

PERSONNEL PLACEMENT

CLASSIFIED: Positions Wanted. 25c 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 only to 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 \$65.00 per inch
4 times in 1 year 60.00 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, D.C. 20005

POSITIONS WANTED

Biochemist, Ph.D. Cancer biochemistry, neurochemistry, 14 publications, 5 years of postdoctoral experience; seeks academic position in Canada. Box 556, **SCIENCE**. X

(a) **Cytology Ph.D.**, Mycology M.A.; fungi research, hospital bacteriology experience; available for clinical, teaching, or research appointment. (b) **Nutrition Ph.D.**, chemistry minor, 1964 graduate of leading university; seeks nutrition or agricultural chemistry research position. Write **Woodward Medical Personnel Bureau**, 185 North Wabash, Chicago 60601. X

Microbiologist, Ph.D. Clinical, research, and teaching experience. Prefers academic position. Box 558, **SCIENCE**. X

Microbiologist working on Ph.D. wants research or teaching position in Hawaii, Colorado, New Mexico, or Texas. Ten years' experience. Box 557, **SCIENCE**. X

Microbiologist-Biochemist, Ph.D., presently director of an industrial research laboratory, desires position as research worker and/or teacher with university, college, or research institute. Age 59. Salary of secondary importance. Box 560, **SCIENCE**. X

Physical Chemist, Ph.D. 1959. Physical biochemistry of metalloproteins, thermodynamics of intermolecular interactions, solution photochemistry, spectroscopy, analytical techniques. Assistant professor level: university, institute. Box 561, **SCIENCE**. X

Virologist, Ph.D. 1957. Tissue culture, cancer, irradiation research. Seeks research-teaching position. Box 559, **SCIENCE**. 12/4

POSITIONS OPEN

THE WORTHINGTON BIOCHEMICAL CORPORATION,

specializing in purified enzymes, is interested in receiving applications from biochemists with a background in this field. Some experience with radioactive labeling is desirable.

Send résumé, including salary requirements, to:

WORTHINGTON BIOCHEMICAL CORPORATION
Freehold, New Jersey

POSITIONS OPEN

Positions Available with Growing Pharmaceutical Company ANALYTICAL CHEMIST

with M.S. or B.S. degree with experience in antibiotic and/or steroid analysis. Salary commensurate with experience and education. For analytical control and to assist in the development of new pharmaceutical products.

BACTERIOLOGIST

with B.S. degree with at least 1 year of experience in control bacteriology. Send résumé or request for further information to Box 522, **SCIENCE**. 11/27

HOSPITAL BACTERIOLOGIST

Must have a bachelor's in chemistry and bacteriology; flexible personality and ability to work independently essential. Salary commensurate with ability, training, and experience. Excellent benefit program.

Box 548, **SCIENCE**

IMMUNOLOGIST

For Diagnostic Reagents Division of Expanding Pharmaceutical Manufacturer
Qualification Requisites: Ph.D., Masters Degree or Equivalent. Work experience in immunology at industry, hospital, or university levels. Starting salary commensurate with experience. Excellent fringe benefit program provided. Write, outlining background, to **H. J. Cavanaugh, Personnel Manager**.

LLOYD BROTHERS, INC.

Associates in Hoechst World Wide Research
1385 Tennessee Avenue
Cincinnati 29, Ohio

Laboratory Technician for medical genetics research; must have a bachelor's in chemistry; some experience desirable, some physics helpful. Will be doing instrumentation, chromatography, and photospectrometry among other things. Salary commensurate with ability, training, and experience. Excellent benefit program. Box 562, **SCIENCE**. X

NATURAL SCIENCE DEPARTMENT of large midwestern university announces vacancies for Fall, 1965. These are teaching positions in natural science in an undergraduate general education program. Especially desired are scientists interested in teaching undergraduates; scholarly activity in its broadest sense is encouraged. Vacancies are at Instructor and Assistant Professor level, with salary range \$6,000—\$8,500, depending on experience and training. Interested parties should write for further information enclosing complete summaries of their professional background. All inquiries will be treated with the utmost confidence. An equal opportunity employer. Box 555, **SCIENCE**.

FISHERIES RESEARCH BOARD OF CANADA SCIENTIST—EXPERIMENTAL BIOLOGY

Applications are invited for the position of a biologist to conduct studies on the environment physiology of cold-water animals including fish, invertebrates, and marine mammals found in arctic waters.

Qualifications: A Ph.D. or M.Sc. degree from a university of recognized standing. Graduate studies should include majoring in ecology, physiology, or experimental biology with a working knowledge of statistics.

Classification and Salary: The successful candidate will be classified as Scientist 2 and will be appointed at a salary within the range of \$7000 to \$9100 commensurate with qualifications and experience.

Privileges: The Public Service Superannuation Act (including Supplementary Death Benefits), Civil Service Leave Regulations, Group Surgical-Medical Plan, and other benefits of public service are available to employees of the Fisheries Research Board of Canada.

Applications: Refer replies to Competition Ar-13. Submit complete résumé, three references (at least two from scientists or professors) and transcript of academic record. Further details on request. Address replies to **Director, Fisheries Research Board of Canada, Arctic Biological Station, 505 Pine Avenue West, Montreal 18, Quebec, Canada**

POSITIONS OPEN

The Department of Biology UNIVERSITY OF WATERLOO Waterloo, Ontario, Canada

expects to make appointments of faculty members for next academic year to teach courses in the following general areas:

Genetics
Neurophysiology
Entomology and Invertebrate Zoology
Plant Physiology

Applicants may obtain particulars from the **Chairman, Dr. H. B. N. Hynes**, and should send their curriculum vitae and the names of two referees before 15 January 1965.

LECTURER/SENIOR LECTURER IN PHYSICS NEWCASTLE UNIVERSITY COLLEGE The University of New South Wales Australia

The present salary range for a Lecturer is £A1936 to £A2636 or for a Senior Lecturer £A2786 to £A3286 per annum. Commencing salary will be in accordance with qualifications and experience.

Applicants should possess a good honors degree. It would be preferable if the applicant had some strength in theoretical physics.

Inquiries about teaching duties and departmental research may be addressed to the Head of the Department, Professor C. D. Ellyett.

An application form and details of appointment including superannuation, study leave, housing scheme, may be obtained from the Warden, Newcastle University College, Tiger's Hill, Newcastle, New South Wales, to whom typed applications, together with names of three referees, should be forwarded before 20 January 1965.

Applicants from the British Isles and from Europe should forward one copy of the application to the Warden by airmail and four copies to the Agent General for New South Wales, 56-57 Strand, London, W.C.2.

MONASH UNIVERSITY

Melbourne, Australia SENIOR LECTURERS OR LECTURERS IN PURE MATHEMATICS AND APPLIED MATHEMATICS

Applications are invited for appointment to the above positions from persons who either have a Ph.D. degree or equivalent research qualifications. Appointees will be required, inter alia, to offer courses to postgraduate students, and should preferably have interests in one or more of the following fields: algebra, algebraic or set-theoretic topology, functional analysis, mathematical logic, fluid dynamics, plasma physics and magnetohydrodynamics, astronomy.

Salary ranges:

Senior Lecturer A £2,700—A £3,250

Lecturer A £1,850—A £2,600

with superannuation provision on the F.S.S.U. basis

Benefits: Full travelling expenses for an appointee and family; removal allowance; repatriation after three years' appointment if desired; subsidized housing, plus availability of loans for home purchase; one year's study leave after six years' service, pro rata after 3 years, with provision for financial assistance.

Further general information is available from the Registrar of the University, P.O. Box 92, Clayton, Victoria, Australia, or the Secretary, Association of Commonwealth Universities, Marlborough House, Pall Mall, London, S.W.1. England. Enquiries concerning the Department of Mathematics should be addressed to the Chairman.

Closing date: 31 December 1964.

**F. H. Johnson
REGISTRAR**

POSITIONS OPEN

EDITORIAL ASSISTANT

A junior position is available with a major suburban pharmaceutical company for a person with a thorough knowledge of the English language and an interest in scientific literature and writing. At least 2 years of experience in writing or editing, preferably but not necessarily in scientific field, are required.

Please reply by transmitting a detailed, thoughtfully composed letter, which should describe your educational background, experience and salary requirements. Include a formal résumé if available.

Personnel Department

WALLACE LABORATORIES
(DIVISION OF CARTER PRODUCTS, INC.)
Cranbury New Jersey

An equal opportunity employer

PHYSICIAN

Expanding chemical-pharmaceutical company located in suburban Westchester County has an opening for a Physician in its department of Clinical Pharmacology. Candidates must have a background in clinical investigation, and help plan, arrange, collate and evaluate initial investigations of new drugs. Experience in biochemistry and/or pharmacology helpful.

Excellent starting salary and benefits program including unique vacation policy. Send complete résumé and indicate salary requirements to:

PERSONNEL DIRECTOR
GEIGY CHEMICAL CORP.
P.O. Box 430, Yonkers, NY

An equal opportunity employer

FISHERIES RESEARCH BOARD OF CANADA SCIENTIST—WHALING RESEARCH

Applications are invited for the position of a Marine Mammalogist to take charge of a program of study on the large whales of the Northwest Atlantic. The Scientist's headquarters will be in the new laboratory of the Arctic Biological Station in the Montreal area.

Qualifications: A master's or Ph.D. degree in biology from a university of recognized standing. Research ability including field research, as demonstrated by experience and publications. A basic knowledge of statistics and mathematical principles employed in the study of population dynamics. Good health and ability to work at sea when necessary.

Classification and Salary: The successful applicant will be classified as Scientist 3 (\$9100 to \$12,000) or Scientist 2 (\$7000 to \$9100) dependent upon qualifications and experience.

Privileges: The Public Service Superannuation Act (including Supplementary Death Benefits), Civil Service Leave Regulations, Group Surgical-Medical Plan, and other benefits of public service are available to employees of the Fisheries Research Board of Canada.

Applications: Refer replies to Competition AR-12. Submit complete résumé, three references (at least two from scientists or professors), and transcript of academic record. Further details on request. Address replies to *Director*,

Fisheries Research Board of Canada
Arctic Biological Station
505 Pine Avenue West
Montreal 18, Quebec, Canada

POSITIONS OPEN

BACTERIOLOGIST. SENIOR INVESTIGATOR. To head microbiology research unit in progressive pharmaceutical company. Ph.D. degree required with 3-5 years experience. Outstanding benefits including profit sharing. Send résumé in confidence. **W. A. Padgett, Director, Scientific Affairs, ALCON LABORATORIES, INC., P. O. Box 1959, Fort Worth 1, Texas.** An equal opportunity employer.

BIOLOGICAL CONTROL. Two animal ecologists and an invertebrate pathologist for academic research positions in the following areas of work: mosquito diseases, and biological control of weeds and field crop pests. Programs will be balanced between basic and applied studies and emphasis will be on population dynamics and ecology. Salary range \$9,500-\$10,000. Application forms from: **Dr. D. A. Chant, Chairman, Department of Biological Control, University of California, Riverside, California**

Attractive opening as a **Director of Department** in a large blood center. Major responsibility for operating Serum Program with ample opportunity for research. Immunologist with M.S. or Ph.D. degree or equivalent experience preferred. Knowledge of human blood groups desirable but not essential. Applicants should submit curriculum vitae and state salary desired.

Milwaukee Blood Center, Inc.
763 North 18 Street
Milwaukee, Wisconsin 53233

PARASITOLOGIST

Opportunity to assume responsibility for research and evaluation of new antiparasitic agents for veterinary application. Candidates should possess at least an M.S. degree with major training and interest in helminthology. Position offers independence and good future in expanding research program. Send detailed résumé to **Box 546, SCIENCE.**

Applications are invited from persons possessing suitable academic degrees with experience in **Pathology** and/or **Toxicology** for responsible position with growing European contract research firm located in Cologne, Germany. Knowledge of German required. Candidates should send complete résumé to **Hazleton Laboratories, 5 Köln-Bayenthal, Tacitusstrasse 1b, Germany.**

RESEARCH PARASITOLOGIST

Master of Science with major training and interest in helminthology to search and evaluate new antiparasitic substances for veterinary application. A fine opportunity to work for a progressive, well established midwestern company having excellent research facilities.

Send résumé to **Personnel Manager, Dr. Salisbury's Laboratories, Charles City, Iowa, 50616.**

Traineeships in Pharmacology. Program of course work and research leading to the Ph.D. degree is offered. Active areas of research include circulatory, neuromuscular, CNS and muscle pharmacology. Animal stipend (US citizens): \$2400.00 to start, plus full tuition and allowances for dependents. For further information write to: **Chairman, Department of Pharmacology, Albany Medical College, Albany, New York, 12208.**

POSITIONS OPEN

BIOCHEMIST

Ph.D. with 1 to 5 years' experience in tracer analysis. Interdisciplinary work in expanding research department. Direct résumé, in confidence, to: **Dr. William White, Nuclear-Chicago Corporation, 333 East Howard Avenue, Des Plaines, Illinois 60018.** Equal Opportunity Employer.

CLINICAL PATHOLOGIST

For 450-bed general hospital in Medical Center associated with university medical school. Opportunity to participate in teaching, service, and research. Contact

Box 547, SCIENCE

PHYSIOLOGIST (BIOCHEMIST)

Applications are invited for the position of assistant professor or associate professor in the Department of Physiology, University of Ottawa, Ottawa, Canada. Teaching of physiology. Independent research. Salary of assistant professor from \$8000 and of associate professor from \$10,000, according to background and experience. Address applications and inquiries to Professor M. Beznak. 12/4, 11, 18

RESEARCH MICROBIOLOGIST

An opening exists for a recent Ph.D. Microbiologist in our Bacterial Chemotherapy group. Work involves the study of infectious diseases in domestic animals applying experimental techniques, Chemotherapy and the knowledge of host-parasite relationships. Experienced candidates are invited to apply also. Please forward inquiries to: **Employment, American Cyanamid Company, Box 400, Princeton, New Jersey.**

"An Equal Opportunity Employer"

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	\$65 per inch
4 times in 1 year	60 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

Authors

Your book can be published, promoted, distributed by a reliable company on a subsidized basis. Fiction, non-fiction, poetry, scholarly, religious and even controversial manuscripts welcomed. Free Editorial Report. For Free Booklet write Vantage Press, Dept. SC, 120 W. 31 St., New York 1, New York.

SUPPLIES AND EQUIPMENT

SPRAGUE-DAWLEY, INC.
Pioneers in the development of the
STANDARD LABORATORY RAT.
P.O. Box 4220
Madison, Wisconsin
CE 3-5318

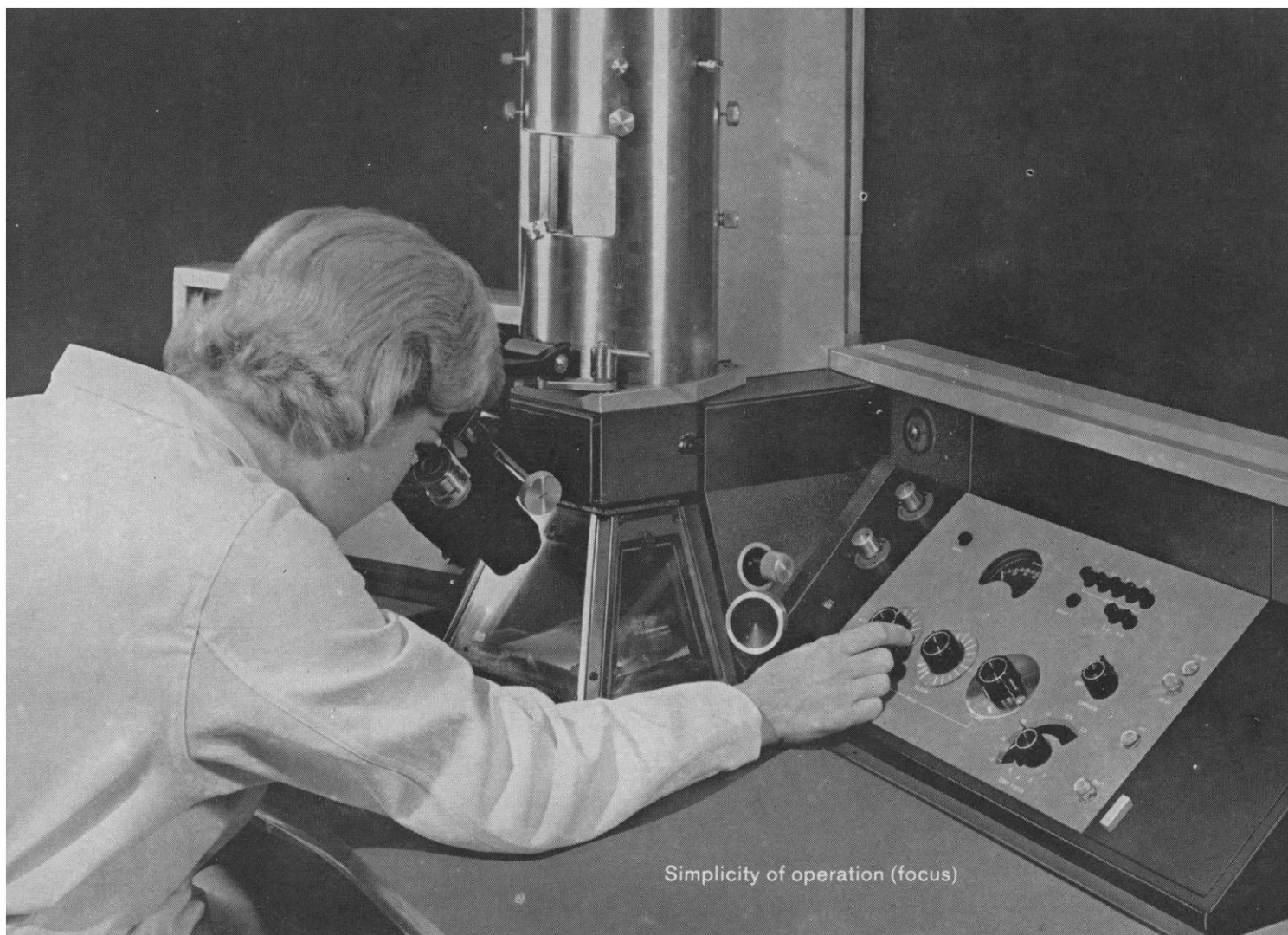
BACTERIOLOGISTS

We are currently seeking several Ph.D.'s who can accept the challenge of combining technical knowledge with managerial ability. Individuals selected will assume highly responsible positions in either Control Development or Production. These positions require a Ph.D. in a biological science and 3 to 5 years of Tissue Culture experience obtained in a commercial laboratory or research institute. Course work or experience in virology also helpful. In addition to excellent growth opportunity, we offer attractive salaries and an exceptionally liberal benefits program including stock purchase and educational assistance. To explore the areas of your interest in confidence, please send résumé to:

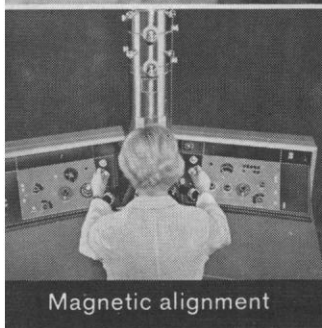
MR. GORDON L. GERHARD—Employment Supervisor

MERCK SHARP & DOHME
DIVISION OF MERCK & CO., INC.

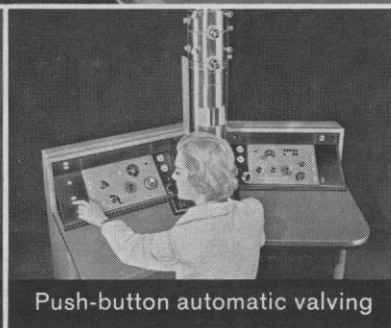
An Equal Opportunity Employer **WEST POINT, PA.** (A Suburb of Philadelphia)



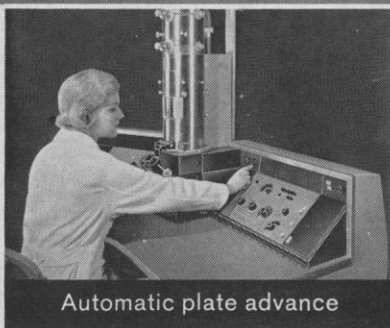
Simplicity of operation (focus)



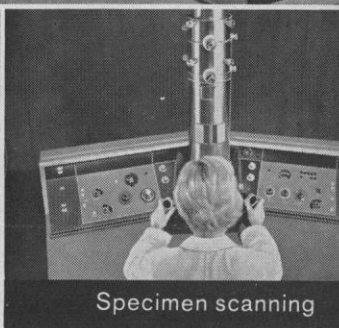
Magnetic alignment



Push-button automatic valving



Automatic plate advance



Specimen scanning

These time-saving features make the **RCA ELECTRON MICROSCOPE** today's most productive instrument

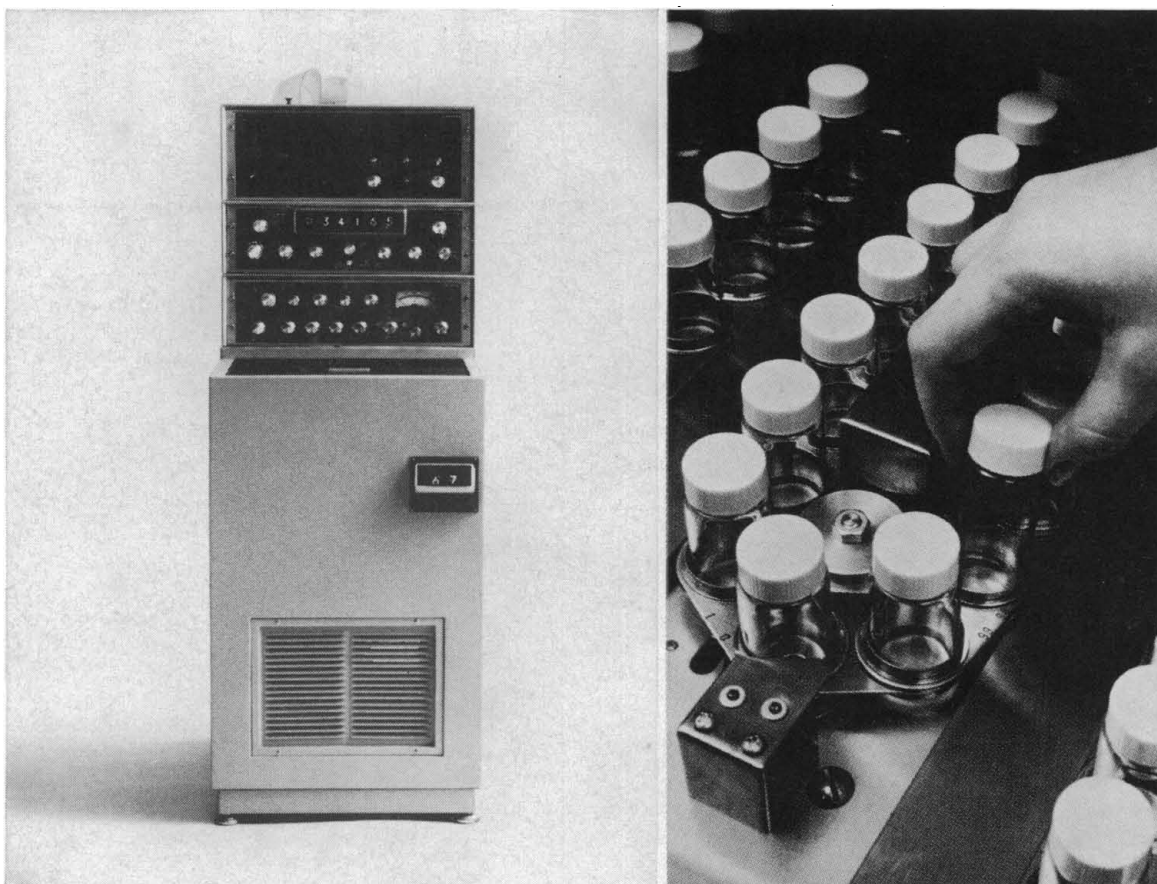
Because RCA's design philosophy considers the scientist and the instrument as a system, the EMU-3G is today's most productive electron microscope. A counter-balanced inertial drive mechanism assures rapid scanning of specimens; continuous as well as step focusing in known increments are provided. Exposure meter plus automatic and manual plate transport of the 5-frame plates produce more micrographs in less time. And automatic valving means rapid pump-down for fast starting, more production.

The EMU-3G combines flexibility with high resolving power. Magnetic alignment is panel controlled and 10 angstrom resolution or better is guaranteed. A new universal specimen chamber (optional equipment), including hot and cold stages, provides ten times more space for specimen manipulation than is offered in conventional chambers.

For complete information, write to RCA, SCIENTIFIC INSTRUMENTS, Dept. RB-362, Building 15-5, Camden, N.J. In Canada: RCA Victor Company, Limited, Montreal.



THE MOST TRUSTED NAME IN ELECTRONICS



NOW COUNT 100 LIQUID SCINTILLATION SAMPLES AUTOMATICALLY AT ROOM TEMPERATURE WITH HIGH EFFICIENCY

Many users of liquid scintillation spectrometers are finding that room temperature counting offers certain advantages over refrigerated operation. One of the most significant is that the solubility

of the solutions encountered in normal sample preparation techniques is much better at room temperature. This means that more sample may be placed in the counting vial with less chance of quenching. The results are shorter counting times and better statistics.

Nuclear-Chicago ambient temperature liquid scintillation systems routinely deliver differential counting efficiencies of 37% for H^3 and 78% for C^{14} with backgrounds of 40 cpm and 32 cpm respectively—a very favorable comparison with refrigerated units. Now we have combined this proved performance with the convenience of large sample capacity to offer the user maximum value at lowest possible cost. Two automatic systems with 100 sample capacity are available:

Model 6801. Three channel sys-

tem with dual scaler and data lister for automatic printout of sample number, time, and counts.

Model 6804. Three channel system with dual scaler and data lister/calculator for automatic printout of cpm and scaler ratios in addition to sample number, time, and counts.

Both of these new systems also feature the same electronic and mechanical refinements that have contributed to the excellent reliability of all other Nuclear-Chicago liquid scintillation spectrometers. Please consult your Nuclear-Chicago sales engineer or write us for complete details and prices on Models 6801 and 6804.

NUC:B-4-215



NUCLEAR-CHICAGO

A DIVISION OF NUCLEAR-CHICAGO CORPORATION

349 Howard, Des Plaines, Illinois 60018