

# 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.

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

**DISPLAY: Positions Open.** Rates listed below—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 established. Send copy for display advertising to *SCIENCE*, Room 1740, 11 West 42 St., New York 36.

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

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

**Bacteriologist**, female, 31, German, Ph.D., 4 years' practical experience with German pharmaceutical firms (vitamins, intrinsic factor, disinfection, preservation, antiseptics, essential oils, complete microscopic technique including ultramicrotomy, etc.). Box 130, *SCIENCE*. X

**Biochemist**, now overseas with government program, returning to America in October, desires research, teaching position in protein chemistry. Especially interested protein structure studies. Box 134, *SCIENCE*. X

**Biologist**. Chairman of department in large university desires senior nonadministrative position including opportunity for research in invertebrate zoology, pathology, or microbiology. Box 126, *SCIENCE*. X

**Botanist**, Ph.D. 20 years' teaching, research, administration; publications, grants. Box 128, *SCIENCE*. X

**Chemist-Biochemist**, M.S., Ph.D. University clinical chemistry desired—to participate in a service program, to improve and initiate methodologies, independent research, and limited teaching. Box 135, *SCIENCE*. X

**Cytogeneticist**, Ph.D. Experienced—human chromosome, tissue culture. Seeks research position. Box 131, *SCIENCE*. X

(a) **M.S. Bacteriology**, interested in clinical, research, teaching. (b) **Ph.D. Biochemistry** (organic chemistry, physiology); endocrine, bioanalytical, pharmaceutical experience; prefers research/research administration. (Please write for information regarding these and other scientists, senior and junior, in all fields; nationwide and very active service.) Science Division, The Medical Bureau, Inc., Burneice Larson, Chairman, 900 N. Michigan Avenue, Chicago 11, Illinois. X

**Microbiologist**, Ph.D. Molecular biology, microbial genetics, transduction, transformation, and tissue culture, virology. Seeks department with nucleic acid biochemistry orientation. Box 129, *SCIENCE*. 6/22, 29

**Pharmacologist** with broad background in research and administration desires change in position in CNS area. Box 136, *SCIENCE*. X

**Ph.D.** desires teaching applied paleontology paleoecology, 20 years in teaching, industry. Box 127, *SCIENCE*. X

**Research Assistant** and former medical student desires position in experimental medical research, particularly in clinical pathology. Box 133, *SCIENCE*. X

## POSITIONS WANTED

**Physiologist**, Ph.D. Ambitious, brilliant; 3 years of postdoctoral research and teaching experience. Publications. Membership in several scientific societies. Cardiovascular physiology, lipid metabolism, experimental production, and prevention of arteriosclerosis. Desires faculty appointment in medical school, or research position in industry. Box 132, *SCIENCE*. 6/22

**Young Embryologist**—2 years of independent postdoctoral research—seeks academic position (Sept. '62) with possibility to continue promising tissue culture research. Maxwell Braverman, Department of Developmental Physiology, Wenner-Gren Institute, Stockholm, Sweden. 6/15, 6/22, 6/29

## POSITIONS OPEN

**BIOLOGIST**—M.S.—Experienced in cancer research. Small, independent, dynamic company specializing in biology and applied chemistry. Located in suburban Washington, D.C., near excellent libraries and top government agencies. Projects in such exciting and diversified areas of research as radiobiology, pharmacology, primate behavioral studies, and primate breeding programs. Latest equipment including Sanborn, Auto-analyzer, gas chromatograph, electron microscope, U.N.-IR, Visible Recording Spectrophotometers, and Foringer automated operant behavioral equipment. Opportunity for scientific meeting attendance and publications. Associate with stimulating professional group. Liberal employee benefit program including profit sharing. For further information call or write K. T. Paynter, Personnel Manager, **Hazleton Laboratories, Inc.**, Box 30, Falls Church, Virginia (JE 2-5800). 6/15, 22, 29

(a) **M.E.E. Electronics**, instrumentation for neurophysiological research; East; competitive salary. (b) **M.S./Ph.D. Microbiology**, director of quality control; central; to \$12,000. (c) **M.S./Ph.D. Pharmacy**, pharmaceutical chemistry, R&D, central pharmaceutical house. (d) **Ph.D. Biology Faculty Appointment** (anatomy, physiology), eastern liberal arts college. (e) **M.S. Biology/Bacteriology**, small Midwest liberal arts college; \$5000 plus time and financial aid toward advanced degree. Many other opportunities available for both Junior and Senior Scientists. Please write Science Division, **The Medical Bureau, Inc.**, Burneice Larson, Chairman, 900 North Michigan Avenue, Chicago 11, Illinois. X

## VACCINE PRODUCTION

Men with vaccine production experience; human or animal, bacterial or viral. Managerial positions open to those with production and supervisory know how. MS degree required.

Challenging overseas assignment. Exceptional salary commensurate with background and experience.

Please write in complete confidence, listing background, education and experience to Personnel Department

**Pfizer International**

235 East 42nd. Street  
New York 17, New York

## LOW-LEVEL IRRADIATION

Editor: Austin M. Brues

A symposium organized by the AAAS Section on Zoological Sciences, cosponsored by the U.S. Atomic Energy Commission and the Division of Biological and Medical Research of the Argonne National Laboratory.

Public debate on global fallout has been acrimonious because scientific facts about radiation and human implications regarding nuclear warfare have become confused. Scientists have consequently been thought guilty of ignorance or of partisanship. The Symposium on Low-Level Irradiation deals in a considered way with the many points of view that have brought this about and indicates possible solutions.

Scientific Background: Introduction—National and Artificial Radiation Background of Man—Meteorological Factors and Fallout Distribution—Genetic Effects—Somatic Effects

Implications: Introduction—Radiation as a Public Health Problem—Responsibilities of the Press—Legal and Political Implications—Science and Morality

Summary and Conclusions—Index

December 1959, 158 pages, \$3.75  
AAAS Members' Cash Orders \$3.25

English Agents: Bailey Bros. & Swinfen, Ltd.  
Hyde House, West Central Street, London W.C.1

AMERICAN ASSOCIATION FOR  
THE ADVANCEMENT OF  
SCIENCE

1515 Massachusetts Ave., NW  
Washington 5, D.C.

## POSITIONS OPEN

## POSITIONS OPEN

### PHARMACOLOGIST

Expanding research facility requires Ph.D. in pharmacology with orientation toward one of the following fields: Cardiovascular, renal and electrolyte allergy. Position entails imaginative leadership of assigned personnel on a variety of basic and applied research problems.

Send résumé including curriculum vitae, personal objectives and salary requirements to Employment Department

#### WARNER-LAMBERT RESEARCH INSTITUTE

Morris Plains, New Jersey

An Equal Opportunity Employer

**CLINICAL BIOCHEMIST, Ph.D.** desired for chemical laboratories in a 500-bed general hospital. Excellent remuneration for a competent man, who can supervise, introduce new procedures and maintain high standards of performance. Research facilities available. Well equipped and staffed laboratories. Give full details to:

**Bernhard Steinberg, M.D.**  
The Toledo Hospital  
2142 North Cove Bldg., Toledo 6, Ohio

#### DIRECTOR OF RESEARCH

Ph.D. in physical or analytical chemistry with special interest in developing advanced chemical and biochemical instrumentation. A creative understanding of **ELECTRODE CHEMISTRY** essential. Small, rapidly growing N.E. firm, with excellent electronic design division now needs to develop same quality chemistry division. **GROUND FLOOR** opportunity with company that has been profitable from start. Initial products extremely well accepted. Attractive salary and stock options. Send résumé to Box 125, SCIENCE.

#### MEDICAL WRITER for LEADING PHARMACEUTICAL RESEARCH ORGANIZATION

M.S. or equivalent in biology, preferably in pharmacology or physiology. To join coordination section which is responsible for organizing laboratory and clinical data on new drug research. Challenging position with an organization of over 500 employees, with a very active program. Plateau overlooking Hudson River Valley in the heart of New York State vacation area.

#### EXCELLENT COMPANY BENEFITS SALARY OPEN

Please send résumé to:

**Mr. C. E. Alford**  
Director of Personnel  
Sterling-Winthrop Research Institute  
Rensselaer (Albany) New York

**MICROBIOLOGIST III** and **ANIMAL ECOLOGIST I** for the State of Hawaii bubonic plague research project. **MICROBIOLOGIST** requires master's degree in biological or medical science and 3 years' experience conducting bacteriological, parasitological and serological tests and analyses. \$7488-\$9552. **ANIMAL ECOLOGIST** requires bachelor's degree in biological science and 2 years' research experience in zoology, mammalogy, animal ecology or entomology. \$5592-\$7128. Contact **Department of Personnel Services**, 825 Millani St., Honolulu 13, Hawaii.

### ENZYMOLGY RESEARCH

Rapidly expanding research institute of major drug company located one hour from New York City requires recent Ph.D. Biochemist who has displayed special interests in the areas of enzymology energetics and intermediary metabolism, to assist in directing new program to learn mechanisms involved in diseases of the cardiovascular and central nervous systems.

Send résumé stating salary desired to  
EMPLOYMENT DEPARTMENT

#### WARNER-LAMBERT RESEARCH INSTITUTE

Morris Plains, New Jersey

An Equal Opportunity Employer

**BIOCHEMIST.** Research laboratories of a bulk pharmaceutical manufacturer require the addition of a senior investigator skilled in the isolation, purification, and identification of natural products from animal, vegetable, and microbial sources, with emphasis on enzymes and hormones. Qualified applicants should have a Ph.D. in the appropriate discipline, and up to 5 years' experience. Dr. C. W. de Fiebre, Research Director, The Wilson Laboratories, Pharmaceutical Division of Wilson & Co., 4221 So. Western Blvd., Chicago 9, Illinois. 6/29; 7/13, 27

#### BIOLOGIST

M.S. or equivalent. New York State pharmaceutical company seeks scientist with sound training in virology and tissue cell culture or related fields, to participate in project concerning chemotherapy of virus diseases. Excellent benefits. Salary open. Equal opportunity employer. Send complete résumé to **Personnel Director**

#### BRISTOL LABORATORIES

P.O. Box 657

Syracuse 1, New York

**CHEMISTRY**—Two positions. One Analytic Chemistry and General Chemistry, one General Chemistry and Biochemistry. Ph.D. degrees preferred. Title: Assistant or Associate Professorships. Starting salary \$7500-\$10,000. **MATHEMATICS**—Ph.D. degree preferred. Title and salary open. Teaching largely at undergraduate level.

Apply with complete credentials to **Chairman, Department of Science and Mathematics, State University College at Plattsburgh, Plattsburgh, New York.**

#### PHARMACOLOGIST-TOXICOLOGIST (Ph.D.)

Research organization offers unusual opportunity for responsible scientist trained in pharmacology and toxicology to head laboratories. Industrial experience preferred but not essential. Salary commensurate with experience. Liberal benefit program includes profit sharing. Call collect or write: **Arthur D. Herrick**, New Drug Institute, 660 Madison Avenue, New York (MU 8-0640).

**Supervisor of Central Services.** Immediate opening 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 experience 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.

# The Market Place

BOOKS • SERVICES • SUPPLIES • EQUIPMENT

**DISPLAY:** Insertions must be at least 1 inch in depth. Weekly invoices will be sent on a charge account basis—provided that satisfactory credit is established.

Single insertion	\$60 per inch
4 times in 1 year	55 per inch
13 times in 1 year	50 per inch
26 times in 1 year	50 per inch

**PROOFS:** If copy is to be set, and proofs submitted for approval, complete copy and cuts must be received 4 weeks in advance of issue date (Friday of each week); complete plates no later than 3 weeks in advance of issue date.

## BOOKS AND MAGAZINES

### Your sets and files of scientific journals

are needed by our library and institutional customers. Please send us lists and description of periodical files you are willing to sell at high market prices. Write Dept. A3S, CANNER'S, Inc. Boston 20, Massachusetts

## SCIENTIFIC JOURNALS WANTED

Sets, Runs and Volumes bought at top prices. Your wants supplied from our Back Files of over 3,000,000 periodicals. **Abrahams Magazine Service N. Y. 3, N. Y.**

## PROFESSIONAL SERVICES

Consultation and Research since 1922

<b>Food and Drug Research Laboratories</b> INCORPORATED	Maurice Avenue	Toxicology
	at 58th Street	Pharmacology
	New York City	Biochemistry
	TWining 4-0800	Bacteriology
		Nutrition

BERNARD L. OSER, Ph.D. Director

**WHERE EXPERIENCE COUNTS**

## SUPPLIES AND EQUIPMENT

### SPRAGUE-DAWLEY, INC.

Pioneers in the development of the  
**STANDARD LABORATORY RAT.**

P.O. Box 2071

Madison, Wisconsin

CE 3-5318

## YOU NEED THIS FREE

1962 CATALOG

Serums, antisera and bloods of all kinds for technicians and tissue culture laboratories. No salesman will call.

**COLORADO SERUM CO.**

4950 York St. • MAin 3-5373 • Denver 16, Colo.

## albino rats

HYPOPHYSECTOMY  
SPECIALISTS

"From the hand of the  
veterinarian to research."

Trade Mark

CD STRAINS

RANDOM BRED &  
INBRED RATS

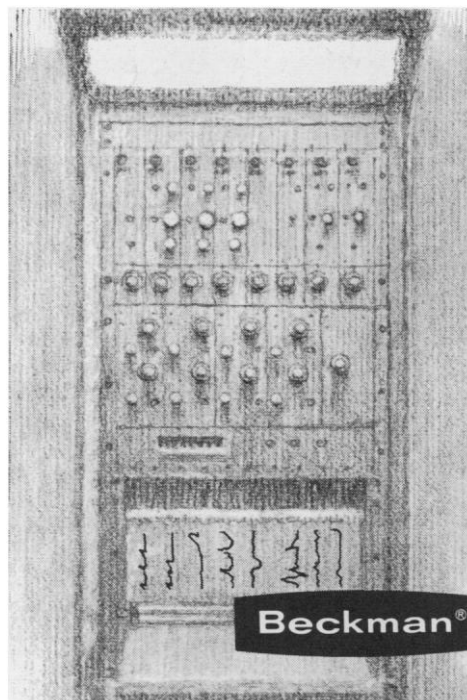
**THE CHARLES RIVER BREEDING LABS.**

1018 Beacon St., Brookline 46, Mass.

AREA CODE 617 RE 4-2000

**Offner Type R Dynograph® Recorder** / *will it help unlock secrets of delta P and open new doors in Hemodynamics?*

It may. The flexibility,  
rapid response and fidelity of  
Offner Equipment already have  
sensitively and accurately  
measured minute pressure  
differences which point  
toward new theories.  
You can monitor patient  
condition with the same precision.  
Get simultaneous written  
recording on up to 24 channels  
of EKG, EEG, temperature,  
respiration, blood pressure—all  
physiological data. Simple,  
inexpensive input couplers make  
this versatility possible at far  
lower cost than the special  
purpose amplifiers required by  
most other recorders. Durable  
transistor circuitry offers great  
reliability. The new ideas  
on delta P are the subject  
of a paper recently published by  
Dr. Merrill Spencer, Bowman Gray  
Medical School Hospital, Winston-Salem,  
N. Carolina.\* The new ideas in  
medical recording? Write us.



Beckman®

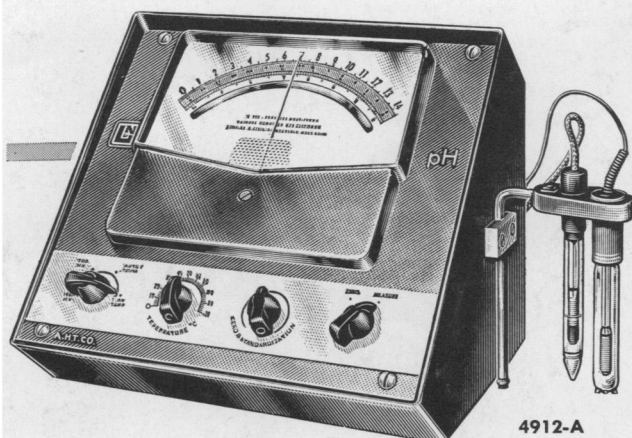
INSTRUMENTS, INC.

**OFFNER DIVISION**  
Schiller Park, Illinois

062-783

\*See Circulation Research; "Dynamics of Ventricular Ejection" by Dr. Merrill Spencer, Vol. 10, March, 1962, pg. 274.

# New . . . Stabilized, Line Operated L. & N. pH METER



- STABLE
- FAST
- LARGE SCALE
- METAL CASE

A new, stabilized line-operated instrument for rapid and accurate pH measurements. Range pH 0 to 14 with an accuracy of  $\pm 0.07$  pH (readings reproducible to 0.02 pH). Millivolt ranges 0 to  $\pm 700$  mv and 0 to  $\pm 1400$  mv with an accuracy of  $\pm 5$  mv and  $\pm 10$  mv respectively. Advantages of this new pH Meter are:

**Stability.** Time-proved, feedback stabilized measuring circuit pioneered by L.&N. Unaffected by normal line voltage fluctuations or by changes in amplifier gain. No appreciable zero drift after warm-up of approximately one minute.

**Fast Response.** Pointer moves *directly* to reading in less than 2 seconds after warm-up.

**Large Scale.** The 7-inch mirrored scale covers a continuous pH 0 to 14 range and four mv scales. When using the millivolt ranges, zero can be placed at any point on the scale, permitting use of the full range.

**Unbreakable Metal Case.** Of heavy gauge steel with epoxy and vinyl finishes for chemical resistance. Built-in hand grip provides ease in carrying.

**Convenient Operation.** Rotary type controls are mounted on sloping front panel for maximum accessibility from any working position. Terminal board on back provides for grounding and for convenient connection of electrodes, adapter for polarizing current, adapter for glass electrodes with other types of terminal plugs, automatic temperature compensator, and recorder.

**Manual or Automatic Temperature Compensation.** A dial 0 to 100°C is provided for use in manual compensation for solution temperature. For automatic compensation, a Thermohm® detector (offered as an accessory) is inserted in the solution and connected to the pH Meter.

With the substitution of a Platinum Electrode for the Glass Measuring Electrode, the instrument can be used for redox measurements; with the addition of a Polarizing Current Adapter and the use of two suitable Platinum or other metallic electrodes, the instrument can be used for Karl Fischer or similar dead-stop titrations.

**4912-A. L. & N. pH Meter, Model 7401-A1**, as described, with one each L. & N. 5-inch Glass Measuring and Calomel Reference Electrodes with 24-inch leads; electrode holder, 1 pt. Buffer Solution pH 6.86; 4 oz. KCl cryst.; and directions for use. With 3-wire cord, 3-prong plug and adapter. For 120 volts, 50 to 60 cycles. . . . . **330.00**

Ranges	0 to 14 pH	0 to $\pm 700$ mv	0 to $\pm 1400$ mv
Smallest Division	0.1 pH	10 mv	10 mv
Readability	0.02 pH	1.0 mv	2.0 mv
Reproducibility	0.02 pH	1.0 mv	2.0 mv
Limits of Error			
Meter Indication	$\pm 0.07$ pH*	$\pm 5$ mv	$\pm 10$ mv

\* $\pm 0.03$  pH when careful measuring techniques are used.

Detailed descriptive bulletin E-96 sent upon request. For other pH Meters and accessories, see pp. 412-431, incl., of our 1961 general catalog.



**ARTHUR H. THOMAS COMPANY**

*Scientific Apparatus and Reagents*

VINE STREET AT 3RD • P. O. BOX 779 • PHILADELPHIA 5, PA., U. S. A.