

# QUICK QUIZ FOR SAPIENT SCIENTISTS

ISI Quiz Number Three

**1** Which of the following statements is derived from Bradford's Law of Scattering?

- a. Particles scatter at a faster rate in a vacuum than under pressure.
- b. A small number of journals accounts for a major percentage of the articles published in a specific field of science.
- c. 10% of the world's scientists write 50% of the papers published.
- d. The circulation of a journal devoted to a particular discipline varies inversely with an ascendant curve of expiring subscriptions.

**2** An "impact factor" for a specific journal may be estimated by:

- a. Dividing the number of times it is cited by the number of articles published in that journal.
- b. Counting the footnotes and references in that journal.
- c. Dividing the references it cites by the number of items published in that journal.
- d. Multiplying the total number of pages by 8% of the total number of authors published by that journal in a given year.

**3** 50% of the 300,000 current items published in the 1,500 journals indexed annually by the SCIENCE CITATION INDEX are contained in:

- a. 50 journals
- b. 200 journals
- c. 450 journals
- d. 900 journals

ANSWERS: 1-b, 2-a, 3-b.

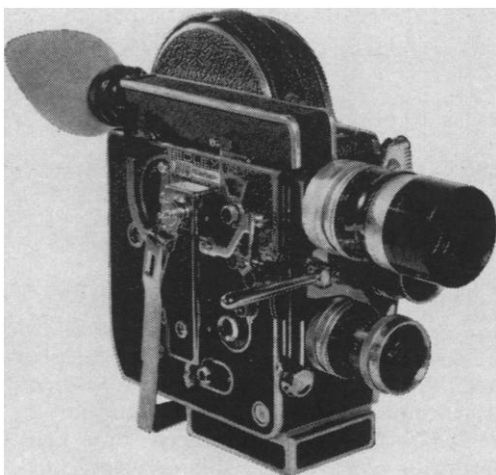
Supporting data available upon request. Write Department 29-14.

This quiz is sponsored by ISI, creators and producers of modern scientific information services used by thousands of scientists throughout the world.

- \* *Current Contents — Life Sciences*
- \* *Current Contents — Physical Sciences*
- \* *Index Chemicus*
- \* *Encyclopaedia Chimica Internationalis*
- \* *Science Citation Index*
- \* *ASCA (Automatic Subject Citation Alert)*
- \* *ISI Magnetic Tapes*
- \* *ISI Search Service*
- \* *OATS (Original Article Tear Sheets)*

**isi**<sup>®</sup>

INSTITUTE FOR SCIENTIFIC INFORMATION  
325 Chestnut St Philadelphia Pa 19106 USA



**When we introduced  
this camera, it was  
nearly perfect. Now read  
what we've done in  
the 30 years since.**

The first Bolex H-16 16mm camera appeared in 1936. It was the most advanced camera of its day. It had such professional features as automatic threading, film rewind, variable speeds, single-frame exposure and a three-lens turret. Although it was extremely popular, we decided the Bolex had an even greater potential. So in the early forties, we added a super-accurate frame counter. Later we included the Registrator Claw to make Bolex films the steadiest in the world. And full reflex focusing and viewing. A variable shutter so you could fade, dissolve, and have greater control over exposure. And a filter slot so you could use one filter to accommodate every lens on your turret.

Today's Rex-4 has an improved reflex viewfinder, giving a full 10X magnified image. And a single-frame shaft for synchronization with audio equipment. The Rex-4 accepts a number of electric motors for shooting long sequences. And a complete range of lenses from 10mm wide angle through extreme telephoto, including macro and zoom lenses. Add the Vario-Switar 86EE zoom and the Rex-4 becomes the world's only professional camera with fully automatic exposure control—with today's Rex-4 system, you can do virtually anything!

Most of those original 1936 Bolex cameras are still in use. That's how rugged our cameras are. Try our "improved" model—it may have taken us 30 years to do it, but we think we've got the perfect camera at last. A copy of the Rex catalog will tell you all. Write Paillard Incorporated, 1900 Lower Road, Linden, New Jersey 07036.



**BOLEX**

## New Titles

### THE PITUITARY GLAND

Edited by G. W. HARRIS and B. T. DONOVAN. This new three-volume work is the most authoritative account of pituitary structure and function available. 61 of the world's leading medical authorities present a thorough survey of the present knowledge in their particular fields. 3-volume set, \$75.00

### BRAIN FUNCTION, VOLUME III

*Speech, Language, and Communication.* Edited by EDWARD C. CARTERETTE. Scholars and scientists from such diverse fields as anthropology, biophysics, linguistics, neurology, physiology, psychology, and speech explore how the methods and knowledge of each field are related to the others in the understanding of human speech, language, and communication. \$12.00

### GASTRIN

Edited by MORTON I. GROSSMAN. The full record of a conference—held under the auspices of the UCLA School of Medicine—at which the determination of the structure of porcine gastrin and the proof of this structure by total synthesis was first publicly announced. \$12.00

### KEY PAPERS

*Brain Physiology and Psychology.* Edited by C. R. EVANS and A. D. J. ROBERTSON. A collection of those articles considered to have contributed an important advance in specific areas of brain physiology and psychology. The book emphasizes the increasing precision of our ideas about the possible mechanisms of biological systems. \$5.00

### THE DREAM AND HUMAN SOCIETIES

Edited by G. E. VON GRUNEBAUM and ROGER CAILLOIS. These 25 contributions to our knowledge of dream phenomena represent the fruits of an international, interdisciplinary conference organized by the Near Eastern Center of the University of California, Los Angeles. \$10.00

### THE GALAPAGOS

*Proceedings of the Galápagos International Scientific Project of 1964.* Edited by ROBERT I. BOWMAN. The Galápagos Islands have been an inspiration for biological studies since the time of Darwin. This volume brings together the papers of the Galápagos International Scientific Project, which took an international group of eminent scientists to the islands in 1964. \$10.00

### PRIMARY PRODUCTIVITY IN AQUATIC ENVIRONMENTS

Edited by CHARLES R. GOLDMAN. As marine life becomes more important as an actual and potential source of food, research in this area is increasing in intensity. The papers in this volume, given at a conference held in April 1965 at Pallanza, Italy, present work from all over the world. \$7.00

### THE NATURAL HISTORY OF PALMS

E. J. H. CORNER. Of all land plants, the palm is the most distinctive. This sweeping examination moves through a detailed study of palms to a consideration of palm geography and evolution, and concludes with a classification of palms. 24 pages of halftones and 133 line drawings. \$12.95

*from California*  
UNIVERSITY OF CALIFORNIA  
PRESS. Berkeley 94720

## INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) STAFF APPOINTMENTS

The Eighteenth World Health Assembly of the World Health Organization approved the establishment of an INTERNATIONAL AGENCY FOR RESEARCH ON CANCER to promote international collaboration in cancer research. The functions of the Agency include the planning, promotion and development of all aspects of cancer research.

Applications are requested for heads of the following divisions:

### EPIDEMIOLOGY AND BIOSTATISTICS

The head of this division will develop an epidemiological unit within the Agency which will be responsible for all epidemiological and biostatistical activities, including the organization of intramural and extramural research programmes. Such activities will include:

- (a) the statistical control of multicentre investigations in environmental carcinogenesis,
- (b) the control of those aspects of the Agency which require data processing,
- (c) collaboration in the organization of a programme of metabolic epidemiology in relation to cancer,
- (d) collaboration with established institutions interested in cancer epidemiology,
- (e) advising the Director on recent progress in his field.

### ENVIRONMENTAL CARCINOGENESIS

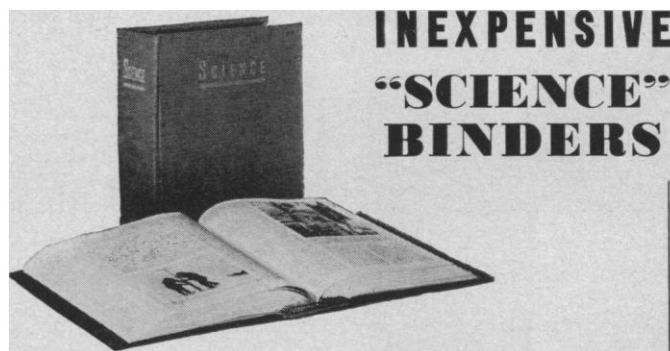
The head of this division will be responsible for developing a research programme with special reference to environmental carcinogenesis in man. Such a programme will include:

- (a) the organization of suitably designed collaborative programmes to permit the detection and quantitation of environmental carcinogens in relation to specific cancer problems.
- (b) the investigation of the effects of long-term exposure to small doses of carcinogens with special reference to total carcinogen load and chronic toxicity,
- (c) collaboration with established institutions and laboratories interested in environmental carcinogenesis, and the study of the possible establishment of a computerized register of carcinogens.
- (d) advising the Director on recent progress in his field.

Further details regarding these positions and terms of employment can be obtained from:

### The Director

INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
c/o World Health Organization  
Avenue Appia  
1211 Geneva—27  
Switzerland.



Keep your copies of **SCIENCE** always available for quick, easy reference in this attractive, practical binder. Simply snap the magazine in or out in a few seconds—no punching or mutilating. It opens **FLAT**—for easy reference and readability. Sturdily constructed, this maroon buckram binder stamped in gold leaf will make a fine addition to your library.

**SCIENCE Binders** hold one three-month volume of **SCIENCE**. They have a 3¼-inch back and 13 flat fasteners. \$3.25 each. Four binders, \$12.00.

For six-month volumes, through December 1961, **SCIENCE** binders with 4-inch back and 26 flat fasteners are available. \$3.25 each.

Add 50¢ for orders outside the U.S. Name of owner, 75¢ extra; year of issues, 50¢ extra.

**SCIENCE** • 1515 Massachusetts Ave., NW,  
Washington, D.C. 20005

SCIENCE, VOL. 153

# 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. Send copy for position wanted ads to:

**SCIENCE**  
1515 Massachusetts Ave., NW  
Washington, D.C. 20005

**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 \$75.00 per inch  
4 times in 1 year 70.00 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**, age 40, 14 years experience in research, teaching and administration, professor and head of department of former British Colony, holder of U.S. and foreign grants. Seeks position in university or research institute. Box 193, **SCIENCE**. X

**Biochemist Immunologist Ph.D.**, experienced, publications, wants faculty research teaching position West or high country. Salary of secondary importance. Female. Box 194, **SCIENCE**. 10/7

**Biochemist, M.S.**, chemistry minor, female, good academic records, wide research experiences seeks position in academic fields or industries. Anywhere in the U.S. but southwestern section. Box 195, **SCIENCE**. 10/7

**Biochemist, Ph.D.** Britain 1964, postdoctoral University of California, seeks teaching or research position in Canada, Britain, Australia, or New Zealand. Box 196, **SCIENCE**. 10/7

(a) **Biochemistry Ph.D.** 1965, bacteriology minor; seeks pharmaceutical research opportunity. (b) **Cytogenetics Ph.D.** completing cell physiology postdoctoral; desires research position. Write **WOODWARD MEDICAL PERSONNEL BUREAU**, 185 North Wabash, Chicago 60601. X

**Biologist, Ph.D.** Biochemical orientation, teaching experience, research-cellular metabolic processes, tissue culture, virus isolation, physical methodology, isotopes, electron microscopy publications, desires academic teaching and research position. Box 197, **SCIENCE**. X

**Business Administrator**, alert grant and contract management; accounting, personnel purchasing. Box 199, **SCIENCE**. X

## POSITIONS WANTED

**Botany Ph.D.** 29, postdoctoral training in tissue culture, morphology, experimental embryology. Ten papers. Seeks suitable position postdoctoral research. Box 198, **SCIENCE**. X

**Clinical Chemist, Ph.D.**, 1959, postdoctoral research, clinical chemistry general hospital, 5 years. Desires position as clinical chemist in university-affiliated hospital with research opportunity. Box 200, **SCIENCE**. X

**Marine Invertebrate Zoologist, Ph.D.** Desires teaching and/or research position. Eight years teaching and research experience. Interests include ecology, systematics and morphology. Box 201, **SCIENCE**. X

**Physiologist (M.Sc.)**, 1950 seeks senior teaching-research position in Canadian university. Box 202, **SCIENCE**. X

**Technical Management.** Industrial biochemistry and microbiology. Two books, many publications. Fellow AAAS, other societies, 19 years experience in sales-oriented R&D and management. Prefers South but not exclusively. Salary range in twenties. Box 203, **SCIENCE**. X

## POSITIONS OPEN

### THE HEBREW UNIVERSITY OF JERUSALEM, ISRAEL

Applications are invited for the post of Professor of Physiology (Zoology) in the Institute of Biology.

Duties will include both research and teaching.

Applications and requests for further information to be sent to the Dean of the Faculty of Science, the Hebrew University of Jerusalem, Jerusalem, Israel, not later than January 1st, 1967.

### PLANT PATHOLOGIST

Unique research position available in Latin American agricultural operations of U.S. company. Require recent Ph.D. or M.S. with experience. Outstanding opportunity to gain rapid experience in tropical agriculture. Modern family housing; one month's annual vacation; other benefits. For full details send resume in confidence to Box 205, **SCIENCE**.

### POSITIONS OPEN

Positions open starting September 1966 in physical and biological science survey courses. Applicants with mature experience and good educational background preferred. Salary and rank are open depending on qualifications and experience. For further information, contact Dr. O. P. Puri, Co-ordinator—Clark College, Atlanta, Georgia 30314.

Postdoctoral and predoctoral traineeships in immunology and immunochemistry available January 1, 1967. Training and research in: immunoglobulin structure, mechanism of antigen-antibody interactions, physico-chemical, chemical and genetic control of immunogenicity. Stipends and tuition.

Write for details to:

**Paul H. Maurer, Ph.D.**  
Head, Department of Biochemistry  
Jefferson Medical College  
Philadelphia, Pa. 19107

### SCIENCE EDITOR

To edit, help revise, and occasionally rewrite journal article manuscripts, monographs, etc., and to help publish a Technical Notes series. This position may also involve some semi-popular science writing. We will consider both trainees and seasoned editors, but applicants must have some background in physical science, plus highly developed English language skills. We are a non-profit basic research organization, supported by the National Science Foundation, devoted to advancement of some of the most challenging areas in the atmospheric sciences. Write **Personnel Department, National Center for Atmospheric Research, Boulder, Colorado 80302**. An Equal Opportunity Employer.

## POSITIONS OPEN

**Position Open:**  
Manufacturer's representative wanted to handle dealer sales for finest line of disposable Petri Dishes.

Box 204, **SCIENCE**

## SCIENTISTS

Physicists, mathematicians, chemists, research engineers, statisticians, operations research analysts, systems analysts—above all, researchers who can apply the scientific method in new contexts, no matter what their discipline—will find rewarding work at the Center for Naval Analyses of The Franklin Institute.

CNA engages in operations research and systems analysis for the U.S. Navy and Marine Corps. Good salary, fringe benefits, stimulating environment, research opportunities. See the results of your work in action . . . establish yourself in a permanent career . . . perform a vital defense function.

For an interview, send letter with resume to:

**James S. Hibarger**  
**CENTER FOR NAVAL ANALYSES**  
1401 Wilson Blvd., Arlington, Va. 22209  
An equal opportunity employer

## NEUROPHYSIOLOGIST / NEUROPHARMACOLOGIST

A challenging research opportunity for a PhD (or equivalent) with appropriate training and experience to supervise studies on the electrophysiological processes underlying the actions of drugs on the CNS. Specialized training in computer techniques is desirable but not essential.

### BIOCHEMIST

Seeking a PhD with 5 to 10 years laboratory experience in Biochemistry and a desire to participate in planning and supervising research investigations. Duties will involve conducting and evaluating a basic and applied program involving biochemical approaches to the inflammatory process. Salary commensurate with experience.

### ENDOCRINOLOGIST

Position requires a PhD with formal training in Endocrine Physiology and interest in the biochemistry of endocrine functions. Duties will involve supervising a group of 2 to 3 junior scientists in designing, directing and evaluating a fundamental research effort in several aspects of the endocrine system and engaging in some product development.

Each of the above positions carries a liberal salary and benefit program. Please send resume to:

**CYRUS M. GREENBERG, PhD**  
Director of Scientific Employment.  
**Smith Kline & French Labs**  
1514 Spring Garden Street  
Philadelphia, Pa., 19101  
An Equal Opportunity Employer

## RESEARCH VIROLOGIST

Ph.D. Recent graduate or with experience. Background and interests in viral diseases. Medical Microbiologist can qualify. Biochemical background desirable. Graduate students expecting degrees in near future will be considered. Interested persons write to:

**MR. GORDON L. GERHARD,**  
Supervisor,

Professional Employment



**Merck Sharp & Dohme**  
Research Laboratories  
West Point, Pa.

An Equal Opportunity Employer

## THE WORLD HEALTH ORGANIZATION

invites applications for a post of  
**SCIENTIST**

in the Cardiovascular Disease Unit,  
Headquarters, Geneva.

Applicants must be qualified in science, physiology, biology or biochemistry and should have personal experience in research work, in the administration of research and the critical appraisal of scientific information.

Person required with excellent knowledge of English; knowledge of French in addition desirable.

**Conditions:** Initial two-year contract with one year probationary period; starting salary equivalent of US \$7,287 rising by annual increments to US \$9,505. Cost of living adjustment, dependents' allowance and children's education grant, health scheme, pension fund, paid home leave every two years.

Detailed curriculum vitae should be sent to Chief, Personnel, WHO, Geneva, before 15 September 1966. Applicants who do not hear from WHO should assume that they have not been short listed for the post.

## POSITIONS OPEN

**Assistant Professor of Ceramic Science—** Ph.D. or equivalent with background in physics, eng. phys., eng. science, eng. mechs. or metallurgy to teach and do research in "physical ceramics," particularly mech. prop. of non-metals. Excellent opportunity at Pa. State Univ. Write **F. A. Hummel, Mineral Industries Bldg., University Park, Pa.**

## ICHTHYOLOGIST or FISHERIES BIOLOGIST

Ph.D. to teach graduate courses in ichthyology and fisheries biology. Excellent location for research. Write: **Chairman, Graduate Department of Marine Science, Long Island University, C. W. Post Campus, Greenvale, New York, 11548.**

## POSITION AVAILABLE

University of Toronto, Department of Botany. Experimental Ecologist or Limnologist. Salary and rank commensurate with experience and reputation. Please apply to **Professor N. P. Badenhuizen, Department of Botany, University of Toronto, Toronto 5, Ontario, Canada.**

## RESEARCH ASSISTANT

Active Neurosurgical Laboratory in Philadelphia, Pennsylvania, needs ambitious young man or woman capable of independent research to carry on projects in Intracranial Dynamics, Cerebrovascular Physiology, and Neurophysiology. Exact salary and position dependent on ambition and diligence. Send resume to **Box 206, SCIENCE.**

## POSITIONS OPEN

**YALE-COLUMBIA SOUTHERN OBSERVATORY** near San Juan, Argentina, has a vacancy for a  
**RESIDENT DIRECTOR**

starting summer of 1967. Duties consist of supervising daily affairs of the Observatory and observing with twin 20-inch astrograph. Further astrophysical instruments are being planned. Experience in astronomical photography essential. Ph.D. preferred but not essential. Initial appointment for two years. Residence provided free. Three to six months paid leave after two years. For applications or information write **Prof. L. Woltjer, Chairman, Department of Astronomy, Columbia University, New York, N.Y. 10027.**

**WANTED: CLINICAL CHEMIST AND CHEMICAL MICROBIOLOGIST COMBINATION WITH AT LEAST AN M.A.** for large reference clinical laboratory in Southwest. Top salary, profit sharing, hospital and life insurance. Send resume.

Box 207, SCIENCE

## WANTED:

Duboscq Colorimeter made by E. Leitz Inc. 1915-1925. State particulars.

Write: Centennial Centre of Science and Technology, 8 Prince Andrew Place, Don Mills, Ontario, Canada.

## The Market Place

BOOKS • SERVICES • SUPPLIES • EQUIPMENT

## SUPPLIES AND EQUIPMENT

**SPRAGUE-DAWLEY, INC.**

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

P.O. Box 4220  
Madison, Wisconsin  
CE 3-5318

## BEAGLES

From 6 Weeks to 6 Months  
Relatively Uniform 14 Inch Strain

**WHITNEY LABORATORY**

Oakwood Road, Orange, Conn. 06477

## PROFESSIONAL SERVICES

## HISTOLOGY SERVICE

**RAPID SERVICE Large Orders Quickly Processed! Quickly Shipped!** Professional supervision of every order. Free estimates on special problems. Distant points serviced swiftly. Special stains and techniques available. Fully protected shipments. **HISTOLOGY SERVICE, INC.** 4801 N. Broad St., Philadelphia, Pa. Zipcode 19141, (215) DAvenport 4-5800

## LITERATURE SEARCHING

When you're ready to do a literature search, call on ISI. The new **ISI Search Service** can do the job for you—quickly, efficiently and economically. Our massive data files are yours for the searching. Let us know your information problems. We'll look for the answers. Contact us immediately for details and **ISI Search Service** forms.

Telephone 215/923-3300, or write

**ISI**

INSTITUTE FOR SCIENTIFIC INFORMATION, 325 Chestnut St. Philadelphia, Pa. 19106, USA

## Technical Service Representative Food Technologist PhD

A challenging career opportunity exists for an experienced PhD in Food Technology, with a background in either human nutrition, biochemistry, or pharmacology. Will be responsible for technical service problems relating to the use and application of company products in the beverage, meat, margarine cereal and baking industries.

The ideal candidate should have a strong background in the biological sciences and experience in commercial environment solving problems, relating to production and development of customer products. Prior research experience is necessary although this is not a research position. Some product development experience would be helpful. Approximately 30% travel is required.

Roche is a leader in the drug and chemical industry. We are conveniently located in suburban North Jersey and have a comprehensive benefits program. Salary and growth potential are excellent.

Please submit resume to:  
**MR. R. M. CALLAN, EMPLOYMENT MANAGER**



**HOFFMANN-LA ROCHE INC.**  
**Nutley, New Jersey 07110**

An Equal Opportunity Employer

# Recent AAAS Symposium Volumes

## #82. Civil Defense

1966. 154 pages, paper. Editor: Henry Eyring. Scientists report their findings on problems related to modern warfare and passive civil defense systems.

Price: \$4.00. AAAS Member's Cash Price: \$3.50.

## #81. Environmental Variables in Oral Disease

1966. 328 pages. Editors: S. J. Kreshover, F. J. McClure. Contents: Geographical and clinical considerations; the oral environment—nutrition and dental caries; experimental considerations in oral soft lesions; pre-natally occurring influences.

Price: \$8.75. AAAS Member's Cash Price: \$7.75.

## #80. Air Conservation

1965. 348 pages. "The result of a 2-year study by the AAAS Air Conservation Commission, all aspects—sociological, technical, political and biological—of air pollution are considered concisely." (*Chemical Processing for Operating Management*, May 1966)

Price: \$8.00. AAAS Member's Cash Price: \$7.00.

## #79. Science in Japan

1965. 496 pages. Editor: Arthur H. Livermore. A broad and detailed review of recent scientific and technological developments in Japan.

Price: \$13.00. AAAS Member's Cash Price: \$11.00.

## #78. Man, Culture, and Animals

1965. 304 pages. Editors: Anthony Leeds and Andrew P. Vayda. "This volume contains articles pertaining to the relationship between man and animals in different parts of the world, covering the influence of domesticated and non-domesticated animals on a variety of cultures." (*Biological Abstracts*, 1 February 1966)

Price: \$8.00. AAAS Member's Cash Price: \$7.00.

## #77. Food Quality

1965. 306 pages. Editors: George W. Irving, Jr., and Sam R. Hoover. "It is an excellent, well-edited review of the agronomical production and processing problems of the basic commodities, fruits and vegetables, cereals, dairy products, poultry and eggs, and meat products." (*Cereal Science Today*, November 1965)

Price: \$8.50. AAAS Member's Cash Price: \$7.50.

## #76. Agricultural Sciences for the Developing Nations

1964. 230 pages. Editor: Albert H. Moseman. "The book . . . is especially useful because of the author's combined experience with the situations and problems of agriculture in the less developed countries. . . . This book will be a valuable reference for many years." (*BioScience*, March 1966)

Price: \$6.75. AAAS Member's Cash Price: \$6.00.

## #75. Mechanisms of Hard Tissue Destruction

1963. 776 pages, 430 illustrations. Editor: R. F. Sognnaes. "Scientists in the fields of dentistry, medicine, and zoology presented a multidisciplinary symposium in 1962, dealing with varied but cognate topics such as coral reefs, dental caries, deer antlers, osteoclastic diseases, bone metabolism, chelation. It is a refreshingly well-planned, well-edited, and interesting symposium." (*Journal of the American Medical Association*, July 1964)

Price: \$13.00. AAAS Member's Cash Price: \$11.00.

## #74. Aridity and Man

1963; 2nd printing, 1965. 604 pages, 98 illustrations. Editors: Carle Hodge and Peter C. Duisberg. "Best collection of background material . . . well balanced and highly readable . . . probably the broadest and most nearly complete treatment of arid lands yet published." (*Journal of Forestry*, May 1964)

Price: \$12.00. AAAS Member's Cash Price: \$10.00.

## #72. Spermatozoan Motility

1962. 322 pages, 113 illustrations. Editor: David W. Bishop. "This book is an excellent assemblage of recent findings and reports of new data relative to the perplexing problem of sperm motility and includes the opinions and ideas of cytologists, biophysicists, biochemists and physiologists." (*Journal of Animal Sciences*, March 1963)

Price: \$7.50. AAAS Member's Cash Price: \$6.50.

## #71. Great Lakes Basin

1962. 320 pages, 92 illustrations. Editor: Howard J. Pincus. "It is difficult to do justice to all the topics covered in a book as rich as this one in content, interpretation, and discussion. . . . Highly recommended to scientist and layman alike." (*Transactions, Amer. Geophysical Union*, December 1963)

Price: \$7.50. AAAS Member's Cash Price: \$6.50.

## #70. Fundamentals of Keratinization

1962. 202 pages, 136 illustrations. Editors: E. O. Butcher and R. F. Sognnaes. "This book . . . makes fascinating reading for all clinicians and research workers interested in keratinising tissues" (*British Dental Journal*, 15 January 1963)

Price: \$6.50. AAAS Member's Cash Price: \$5.75.

## #67. Oceanography

1961; 4th printing, 1966. 665 pages, 146 illustrations. Editor: Mary Sears. "Oceanography is a milestone in oceanographic advance, a worthy publication to come out of the first international congress of its kind." (*Geographical Review*, Vol. 52, No. 3)

Price: \$14.75. AAAS Member's Cash Price: \$12.50.

British Agents: Bailey Bros. & Swinfen, Ltd., Warner House 48 Upper Thames Street, London, E.C.4

Clip out this form. Fill in and Mail Today

Circle Volumes  
You Wish To  
Order . . .

81	80	79
78	77	76
75	74	72
71	70	67

American Association for the Advancement of Science  
1515 Massachusetts Avenue, NW  
Washington, D.C. 20005

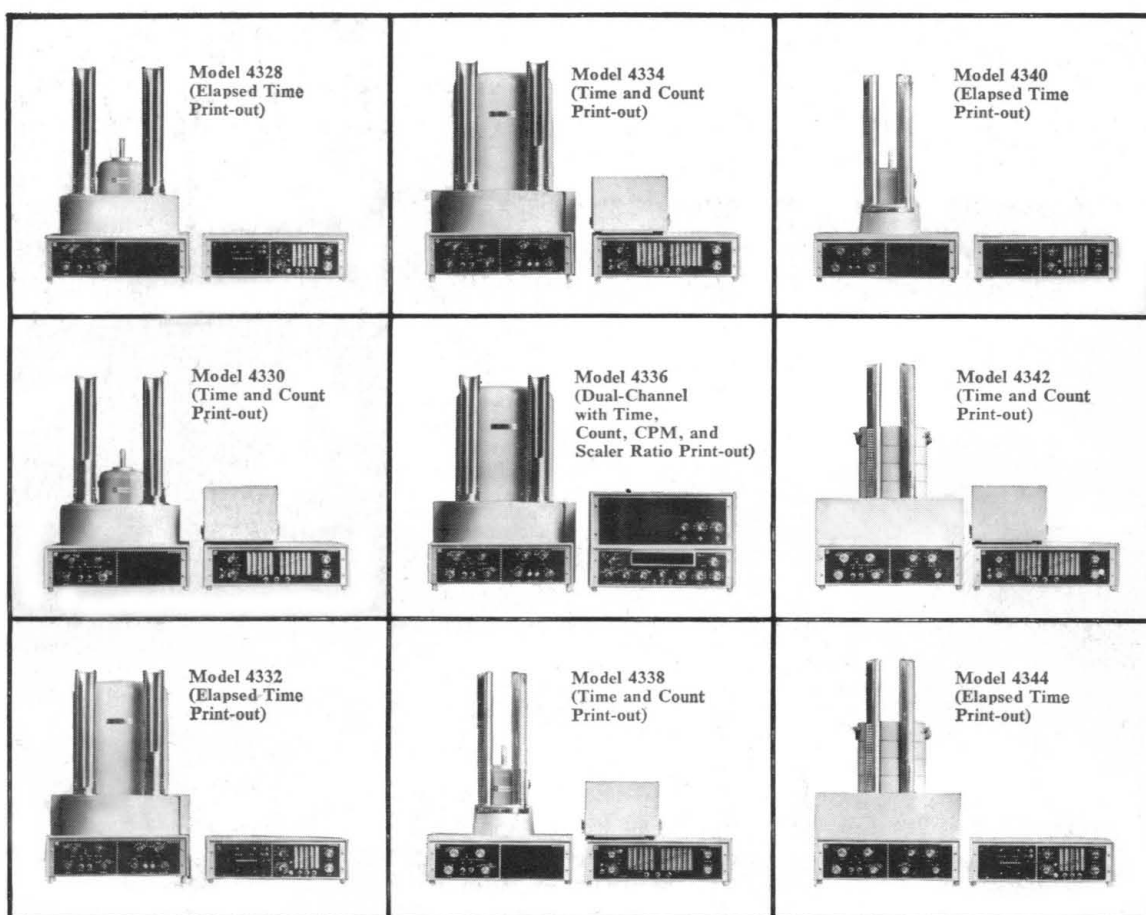
Please send the symposium volumes circled on this form, to:

Name . . . . .  
Address . . . . .  
City . . . . . State . . . . . Zip Code . . . . .

Note: Special prices are allowed only to AAAS members for orders submitted directly to AAAS with payment. Individual membership at \$8.50 per year includes a subscription to SCIENCE.



## Name one company that offers this many planchet counting systems.



## Name two.

Only Nuclear-Chicago gives you a total of nine different automatic planchet counting systems to choose from. There are systems for normal counting (Models 4328 and 4330) or low-background counting (Models 4332, 4334, and 4336) of 2-inch-diameter planchets. And there are systems for 1¼-inch diameter planchets for normal counting (Models 4338 and 4340) or low-background counting (Models 4342 and 4344).

That's nine unique combinations of planchet size, background shielding, sample capacity, and data readout. One of these systems is sure to match your application—exactly. And each system uses an efficient gas-flow detector that's uniformly sensitive up to the edge of the window. Plus a heavy-duty, solid-state-logic sample

changer that has extra capacity when add-on sample magazine extensions are used.

Besides this complete array of planchet counting systems, we can also supply a full range of accessories—such as sample pans and carriers, detector windows, and counting gas.

To get detailed information on these systems and accessories, consult your Nuclear-Chicago sales engineer or write to us.

NUC-B-6-838



**NUCLEAR-CHICAGO  
CORPORATION**

349 East Howard Avenue, Des Plaines, Illinois 60018, U.S.A. / Donker Curtiusstraat 7, Amsterdam W, The Netherlands.