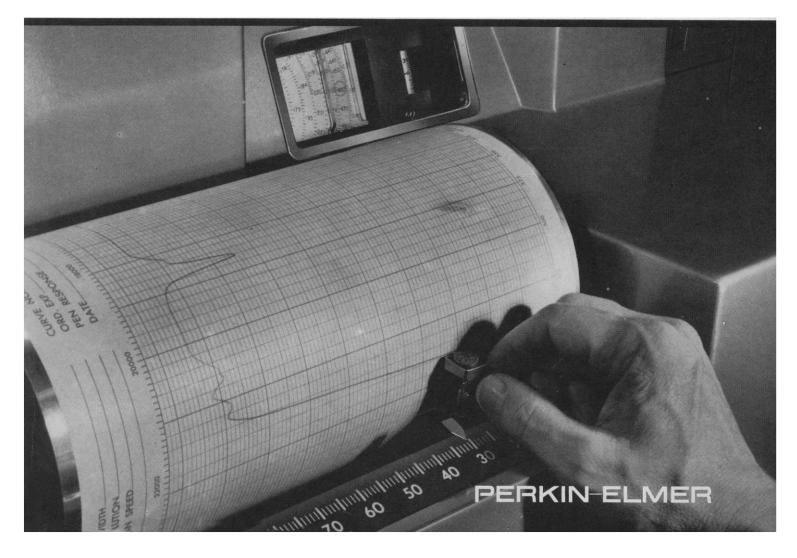
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A highly versatile analytical instrument, the Model 450 Spectrophotometer has a new extended range—from 165 to 2700 millimicrons. Its uniquely high energy system allows workable analyses in the far UV with comparatively little purging and no vacuum requirements—while offering the lowest stray light (.0002% at 210 m μ) over the widest range. Model 450—because of its double monochromator—presents no problems due to stray even in energylimited spectral regions.

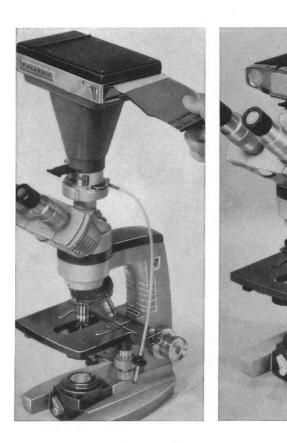
From the far ultraviolet spectrum to the near infrared, the Model 450 offers superb resolution—separates bands less than 0.3 Angstrom apart at 175 m μ . The integral ordinate scale expansion feature lets any weak or recessive band—on any portion of the ordinate—no matter how dense or dilute, to be expanded by factors of 5,

10, 20 or 50 X, with the turn of a dial. A wide choice of accessories broadens the Model 450's applications. With these attachments you can perform, for example, kinetic studies – fluorescence analyses – diffuse reflectance and colorimetric work –temperature sensitive determinations – flame spectra studies of most elements – analyses of micro-samples – optical rotatory dispersion – and many more.

For a fully illustrated brochure and specifications on the Model 450, including sample spectra, write to Instrument Division, Perkin-Elmer Corporation, **910** Main Avenue, Norwalk, Conn.



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