New Environmental Rooms & Incubators

For cultures, biologicals, animal rearing, food sampling, etc., Tenney space age technology now produces a new line of environmental rooms and incubators. These new rooms and incubators give precise temperature control from -40°C to +60°C in one of four ranges. They range in size from 2'x3'x5' to 12'x18'x7'. Write today for complete information.

Ours give quantitative results

The quantitative peaks we refer to are those recorded by our ultraviolet flow stream monitors. ISCO's monochromatic Model UA-2 and Model 222 are the only low cost UV monitors which conform rigorously to Beer's absorption law. Other analyzers are sensitive to adjacent mercury vapor spectral lines but with ISCO analyzers precise quantitative results will be obtained if the flow stream absorbs any light at 254 μm, regardless of the wavelength of maximum absorption.

The Model UA-2 has a built-in recorder which monitors true linear absorbance (not percent transmittance) at 254 μm in two ranges; 0 to 0.5 and 0 to 2.5. An interchangeable dual-beam optical unit operates at both 254 and 280 μm. The Model UA-2 will also actuate an associated fraction collector at the beginning and end of each UV-absorbance peak, depositing each UV-absorbing fraction in a separate collecting tube.

Prices for a complete ISCO absorbance monitoring, narrow bandwidth analyzer start at $650.00.

For complete information and prices send for brochure UA27G.
NEW BOOKS
(Continued from page 163)

S&S MICRO-FILTER APPARATUS
for vacuum filtration
of small volumes and
collection of cells, etc.
on small surface areas

This new apparatus is also recommended
for the new, faster and more quantitative
method for detection of RNA-DNA com-
plexes using S&S Membrane Filter Type
B-6 (formerly designated as Type A-Coarse).

The entire unit is precision made, and
designed for convenience and speed in
use. A complete seal is quickly obtained by
a simple turn of the threaded glass
funnel and a special Halon plastic base
connector. The filter unit itself is made of
Teflon, with a built-in fritted glass disc.

Distinct Advantages of the S&S Design
The new S&S Micro-Filter Apparatus
is easier to disassemble, change filters and
reassemble than other designs. No hooks,
springs or clamps are used. Funnel and
stem are replaceable. The entire unit is
sturdy, durable, and of neat, modern design.

We'd like to send you an illustrated data sheet on the
new S&S Micro-Filter Apparatus, complete with all specifications.

Please mail the coupon below.

FREE DATA SHEET
MAIL COUPON TODAY!

Carl Schleicher & Schuell Co.
Keenan, New Hampshire - Dept. 5-17

Please send your new Micro-Filter
Apparatus data sheet.

Name ____________________________

Company ________________________

Address __________________________

City ____________________________ State __________ Zip Code ___

226 SCIENCE, VOL. 153
Bring on your complex, small, noisy, difficult signals.

We'll give you traces that show them for what they really are.

- Determine exact phase of servo error with respect to reference signal at 5 kHz while maximizing rejection of quadrature component.
- Precisely record changes as small as 0.001% in DC-100 Hz signals by using calibrated zero suppression.
- See critical variations as small as 10 nV rms from strain gages, other AC-excited transducers.
- Resolve 50 Hz - 100 kHz amplitude information to 0.02% of full scale signals from 1 volt to 500 volts.

When you need the greatest possible degree of signal-conditioning precision and operational control, Sanborn 7700 Series oscillographs with solid-state "8800" plug-ins will give you chart recordings of maximum resolution and intelligibility.

Seven highly versatile signal conditioners offer unique performance capabilities: three DC types with a 1 uV - 250 V dynamic range, floating differential input and calibrated zero suppression ... an AC-DC Converter with calibrated zero suppression and scale expansion permitting resolution better than 0.1%, 10 ms response and isolated, 1 meg. input ... a phase-sensitive demodulator with calibrated reference phase shift, 90° calibrated dial with four quadrant selections, and a frequency range of 60 Hz to 5 kHz ... a carrier preamplifier with 2400 Hz internal transducer excitation supply, calibrated zero suppression, cal. factor control and conversion gain of 10,000 ... and a general-purpose DC preamp particularly useful for 100 mm wide chart recording.

Use any of these "8800" plug-ins in the 7700 thermal writing oscillograph matched to your packaging and channel requirements — 4, 6- and 8-channel 7704A, 7706A and 7708A console types ... 2-channel 7702A system in rack-mount or mobile cart versions ... single-channel 7701A wide chart (100 mm) portable system. Every one of these thermal writers will give you permanent, rectangular-coordinates recordings whose resolution and accuracy make all your measurements more useful.

For a new brochure describing the advantages and wide choice of Sanborn thermal writing oscillographs, write Hewlett-Packard Company, Sanborn Division, 175 Wyman Street, Waltham, Mass. 02154.

HEWLETT PACKARD
SANBORN DIVISION

8 JULY 1966
BUILDING SPACE INSTRUMENTS?

AS&E offers you a complete service in transforming your breadboards and ideas for scientific instrumentation into flight qualified hardware. We will design, construct, test and integrate your instrument using our facilities under the direction of a senior scientist knowledgeable in your scientific objectives. Thus, you are assured of finished hardware that will perform the experiment you want and meet the most stringent government quality requirements. We have extensive experience in designing and building instruments for sounding rockets and satellites in the fields of particle and photon physics, geophysics and weapons effects. For further information write or call:

AMERICAN SCIENCE AND ENGINEERING, INC.
11 Carleton Street, Cambridge, Massachusetts 02142
Telephone (617) 868-1600

MISTIAIRE LABORATORIES
152 Glen Avenue
Millburn, N.J. 07041

New concepts in animal cage systems become a reality at Harford.

- Primate cages
- Poultry cages
- Dog cages
- Rodent cages
- Cat cages
- Rabbit cages

Custom-Engineered animal cage systems


Coors offers a complete range of casserole dishes, cups, and plates for laboratory evaporation. These pieces have been created to match the exacting requirements of working chemists who require especially high quality, uniformity and reliability. Standard items include flat bottomed dishes, such as the 100 capsules, 128 casserole, 240 and 470 dishes. A wide variety of shallow, curved bottom dishes are also available. These include the 430 regular evaporation dishes, 170 capsules, 120, 180, 190 casserole, and the 440 and 560 dishes. For dry organic precipitates by evaporation and absorption, the 760 porous plate is offered. A complete selection of Coors laboratory evaporation equipment is immediately available through your laboratory dealer.

COORS U.S.A.

COORS PORCELAIN COMPANY, GOLDEN, COLORADO

8 JULY 1966

Laboratory Evaporation


Synthetic Analgesics. pt. 2A. Morphinals, J. Hellerbach, O. Schneider, H. Bes-

The Summatic Integrator is a new tool to automatically compute and present on printed tape, in digital form, peak areas which are a function of mass, concentration or structure.

The Summatic Integrator incorporates small peak accuracy, wide dynamic range and low cost. These three desirable requirements have not been available in competitively priced integrators until now. Nester/Faust's Summatic assures you of the following:

I Automatic count of each peak at a rate which gives approximately the same high statistical reliability—regardless of peak height up to a maximum signal of one volt.

II Proven and reliable voltage to frequency conversion technique to convert the input signal to a number of pulses that is proportional to the area. This technique in conjunction with a novel Auto-Ranging device gives good statistics on small peaks (±3% on 100μv peaks of 3 seconds duration) and a dynamic range of 0 to 1 volt DC automatically. Precision on larger peaks is about 0.7% for 20 mv peaks 10 seconds long.

III Low cost since the Summatic's Auto-Ranger allows the use of a narrow range 0 to 1 mv stabilized amplifier, a narrow range 0 to 100 cps voltage to frequency converter, and a last mechanical counter-printer that does not require provision for memory. The Auto-Ranging circuit attenuates the input signal by a factor of ten at 3 decades of signal amplitude (1, 10 and 100 mv) and directs the output from the converter to the next higher counting wheel in the counter-printer.

A recorder output with attenuator is supplied. It operates through the Auto-Ranger so that the pen of a 1 mv recorder will remain on scale with signals into the Summatic up to 1 volt DC.

Electronic construction is all solid state for long life and reliability. The cost of the Summatic Integrator is under $200. Write for full technical literature. Nester/Faust Instruments Products Division, 2401 Ogletown Rd., Newark, Delaware.

*Patents pending.
This
$5,000
Mathatron digital computer
uses a new
computer language...
...algebra

Tap in the problem, digit by digit, sign by sign, with decimal points and parentheses and power of 10 exponents, just as if you were writing it out. The Mathatron prints the problem on paper tape, then prints out the answer. As simple as that.

Four or eight independent storage registers, 24 or 48 step ferrite core memory, 100 column number capacity, 8 to 9 significant digit accuracy, automatic decimal placement, electronic speeds, optional pre-wired programs, all solid state logic and circuitry. It won't solve everything, of course.

If you already have a large data processor, consider this: 80% of the Mathatron owners have big computers, too.

But they can't stand the time lag, or the hourly cost, or the gaff. The Mathatron is twice the size of a typewriter and is accessible, immediately, to the whole department.

Write for further information.

MATHATRONICS, INC.

257 Crescent St., Waltham, Mass. 02154 (617) 894-0835


INDEX TO ADVERTISERS
8 July 1966

Academic Press ............................................. 108
Ace Glass, Inc. ............................................. 116
American Science and Engineering, Inc. ............... 228
B&A Laboratory Chemicals, Allied Chemical Corp. ..... 111
Blackstone Ultrasonics, Inc. ........................... 216
BRS Electronics ............................................. 222
Cary Instruments, Applied Physics Corp. ............... 112
Chemical Rubber Co. ..................................... 219
Coors Porcelain Co. ....................................... 229
Galileo Corporation of America .......................... 225
Gifford Instrument Laboratories Inc. ...................... 109
Hacker, William J., & Co., Inc. ......................... 231
Hamilton Co. ................................................. 220
Harford Metal Products, Inc. ............................ 228
Hewlett-Packard ............................................. 110
High Voltage Engineering Corp. 106, 107 ..............
Instrumentation Specialties Co., Inc. ................. 225
International Equipment Co. ......................... 123
Klett Manufacturing Co., Inc. .......................... 232
Labindustries ............................................... 221
Leeds & Northrup ......................................... 124
Linde Div., Union Carbide Corp. ....................... 115
Manostat Corp. ............................................ 222
Mathatronics, Inc. ......................................... 230
Mistaire Laboratories ..................................... 228
Nalge Co., Inc. ............................................. 223
Nester/Faust Instruments, Products Div. ............... 229
Nikon Inc., Instrument Div. .............................. 117
Nuclear-Chicago Corp. ..................................... 236
Nuclear Data Inc. .......................................... 235
Nutritional Biochemicals Corp. ......................... 103
Optics Technology Inc. .................................. 114
Packard Instrument Co., Inc. ......................... 126
Pfeiffer Glass Inc. ....................................... 231
Photovolt Corp. ............................................ 220
Professional Tape Co., Inc. .............................. 224
Radiochemical Centre .................................... 216
Revco, Inc., Industrial Products Div. .................. 232
Sanborn Div., Hewlett-Packard Co. .................... 227
Sargent, E. H. & Co. ...................................... 102
Schleicher, Carl & Schuell Co. .......................... 226
Scientific Products ........................................ 224
Tenney Engineering, Inc. ................................ 225
Texas Instruments Inc. ................................... 118
Tracerlab .................................................... 122
Unitron Instrument Co. .................................. 113
Yellow Springs Instrument Co. ....................... 226

AT PFEIFFER, WE'RE
NARROW-MINDED
ABOUT YOUR
PIPETTES
So narrow-minded, we’ve just one interest—how to give you extra quality at lower cost in a complete line of pipettes. Highest accuracy. Large, easy-to-read numerals. Permanent, fused markings. Rigid inspection and production controls. Special handling, special packaging. Prompt delivery. Quality that comes only from the specialist—Pfeiffer. For our latest catalog and/or the name of your nearest Pfeiffer dealer, write Pfeiffer Glass Inc., 140 Bennington Drive, Rochester, N. Y. 14616.

PFEIFFER
Glass Inc.  T-520

A MAJOR BREAKTHROUGH IN ULTRA-MICROTOMY

INSTANT TOTAL ARREST OF THERMAL ADVANCE
at touch of button...
EXCLUSIVELY WITH THE REICHERT ULTRAMICROTOME "OM U2"

ADVANTAGES:
Instant total arrest of thermal advance eliminates time-consuming repositioning of knife and specimen and combines accuracy of thermal advance with advantages of precision mechanical feed. You merely "dial" for automatic continuous ultra-thin serial sections. Knife and specimen holders adjust to any position—glass and diamond knives accommodated.
The cutting speed is infinitely variable between 0.5 and 5 mm/sec., and the whole installation is entirely vibration-free.

Hacker
WILLIAM J. HACKER & CO., INC.
Box 646, W. Caldwell, N. J. 07007
Telephone 226-8450 (201)
NEW!
ULTRA LOW TEMPERATURE FACT FILE
-140° F

Featuring cabinets from 1 1/2 - 24 cu. ft. Pull-downs from ambient to -140°F (-96°C).

Reveo cabinets are used the world over for industrial, medical and scientific research projects. Send for this FREE line and fact folder today. Chances are there's a Reveo cabinet just right for your next job application!

Klett SUMMERSON Photoelectric Colorimeter

No. 800-3
Test Tube Model

KLETT COLONY MARKER and TALLY

This instrument takes the drudgery and error out of the counting of bacterial colonies.

Klett MANUFACTURING CO., INC.,
179 East 87th Street, New York, 28, N.Y.

PERSONNEL PLACEMENT

POSITIONS WANTED

(a) Animal Nutrition Ph.D.; biochemistry, physiology major, available for research or academic appointment. Box 140, SCIENCE.

(b) Comparative Biochemistry Ph.D. 1966; physiology minor; zoology M.A.; radioisotope training; seeks research opportunity. Write Woodward Medical Personnel Bureau, 185 North Wabash, Chicago 60601.

Bioclerist, Ph.D. Britain 1964, postdoctoral University of California seeks academic or research institute position in Canada, Australia, or New Zealand. Box 140, SCIENCE.

Business Administrator, medical college, business and government experience. Minimum $15,000. Box 141, SCIENCE.

Canadian Meteorologist, M.A. or M.Sc. Several years experience in public, marine, aviation, aero, forestry, and agricultural forecasting. Box 142, SCIENCE.

Clinical Chemistry, M.S. in biochemistry, 16 years of diversified clinical chemistry experience. Box 143, SCIENCE.

Microbiologist. Thirteen years experience in virology and tissue culture, immunology, cancer research, bacteriology. Desires immediate position in research or industry. Box 144, SCIENCE.

Organic (Medicinal) Chemist, Ph.D. Pharmacology training. Broad experience in CNS, cardiovascular, antitumor, antimalarial and antifungal agents. Desires independent research and initiating new program. Box 146, SCIENCE.

POSITIONS WANTED

Neuroanatomist Ph.D., neurophysiology minor, postdoctoral and medical school teaching experience, publications, grants, seeking academic or research position. Box 145, SCIENCE. 6/15

POSITIONS OPEN

Agronomy, Soil Science, Plant Physiology or Horticulture Scientist for independent research on plant nutrition and fertilizers including literature and green house studies for expanding major chemical firm in desirable mid-Atlantic location. Ph.D. degree with commercial agronomic research and field experience preferred. Start $12,000 to $15,000 year with excellent advancement potential. Placement fee paid. Send résumé to Woodward Medical Personnel Bureau, 185 North Wabash Avenue, Chicago, Illinois 60601.

INTERNATIONAL MINERALS AND CHEMICAL CORPORATION

BIOLGISTS

B.S., M.S. and Ph.D. research and field positions ranging from basic and applied laboratory research to insect pathogens to field positions requiring training and/or experience in agronomy, entomology, marketing and/or sales. Exceptional opportunities with unusual growth potential. Inquire Personnel Manager.

Bioferm Division
International Minerals and Chemical Corporation
P.O. Box 8, Waco, Calif. 93280
An equal opportunity employer

PHYSICISTS, MATHEMATICIANS, OPERATIONS RESEARCH ANALYSTS, CHEMISTS, STATISTICIANS, RESEARCH ENGINEERS, AND SYSTEMS ANALYSTS

see the results of their work in action at
The CENTER for NAVAL ANALYSES of The Franklin Institute

where they help the Navy coordinate sea, air, undersea, and amphibious forces in various phases of vital Naval operations.

CNA studies are used as part of the decision-making apparatus on such matters as force structure and systems requirements, disposition of forces, tactics, strategy, weapons evaluation and logistics.

Staff members formulate mathematical bases for new tactical and operational procedures... derive testing procedures... aid in formulating operational requirements... develop and test mathematical models.

CNA is a private scientific organization engaged in operations research and systems analysis for the U.S. Navy and Marine Corps.

CNA offers opportunities for professional growth and recognition and for performing stimulating work vital to national security.

For an interview, send letter and resume to:
James S. Hibbard
CENTER FOR NAVAL ANALYSES
1401 Wilson Blvd., Arlington, Va. 22209
An equal opportunity employer
BIOSTATISTICIAN

Rapid expansion of this nationally known chemical company has created a growth position within our Pharmaceuticals Division.

Applicants should have a master's degree or equivalent training plus experience in the biomedical field.

As a part of an active program of drug research emphasizing clinical investigation, you will conduct and evaluate a diverse range of experiments, analyze data, and prepare technical reports which demand clear and concise presentation of statistical data.

All replies will be held in confidence. We invite you to explore this opportunity by submitting a resume with your salary history and requirements to:

PERSONNEL DIRECTOR

GEIGY CHEMICAL CORPORATION

Saw Mill River Road, Ardsley, New York

An Equal Opportunity Employer

BIOCHEMIST

579-bed university affiliated hospital has challenging opportunity for a biochemist with M.S. degree to supervise biochemistry staff.

Experience in diagnostic biochemistry desirable. Individual and cooperative research projects available. Extensive automation equipment in use. Salary open. Box 147, SCIENCE

RESPIRATORY PHYSIOLOGIST

HAZLETON LABORATORIES, a leading independent company specializing in the Life Sciences, needs a Ph.D. with 2-5 years experience to conduct, design, coordinate and evaluate animal research programs in the field of respiratory physiology and inhalation toxicology. Opportunity for scientific meetings attendance and publications. Liberal employee benefit program including profit sharing, salary commensurate with experience and education. Please send resume to: Hall A. Arnold, Assistant Personnel Manager, Hazleton Laboratories, Inc., P.O. Box 80, Falls Church, Virginia 22046.

An Equal Opportunity Employer M/F

NEW ZEALAND SENIOR RESEARCH FELLOWSHIPS

Applications are invited for Senior Research Fellowships to be taken up in New Zealand in 1967. Applicants should possess a Ph.D. degree, or an equivalent qualification, or whilst not having such qualification have a distinguished record of scientific research. The Fellowships are intended for research workers who have had several years professional experience and have published original material. There is no restriction regarding nationality, but successful applicants must meet New Zealand immigration requirements. A good working knowledge of English is required.

The Fellowships will be awarded for research at any of the branches of the New Zealand Department of Scientific and Industrial Research. They will be tenable for periods of between six months and one year initially, but may be extended to a total period of two years. The value of each Fellowship will range between £1,735 and £2,250 a year with an additional £250 a year for a married man. These amounts are taxable. (N.Z. £1 approximately equals $2.80 or £1 sterling.) Fellows will be entitled to an annual grant for return fares by surface transport to New Zealand at tourist class rates is payable to the Fellow, and an allowance of two-thirds of this grant may be paid where a fellow is accompanied by his wife and children. In New Zealand reasonable travelling expenses incurred in connection with the Fellow's research work will be paid.

Application forms and further particulars are obtainable from:


The New Zealand Embassy, 19 Observatory Circle, Washington 8, D.C., U.S.A.

The Office of the High Commissioner for New Zealand, Suite 804, Commonwealth Buildings, 77 Metcalfe Street, Ottawa, Ontario, Canada.

The Department of Scientific and Industrial Research, P.O. Box 8018, Wellington, New Zealand.

Applications should reach New Zealand by 30 September 1966.

RESEARCH PSYCHOLOGIST-PHARMACOLOGIST

Research position exists with one of the world’s leading drug manufacturers. We desire a Ph.D. in Psychology or Pharmacology to participate in research on the behavioural effects of drugs.

The individual should have no less than one year of experience in behavioural pharmacology or psychological drug research. Dissertation research will be given credit for direct experience if it is applicable to behavioural pharmacology.

You are invited to investigate this opportunity at Abbott Laboratories—whose philosophy and facilities are directed toward scientific professionals with a capacity for growth and originality of thought.

Submit complete resume to:

ABBOTT LABORATORIES
North Chicago, Illinois 60064

An Equal Opportunity Employer

American Chemical Society
**EDITOR - ASSISTANT**

College degree required. English or journalism major. Must have experience in all aspects of scientific journalism, including writing, proofreading and layout. Knowledge of statistics preferred. Send resume to Mrs. Jane Burdick, Personnel Director, American Hospital Association, 840 North Lake Shore Drive, Chicago, Illinois 60611.

An Equal Opportunity Employer

---

**IMMUNOLOGY TECHNICIAN**

Skilled, entry-level technician for full-time research in a highly productive immunogenetics-immunohematology laboratory located in Chicago. Must have 1-2 years experience in agar diffusion, electrophoresis, column chromatography, gel filtration desirable. Salary $7000-8600, depending on experience. Liberal retirement benefits. Write to H. Hugh Fodenberg, M.D., Director, Hematology Research Laboratory, University of California School of Medicine, San Francisco, California 94122.

---

**INFORMATION CHEMIST**

Abbott Laboratories needs an Information Scientist, particularly in the field of chemistry.

- To prepare chemical literature surveys. Develop and implement chemical thesaurus for machine-based indexing systems and program chemical searches.
- To evaluate, abstract, and index scientific literature.

In this position you will have the opportunity to participate in further improvement and expansion of science information activities. M.S. in chemistry or equivalent experience. Experience in information sciences desirable. Salary based on qualifications and experience.

Our location is north of Chicago, on Lake Michigan shore near attractive residential areas. Contact:

Dr. Gilbert F. Otto or Mr. Edward W. Weldenfeld Professional Employment

Abbott Laboratories
North Chicago, Illinois 60064

An Equal Opportunity Employer

---

**FELLOWSHIPS**

**GRADUATE FELLOWSHIPS IN BIOCHEMISTRY**

The number of positions leading to Ph.D. are still available for academic year 1966-67. Variables: department research programs include metabolism, enzymology, and other areas of biochemistry. Annual stipends start at $3400, plus tuition allowance.

Address further inquiries to:

Head, Dept. of Biochemistry, University of Maryland, School of Medicine, Baltimore, Maryland 21201

---

**UNIVERSITY OF GUELPH DEPARTMENT OF BOTANY**

Applications are invited for a (a) ECOLOGIST—specializing in ecosystem studies, and (b) GENETICIST—specializing in fungal genetics or molecular genetics. Teaching will be to undergraduate and graduate students in fields of specialization and assisting in General Botany or Genetics. Applicants are expected to be as of January 1, 1967, and will be added to the Assistant Professor level with a salary of $5,500, and adjusted to teaching experience. Applications should be sent to Professor F. H. Montgomery, Head, Department of Botany, University of Guelph, Guelph, Ont., Ontario.

---

**BIOLOGICAL RESEARCH TECHNICIAN**

Plow Laboratories seeks biological technician experienced in microbiology, preferably with 3-5 years background in virology. M.S. or Ph.D. in Biology. PhD. in Biology. Salary possible. Liberal retirement benefits. Write to Mr. W. L. Moore, Personnel Director, Plow Laboratories, Inc., 4 Holland Street, Dorchester, Massachusetts 02124.

---

**THE MARKET PLACE**

**SUPPLIES AND EQUIPMENT**

**SPRAGUE-DAWLEY, INC.**

Pioneers in the development of the STANDARD LABORATORY RAT.

P.O. Box 4220 Madison, Wisconsin

CE 3-5318

---

**PH.D. BIOCHEMIST**

525-bed general hospital with excellent facilities, including modern, well-equipped equipment, opening for biochemist with experience in diagnostic procedures. Somewhat opportunity for research. Excellent salary and fringe benefits. Write to Personnel Director, St. Joseph Mercy Hospital, Ann Arbor, Michigan.

---

**RESEARCH ASSISTANT**

Active Neurosurgical Laboratory in Philadelphia, Pennsylvania, has opening for Research Assistant. Must have B.S. and M.S. degrees in physiology, general biology, microbiology, or biochemistry. Salary $4500-5500, depending on experience. Excellent benefits. Write to: Robert J. McLaughlin, M.D., Neurosurgical Laboratory, 20th Floor, Pennsylvania Hospital, 818 Arch Street, Philadelphia, Pennsylvania 19107.

---

**BOOKS AND MAGAZINES**

**AUTHORS WANTED BY NEW YORK PUBLISHER**

Your book can be published, promoted, distributed by a reliable company on a subsidized basis. Fiction, non-fiction, poetry, scholarly, scientific and even controversial manuscripts welcomed. For Free booklet write Younts Press, Dept. SC, 120 W. 31 St., New York 10001.

---

**WRITERS**

N. Y. publisher wants books on all subjects, fiction, non-fiction, poetry, scholarly, scientific, and even controversial manuscripts welcomed. For Free booklet write Younts Press, Dept. SC, 120 W. 31 St., New York 10001.

---

**HISTOLOGY SERVICE**

**RAPID SERVICE Large Orders Quickly Processed**


---

**SCIENCE, VOL. 153**
This 128-channel pulse height analyzer—yours, at the price of a single-channel unit!

$3650, that's all it takes to own the ND-110. And just think how much more you accomplish with a 128-channel instrument:

- 128 channels eliminate the need to position a peak in a "window" and try to hold it there. Readings are fast, clear, accurate.
- In the multi-scaling mode you use the ND-110 as 128 scalers and record events as a function of time. Ideal for studying isotope flow in plants, organs or animals—because you get numbers instead of an analog curve.

- In illustrating energy and half life characteristics of radiation emitted by different elements, the ND-110 shortens experiments. Students can plot the whole energy spectrum and radiation decay in two simple counting operations.

All this and much more with the 128 channel ND-110—just $3650. Also available with display monitor (shown above), digital printer, shield assembly and scintillation detector (a complete radiation analysis system). Write for ND-110 literature today.

*Price for U.S.A. and Canada: Export Price add 10%
Nuclear-Chicago makes automatic liquid scintillation counting systems, semi-automatic liquid scintillation counting systems, manual liquid scintillation counting systems, automatic planchet counting systems, low-background planchet counting systems, automatic gamma counting systems, large-volume gamma counting systems, small-sample gamma counting systems, paper radiochromatography systems, gas radiochromatography systems, liquid radiochromatography systems, thin-layer-plate radiochromatography systems, scalers, ratemeters, analyzers, analyzer/scalers, analyzer/ratemeters, timers, digital integrators, background subtracters, graphic recorders, amplifier-discriminators, data converters, sample changers, scintillation detectors, gas-flow detectors, geiger tubes, geiger survey meters, ion-chamber survey meters, pocket dosimeters, film badges, sample bottles, liquid scintillation chemicals and standards, radiochemicals, lead bricks . . .

Heard enough?

The point is, we can supply you with everything you need in the way of nuclear systems, instruments, and accessories for life-science research.

Call your local Nuclear-Chicago sales engineer for detailed information on any of the above product categories.

We also have a new 96-page catalog that'll give you a comprehensive look at our complete line. May we send you a copy? Just write us and ask for Catalog LSR-100.

NUCLEAR-CHICAGO CORPORATION

Donker Curiusstraat 7, Amsterdam W, The Netherlands.