

Kinsey Report and Its Contributions to Related Fields; Grand Ballroom, Statler.

#### Chemistry

**C** *Section on Chemistry*—7:15 p.m.; Session; Keystone Room, Statler.

#### Zoological Sciences

**F** *Section on Zoology*—8:00 p.m.; Symposium on The Kinsey Report and Its Contributions to Related Fields; Grand Ballroom, Statler.

#### Zoological and Botanical Sciences

**FG4** *American Society of Naturalists*—8:00 p.m.; Annual Meeting, Presidential Address; Parlor 1, Statler.

#### Social and Economic Sciences

**K7** *Metric Association*—6:30 p.m.; Board Meeting and Dinner; Society's Suite, Governor Clinton.

#### History and Philosophy of Science

**L, L1, and L2** *Section on History and Philosophy of*

*Science; American Philosophical Association; and Philosophy of Science Association*—8:00 p.m.; Joint Program; Panel Room, New Yorker.

#### Medical Sciences

**N2** *Subsection on Dentistry*—7:30 p.m.; Dinner and Informal Round Table Discussion; Blue Room, McAlpin.

#### Science in General

**X8** *The Academy Conference*—6:00 p.m.; Academy Conference Dinner; Place to be announced.

#### Saturday Morning, December 31

##### Chemistry

**C** *Section on Chemistry*—8:30 a.m.; Session; Keystone Room, Statler.

#### Saturday Noon and Afternoon, December 31

##### Chemistry

**C** *Section on Chemistry*—1:30 p.m.; Session; Keystone Room, Statler.

## Annual Science Exposition

The AAAS Annual Science Exposition is located in the Penn Top and adjacent Salle Moderne, large rooms on the 18th floor of the Hotel Statler. From the hotel lobby, the Exposition is readily reached by express elevators which are marked 10-18.

Admission to the Annual Science Exposition is open to all adults attending the Meeting. During periods of congestion, if necessary, admission will be restricted to registrants and invited guests with admission coupons. Limitations of space make impossible the admission of children. The evening of Wednesday, December 28, has been set aside, primarily, for New York high school seniors who are serious science majors and have tickets.

#### Hours of the Annual Science Exposition

Monday, December 26 .....	2:00 p.m. to 6:00 p.m.
Tuesday, December 27 .....	9:00 a.m. to 9:00 p.m.
Wednesday, December 28 .....	9:00 a.m. to 9:00 p.m.
Thursday, December 29 .....	9:00 a.m. to 6:00 p.m.
Friday, December 30 .....	9:00 a.m. to 6:00 p.m.
Saturday, December 31 .....	9:00 a.m. to 12 noon

#### Special Exhibits

Technically not a part of the Annual Science Exposition, but associated with it, are:

1. THE ANNUAL INTERNATIONAL PHOTOGRAPHY-IN-SCIENCE SALON, sponsored by *The Scientific Monthly* and the Smithsonian Institution. This is located on the walls of the part of the Salle Moderne that houses the Visible Directory of Registrants. This outstanding exhibition of 175 color and black-and-white prints is described under AAAS Prize Awards.

2. THE FIFTH OPEN EXHIBIT OF TECHNICAL PHOTOGRAPHY, sponsored by the Photographic Society of America. This is located on one wall of the short corridor connecting the Penn Top and the Salle Moderne. Some 25 accepted prints, which represent only the Technical Division of this large 1949 P.S.A. Exhibition of Photography, are on display. Previously, these were shown at the City Art Museum, St. Louis, October 17-November 1.

3. THE EXHIBIT OF THE U. S. NATIONAL BUREAU OF STANDARDS. This occupies the other wall of the corridor connecting the Penn Top and the Salle Moderne, and consists of three parts, entitled:

*Unification of Screw Threads*—An accord was reached between the United States, Great Britain, and Canada to promote commerce between these nations by the standardization of threaded parts for greater interchangeability of products; *Electron-Optical Shadow Method*—A technique developed at the N.B.S. provides a valuable new tool for the quantitative study of electrostatic and magnetic fields of extremely small dimensions; *An Atomic Standard of Frequency and Time*—A new, primary standard of frequency and time developed at the National Bureau of Standards is based on the constant natural frequency associated with the vibration of the atoms in the ammonia molecule.

#### Exhibits in the Annual Science Exposition

An exhibition of the latest and best in scientific books, instruments, and materials, by firms that produce or distribute such essential aids to science, has been a feature of the meetings of the Association for many years. Perhaps the first *organized* exhibition of the AAAS should be established as the one held in conjunction with the 79th

Meeting in Washington, D. C., 1924. There were, however, exhibits in preceding years. Represented were such pioneers as the American Optical Company, Bausch and Lomb Optical Company, Central Scientific Company, Eastman Kodak Company, General Biological Supply House, Inc., E. Leitz, Inc., and Ward's Natural Science Establishment, Inc.—all of whom, incidentally, are in the 1949 Annual Science Exposition. The continued participation of these concerns, and of many others who have come to exhibit regularly, clearly indicates that the Exposition is of mutual advantage to the scientists in attendance and to the exhibitors.

This year some 70 exhibitors, including a gratifying number of companies new to this Exposition, are occupants of the 86 booths. They fill all the available space (there were late-comers that, unfortunately, could not be accommodated). All exhibitors have invested funds, time, and effort to set up their exhibits and to man their booths during the convention week. They are glad to have an exceptional opportunity to meet customers in person, to benefit from the experience of those who consume their products, and to learn of new needs which they may be able to fill. Those who provide the tools of science also advance science. As crowded as the week is, nearly everyone will find time to see the Annual Science Exposition of 1949.

This year the Exposition is unusually compact and convenient—but, necessarily, the aisles are narrower than ideal. For this reason, all are asked to *enter the Penn Top*—which has two long aisles, thus four rows of booths—and to *leave through the Salle Moderne*, which houses 19 booths, the Visible Directory, and the Photography-in-Science Salon.

The exhibitors and short descriptions of their exhibits follow in alphabetical order:

**AAAS. New Member Service—*Science—The Scientific Monthly*.** (Booth located in main corridor, across from main Registration.) There are personal advantages in joining the Association. Every person in attendance at the 116th Meeting who is not a member of the AAAS is cordially invited to visit the New Member Service for information concerning the Association. Since its founding, in 1848, the Association has admitted to membership not only professional scientists but also other men and women who have a general interest in science, who wish to keep informed of the progress of science, and who would like to support the high purposes of the one organization that represents all science.

Included in the annual dues of \$6.50 (for 1950), each member has a choice of a year of *Science*, the professional scientist's newsweekly, or *The Scientific Monthly* (or both, for an additional \$3.50). Free sample copies of these two publications will be distributed. Members of the AAAS are requested to nominate fellow scientists for membership, and all not familiar with both magazines are invited to visit this booth. *Prospective advertisers* may obtain sample copies of the magazines and rate cards.

**Academic Press, Inc. (Booth 1A).** It is the aim of Academic Press to aid research workers in the various

fields of science in keeping abreast of all recent developments. Visitors stopping at the Academic Press display will find an array of books intended to fulfill this purpose. They will note the "Advances" series which have become well established and are published yearly. Chemists, biochemists, and biologists alike will be able to peruse reviews in their special spheres of interest, while physicists and mathematicians may browse through publications of such Nobel Prize winners as Sommerfeld and von Laue. Those active in industry and the teaching profession alike will not want to miss Feigl's new book, *Chemistry of specific, selective and sensitive reactions*, or Foster's *Chemical activities of fungi*, and a great many others. A stop at the Academic Press exhibit will also acquaint members and friends of the AAAS with future publications scheduled for the coming year.

**Aero Service Corporation (Booth 76).** Relief maps—formed in lightweight, durable plastic—are the new teaching aids exhibited by Aero Service Corporation. A portfolio of 12 U. S. Geological Survey quadrangles, representing typical physiography in the United States, will be shown. Selected by leading educators, these quadrangle portfolios are now in use in nearly 300 college geology and geography classes. Each quad, 17 by 22 inches in size, weighs only 4 ounces. Additionally, a handsome 9-color relief map of Venezuela will be exhibited. Its scale is 1:1,250,000; its size, 45 by 56 inches; its weight, only 2 pounds. These maps have been distributed to many Venezuelan schools and government agencies by Creole Petroleum Corporation. In production is a new plastic relief map of the United States in 11 colors. Its size will be 64 by 40 inches; its weight, less than three pounds. It will give the American student of any age a vivid, accurate understanding of his country's physiography.

**Albino Farms (Booth 19).** The Albino Farms, P. O. Box 331, Red Bank, New Jersey, will exhibit their laboratory animals which are bred on their farms. The animals will consist of Swiss White Mice, White Rats, C 57 Mice and Hamsters. Cages will be used to house the animals and are expected to be placed in a position so that the convenience of the members will be assured. A representative will be on hand at all times to answer inquiries relative to the animals being displayed. Those members wishing to discuss the problems pertaining to the animals may ask to see Mr. M. L. Wachtel, who is qualified in this regard. All members are invited to visit our exhibit, and it is the desire of the Albino Farms to see to it that you become acquainted with us and our purpose to serve science in all its relationships with our animals for comparable and exact results by meeting exact specifications desired by the scientific fields.

**American Book Company (Booth 14).** American Book Company, publishers of school and college textbooks, has on display a representative selection of its newer and active publications in the field of science. Featured at the exhibit is advance proof of the eighth edition of Gray's *Manual of botany* which has been in preparation for over 20 years and the publication of which is eagerly

awaited by the profession. Included in the exhibit is a copy of the first edition—a rare collector's item—as well as copies of the succeeding editions published over the interval of a hundred years. Containing some 1,600 pages with over 1,800 illustrations, almost wholly rewritten, chiefly by Professor Merritt Lyndon Fernald, with three genera revised by their greatest living masters, the book contains about 8,000 species and varieties. The publication of this book is an event of major importance in the history of education and in educational publishing.

**American Cancer Society, Inc. (Booths 59 and 60).** *American Cancer Society—Organization and Program:* Under a diagram showing the organization of the American Cancer Society, the various aspects of its program, including education, service, research, and Field Army activities are portrayed by means of three-dimensional figures and illuminated drawings. Side panels show cancer centers by state in relation to population and the distribution of funds. Charles S. Cameron, M.D., Medical and Scientific Director.

**American Instrument Company, Inc. (Booth 81).** The American Instrument Company will exhibit: *Electrophoresis Apparatus*. . . The most advanced and complete electrophoresis laboratory housed in a compact and portable unit for research and routine work; *Rotary Warburg Apparatus*. . . New and improved design for microrespiration studies; *Coleman Spectrophotometer*. . . Truly universal, 5 instruments in one—spectrophotometer, photofluorometer, nephelometer, titrator, and sensitive galvanometer; *MacBeth pH Meter*. . . A new dual titration meter and pH meter of utmost sensitivity and flexibility; *Automatic Pipetting Machine*. . . For delivering accurately measured quantities of liquids (0.05 to 60-ml volumes) into ampoules, vials, etc.; *Constant Temperature Bath*. . . For close, dependable temperature control; *Waring Blendor*. . . The speediest and most efficient device for the preparation of extractions, suspensions, and emulsions; *Micro Kjeldahl Apparatus*. . . Electrically heated, for micro and semimicro digestions and Soxhlet extractions.

**American Optical Company (Booths 53 and 54).** The Instrument Division of the American Optical Company will display several new instruments. The new laboratory microscopes, either with or without attached substage illuminators, are more rigid and one-third lighter than previous models, and much improved in design. The MC Delineascope is a three-purpose projector for 2 in. × 2 in. slides and single or double frame slidefilm. The Scholar's Microscope, with a built-in light source, is smaller and more convenient than most school models, and is practically foolproof, even for the beginning microscopist. A simplified stereoscopic microscope with a double nosepiece and platen stage is less expensive but of the same optical quality as other Spencer microscopes. The electronic drive Microfilm Reader enlarges 16-mm microfilm conveniently. The Phase Microscope, the 735 Microscope Lamp, the Hb-Meter, polarizing and metallurgical microscopes, microtomes, colorimeter, refractometer, and the GK Auditorium Delineascope also will be

shown. Representatives W. F. Butler, W. E. Folland, G. W. Frid, and O. E. Schaefer will be in attendance to discuss any optical questions presented.

**American Tobacco Company, Inc. (Booths 31 and 32).** The exhibit of the American Tobacco Company's Research Laboratory, Richmond, Virginia, will stress the role of technology in the selection and processing of tobacco, as well as the manufacture of tobacco products. Samples of the more important tobacco types and a variety of compounds which have been identified in tobacco will be displayed. Each sample will be suitably labeled and described. In addition, a short sound movie will cover some of the activities within the laboratory and will include references to the progress of research in the tobacco industry. Mr. O. L. Hillsman and Mr. J. M. Moseley will be in attendance.

**Appleton-Century-Crofts, Inc. (Booth 50).** Appleton-Century-Crofts, Inc., enters, in 1950, its 125th year of book publishing. The present firm was established in 1948 as the result of the merger of D. Appleton-Century Company, Inc., established in 1933, and F. S. Crofts & Co., founded in 1924. D. Appleton-Century Company, Inc., was itself the result of the merger of The Century Co., founded in 1870, and D. Appleton and Company, founded in 1825. These famous publishing houses have been distinguished for their contributions to education, particularly in the areas of the sciences. Among the books exhibited at the Appleton-Century-Crofts booth in the Annual Science Exposition are outstanding college textbooks, by noted authorities, in the fields of anthropology, astronomy, biology, botany, chemistry, education, general science, geology, mathematics, medicine, and psychology. Many of these books have become standard texts in their fields. All of them are in use in universities and colleges throughout the country.

**Bausch and Lomb Optical Company (Booths 47, 48, and 49).** At the Bausch and Lomb booths, visitors will have an opportunity to examine and use many of the latest B & L developments in the scientific instrument line. These instruments will include the new Research Microscope, Model E, with low position, fine adjustment, and latest developments in Phase Contrast Microscope Accessories and Microscope Illuminators. The recently introduced Student Microscope, Wide Field Stereoscopic and Polarizing Microscopes with five-axis Universal stage will be shown. Visitors who bring their own microscope slides will have an opportunity of examining them with these new instruments. Photomicrographers will be able to see and operate the new photomicrographic equipment, Model L, which is adaptable over a wide range of magnification and specimen selections. The new "Abbe-56" Refractometer will be a featured instrument in the display of refractometers and spectroscopes which are useful teaching aids in physics and chemistry, as well as for research and laboratory work.

**Biological Abstracts (Booth 78).** A cooperative, non-profit journal published by biologists for biologists, *Biological Abstracts* is the only abstracting and indexing

service in the world that affords an adequate coverage of the literature in all fields of biology. Currently abstracting upward of 3,000 journals, the coverage is being expanded as rapidly as possible to include many more European, Scandinavian, and Asiatic journals that are not available to the scientists of this country.

As well as the complete edition, *Biological Abstracts* also is published in nine low-priced sectional editions that were specially designed for individual biologists who are interested only in one or more closely related fields. These sectional editions, and the complete edition, will be on display—and the Editor-in-Chief and Business Manager will be in attendance to welcome visitors and furnish information. Stop in at Booth No. 78 and see how one scientific journal has solved the high cost of printing.

**Bioscope Manufacturing Company (Booth 34).** The Bioscope is an instrument designed primarily for classroom projection of microscopic material. It may either take the place of microscopes or simplify and speed up the use of microscopes. This instrument projects microscopic material downward on a table or on a wall screen where a large group may study the subject and have particular parts actually pointed out to them. Many teachers say the Bioscope, which costs less than one microscope, has the teaching value of a dozen microscopes. Standard equipment includes one 16× projection lens; one 8× wide field projection lens, lifetime transformer and polarizing attachment. Height 24 inches, weight 12 pounds.

**Blakiston Company (Booth 4).** Come by the Blakiston Company's booth to see Schmalhausen's *Factors of evolution* and Gates's *Pedigrees of Negro families*, both new contributions to their fields; Lee's *Vade Mecum*, internationally known as the outstanding work on histologic technic; Suckling's *Examination of water supplies*; Newton's *Recent advances in physiology*; Emerson and Shields' *Laboratory and field exercises in botany*, which can be used with any standard text, but which with Emerson's *Basic botany* gives a unique coverage of the field for freshman students; and don't miss seeing Blakiston's *New Gould medical dictionary*—the first completely new unabridged medical dictionary in 38 years—contains hundreds of new words, including terms used in biology, botany, pharmacy, medical physics, and chemistry. An anatomical atlas with 252 illustrations, 129 in color, makes this the most complete, most useful research tool available.

**Bussey Products Company (Booth 21).** Bussey Products Company presents its complete line of laboratory cages for small animals as well as feeding and watering devices. Sample cages for mice, rats, hamsters, guinea pigs, rabbits, and monkeys are displayed. Bussey's popular "Permaweld" process is featured in these cages. All laboratory equipment shown is available for immediate shipment.

**Cambridge Instrument Company, Inc. (Booth 58).** Of interest to scientists in many fields, important developments in Cambridge instruments are presented. For use

in measuring radioactive emission, Cambridge shows its Precision Ionization Meter (Failla Design), "Chang & Eng" Fast Neutron Detector, Lindemann-Ryerson Electrometer which incorporates improvements developed by the Ryerson Laboratory during the recent war, and the Cambridge Pocket Gamma-Ray Dosimeter with Charging Unit. For use in medicine, Cambridge exhibits two portable Electrocardiographs, its "Simpli-Trol" model Standard String Galvanometer instrument and its "Simpli-Scribe" Direct Writer. The Cambridge exhibit also includes: the multipurpose combination model Cambridge Surface Pyrometer with three interchangeable thermocouples. Cambridge Research pH Meter which uses an electron-ray null-point indicator in making precision determinations; sensitivity .005 pH, reproducibility .01 pH. The sturdy and inexpensive Cambridge Pot Galvanometer, a combined pointer and reflecting galvanometer for general and student use.

**Canadian Radium and Uranium Corporation (Booth 75).** The Seederer-Kohlbusch Microbalance is being exhibited. Resembling the conventional analytical balance in appearance, the instrument contains a small radioactive source, mounted upon the beam. Any movement of this latter registers as an unbalance in the two halves of a split ionization chamber, connected in opposition. The final significant figures are read directly upon the output meter of a vacuum tube electrometer. A sensitivity of  $10^{-8}$  gm is attained, with a reproducibility on the order of one microgram.

Another new development to be demonstrated is the "Telicon"; an instrument by means of which radiation fields may be viewed in relation to their sources and other nearby objects. Phenomena such as the rarefaction and compression zones of sound waves, and the scatter and absorption of radium gamma radiation are clearly visible. The exhibit includes a number of photographs of various radiation field phenomena, photographed by means of this instrument.

**Carolina Biological Supply Company (Booth 33).** The Carolina Biological Supply Company of Elon College, North Carolina, and Waubun Laboratories of Schriever, Louisiana, will be represented at the Annual Science Exposition by an attractive and interesting exhibit. The exhibit will include biological materials from the culture, slide, preserved materials, and other departments, to illustrate the most up-to-date methods of cultivation of microorganisms, the preparation of microscope slides, and the preservation and injection of macroscopic specimens. Several processes will be completely demonstrated, thus serving to illustrate routine practices in our laboratories. A staff of professional biologists will be in charge of the exhibit and will offer a complete biological materials information service. Literature, including teaching aids, will be available free of charge to those viewing the exhibit. We extend a cordial invitation to you to visit with us in our booth.

**Fred S. Carver Inc. (Booth 27).** We will exhibit the new model of our standard ten-ton Carver Laboratory Press. The new model incorporates certain refinements,

modifications and changes, but is basically the same standard equipment which has been accepted as standard laboratory apparatus by government laboratories, colleges, universities, and research institutions all over the world. The press will be shown with its standard accessories for numerous pressing tests in the biological, chemical, physical, and mechanical fields. One of the unique features of this equipment is the Carver standard accessories available for optional use. These provide means for handling numerous materials for some 60 general applications of small-scale pressing tests. We will also have on display a museum collection showing samples of work done by users with the Carver Laboratory Press. Samples will include plastic molded items; laminations; pressed oils and liquids; extracts; briquetted items, metallographic mountings; crushing, breaking, and shear test specimens; etc.

**Central Scientific Company (Booths 28 and 29).** The Central Scientific Company exhibit will feature a new line of Cenco D.C. measuring instruments including Wheatstone Bridges, Potentiometers, Volt Boxes and Resistance Boxes; a new Pressovac Pump for vacuum only, guaranteed to produce 25 microns; the new Cenco Titration-pH Stand and Apparatus; the Cenco Electronic Electrometer; new All-Metal Slide Rule; the Cenco Anthropometer; a new laboratory model Radiation Meter; Synchronous Motor Drive Laboratory Timer; new Adjustable Laboratory Tripod; Fluorescent Mineral Kit with Ultraviolet Lamp and many other new instruments of interest to scientists.

**Cinchona Products Institute, Inc. (Booth 7).** A display showing colored illustrations of malaria plasmodia, pictures of the cinchona plantations in Java, the major research projects carried on in universities and medical schools here and in Holland. Literature on the use of cinchona alkaloids as well as the book *Cinchona in Java* will be available for free distribution.

**Coreco Research Corporation (Booth 5).** Featured will be the Coreco Automatic Color Camera, Model #300. The "Coreco" Camera is designed to photograph all surface areas of the body—from 1-to-1 close-up pictures to half-body size—and all cavities of the human body, such as mouth, throat, ear, nose, vagina, and rectum. The camera carries its own specially developed, fully color-corrected bulb and a mechanism for complete control of its color, temperature, and exposure within the camera itself. There is an automatic view finder synchronized with the automatic camera mechanism to permit viewing until a fraction of a second before exposure. The camera provides for automatic focusing. An x-ray film applicator is included, making it possible to record all sizes and densities of x-ray film on Kodachrome transparencies.

**Thomas Y. Crowell Company (Booth 16).** The Thomas Y. Crowell Company, publishers of books, will present a display of its college texts and reference books at the Annual Science Exposition, December 26–31, New York City. These are largely in the fields of chemistry, geography, anthropology, biology, and the social sciences.

Featured in the Crowell Booth will be a new introductory biology text by William Etkin, the newly revised *Introductory college chemistry* (2d edition) by Joseph A. Babor and Alexander Lehrman—both books scheduled for publication early in 1950—and the recently revised *Experimental general chemistry* (2d edition) by J. W. Neckers, T. W. Abbott, and K. A. Van Lente. Copies of these new books will be available for inspection. Over thirty other books will be on display. Among them will be such recently published texts as *World political geography* by G. Etzel Pearcey, Russell H. Fifield and Associates, *Man in environment: An introduction to sociology* by Paul H. Landis, and *General anthropology* by Harry Holbert Turney-High. The list will include, as well, Spanish translations of several Crowell texts in the science field.

**Denoyer-Geppert Company (Booth 24).** Denoyer-Geppert Company will have on display eight of the new Kampmeier Anatomy Charts, a rather wide selection of models for anatomy and biology, some demonstration and museum preparations, and a selection of imported wall charts for zoology and comparative anatomy. We wish to call special attention to the Kampmeier Anatomy Charts, which include systems heretofore not presented in large size chart form such as the lymphatic system, urogenital system, and the topography of organs in male and female. A portion of our exhibit will be devoted to the display of Kodachrome slides covering many fields of the biological sciences. We shall be pleased to have the opportunity of consulting with you in the selection of sustained-use visual teaching aids best suited to your particular requirements and look forward to your visit to our exhibit.

**Eastman Kodak Company (Booths 17 and 18).** On exhibit by the Eastman Kodak Company are photomicrographs illustrating the use of photography in autoradiography, nuclear physics, and other fields of science. Projection apparatus is available for examining autoradiographs and nuclear events in photographic plates.

**Encyclopaedia Britannica (Booth 71).** On display will be the latest printing of the oldest, most honored, and most widely read encyclopaedia in the English language. *Encyclopaedia Britannica* is the product of more than 4,000 eminent contributors representing the world's great authorities in every field of knowledge from sixty-two different countries. Exhibitors will explain *Encyclopaedia Britannica's* continuous revision policy, and how the Britannica owner of today is kept up to date with the *Britannica book of the year*, a one-volume, annual encyclopaedia of approximately a million words and written by many of the same, world-famous contributors. This basic reference work of technical and professional men and women for more than 180 years is now indexed with half a million references and cross references, and is a part of Britannica's Ten-Year Program, which includes research services and other features of inestimable value. Be sure to visit this interesting Britannica exhibit, where you may inspect the latest, 1949 copyright. You will receive a colorful booklet which tells you more about *Encyclopaedia Britannica*.

**Gamma Scientific Company (Booth 44).** The Gamma Exhibit will feature a variety of scientific instruments and laboratory apparatus such as Micro Balance, Rapid Industrial Balance, Chemical Micro Manipulator, Photomicrographic Camera, Metallographic Microscope, Polarimeter, Refractometer, etc. We call your special attention to the Oertling Micro Balance made in England and recently introduced in this country. This balance actually permits reproducible readings to .001 mg. All models shown are either being exhibited for the first time or represent design improvements introduced within the last year.

**General Biological Supply House, Inc. (Booths 63 and 64).** The exhibit of General Biological Supply House, Inc. will include a wide range of teaching materials for the biological sciences. Living forms, such as Volvox, Pandorina and other flagellates, will be shown through microprojection. New unbreakable rubber anatomical models will be displayed, as will be many new biological charts. Microscope slides and Kodachrome lantern slides will be available for examination and for projection. The exhibit will also include many living and preserved plant and animal specimens, and the latest developments in field collecting equipment.

**Grune and Stratton, Inc. (Booth 80).** Among the many books in the scientific and medical fields published by Grune & Stratton, the following recent publications will be of particular interest to those attending the convention: Linksz, *Physiology of the eye*, Volume I: *Optics*, which will be followed shortly by two more volumes dealing with physiology of vision and biochemistry of the eye; Penrose, *Biology of mental defect*; Vannotti and Delachaux, *Iron metabolism and its clinical significance*; Rappaport, *Rapid microchemical methods for blood and cerebrospinal fluid examinations*; Ponder, *Hemolysis and related phenomena*; Davis, *Shock and allied forms of failure of the circulation*. Advance material on a new periodical, *Circulation*, the journal of the American Heart Association, will be available as well as recent issues of *Blood*, the journal of hematology, and the several important special issues of *Blood*.

**Harper & Brothers, Publishers (Booth 46).** On display will be the new and standard publications of Harper & Brothers and their medical department, Paul B. Hoeber, Inc. The majority of the titles featured in the exhibit are selected texts and reference books from the fields of botany, zoology, medicine, geology, mathematics, engineering, chemistry, psychology, sociology, and education. Also available for examination are recent popular books of special interest to the scientist and to the educated layman. Representing the company at the booth will be Kenneth B. Demaree, Robert G. Hawley, Paul B. Hoeber, Jr., and Edward W. Nichols.

**International Business Machines Corporation (Booths 11, 12, and 13).** International Business Machines will display its new electronic Card-Programmed Calculator, which is its latest commercially produced equipment for the solution of problems involving se-

quence calculations in the fields of engineering, applied and theoretical science, as well as business and industry. This equipment makes possible the economical solution at high speeds of extensive problems which have hitherto been impractical for many scientists or organizations. The IBM exhibit will be manned by personnel who can discuss the application of this and other IBM calculating equipment to problems in many fields faced by scientists attending the convention and exposition. Also of interest will be the recently announced Electronic Statistical Machine, which is noteworthy because, simultaneously, it sorts, counts, accumulates, balances, edits, and prints statistical information. Built with small or large capacities, the IBM Statistical Machine provides a means of obtaining many types of comprehensive statistical analyses in minimum time. Representatives will also be on hand to discuss the entire line of IBM Electric Punched Card Accounting Equipment as applied to various fields of science and industry. Also displayed will be the IBM Electric Typewriter and IBM Electronic Self-regulated, Time Indicating, Recording and Signaling Systems.

**Jarrell-Ash Company-National Spectrographic Laboratories, Inc. (Booth 38).** The optical laboratory instruments which Jarrell-Ash Company are exhibiting will feature equipment manufactured by Hilger & Watts, Ltd., London, England, and will include a complete outfit for emission spectrochemical analysis, ultraviolet and infrared monochromators and probably ultraviolet and infrared spectrophotometers and a Raman spectrograph with source unit. A new polarimeter reading to .001° and a refractometer reading to .00001, both with glass scales, will be displayed. Jarrell-Ash will demonstrate a new Baker phase contrast microscope in which the condenser diaphragm stop remains the same for all objectives. There will also be the new Cooke Universal microscope, A. O. polarizing microscope and photomicrographic equipment. An Oertling balance with projected scale, reading from .1 mgm. to 1 gram without opening the case will be shown. There will be an assortment of x-ray cameras. Technical personnel will be on hand to demonstrate the equipment. In attendance will be: Richard E. Ashley, Richard F. Jarrell, Howard A. Morrison, Jr., and J. Albert Rudden.

**Kahl Scientific Instrument Corporation (Booth 8).** The Kahl Scientific Instrument Corporation Exhibit will include: 1—Instruments for marine research such as bottom grabs, underwater current meters to indicate both velocity and direction, plankton nets, and other apparatus used for limnological studies. 2—Meteorological instruments, primarily several new types of electric psychrometers, and mercury-amalgam thermometers ranging down to minus 75° F. 3—Precision Thermometers of the highest quality and accuracy, such as Beckmann Thermometers, Calorimetric Thermometers, Fractional Degree Thermometers. 4—High vacuum apparatus, including a new type mercury diffusion high vacuum pump, 3-stage style, with freeze-out trap. 5—A new type of gas-flow control apparatus, nonmechanical, which can be adjusted to limit the flow of gases to an infinitesimal quantity.

This instrument is provided with a manometer to indicate varying gas pressures in the system.

**E. Leitz, Inc. (Booth 52).** Leitz will show its new Monocular and Binocular Medical Microscopes and will also show the well-known Research Microscope ORTHO-LUX, with built-in illumination, the Universal Microscope and Photomicrographic Apparatus PANPHOT, and the Stereo-Binocular Microscopes after Greenough. Also exhibited will be the Low and High Power Binocular Magnifiers, the Ultropak Illuminator for observation in reflected light, and the Micro-Projector with synchronous objective-condenser changer Model XI-c. Various photomicrographic cameras will also be shown.

**Linguaphone Institute (Booth 22).** Because international communication on a level of clear understanding is of the greatest importance to scientists, The Linguaphone Institute of New York, publishers of home-study conversational language courses in 29 of the world's most important languages, is proud to exhibit at the AAAS meeting. At its booth, visitors can enjoy a free trial lesson in any language from Afrikaans to Swedish.

**J. B. Lippincott Company (Booth 51).** Look to J. B. Lippincott Company, Philadelphia, Pennsylvania, for timely, practical and authoritative information—for selected professional books in all fields of medicine and allied sciences, and in education. Here is a continual indication of current trends and needs which serves as the basis for new and revised clinical volumes and textbooks. Here are reports of the outstanding and significant work being done by those making very real contributions to scientific progress.

**The Macmillan Company (Booths 65 and 66).** The book exhibit sponsored by The Macmillan Company at the December 1949 meeting consists of approximately 800 titles. In addition to undergraduate and graduate textbooks and reference works, there will be a large number of technical and scientific books of interest to the general reader. Books in the fields of various hobbies and avocations—photography, gardening, radio, outdoor life, and others—are represented, as are books of special interest to young readers. The major classifications are agriculture, the biological sciences, chemistry, engineering, history and philosophy of science, home economics, mathematics, medical science, and physics. Mr. Boyd T. Harris, Science Editor, together with other members of the College Department, will represent The Macmillan Company at this exhibit.

**McGraw-Hill Book Company, Inc. (Booths 35 and 36).** The McGraw-Hill Book Company's exhibit will be comprised of more than 300 volumes, covering every field of modern science. In addition to standard texts and reference work in all fields of natural, physical, and social science, there will be numerous new and revised work of great importance. Specially featured will be ten or more volumes of the National Nuclear Energy Series, sponsored by the Atomic Energy Commission, ranging in subject matter from pharmacology of uranium com-

pounds to electronic techniques in nuclear research, contributed and edited by the scientists who are carrying on the vital developments in our national and university laboratories. Many new texts and reference books in advanced physics, zoology, chemistry, and natural history will also be featured.

**McGregor and Werner, Inc. (Booth 79).** McGregor & Werner, Inc., 1640 Connecticut Avenue, N.W., Washington, D. C., is a service organization working with and for scientific and technical societies and publishers. The entire staff of trained technicians and salesmen of the Corporation are cleared to handle classified material. The functions the organization offers to the scientific and technical fields are briefly listed below. *Translations:* All Western European languages, Russian and most of the Oriental and some African languages. *Technical Writing:* Instruction, operating, maintenance, and engineers manuals. *Editing:* Editing for content, style, and for press. *Cataloging:* Complete cataloging services from the warehouse bin to the printed catalog. *Indexing and Abstracting:* Indexing for books, catalogs, and abstracting. *Art Work:* Illustration, drafting, and design in any medium. *Copy Preparation for Offset Printing:* Vari-Typer and Proportional Spacing Machine composition for rapid and economical large scale production. *Printing:* Letterpress and offset book printing, reprinting, binding, warehousing, and distribution. Come and see us at Booth Number 79. We may be able to help you solve your publication problems.

**G. & C. Merriam Company (Booth 39).** The G. & C. Merriam Company exhibit will consist of a sample display of the various publications of the company which we list herewith: *Webster's new international dictionary*, 2d edition, *Webster's new collegiate dictionary*, *Webster's dictionary of synonyms*, *Webster's biographical dictionary*, *Webster's geographical dictionary* (To be published Nov. 14, 1949), *A pronouncing dictionary of American English picturesque word origins*. In addition there will be displayed for distribution copies of various pamphlet material dealing with instruction in and the use of the various books mentioned above. Souvenirs will be provided.

**Philip Morris and Company, Ltd., Inc. (Booth 67).** Philip Morris and Company will demonstrate the method by which it was found that Philip Morris Cigarettes, in which diethylene glycol is used as the hygroscopic agent, are less irritating than other cigarettes. Their representative will be happy to discuss researches on this subject, and problems on the physiological effects of smoking.

**The C. V. Mosby Company (Booth 42).** The C. V. Mosby Company of St. Louis will display its varied line of scientific publications. Among the recent reference and text releases will be the following: Anderson *Pathology*, Ackerman-Regaton *Cancer*, Kleiner *Human biochemistry*, Davison *Handbook of materia medica, toxicology and pharmacology*, Kantor *Handbook of digestive diseases*, Campbell *Operative Orthopedics*, Slocum *Atlas of amputations*, Lee *Official preparations of pharmacy*, Regan

*The doctor and patient and the law*, Francis *Introduction to human anatomy*, Zoethout *Introduction to human physiology*, Zoethout-Tuttle *Textbook of physiology*, Arnow-Reitz *Introduction to organic and biological chemistry*, Whiteford-Coffin *Essentials of college chemistry*, Anthony *Anatomy and physiology laboratory manual*, Vogel *Anatomy and physiology laboratory manual*, and Flitter *Introduction to applied physics*. Visitors attending the AAAS meeting are cordially invited to look over these and other scientific publications on display.

**National Geographic Society (Booth 23).** The exhibit of the National Geographic Society will feature the display of a selection of natural color slides by automatic projector. The slides cover National Geographic expeditions and were selected from illustrations by staff photographers of the *National Geographic*.

**National Spectrographic Laboratories, Inc. (Booth 70).** The National Spectrographic Laboratories' representatives will be prepared to discuss the analysis of agricultural materials such as plant tissues and soils and biological samples for their metallic element contents. Charts for the correlation of nutrient balance in plants for ten elements will be shown. Arrangements may be made with the National Spectrographic Laboratory representative for the analysis of your materials in their laboratory. Spectrographic equipment will be shown jointly with the Jarrell-Ash Company in Booth No. 38.

**New York Scientific Supply Company, Inc. (Booth 45).** The exhibit of the New York Scientific Supply Company, New York, New York, will feature its first showing of Nysseo-Glo Everlasting Biological Models made of rubber composition, as well as Nysseo-Glo Muscular Skeletons. Details of preparations, colored with specially developed luminescent paints, are amazingly clear when exposed to near-violet light (black light), glowing vividly and brilliantly, and becoming visible in all parts of the room, even in diffused light. The exhibit will also include Nysseo Biological Charts, Transpar Plastic Insect Mounts, museum preparations, Economy Tube Life-Histories in solid media, and many other visual aids of interest to the natural scientist. Convention visitors are cordially invited to visit our building at 28 West 30 Street, which is within short walking distance of the exhibit hall.

**Nuclear Instrument and Chemical Corporation (Booth 69).** The Nuclear booth will display a complete line of instruments for radioactivity measurement and research. The display includes instruments for classroom teaching purposes as well as those for specialized research laboratories. Operating demonstrations of both types of instruments will be shown, as well as pocket size and portable dosimeters and radioactivity monitors. Competent engineers will be available to suggest answers to instrumentation problems or teaching methods.

**The Nucleonic Corporation of America (Booth 55).** The exhibit of The Nucleonic Corporation of America will include Model RC-1: A compact, light weight instrument, combining count rate meter and binary scale of 64 with

panel mounted register; Model RC2T: A compact, light weight instrument combining decade scale of 100, preset and elapsed timer; Model RC1E; Count Rate Meter: A compact, light weight instrument, with 3 ranges; 500, 5,000, 50,000 counts per minute; *Note:* All of the foregoing instruments contain a high voltage supply. Other features on the scaling unit are: scale selection, and preset count, as well as provision for external pre-amplification. Also included are Model RM1: Portable battery operated, very light weight survey meter, containing variable high voltage supply used in surveying for alpha, beta, and gamma radiation; Model GM1W: Geiger Tubes—series of mica end window tubes ranging in thickness from 0.7 mg. per square cm. and up, window diameter 1½"; Model GM1N: Similar to GM1W, except for smaller window area—10/16", used with portable lead shield for directional detection; and Accessories: Lead shields, sample holders, probes, etc.

**Pfaltz & Bauer, Inc. (Booth 56).** Pfaltz & Bauer, Inc., Empire State Building, New York, New York, were established in 1900 and since have been an important supplier of scientific instruments and chemicals to laboratories in the educational and industrial field. This firm has been a distributor of Beckman Instruments since 1936—carrying a complete stock of control instruments produced by the National Technical Laboratories, maintaining a well-equipped service department for the scientists' immediate needs. They are sole agents for an important manufacturer of Projection Reading Balances of the Macro and Micro Types as well as Polarimeters, Phase-Contrast Microscopes, Microtomes, etc. Pfaltz & Bauer are also manufacturers of Photo-Electric Instruments—the first to develop the Fluorophotometer for vitamin assays which today is being used by every important laboratory doing this type of work throughout the world. All of these and other instruments will be on display. Their shops are well equipped for development work and they respectfully solicit your valued inquiries.

**Philosophical Library (Booth 57).** The Philosophical Library exhibit will consist of a series of their publications (books).

**Prentice-Hall, Inc. (Booth 15).** Visitors to the Annual Science Exposition are invited to examine the books on display at the Prentice-Hall booth. Some of the books on display will be the following new titles and revisions: *Organic chemistry: Brief course* by Ray Q. Brewster; *Life science*, 4th edition by Max W. de Laubenfels; *Introduction to psychopathology* by Lawrence O'Kelly; *Children with mental and physical handicaps* by J. E. Wallace Wallin; *Basic theories of physics* by Peter G. Bergmann; and *Structure and development of the vertebrates* by Florence Moog.

**The Rayoscope (Booth 30).** The Rayoscope exhibit this year will consist of the regular De Luxe Rayoscope—a microprojector—together with special models of the unit which have been developed especially for use with polarized light phenomena as well as many other specific uses. There will be offered a special circular rotatable



and centerable stage which has degrees of rotation marked so that amount of rotation can be easily determined. This stage has a separate centering bearing and rotating bearing. There will be exhibited a special model of the Rayoscope which uses its own screen on which images may be projected and various methods of measurement done with ease. Of course there will be the striking projection of live materials and life processes such as circulation of blood and heart beat. The Rayoscope has now been developed to the point where it is fool-proof and easily operated. This, together with portability, durability, absence of bothersome adjustments and servicing, makes the unit a worthwhile addition to any laboratory where an ordinary microscope is used. Look for the booth with the Neon Sign, "RAYOSCOPE." Meet us there.

**Rinehart & Company, Inc. (Booth 20).** Rinehart & Company, Inc., publishers, are represented by a display of outstanding texts in chemistry, physics, mathematics, psychology, education, and anthropology. The display also includes a number of technical and radio books published under the imprint of Murray Hill Books, Inc., a subsidiary of Rinehart. Visitors are cordially invited to examine these books at Booth 20, Annual Science Exposition.

**The Ronald Press Company (Booth 84).** Representatives of The Ronald Press Company will be on hand to welcome visitors to its booth in the Annual Science Exposition at the Hotel Statler. The display will include a varied selection of books on the biological and physical sciences, mathematics, engineering, psychology, and related fields. Information about important publications to be issued during 1950 will be available to the visitors.

**W. B. Saunders Company (Booth 1).** W. B. Saunders Company, Philadelphia, cordially invites you to visit its exhibit booth where you may examine select books in the biological sciences, chemistry, health, medicine, and surgery. Among the newer texts are *The vertebrate body* by Alfred S. Romer; *Principles of animal ecology* by Allee, Emerson, Park, Park and Schmidt; *College zoology* by Hunter and Hunter; *Principles of organic chemistry* by John L. Abernethy; *Theory and practice of quantitative analysis* by Clark, Nash and Fischer; *General endocrinology* by C. Donnell Turner; and *General cytology* by De Robertis, Nowinski, and Saez. Also on display are the new revised editions of the standard texts, *Fundamentals of bacteriology* by Martin Frobisher, Jr.; *Fulton's Textbook of physiology*; *Jordan-Burrows' Textbook of bacteriology*; *Clinical biochemistry* by Cantarow and Trumper; and *Public health and hygiene* by Bolduan and Bolduan; and many other outstanding texts and reference books. Saunders' representatives present are Tyler Buchenau, Clarence Wheeler, James Hughes, Paul Schneider, E. E. Holland, and E. R. Zieber.

**Schwarz Laboratories, Inc. (Booth 43).** Schwarz Laboratories, Inc. of 202 East 44th Street, New York, New York, consulting chemists and manufacturers of fine chemicals and chemotherapeutic agents, will exhibit samples of their products. Included will be their well-known

yeast nucleic acid and derivatives, as well as other biochemicals useful in research and clinical investigations. Recently added chemicals, such as malononitrile, desoxyribonucleic acid, adenosine-5-phosphoric acid, and the new phosphorylated sugar compounds, barium phosphoglyceric acid, fructose-6-phosphate, and glucose-1-phosphate will also be displayed. Any requirements for Schwarz fine chemicals, as well as technical information, will gladly be discussed by our representatives. Our services for problems in food technology will be offered and details given as requested.

**Science Library (Booths 73 and 74).** The Science Library is administered by the AAAS as an additional service to publishers of books, both exhibitors and non-exhibitors. It has become an integral part of each year's Annual Science Exposition. In the Science Library, books of all publishers are *grouped by fields of science*, a convenience both to the visitor who is restricting his inspection of books to one category—and to the one who wishes to browse. Among the publishers represented in the Science Library are:

AMERICAN ASSOCIATION  
FOR THE ADVANCEMENT  
OF SCIENCE  
ACADEMIC PRESS, INC.  
ANNUAL REVIEWS, INC.  
APPLETON-CENTURY-  
CROFTS, INC.  
BLAKISTON COMPANY  
BURGESS PUBLISHING  
COMPANY  
CAMBRIDGE UNIVERSITY  
PRESS  
CHEMICAL EDUCATION  
PUBLISHING Co.  
CHEMICAL PUBLISHING  
COMPANY, INC.  
COLUMBIA UNIVERSITY  
PRESS  
COMSTOCK PUBLISHING  
COMPANY  
CRANBROOK INSTITUTE OF  
SCIENCE  
DODD, MEAD & COMPANY  
THOMAS Y. CROWELL  
COMPANY  
W. H. FREEMAN &  
COMPANY  
GARLAN PUBLICATIONS  
HARPER & BROTHERS,  
PUBLISHERS  
HARVARD UNIVERSITY  
PRESS  
D. C. HEATH & COMPANY

HENRY HOLT AND COM-  
PANY, INC.  
HOUGHTON MIFFLIN  
COMPANY  
IOWA STATE COLLEGE PRESS  
ISLAND PRESS COOPERATIVE,  
INC.  
LEA & FEBIGER  
J. B. LIPPINCOTT COMPANY  
THE MACMILLAN COMPANY  
MCKNIGHT and MCKNIGHT  
C. V. MOSBY COMPANY  
NEW YORK ASSOCIATION OF  
BIOLOGICAL SCIENCE  
THOMAS NELSON AND SONS  
OXFORD UNIVERSITY PRESS  
PHILOSOPHICAL LIBRARY  
PITMAN PUBLISHING  
CORPORATION  
REINHOLD PUBLISHING  
COMPANY  
RINEHART & COMPANY  
SCOTT, FORESMAN AND  
COMPANY  
STANFORD UNIVERSITY  
PRESS  
CHARLES C. THOMAS  
FREDERICK UNGAR PUB-  
LISHING Co.  
UNIVERSITY OF CHICAGO  
PRESS  
Viking Press  
JOHN WILEY & SONS, INC.  
YEAR BOOK PUBLISHERS

**Scientific American (Booth 79A).** *Scientific American*: An entirely new monthly magazine of the sciences, published under the 105-year-old name. Original articles by workers in all branches of science. Addressed to scientists, engineers, physicians, and to interested and edu-

ated laymen. The Editors will be available for consultation during the convention. Inquire at booth or telephone LOngacre 4-0330. Orders will be accepted at the booth for reprints, back issues, and new subscriptions. Address mail inquiries to The Editors, *Scientific American*, 24 West 40th Street, New York 18, N. Y.

**Ivan Sorvall, Inc. (Booth 82).** The exhibit of Ivan Sorvall, Inc., will feature chiefly the Servall Angle Centrifuges, of which many variations will be on display. This company has pioneered the use of the angle principle in centrifugation, first introduced to laboratories in 1929, thus paving the way for the further development of high speed centrifuges. Present models range from a small clinical machine, carrying ten 15-cc. tubes, to a large capacity machine for four 500-cc. bottles. Of particular interest is a new vacuum-operated centrifuge of 800-cc. capacity, operated at 16,000 rpm. top speed. All models are available with refrigerators. Also on display is the Sterling Automatic Pipettes, chiefly used for dispensing accurately at a rapid rate small amounts of aqueous solutions, in routine laboratory work. This company also manufactures and distributes the Servall Magnetic Stirrers with new fusiform glass-encased stirring elements, and distributes the Original-Odhner Calculators, claimed to be "the machine to count on"—a handy and low priced calculator for the scientist.

**E. R. Squibb & Sons (Booth 10). Vitamin B<sub>12</sub> Exhibit:** The exhibit will portray the studies which led to the discovery of vitamin B<sub>12</sub>, the development of suitable therapeutic products and the importance of the factor for man and animals. Many investigators working independently after years of experimenting found that liver contained a substance which played an important role for humans, animals, and microorganisms. Before the isolation of this substance, which was named vitamin B<sub>12</sub>, it was called the antipernicious anemia factor as applied to humans, the *Lactobacillus lactis* Dorner (LLD) factor and the animal protein factor (APF). The workers in the three fields contributed heavily to the isolation of the vitamin. Although some of these names may have wider meanings, there appears to be little doubt that vitamin B<sub>12</sub> is an important hematopoietic factor for man and a growth factor for animals and certain microorganisms.

**Sugar Research Foundation, Inc. (Booth 9).** A general selection of Sugar Research Foundation material, scientific reports, and technological information will be available. The Foundation has a number of colored wall charts suitable for primary and secondary general science classes, a strip film on the subject of photosynthesis, and pamphlets on the growth and production of sugar from both cane and beet plants. Sugar Research Foundation sponsors research projects through grants-in-aid to specialists in nutrition, physiology, medicine, dentistry, and biological and organic chemistry. A summary of the six-year program is contained in a directory—*Research in review*.

**Tech Laboratories, Inc. (Booth 83).** The exhibit illustrates the three main lines of instruments manufac-

tured by the Tech Laboratories, Inc., as follows: (A) a falling ball viscosity meter based upon Stokes's Law, and with electronically timed operation; (B) a line of moisture meters for measuring the moisture content of wood, paper, textiles, dried food products, etc.; (C) a new electrocardiograph of greatly improved design. This instrument is available in two distinct models, viz.: one for general practice and the other for research and laboratory work. The instrument uses an oscilloscope and comes with a special camera for taking permanent records.

**The Technicon Company (Booths 2 and 3).** This exhibit will again feature the Technicon Automatic Fraction Collector, a fully automatic machine which collects up to two hundred rigidly controlled samples of predetermined fluid volumes. Also featured will be the new Technicon Microscope Lamp, a radical departure from the time-honored conception of microscope lamp design. This will be of great interest to all serious microscopists. Visitors to the Technicon Booth will also have an opportunity to inspect the Autotechnicon, an automatic tissue-processing machine; the Scopicon, a microscopic projector; and the various Lab-Aid Cabinets for slide filing. The Technicon Automatic Pipette Washer, the Technicon Microslide Dryer, the new, improved Technicon Paraffin Knife, and the Technicon Constant Temperature Water Bath will round out the exhibit of Technicon Laboratory Aids.

**Arthur H. Thomas Company (Booth 68).** On display at the exhibit of the Arthur H. Thomas Company will be: The Miller Kymograph, Small Model (one second contact intervals); Kymograph Miller No. O; Interval Timers (contact intervals one-fifth, one, three, or six seconds) electric motor driven; a Graphic Time Marker; and the Eberbach Electronic Stimulator, a compact, self-contained unit which provides a wide range of repeated, controlled, square wave pulses of fixed duration for physiological and pharmacological experiments and demonstrations.

**Tracerlab, Inc. (Booth 37).** The Tracerlab exhibit will feature the basic instruments required for a radioactivity laboratory, including the various types of scalers such as the Autoscaler, the "64" Scaler and the new "100" Scaler. Radiation survey meters, using both ionization chamber detectors and Geiger tubes will be demonstrated as well as thin mica end window Geiger tubes, all-glass Geiger tubes and beryllium window tubes suitable for counting x-rays. Other equipment including remote pipetting devices, remote handling tongs, lead bricks, film badges, and miscellaneous specialized equipment for the radioactivity laboratory will be on exhibit.

**Triarch Botanical Products and Histoslide Company, Inc. (Booth 77).** Dr. George H. Conant of Triarch Botanical Products, Ripon, Wisconsin, and Dr. J. B. McCormick of Histoslide Company, Inc., Chicago, Illinois, have combined their efforts for the 1949 AAAS Science Annual Exposition. We are presenting a booth that will display the finest prepared microslides for the fields of botany, histology, parasitology, and related sciences. You will find in our booth many new and inter-

esting slides that have been prepared by superior techniques for discriminating teachers. These slides will be demonstrated on standard microscopes at your pleasure and convenience. If you are interested in anatomical and other models as teaching aids in science we would suggest that you stop to see and inspect an entirely new and interesting series of models prepared by the Histo-slide Company, Inc. These models are displayed for the first time and your reaction to them will determine how many additional models will be made available in the future. Dr. Conant and Dr. McCormick look forward to making new friends and renewing acquaintances.

**University Presses (Booths 25 and 26).** Distinguished for authoritative content and excellence of editorial work, the books of university presses claim enviable rank among nonfiction and technical publications. The American Association of University Presses has arranged a cooperative exhibit for your enjoyment at this meeting—and to give you an opportunity to purchase some of the important titles for your library. Books from the following university presses will be displayed: California, Cambridge, Chicago, Columbia, Cornell, Harvard, Illinois, Iowa, Johns Hopkins, Michigan, Oklahoma, Pennsylvania, Princeton, Rutgers, Stanford, Washington, Wisconsin, and Yale.

**D. van Nostrand Company, Inc. (Booth 72).** A collection of the newest Van Nostrand publications in the fields of chemistry, nuclear science, biochemistry, physics, biology, and zoology will be featured. Some of these titles include: *Radioactive tracer techniques* (Schweitzer and Whitney), *Crystals and x-rays* (Lonsdale), *Introduction to biochemistry* (Williams and Beerstecher), *Theory and design of electron beams* (Pierce), *Instrumental methods of analysis* (Willard, Merritt and Dean), *Fundamentals of qualitative chemical analysis* (McAlpine and Soule), *A simplified course in elementary qualitative analysis* (Hartsuch), *Introductory biology* (Stauffer), and *Biology and its relation to mankind* (Winchester). In addition, there will be displayed a general line of standard science texts published by Van Nostrand. The display will be housed in a special new traveling unit which Van Nostrand is using for book exhibits.

**Ward's Natural Science Establishment, Inc. (Booths 40 and 41).** A special feature of the Ward exhibit will be a display of all the new Mueller-Ward and Wilson-Ward models. The new Mueller-Ward models include anatomical-histological models of the liver, kidney, bone, and muscle. The Wilson-Ward line includes models depicting the development of the human face and the development of the human heart. There will also be a complete display of specimens embedded in Ward's Bioplastic. A demonstration of the method of embedding will be made. Other new developments will also be displayed.

**W. M. Welch Manufacturing Company (Booths 61 and 62).** Featured by the W. M. Welch Manufacturing Company—physical, chemical, and biological instruments and teaching aids—will be new mathematics models; atomic structure model; demonstration radio transmitting and receiving panels; demonstration cathode ray; electronic voltage regulator; and Densichron—an electronic light intensity meter. Other instruments include voltmeters, ammeters, wattmeters, and ohmmeters, a-c and d-c, and demonstration equipment for mechanics, heat, electricity, sound, and light. Charts on display include single charts on "Electromagnetic Waves," "Periodic Table," "Atomic Structure," "Organic Chemistry," and "Isotopes"; and sets of charts for teaching botany, zoology, physiology, aeronautics, and physics.

**John Wiley & Sons, Inc. (Booth 6).** John Wiley & Sons, Inc., New York, scientific and technical book publishers, is displaying in Booth 6 a comprehensive collection of recent and standard books in various fields of pure and applied science. While stress will be placed on 1949 books, Wiley plans to show a full range of titles which have earned recognition as outstanding texts, manuals, handbooks, or other works of reference. Many of these will be found in new, revised editions. Fields of interest covered include aeronautics, agriculture, anthropology, astronomy, the biological sciences, chemistry, education, the earth sciences, mathematics, public health, physics, psychology, social and political science, and business. Examples of the Wiley visual aids program will be a special feature of the exhibit.

