

G. D. **SEARLE** & CO.

Fermco Division of G. D. Searle & Co., a growth leader in the medical/scientific industry with a recognized reputation for in-depth clinical research, is seeking two individuals for key positions in the continuing expansion of our research. These positions report directly to the Director Diagnostic Research and are located at corporate headquarters in Skokie, Illinois, an attractive suburb of Chicago. These positions require a Ph.D.:

Biochemist Microbiologist

The selected candidates will be primarily engaged in the development of new and the improvement of existing diagnostic materials and methods used in clinical laboratories. Although an exposure to the clinical laboratory is highly desirable, it is not an absolute prerequisite.

We provide a highly professional and modern environment. In addition to an excellent salary, we offer an outstanding fringe benefit program that includes profit sharing. For further dialogue, please send detailed resume in confidence to:

Mr. Kenneth Kroll
P.O. Box 5110
Chicago, Illinois 60680

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SENIOR SCIENTIST

ETHICAL PHARMACEUTICAL PRODUCT RESEARCH

You know us well. We're a Fortune 500 company whose products—and reputation for high standards—are known in every household. Now we are expanding into ethical pharmaceuticals. And we offer a major position in basic and applied dermatological research, with leadership responsibilities for original projects.

This position is located in the metropolitan New York area near a university town providing excellent living, recreational and educational facilities. Requirements include a PhD plus 2-5 years experience in ethical pharmaceutical products. Send résumé and salary requirements in strict confidence. Our employees know of this ad.

BOX 74, SCIENCE

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Personnel Placement

RATE CHANGE Effective 1 January 1971

POSITION WANTED: 40¢ per word, minimum charge \$10. Use of Box Number counts as 10 additional words. Payment in advance is required. These rates apply to individuals only. Personnel agencies and companies take display rate for all advertising.

POSITIONS OPEN: \$110 per inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Ads over 1 inch will be billed to the nearest half inch. Payment in advance is required except where satisfactory credit has been established.

COPY for ads must reach SCIENCE 4 weeks before issue date (Friday of every week). Send copy for Personnel Placement advertising to:

SCIENCE, Room 211
1515 Massachusetts Ave., NW
Washington, D.C. 20005

Replies to blind ads should be addressed as follows:

Box (give number)
SCIENCE
1515 Massachusetts Ave., NW
Washington, D.C. 20005

POSITIONS WANTED

Biochemist-Enzymologist. Ph.D., postdoctoral, 6 years of teaching, research, grant, and publication experience. Excellent teacher with broad scientific interests seeks small liberal arts university or college. Available June 1971. Box 56, SCIENCE. X

12 FEBRUARY 1971

POSITIONS WANTED

Cardiovascular Pharmacologist. Ph.D., 10 years of postdoctoral research, administrative, and teaching experience. Publications, grants, and awards. Seeks industrial or academic position. Box 57, SCIENCE. X

Crystallographer-Spectroscopist. Dynamic young researcher desires industrial position in Southwest or West Coast. Familiar with most aspects of x-ray diffraction, emission, microprobe, and ESCA techniques, with 15 publications in these areas. Excellent programmer and a leader in automation of analytical instruments. Box 58, SCIENCE. X

Developmental Biologist. Ph.D., teaching interests and experience in anatomy, microanatomy, and cell biology. Currently developing undergraduate course which integrates the areas of development and heredity. Box 2, SCIENCE. X

Entomologist-Physiologist. Ph.D. 1969. Postdoctoral experience. Broad background in pesticide metabolism, insect nutrition, biochemistry and toxicological work. Desires a research/teaching position. Box 59, SCIENCE. X

Invertebrate Physiologist. Ph.D. 1971. Desires college teaching position: general physiology, invertebrate zoology, introductory biology, ecology. Interested in rigorous but relevant education. Broad humanistic interests. Two years' experience at a progressive college. Available fall 1971. Box 5, SCIENCE. X

M.D., Ph.D. (Biochemistry). Experience in enzymology and intermediary carbohydrate metabolism. Desires teaching or research. Box 60, SCIENCE. X

Microbiologist-Biochemist. Ph.D. Aggressive, adaptable, versatile investigator with 8 years of diversified industrial experience. Experience in large-scale enzyme production, isolation, purification, and spectrophotometric, chromatographic, electrophoretic, immunological techniques. Also hydrocarbon fermentation. Experience in continuous fermentation. Major interest fermentation and microbial physiology, however, other areas considered. Box 61, SCIENCE. X

POSITIONS WANTED

Microbiologist. Ph.D., 28, postdoctoral experience and publications; seeks opportunity to work in invertebrate pathology or pathogenesis of microbial toxins to vertebrates, for example, endotoxic shock, cholera toxins. Box 62, SCIENCE. X

Molecular Biologist. Ph.D., 1968, postdoctoral research and teaching experience, publications. Seeks research/teaching/administrative position. Research in nucleic acid metabolism in microbial and animal systems. Box 63, SCIENCE. 2/19

Mycologist. Ph.D. 1955. College teaching plus opportunity to continue research in home pollution. Box 64, SCIENCE. X

Nutritionist. African. Four years postdoctoral (zoology, cell physiology). Publications. English, French, Swedish. Immediate teaching/research position. Box 65, SCIENCE. X

Organic Chemist. Ph.D. 1964. Research on dyes, pigments, polymer intermediates, heterocycles, and organometallics. Physical chemistry minor. Publications and patents. Box 66, SCIENCE. X

Pharmacologist D.V.M., Ph.D. Background: comparative pharmacology physiology, administration, private practice. Teaching: medical pharmacology (current), veterinary pharmacology, undergraduate biology. Research: endocrinology, metabolism. Box 40, SCIENCE. X

Physiologist, male, 42, married, Ph.D., specializing in human, work experience physiology, teaching and research experience, desires teaching and research position. Broad background in graduate advisement. Research directorship experience. Available September 1971. Box 67, SCIENCE. X

Physiologist. Ph.D., 10 years' experience. Interested in environmental, exercise, respiratory areas, desires research, teaching (UG or G) position, any location. Box 68, SCIENCE. X

Radiation Biologist. Ph.D., 15 years' experience, macromolecular synthesis, mutation, survival. Seeks teaching/research. Box 69, SCIENCE. X

POSITIONS WANTED

Recent Ph.D., comparative histology and electron microscopy, assistant professor, teaching experience in histology and physiology, publications. Seeks position teaching histology, cytology, emphasizing teaching, some research. Canadian. Box 70, SCIENCE. X

Veterinary Pathologist, M.S., Ph.D.; 15 years of research and administration. Experience in infectious diseases, drug safety evaluations, histochemistry, comparative pathology, and research organization. Publications. Desires faculty or industry position with opportunity for research. Box 71, SCIENCE. X

Viral Oncologist and Virologist, Ph.D. A recognized leader in the field of viral oncology; at present department head in an academically affiliated research institute, wishes university position with or without administrative duties. Relocation will include excellent, long-range grant support, and well-equipped laboratory. Box 72, SCIENCE. X

POSITIONS OPEN

DIRECTOR BIOLOGICAL RESEARCH LABORATORY

Biologically oriented Research Laboratory is seeking aggressive, development-minded professional to assume responsibilities as Chief Laboratory Executive. The successful candidate will possess a substantial scientific background, preferably in the biological sciences, plus experience which includes direction of goal-oriented basic and/or applied research programs, institutional management, and external financing.

Effective leadership in scientific institutional development, initiative, a visionary outlook, and a willingness to undertake fund-raising activities essential for Laboratory growth are of critical importance.

Midwest location in college community adjacent to medium-sized metropolitan area. Present Laboratory annual budget of approximately \$1.5 million; 100 staff members. Compensation commensurate with background and qualifications in the \$35,000 to \$42,000 range; attractive supplemental benefits.

Further information provided upon receipt of curriculum vitae and salary requirements.

BOX 73, SCIENCE

An Equal Opportunity Employer

MCGILL UNIVERSITY

The Department of Biology expects to appoint for 1 September 1971 at least one Assistant Professor and an Associate or Full Professor with interests in the area of **Ecology, Molecular Biology of Development or Neurophysiology and Behaviour**. Applicants should include curriculum vitae and the names of two or three referees. Write to Miss Elizabeth Mader, Administrative Assistant of the Biology Department, McGill University, Montreal 110, Quebec, Canada.

Ph.D.

IMMUNOLOGIST

HAZLETON LABORATORIES, specializing in the life and environmental sciences, has an immediate opening for an Immunologist with particular interest in viral oncology and a minimum of three years' experience in virus antigens and antibodies to participate in research programs associated with mammalian infectious diseases and spontaneous and virus-induced cancer. Duties include design, coordination, and assisting in research programs associated with medical microbiology, virology, veterinary medicine, and other specialties. Opportunity to pursue basic, as well as applied research, is excellent. Outstanding employee benefits program. Please send resume to Kenneth C. Woolbert, HAZLETON LABORATORIES, INC., a Subsidiary of TRW Inc., P. O. Box 30, Falls Church, Virginia 22046.

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POSITIONS OPEN

MICROBIOLOGIST

Applications are invited, from Microbiologists interested in applied research related to sterilization technology, microbiological contamination control, product development and participation in Company-sponsored educational programs, for the position of Research Associate in the Research Department.

Requirements: Doctorate in Microbiology/Bacteriology/Public Health and minor in Chemistry. Two to ten years experience in microbiological research association with sterilization technology and microbiological contamination control. Hospital experience helpful.

The American Sterilizer Company (AMSCO) is a diversified progressive 76 year old firm engaged in the manufacture of sterilizers, surgical tables and lights, and water processes equipment, located in Erie, Pennsylvania.

AMSCO offers excellent starting salaries, commensurate with experience, full benefit programs, paid relocation, and temporary living expenses, and an opportunity for self-development and career advancement.

Please write, outlining background and salary history, to **G. Scheid, Personnel Department, American Sterilizer Company, 2424 West 23rd Street, Erie, Pennsylvania 16512.**

All replies will be held in complete confidence. An Equal Opportunity Employer

PHYSIOLOGIST- BIOCHEMIST

(Ph.D.)

Mead Johnson has a challenging opportunity in nutritional research for a Ph.D. in biochemistry, nutritional biochemistry, or physiology. No experience is required. Involves laboratory research, dealing with carbohydrate and fat sources in relation to clinical nutrition.

Excellent salary and benefits and moving allowances. Please send résumé in confidence to:

Director of Employment

MeadJohnson
& Company

Evansville, Indiana 47721

An Equal Opportunity Employer

TOXICOLOGIST

Requirements: Ph.D. in pharmacology or toxicology or D.V.M. with a minimum of 2 years' experience in toxicology preferably including experience in teratology.

Duties: Plan, organize and direct studies to determine drug safety.

New, well-equipped laboratory located in year-round resort area.

Submit résumé including salary requirements to:

Director of Personnel
Ayerst Laboratories Incorporated
Rouses Point, New York 12979

An Equal Opportunity Employer

University of Toronto. Applications are invited for the position of **ASSISTANT PROFESSOR OF ZOOLOGY** in the field of Developmental Zoology, tenable at the Erindale College Campus from 1 July 1971.

Salary by negotiation (minimum \$11,000).

Applications with curriculum vitae should be sent to the **Chairman of the Selection Committee, Professor B. I. Roots, Department of Zoology, University of Toronto, Toronto 5, Ontario, Canada.** Candidates should arrange for three letters of reference to be sent to the same address. Closing date 15 March 1971.

POSITIONS OPEN

ELECTRON MICROSCOPE TECHNICIAN

Fully equipped laboratory with Hitachi HU-11E electron microscope and related equipment. Individuals applying should be well trained in all basic EM techniques including routine maintenance of the electron microscope. Research will involve a variety of biological tissues. The applicant will also be asked to assist in the training of some students. This is a faculty position with all fringe benefits supplied, including life insurance, dental plan, disability insurance, choice of pension plans. Tenure is normally granted after 5 years of continuous service. Salary: \$9200. Annual increments are provided. Contact **Dr. C. Robert Jones, Chairman, Department of Biological Sciences, Herbert H. Lehman College of the City University of New York, Bronx, New York 10468.**

GRADUATE STUDY

PREDOCTORAL ASSISTANTSHIPS IN PHYSIOLOGY

Excellent opportunities for graduate students (U.S. citizens) leading to the Ph.D. Stipends and free tuition. Research training: all major organ systems, metabolism, cell physiology, bioengineering. Write for details to

Head, Department of Physiology
University of Illinois at the Medical Center
P.O. Box 6998
Chicago, Illinois 60680

CONGRESS TRAVEL

The **SECOND INTERNATIONAL CONGRESS FOR VIROLOGY** is being held in Budapest, 27 June to 3 July 1971, under the sponsorship of the Section on Virology, International Association of Microbiological Societies. Funds are available to assist a limited number of U.S. virologists in attending the Congress. In the selection, some preference will be given to younger scientists. Application forms for support to attend the Congress may be obtained by sending a self-addressed return envelope to:

Dr. Joseph L. Melnick, Secretary-General
International Congress for Virology
Department of Virology and Epidemiology
Baylor College of Medicine
Houston, Texas 77025

In order to be considered, applications must be returned no later than 7 March 1971.

A second avenue for travel support is available to grantees and contractors of the NIAID and the NCI in the field of virology, who may apply to their Project Officer or Program Director for permission to expend funds for this purpose, provided that such attendance is essential to the work of their grant or contract.

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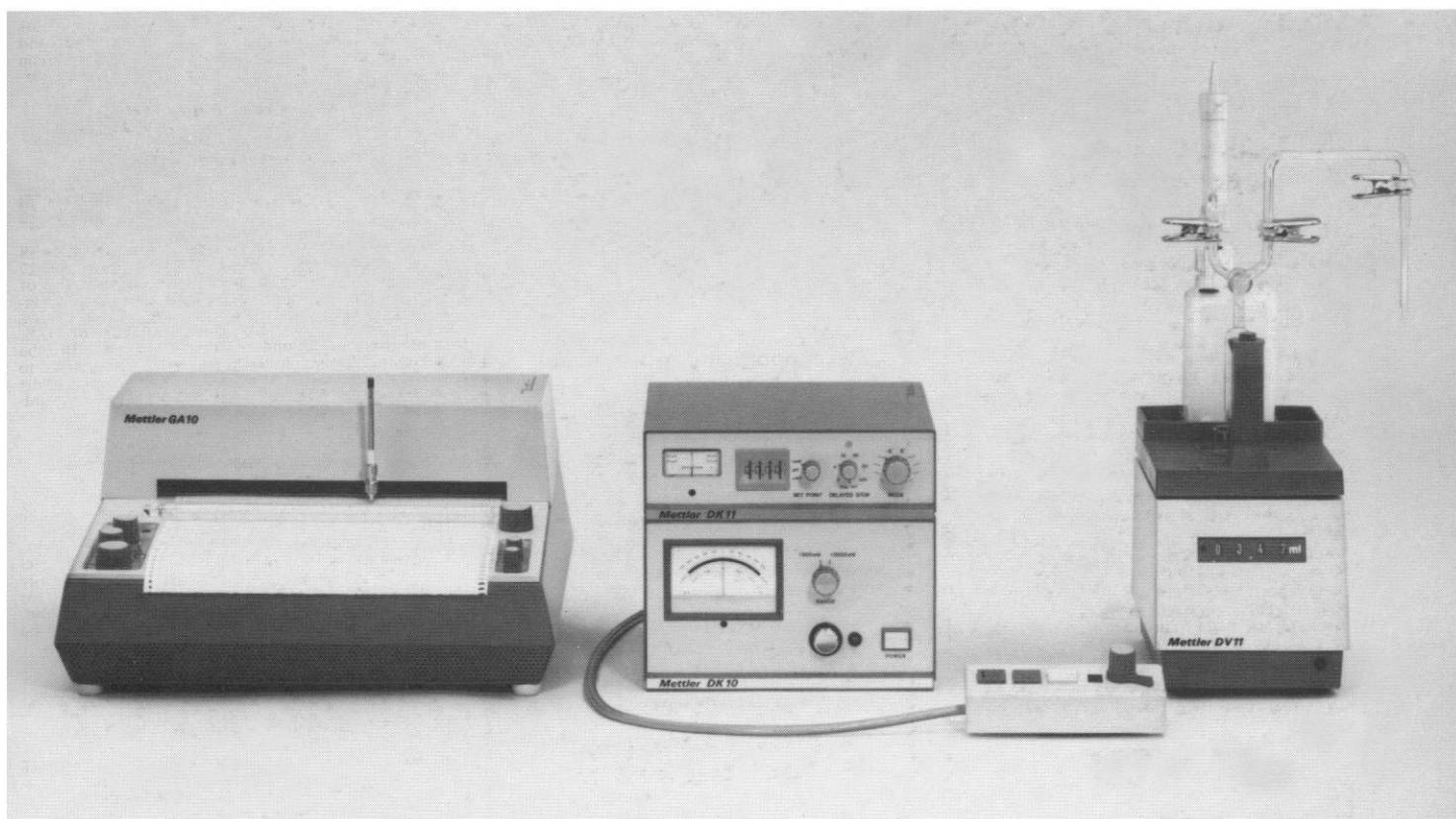
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**Your Fair Share Gift
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27 million families benefit by child care, family service, youth guidance, health programs, disaster relief and services for the Armed Forces from 31,000 United Way agencies.

New from Mettler: **More automatic titration capability than any other single system**



Mettler's Automatic Titrator, a six-module system, is more versatile than any other available today. For instance, you get fixed endpoint titration, titration curve or first derivative recording, pH stat recording, manual fixed-increment titration, manual titration . . . all in one system.

It's push-button easy to operate. Just start it up, press a button, and you're under way with continuous, automatic control. Programming controls are simple.

Do you use more than one titrant?

Rapidly interchangeable burettes snap-in, snap-out, of the drive to speed titrant changes.

Modules are linked electronically by cables. So you can separate electronic controls from wet chemistry areas, hoods, and glove boxes. For remote control, remote recording, or both.

This new system is designed for all potentiometric needs with both aqueous and nonaqueous solutions. It also provides for direct entry into data processing systems. If you don't need all six modules

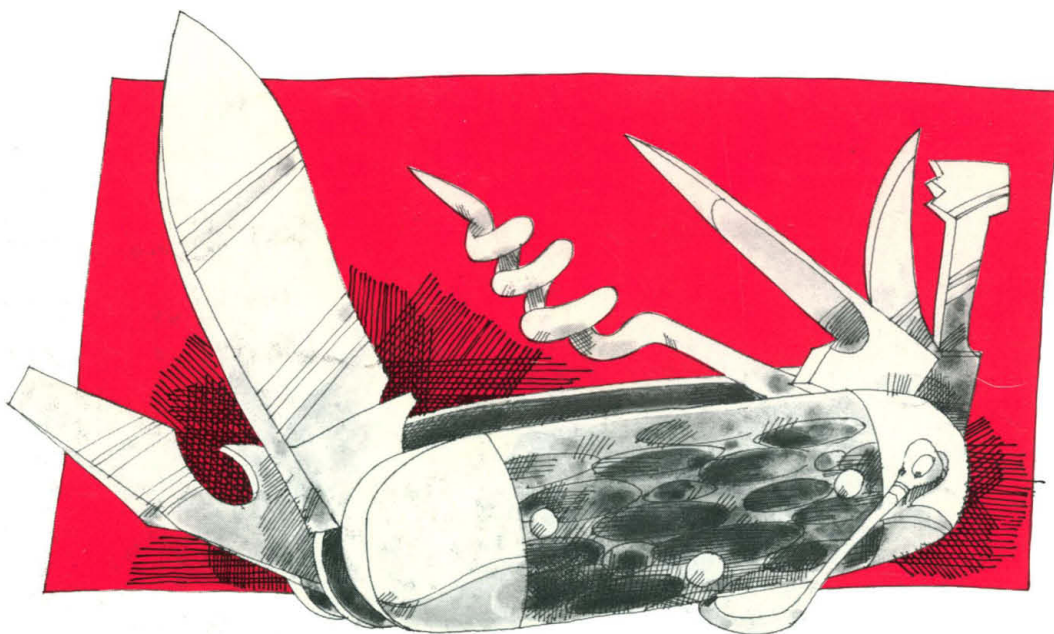
now, get those that meet your current requirements and add the rest later.

There are more impressive features about this new Mettler system. And the best way to find out about them is to see for yourself with a demonstration. For starters, we have a brochure that gives you all the details on the Mettler Automatic Titrator. Ask for it.

We are Mettler Instrument Corporation, Box 100, Princeton, New Jersey 08540, 609/448-3000.

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Mettler



Be prepared.

YOU TELL US.
OUR MODULAR, UPGRADABLE LIQUID SCINTILLATION SYSTEMS
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First, think about counting channels. Pick a number. Two, upgradable to three, in the Mark II. One or two or three channels in the Unilux IIA.

Then, with our systems there is no modification required to use the readout of your choice. Such as a basic automatic lister. Or an optional automatic electric typewriter. Or a Teletypewriter®. Or a card-punch solenoid deck for direct interface to an off-line computer. Or an on-line or off-line desk-top computer-calculator.

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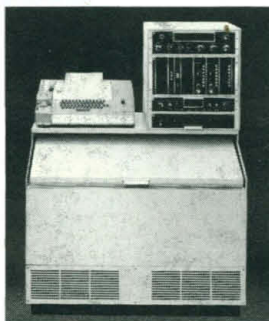
the basic Mark II can be upgraded to accommodate as many as 12 different programs—for you or your fellow Mark II users. Each program is optimized for a sample batch with discrete quench, isotope, and counting conditions. Each program is selected automatically, triggered by a special program cap on the first vial in each batch.

Suppose further that you want a system that can handle all present methods of standardization—now or later. Start with the basic Mark II and get external standardization. Add (at any time) a standardization module and expand the system to five different standardization methods.

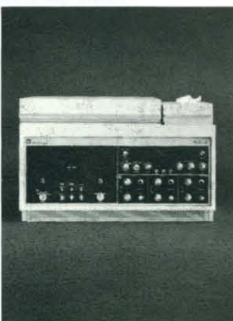
A pervasive concept: As times change, your requirements change. Only a modular system can keep up with those requirements. Investigate the growth potential of the Mark II and Unilux IIA. Call your Nuclear-Chicago sales engineer. Or write to us.

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Mark II



Unilux IIA



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NUCLEAR-CHICAGO

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