

can support and creates the serious hurdle of obtaining recognition of a new Cabinet post. It is safe to conclude that none of the science legislation currently before the House will prove competitive; but, on the other hand, there is reason to believe that the Representatives are more interested in economy than they are in the support of science. There has been comparatively little opportunity for members of the House to familiarize themselves with the thinking that has gone into the Kilgore-Magnuson Bill, and it is clear that an important job of education lies ahead and that the scientists are best qualified to undertake it.

At a time when our allies in the late war are giving generous support to science, and when American

science has lost 100,000 or more recruits in scientific research through the operation of Selective Service, it is appropriate to endorse and actively to support legislation which is designed to supplement the contributions which our industries and our educational institutions are making to scientific research. A Senator or a Representative can take intelligent action only when he is informed of the action his constituents want him to take. A resolution gets some attention, a letter from an individual is more informative, a telegram is somewhat better than a letter, but a personal call on his Senator now or his Representative a little later is the best way that an individual scientist can take positive action to ensure the passage of the Kilgore-Magnuson Bill, S. 1850.

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## *Science Exhibition*

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### Kiel Memorial Hall, St. Louis

27-30 March 1946

Now that Association meetings are again being held, it is possible to resume the important and interesting Science Exhibition. The Exhibition, which has long been an integral part of the meetings, will be housed in the Auditorium, located on Market Street between 14th and 15th Streets. The building is conveniently located with respect to the meetings of the various sections, which will be held in nearby hotels.

The same high standards in effect during prewar years have been maintained for this year's Exhibition, and we wish to express our appreciation for the cooperation we have received from the exhibitors who have helped to

make possible this feature, which all of the members find most useful.

Some institutions and concerns who have recently decided to take part in the Exhibition were not able to send descriptive material for publication at the early date that this issue of *Science* went to press. It is our hope, however, that it will be possible to have available complete information which may be obtained at the Registration Desk to be located in the center of the Exhibition area.

At our request, the exhibitors have furnished us with the following descriptions of their exhibits:

#### **A. S. Aloe Company**

St. Louis, Missouri  
Booth Nos. 60-61

A display of new and essential apparatus, particularly for the biological sciences, includes recent handmade micro-tome knives of the double hollow ground design, a new series of micro-dissection instruments, and dehydration apparatus for small batch processing. Suggestions and recommendations for the development of new laboratory instruments will be discussed with those interested at our booth.

Guests at the Science Exhibition are cordially invited to visit our new building located at Nineteenth and Olive Streets. Among the many new facilities are a modern show room where new apparatus may be thoroughly examined and also a modern chemical laboratory, complete with laboratory furniture and equipment in our display.

#### **American Medical Association**

Chicago, Illinois  
Booth Nos. 38-39

This exhibit shows the significance of the work of the Council on Physical Medicine and the Council on Pharmacy and Chemistry in the investigation of products intended for therapeutic purposes and the interpretation of these efforts from the standpoint of human welfare.

#### **American Optical Company**

Buffalo, New York  
Booth Nos. 153-154

The Scientific Instrument Division of American Optical Company, formerly Spencer Lens Company, will exhibit: the new Phase Microscope, a recent research development; a new Metallurgical Microscope with Vertical Illuminator; and a Polarizing Microscope in which Polaroid of optical quality replaces calcite. Other stand-

ard microscopes and instruments of the well-known Spencer quality will be on hand. Messrs. J. J. Host, W. E. Folland, G. W. Frid, J. P. Baker, and C. M. Osborne will be in attendance to discuss any optical questions presented.

**The Blakiston Company**  
Philadelphia, Pennsylvania  
Booth No. 63

The Blakiston Company have prepared an attractive exhibit of their textbooks and reference works. Important new texts in the undergraduate sciences will be announced. Every science teacher will be interested in the new Hackh-Grant's *Chemical dictionary*, reprinted with changes and additions to include the latest data, among which is considerable material on atom structure, fission, disintegration, and the resulting nuclei. Other authentic Blakiston books of timely interest are Stranathan's *The "particles" of modern physics*; Hector, Lein, and Scouten's *Electronic physics*; *The Harvard books on astronomy*, edited by Dr. Harlow Shapley and Dr. Bart J. Bok, Harvard College Observatory; *Handbook of microscopical characteristics of tissues and organs*, by Karl A. Stiles—an outline course which is finding ever-widening favor among teachers of biology interested in identification studies. Chemistry teachers will also be interested in the new edition of Pregl's *Quantitative organic microanalysis*, revised and edited by Dr. Julius Grant. Textbooks for full-term, semester, or briefer courses in the fields of chemistry, physics, and the biological sciences will be on display. Teachers are invited to discuss any textbook problems or matters pertaining to new manuscripts with the Blakiston representatives at the booth. Those in charge will be T. A. Phillips, H. W. Fry, J. B. Lackey, and J. Losacco.

**The Jaques Cattell Press**  
Lancaster, Pennsylvania  
Booth No. 149

The Jaques Cattell Press has been organized now for 5 years and this is the first opportunity it has had to really show what it has planned to do in the way of publishing authoritative scientific books of a nontechnical character. We have had a great deal of encouragement in scientific circles, and feel that we are accomplishing what we set out to do. We have published 50 volumes, but there is much important material to be written and published, and we hope to encourage more manuscripts to be written. We shall exhibit the books which we have published, samples of the circulars which we get out. We shall discuss with authors who are interested in our plans for the future on circularization and methods of distribution. There will be contained in this exhibit the 3 directories edited by Jaques Cattell: *American men of science*, *Leaders in education*, and *Biographical directory of American scholars*. Also a new company will show one or two books, called the Heck-Cattell Publishing Company, which will in the main specialize in textbooks, plans for which can be discussed

at our booth. Attendants at the booth will be Mr. Jaques Cattell and Mrs. Ruth H. Little.

**Chicago Apparatus Company**  
Chicago, Illinois  
Booth No. 97

This organization, manufacturer of physics equipment for use in elementary schools, high schools, and colleges, has been in business continuously under the same management since 1908. The company is planning to exhibit a number of new items of equipment and improvements over classic models. Special attention will be given to an improved model of Singerman's Color Apparatus, which should prove of interest to those working with color and light. The display will also include a number of items for the chemist: a new water bath, a Barnstead Demineralizer, analytical balances, the justly popular Lindberg Engineering line of heating equipment, and the new Precision Flask Heater. The exhibit is expected to be manned continuously by at least two men from the Chicago Office who will be prepared to discuss any questions regarding the equipment. Catalogues and other literature covering complete lines of all standard brands of laboratory equipment will also be available.

**The University of Chicago Press**  
Chicago, Illinois  
Booth No. 43

There will be a cooperative exhibit of scientific books from 18 University Presses. Participating Presses are: University of California, Chicago, Collegiate Press (Ames, Iowa), Columbia, Cornell, Duke, Harvard, Johns Hopkins, Michigan, Minnesota, Oklahoma, Oxford, Princeton, Rutgers, Stanford, Washington (Seattle), Wisconsin, and Yale. Mrs. L. B. Shuler and Miss Shirley Freshman, of the University of Chicago Press, will be exhibitors.

**Clay-Adams Company, Inc.**  
New York, New York  
Booth Nos. 155-156

The Clay-Adams Company, Inc., exhibit will include particularly displays of various groups of Medichrome Slides on tropical medicine, normal histology, ophthalmology, and other selected subjects. There will be other Kodachrome items such as S V E, Spencer, and TDC Projectors, Kodachrome view boxes, and cabinets. The laboratory items will include centrifuges, hematology equipment, and other material of interest to physiologists, anatomists, etc. The third group of items will include teaching material such as anatomical charts, mounted skeleton, demonstration skull, etc.

**The Coleman and Bell Company**  
Norwood, Ohio  
Booth No. 68

The exhibit of The Coleman and Bell Company, Manufacturing Chemists, will feature a display of laboratory reagents, including inorganic and organic chemicals, bio-

logical stains, chemical indicators, and solutions. A number of new items developed during the war will be shown.

### **Thomas Y. Crowell Company**

New York, New York

Booth No. 62

A comprehensive showing of college textbooks will be seen in the Thomas Y. Crowell exhibit. It will include a full selection of books from their college list in the fields of chemistry, political science, geography, sociology, economics, and business administration. Chemistry books will be featured at the exhibit, and along with already published texts in this field the Crowell Company plans to have dummies and possibly proofs of four new chemistry texts available for inspection. These books—*Basic college chemistry*, by Joseph A. Babor; *Semimicro qualitative organic analysis*, by Nicholas D. Cheronis and John B. Entrikin; *Physical chemistry*, by Herschel Hunt; and *First year qualitative analysis*, by Carl J. Likes and Aubrey E. Harvey—are now in preparation and will be available for use next fall.

### **Denoyer-Geppert Company**

Chicago, Illinois

Booth Nos. 46-47

The Denoyer-Geppert exhibit consists of Visual Teaching Aids for the biological sciences. A large selection of wall charts in the fields of anatomy, botany, and zoology; models of human and animal anatomy and plant morphology; Kodachrome slides concerning the science field; human and animal skeletons; museum mounts for zoology and botany; astronomical globes; meteorology charts; and many other items will be shown. Most of these materials are manufactured or prepared in the company's plant in Chicago. This organization is prepared to help plan a coordinated set of Teaching Aids for any course or department so that a maximum of teaching value can be obtained for a minimum of cost. Teachers are invited to discuss their Visual Teaching Aid problems with representatives attending the exhibit.

### **Eastman Kodak Company**

Rochester, New York

Booth Nos. 53-54

The theme of the Eastman Kodak Company exhibit will be "Functional Photography"—spectrographic analysis, electron microscopy, microradiography, X-ray diffraction, stress analysis, instrument recording, photo layout, training films, and photographic copying papers. A great variety of photographic equipment and materials—paper, film, and chemicals—used for scientific research will be part of the exhibit, and will be available for examination and discussion. *Functional photography*, a 20-page booklet, will be distributed, and literature describing the application and technique of many of the scientific uses of photographic material will be available. Examples showing the result of the use of photographic materials in scientific research will be displayed in the

exhibit and will indicate to some extent the many possibilities for applying photographic principles to scientific problems. Time spent at the Kodak "Functional Photography" exhibit reviewing the many examples of photography, other than the more elementary uses, will be time well spent. Special Kodak representatives will be in attendance to serve you.

### **J. W. Edwards, Publisher, and Edwards Brothers, Inc.**

Ann Arbor, Michigan

Booth No. 98

This exhibit features the reprints of basic scientific and technical books and periodicals originally published in Germany during the war. The J. W. Edwards Catalog No. 5, available at the exhibit space, lists some 500 such books republished by license of the U. S. Office of Alien Property Custodian. Examples of the facsimile reprints of 137 foreign scientific and technical periodicals published abroad during the war years (1939-40 to date) will be on display. A catalog will be distributed. In addition, examples of Edwards Brothers, Inc., education and industrial printing are to be shown and will be represented by samples of preliminary class texts, laboratory manuals, etc., and by parts of manuals and similar industrial publications. The space is to be identified by a large photo montage of industrial scenes keyed to the scientific and technical materials on display. The manner in which these important enemy research books and periodicals have been placed in the hands of American scientists will be graphically portrayed by another part of the exhibit. The Edwards representatives in attendance are prepared to discuss the materials offered and to take orders for desired books and periodicals.

### **The Encyclopaedia Britannica**

Chicago, Illinois

Booth No. 66

A simulated classroom, with periodic showing of classroom films on a screen, will form the exhibit of Encyclopaedia Britannica Films. A scale model of a teacher and four "model" children sitting in schoolroom chairs makes up a prominent part of the exhibit, which has been designed to show Association members how classroom films should be used in educating students. The screen itself will be hung on the rear wall of the classroom. In front of it will be a blackboard and a painting of the teacher's desk, while the teacher will stand beside the board as though instructing the pupils. Films to be shown in the exhibit will be 16-mm. sound Encyclopaedia Britannica classroom films, which consist of some 500 different subjects designed to provide audiovisual instruction to students from first grade through college. Films for science courses and social sciences make up the bulk of the different subjects covered by the classroom motion pictures produced by Encyclopaedia Britannica Films in cooperation with leading educators of many principal American universities and colleges.

### Fordham University Press

New York, New York  
Booth No. 37

Fordham University Press is devoted to the publication of textbooks at the college level and of general works in the fields of literature and the arts. A representative selection from the entire active list is displayed. Among these a featured item is *College physics*, an undergraduate text in both classical and modern physics. The chapters on atomic fission are up to date and thorough. There is also emphasis on the needs of premedical and pre-engineering students. Also featured is *Fact and fiction in modern science*. This investigation of modern science research has had four printings in Eire, two in the United States, and is being translated into several foreign languages.

### Gamma Instrument Company, Inc.

New York, New York  
Booth No. 44

The exhibit of the Gamma Instrument Company, Inc., will feature a few of the scientific apparatus which this company has introduced during the past few years. Foremost among them will be the Gamma Automatic pH Meter. This is a unique development incorporating the latest achievements of electronic design. It combines great accuracy with extremely simple operation. Another new Gamma development is the Microflex Photomicrographic Camera, which employs for the first time the mirror reflex principle in an independent camera for microphotographic purposes.

### General Biological Supply House

Chicago, Illinois  
Booth No. 45

This year the General Biological Supply House will feature two new items and exhibit many which have been revised or supplemented, as well as some already familiar materials. One of the exhibits especially to be featured will be water-clear plastic blocks in which biological specimens are embedded. Sponges, echinoderms, arthropods, embryos (such as the pig), and small skulls have all been so mounted. These blocks can be roughly handled, are light in weight, and without special care will be excellent demonstrations for years. Orders can be sent in for the embedding of either your own or our specimens. Our second special demonstration is a blood-typing kit which provides a simple and very quick method for the student to observe and type his own blood. Powder, and not serum, is used. This powder, aside from being less expensive, makes the typing much easier and gives a definitive test in one minute. This kit will be demonstrated at our booth. Kodachromes covering many biological fields will be projected for inspection. Microscope slides from diatoms to whitefish will be visible by microprojection and microscope. Copies of our publication, *Living specimens in the school laboratory*, will be on display, as well as new editions of our *Bacteriology* and *Microscopy* booklets.

### Gradwohl Laboratories

St. Louis, Missouri  
Booth No. 71

This exhibit will show facts regarding blood-grouping sera, particularly the Rh factor. These laboratories are prepared to furnish the following: 1) tested laboratory reagents, 2) a monthly digest of laboratory literature, and 3) training school for laboratory technicians. Full literature will be furnished at the booth.

### The Graf-Apsco Company

Chicago, Illinois  
Booth No. 110

An outstanding example of what can be done in rebuilding used equipment is demonstrated in the exhibit of the Graf-Apsco Company. Here are shown microscopes from the simplest to the most complete research models. Rebuilding microscopes is also a highly specialized feature of this firm. See what can be done in restoring preciseness to otherwise expensive worn-out equipment. The Graf-Apsco Company is the originator of rebuilt microscopes in America. Its excellent service in restoring and prolonging the life of microscopes and microtomes is unchallenged over the years. Also in the exhibit are dissecting instruments and other essentials in the teaching of biology.

### W. A. Hammond Drierite Company

Xenia, Ohio  
Booth No. 145

Our exhibit will illustrate many applications for Drierite, the desiccant used in industry, commerce, laboratory, and the home for drying solids, liquids, and gases. Samples of Regulate Drierite, Du-Cal Drierite, Indicating Drierite, and Moulded Drierite will be on display. The color change from blue to red which takes place in Indicating Drierite on absorbing moisture will be demonstrated. Various containers charged with Drierite and used for drying closed compartments, chemical balances, refrigerants, dual window spaces, home closets, and basements may be inspected. Photos and data will be available to illustrate industrial twin-tower drying installations for drying air, gases, and organic liquids. Also exhibited will be a Cryochem apparatus used for dehydrating biological serums without injury, the Anhydrostil—a convenient laboratory and production device for drying organic liquids in the vapor phase, and a portable unit combining blower and Drierite cartridges to make dry air readily available at scattered locations as needed. Dr. W. A. Hammond and Mr. J. L. Ledeen will be at the booth to offer technical assistance to visitors.

### Laboratory Equipment Corporation

Benton Harbor, Michigan  
Booth No. 122

The exhibit will consist of a power unit, and combustion furnace capable of attaining a temperature of

3,000° F. This furnace was especially designed to give economical performance at a continuous operating temperature of 2,600 to 2,700° F., this being the required temperature for combusting of samples in the new sulphur analysis method as described by A.S.T.M. In conjunction with the combustion furnace, the sulphur-determining apparatus, capable of giving a 3-minute sulphur determination of irons and steels, will be displayed. Having introduced and developed the Volumetric Carbon Determinator in this country, we are also showing the very latest 2-minute Carbon Determinator. Samples of lamp-blown glassware will be displayed, and certain ceramic parts used in metallurgical analyses will be shown as examples of the type of glassware and ceramic parts this company is capable of manufacturing for the trade.

### The Macmillan Company

New York, New York  
Booth Nos. 143-144

The book exhibit sponsored by the Macmillan Company consists of approximately 700 titles, including publications of the Cambridge University Press. 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. Representatives of the Macmillan Company at this exhibit are Mr. J. B. Bennett, Jr., Mr. Tyler Buchenau, Mr. J. G. Case, Mr. Sidney R. Crawford, II, Mr. Frank A. Driskill, and Mr. Joseph G. Sutton, Jr.

### McGraw-Hill Book Company, Inc.

New York, New York  
Booth Nos. 157-158

In the McGraw-Hill exhibit you will find several hundred texts and reference books representative of our publishing programs in virtually all fields of science, engineering, and technology. Many of these books are new publications, constituting the most up-to-date and authoritative texts available and frequently reflecting recent advances resulting from wartime experience. In addition to these latest contributions, the exhibit contains many revisions of standard texts, handbooks, manuals, and other important contributions to the literature of various fields which will be of vital interest to teachers, research workers, and technicians. The following members of the McGraw-Hill Book Company staff will be in attendance: Curtis G. Benjamin, vice-president in charge of the Educational Division; Harry P. Graves, vice-president and manager of the College Department; Edward E. Booher, vice-president in charge of Technical and

Business Education, and School Departments; and Kenneth B. Demaree, editor, Physical and Natural Sciences.

### G. & C. Merriam Company

Springfield, Massachusetts  
Booth No. 151

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* (2nd ed.), Webster's *Collegiate dictionary* (5th ed.), Webster's *Dictionary of synonyms*, and Webster's *Biographical dictionary*. In addition, there will be displayed for distribution copies of various pamphlet material dealing with the instruction in, and the use of, the various books mentioned above. Souvenirs will be provided.

### The C. V. Mosby Company

St. Louis, Missouri  
Booth No. 121

The C. V. Mosby Company, scientific publishers, will exhibit a diversified line of publications. All parties attending the St. Louis meeting are cordially invited to look over the Mosby books and browse through our publications. Courteous attendants will be available to assist. Among the newer publications to be displayed will be the following: Kleiner's *Human biochemistry*, Main's *Synopsis of physiology*, Hoskins-Bevelander's *Essentials of histology*, Arnow-Reitz's *Organic and biological chemistry*, and Dougherty-Lamberti's *Textbook of bacteriology and immunology*.

### National Geographic Society

Washington, D. C.  
Booth Nos. 58-59

The National Geographic Society's exhibit presents a backdrop display of maps, supplements of the *National Geographic Magazine*, and striking natural color photographs from the latter, projected by an automatic slide machine. Among the maps shown will be copies of charts similar to those which played an important role in winning World War II. Several million of the Society's charts were used by United Nations Armed Forces from the Pentagon at Washington to the battlefields of the European and southern Pacific theaters. On two occasions, the Society records, members of our forces navigated long distances to safety with National Geographic maps their only guides.

### National Research Corporation

Boston, Massachusetts  
Booth No. 84

The Alphanon Vacuum Gauge, operating by the ionizing power of alpha particles from a radium source, measures pressure of any gas or mixture from 0-10 mm. of Hg with linear response. Sensitive and accurate in reading, but durable and simple for industrial use, this gauge, just released from the development laboratories of National Research Corporation, covers an important

pressure interval which has not been adequately gauged heretofore. A working model demonstrates the action of the gauge, and a cutaway model shows the simple construction and principle of operation. Another item in the exhibit is a packaged pumping and gauging system capable of producing a vacuum of approximately .000001 mm. of Hg in an 18-in. bell jar. This piece of equipment was developed for evaporating low-reflective magnesium fluoride coatings on optical elements and metallic reflective coatings on glass and plastics. By a revision of the accessories mounted on the baseplate, the evaporator becomes a versatile laboratory tool for electronic research. Introduction into the evacuated chamber of electric currents, high voltages, liquids or gases, and controllable motion through specially designed seals gives the experimenter or tube designer an opportunity to work with continuous and measurable variables. Other items on display will be thermocouple and ionization gauges and controls and a 2-in. all-metal diffusion pump.

**Purdue University**  
Lafayette, Indiana  
Booth No. 41

This exhibit will feature germanium semi-conductors and crystal rectifiers (results obtained in connection with and under Contract OEMsr-362, Office of Scientific Research and Development; Purdue Research Foundation case No. 184). Various samples of germanium semi-conductors with widely different electrical properties, such as resistivity and thermoelectric power, will be exhibited. Different types of crystal rectifiers made from these materials—low and high frequencies and high back-voltage rectifiers—will be exhibited and their characteristics demonstrated with the aid of oscillographs. The change of contact properties of crystal rectifier contact under the action of heat and light will also be shown. This exhibit will be accompanied by charts illustrating the fundamental electrical properties of semi-conductors as a function of impurity content.

**W. B. Saunders Company**  
Philadelphia, Pennsylvania  
Booth No. 67

The exhibit includes a complete line of textbooks and reference books dealing with the medical and biological sciences. Of special interest are the following new books: Herrell's *Penicillin*, Mackie, Hunter, and Worth's *Tropical medicine*, Ash and Spitz's *Pathology of tropical diseases*, Masserman's *Principles of dynamic psychiatry*, Cantarow and Trumper's *Clinical biochemistry*, Olson's *Prevention, emergencies and first aid*; and the new editions of Marshall's *An introduction to human anatomy*, Greaves' *Elementary bacteriology*, Frobisher's *The fundamentals of bacteriology*, Millard and King's *Human anatomy and physiology*, Howell's *Textbook of physiology*, and Jordan and Burrows' *Textbook of bacteriology*. The representatives present during the convention are: Messrs. John A. Behnke, O. G. Enstrom, Paul E. Koerfer, Walter S. McKay, H. M. Cook, and A. M. Greene.

**The Science Press Printing Company**  
Lancaster, Pennsylvania  
Booth No. 150

The Science Press Printing Company prints about 40 scientific journals, and will have copies of these on exhibit, not only to show the extent of the work of The Science Press Printing Company, but to make it sort of a headquarters for our Editors who are welcome to use our booth at any time. We print many books as well as periodicals and they also will show the printing which emanates from the press. While The Science Press Printing Company has many more journals offered for publication than can be accepted we shall be glad to discuss and be of service to anyone attending the meeting in regard to their printing problems with a view to eventually working with them on printing a journal or book. The Science Press Printing Company during the war period succeeded in keeping a fairly regular schedule. We feel confident for the future because we know the Editors which we are dealing with have complete confidence in our knowledge of the importance of the scientific printed matter. We hope that we can continue to serve science by the printed word for many years to come. Attendants at the booth will be Mr. Jaques Cattell, our president, and one of his printing assistants.

**Sparkler Manufacturing Company**  
Mundelein, Illinois  
Booth No. 146

Sparkler Manufacturing Company will exhibit a Laboratory Model Horizontal Plate Filter in operation. The model has sidewalls of glass and visibly demonstrates the efficiency and ease of Horizontal Plate filtration. Also on display, but not in operation, is a stainless steel Laboratory Filter, in standard construction, mounted with pump and motor on a portable stand with ball-bearing casters.

**Statham Laboratories**  
Los Angeles, California  
Booth No. 133

The exhibit of Statham Laboratories is designed to bring to the attention of scientists the properties of Statham instruments. The Statham Gage is an unbonded strain gage which is capable of measuring deflections as minute as 0.000008" and force changes as small as 0.02 oz. This is accomplished without need for expensive electronic equipment. In the simplest case, a flashlight battery, a Statham Gage, and a microammeter are all the equipment required. It will be obvious to the trained worker how such equipment may be incorporated with advantage in research apparatus such as, for instance, dilatometers. The high sensitivity and stability of the Statham Gage enable its incorporation into other instruments which also will be shown. The Statham Accelerometer can measure acceleration with full score range as small as  $\pm 2$  g or as great as  $\pm 200$  g. The output is sufficient for direct operation of recording equipment without need for electronic amplifiers. The Stat-

ham Pressure Pickup enables remote indication or recording of liquid or gas pressures over ranges of pressures as small as  $\pm 2$  in. of water or as great 0–10,000 lbs. per square inch.

### The Technicon Company

New York, New York  
Booth Nos. 64–65

The Scopicon is a unique microslide projection apparatus embodying several innovations which endow it with extraordinary versatility. For small-group study or consultation, it is used in conjunction with a table-mounted dark chamber fitted with 10 viewing hoods. The magnified image is then projected upon a viewing platen housed within the dark chamber. For auditorium or classroom demonstrations, the Scopicon projector unit may be quickly uncoupled from the table and employed for wall-screen projection, achieving brilliantly and evenly-lit images six feet or larger across, even under oil-immersed microscopic powers. This remarkable magnification and even illumination rise from the utilization of a high-pressure mercury-arc light source and a highly efficient optical system. Accessory devices quickly adapt the Scopicon for microphotography. The Autotechnicon is an instrument which automatically processes tissues. All steps in the processing sequence—fixation, washing, dehydration, clearing, infiltration, and staining—are performed according to the requirements of any elected techniques. Fully automatic operation assures unvaryingly uniform results. The Technicon "Lab-aid" filing cabinet has interchangeable drawers for filing either 1- or 2-in. microslides, Kodachromes, transparencies, cards, and up to  $4\frac{1}{4}$ -in. lantern slides. The single-bank drawers, moving on smooth-tracking rails, provide the ultimate answer to the pathologist's filing problem. The Technicon Company will also exhibit their Constant Temperature Water Bath and the Technicon Pipette Washer.

### United States Public Health Service

Atlanta, Georgia  
Booth No. 129

This exhibit is divided into two units. The first of these consists of seven display cabinets containing a series of sixty-three 8 in.  $\times$  10 in. colored transparencies depicting the life cycle, geographic distribution, pathology, symptomatology, treatment, and diagnosis of Schistosomiasis. These transparencies are excerpts which have been taken from a more complete film strip about this infection. The adjoining section of the exhibit consists of a projection booth provided with seats, in which three colored-film strips with accompanying recorded descriptive narrations will be shown. These are entitled "Schistosomiasis," "The Laboratory Diagnosis of Schistosomiasis," and "The Identification of the Female Anophelines of the U. S." and will be shown at the convenience of the viewers. The film strips and recordings are being offered to all interested individuals and institutions as aids in the teaching of parasitic diseases. Since this is a relatively new device in the field of parasitology, all comments and criticisms concerning

such audiovisual materials will be most helpful in attempting to evaluate them.

### Ward's Natural Science Establishment, Inc.

Rochester, New York  
Booth No. 69

Ward's Natural Science exhibit will include the Mueller-Ward models of Frog Embryology, Comparative Zoology, Comparative Embryology, and the Wilson-Ward models on the Embryology of the Human Face. Ward's new Plastic Corrosion Preparations will also be on display. These are colored plastic casts of the circulatory system and make a spectacular demonstration. An exhibit of Ward's new Bio-Plastic mounts will also be made. These consist of biological and geological specimens embedded in clear plastic. Ward-Color slides will also be displayed. These are far superior to ordinary Kodachrome duplicates. Other modern teaching materials will be exhibited. A complete set of Ward's catalogues, booklets, and bulletins will be included in the exhibit and members of the staff will be present.

### W. M. Welch Manufacturing Company

Chicago, Illinois  
Booth No. 70

This exhibit will include: scientific instruments and laboratory apparatus for college, university, and research laboratories; teaching apparatus such as Force tables, Boyle's law, photometers, spectrometers, etc.; instruments such as voltmeters, ammeters, galvanometers, resistance boxes, balances, etc.; a complete line of vacuum pumps; biological laboratory equipment such as specimens, mounts, skeletons, charts, etc.; and a complete line of postwar, American-made instruments especially worthy of consideration at this time for planning for GI training courses.

### John Wiley and Sons, Inc.

New York, New York  
Booth No. 147

John Wiley and Sons, Inc., will have for examination over 100 titles of its scientific books in such fields as chemistry, agriculture, biology, geology, geography, mathematics, mineralogy, psychology, physics, astronomy, etc. These books will be on display in the Science Library and in Booth No. 147. The booth exhibit will concentrate largely on the latest Wiley publications of particular interest and significance. Among the new books to be shown will be A. Taylor's *Introduction to X-ray metallography*, the second edition of J. Yarwood's *High vacuum technique*, Harry Barron's *Modern plastics*, and *Electron optics and the electron microscope*, by V. K. Zworykin, G. A. Morton, E. G. Ramberg, J. Hillier, and A. W. Vance. Other prominent new books on display will be Gideon S. Dodds' *Essentials of human embryology*, S. C. Prescott, C. A. Winslow, and M. H. McCrady's *Water bacteriology*, J. D. Forrester's *Principles of field and mining geology*, and many others. Anyone attending the meeting will be welcome to inspect these and other Wiley titles on display.