

## Centennial Membership Record

On display in the Washington office of the Association is a large map started to show the distribution of local committees participating in the membership campaign. To date this graphic record of activities presents a most satisfying picture. Within the past two weeks, 28 new committees have been organized, making a total of 132 local committees which are now engaged in stimulating interest in the Association and its high objectives.

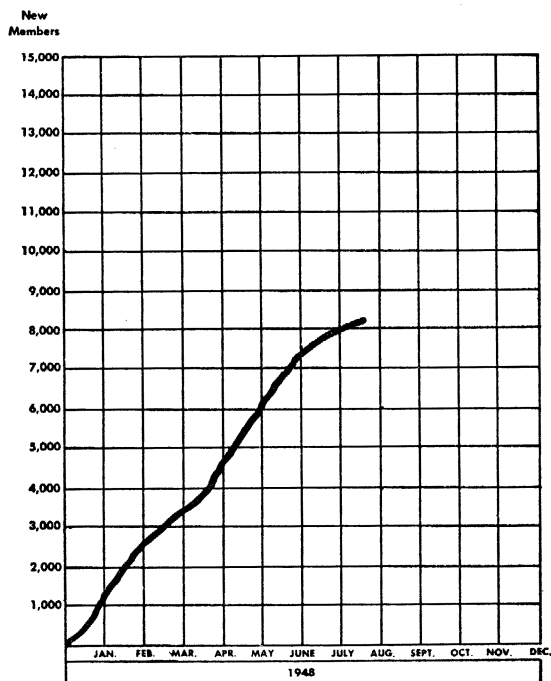


FIG. 1

Since publication of the last campaign report (*Science*, July 9, pp. 31-32) 1,154 additional individuals have joined the AAAS, bringing to more than 8,000 the number of new members who have joined between January 15 and July 15 (Fig. 1).

The total AAAS membership now exceeds 40,000. With continued momentum the Centennial membership goal—15,000 new members in 1948—will be a reality.

William E. Stark, chairman of the local committee in Winter Park, Florida, explains that the most promising source of gaining AAAS members in his area is through the University Club of Winter Park, an adult education society of retired educators, scientists, and representatives of all professions. The Club holds a meeting twice a week at which papers are presented, followed by questions and discussion. Dr. Stark's committee proposes to devote one of these meetings to a discussion of organized science in which the history and present activities of the Association will be explained. Steps are being taken also to obtain the cooperation of other educational and professional groups in the Winter Park vicinity in promoting the objectives of the Association through increased membership.

Monroe J. Hirsch, of the Vision Laboratory, Stanford University, and H. W. Hofstetter, of the Ohio State University School of Optometry, have nominated for AAAS membership all the members of the American Academy of Optometry and proposed the formation of a committee designed to work with the various optometric groups in liaison between these groups and the Association. Both men have signified willingness to serve on such a committee.

J. Francis Hartmann, chairman of the group on the campus of the University of Minnesota, reports that in formal discussions thus far they have agreed that it would be desirable to stir up statewide interest in the Centennial Celebration and in science generally by using all communication outlets at their disposal to bring home to the people the increasingly close relation between science and their everyday affairs. In so doing, they plan to stress the work of the Association and its interest in admitting members who may not be professional scientists but who can benefit from membership.

C. J. Campbell and his colleagues in Detroit, Michigan, are moving in concert to make the Centennial

membership drive a successful one. Dr. Campbell's committee recently forwarded to this office many membership and personnel lists of industrial, scientific, and educational organizations in the Detroit area with the request that each person named be invited to join the AAAS. Quoted below in its entirety is the timely letter written by Dr. Campbell in organizing his membership committee:

An invitation is cordially extended to you to serve on a local membership committee of the American Association for the Advancement of Science. Although the functions of the local groups outlined in the accompanying enclosure are only suggestive, you will note that you are in a preferred position to inform others interested in science about the objectives and general work of the AAAS.

Your willingness to give time to a cooperative enterprise aimed toward increasing the effectiveness of science in human welfare will be greatly appreciated by our AAAS administrative officers.

In order that the writer, serving as a temporary chairman, may arrange for the first meeting of the local group, will you indicate on the enclosed card your pleasure in this regard. The agenda will include an election of a permanent chairman and a discussion of the operation of

the committee. It is possible that most future business may be conducted by correspondence with an occasional get-together for inspiration.

It is the writer's personal feeling that since science has produced Atomic Power, which concurrently has implanted a growing fear of dire consequences in the minds of all of our people, it is the duty of each scientist to aid in allaying this fear. The participation in an effort to promulgate the understanding of science in just the way this committee will do, by increasing the membership of the AAAS, is most satisfying.

The task of sending invitations to innumerable nominees for AAAS membership is an onerous one. In a few instances acutely embarrassing situations have been experienced—that is, an individual has been invited to become a AAAS member when he or she already belongs to the Association. The names of all nominees for membership submitted to this office are checked against the master file of members before invitations are mailed, but it seems inevitable that some oversights will occur. The process of checking thousands of names is at best a very tedious procedure for the most competent clerical personnel. Therefore, we beg your indulgence in this connection.

## Gordon Research Conferences

The program for the Gordon Research Conferences, currently being held at Colby Junior College, was published in the March 26 issue of *Science*, pages 308–312. At that time, however, the program for the Conference on Vitamins, to be held August 9–13, and that for the Conference on Instrumentation, August 2–6, were incomplete. The completed programs for these Conferences follow.

### CONFERENCE ON VITAMINS

*Floyd S. Daft, Chairman; E. E. Snell, Vice-Chairman*

*August 9* L. M. Henderson, "The Relative Value of Intact Proteins and Amino Acid Mixtures in Animal Nutrition"; D. W. Woolley, "Streptogenin"; Max Dunn, "Methods and Results of Amino Acid Assays"; Paul R. Cannon, "Current Problems of Amino Acid Utilization."

*August 10* E. L. R. Stokstad, "The Biochemistry of Substances Antagonistic to Pteroylglutamic Acid"; O. D. Bird, "Pteroylglutamic Acid Conjugases"; Gladys Emerson, "Some Aspects of B<sub>12</sub> Physiology"; Randolph West, "Clinical Results With Vitamin B<sub>12</sub>." Discussion leader: William J. Darby.

*August 11* Albert Tannenbaum, "The Role of Nutrition in the Origin and Growth of Tumors"; Philip R. White, "Mammalian Cellular Nutrition, an Objective and a Tool"; H. Trendley Dean, "Fluorine in Dental Health."

*August 12* Karl Mason, "Patterns of Animal Response to Vitamin E Deficiency"; Hugh H. Darby, "Fate of Calcium in the Bone"; Elaine P. Ralli, "The Role and Effects of Pantothenic Acid in the Adrenalectomized Rat"; M. K. Horwitt, "Thiamin and Riboflavin Requirements of Man."

*August 13* Herman C. Lichstein and Wayne W. Umbreit, "Enzymatic Functions of Biotin"; E. E. Snell, "Some New Nutritive Requirements of Certain Lactic Acid Bacteria." Discussion leader: Severo Ochoa.

### CONFERENCE ON INSTRUMENTATION

*J. C. Peters, Chairman; H. C. Frost, Vice-Chairman*

*August 2* S. I. Reynolds, "Electrical Methods for Measuring Dielectric Constant and Conductivity of Liquids and Solids Over a Wide Range of Frequency"; A. H. Reesor Smith, "Application of Dielectric Constant and Loss Measurements to the Instantaneous and Unattended Analysis of Fluids"; William F. Bale, "Instruments Used for Measuring Radioactivity"; Clifford K. Beck, "'Tagged Atom' Analytical Techniques and Applications."

*August 3* B. P. Dailey, "Basic Concepts of Microwaves as Applied to Instrumentation"; W. E. Good, "Solution of Measurement Problems With Microwaves"; Egon A. Hiedemann, "Principles of Measurements Made at Ultrasonic Frequencies"; J. C. Hubbard, "Application of Ultrasonics to Chemical Problems."

*August 4* H. W. Bousman and E. H. Winslow, "Physical Analysis by X-Ray Absorption Techniques"; Harold W. Washburn, "The Mass Spectrometer in Isotope

Tracer and Complex Mixture Analysis"; I. M. Stein, Donald Williamson, and V. F. Hanson, Symposium on Problems Associated with the Development of Instruments for Research and Process Measurement and Control.

August 5 E. J. Rosenbaum, "Raman Spectroscopy"; A. O. Beckman, "Applications of Ultraviolet Spectrophotometry"; D. N. Hume, "Amperometric Titrations, and Applications of Self-Balancing Recording Potentiometers"; N. H. Furman, "Electrical Methods of Analysis—A Brief Survey of Some Needs for Further Instrumentation."

August 6 O. G. Koppius, "Infrared Product Controller."

Registration for several of the Conferences, namely, Corrosion, Instrumentation, Vitamins, Food and Nutrition, Medicinal Chemistry, and Cancer, has not been closed. Accommodations are available for a few registrants at each.

Requests for attendance at these Conferences or for additional information should be addressed to W. George Parks, Gordon Research Conferences, AAAS, Colby Junior College, New London, New Hampshire.

## NEWS and Notes

**George H. Hart**, who for 22 years has headed the Animal Husbandry Division of the University of California College of Agriculture, has recently been named dean of the School of Veterinary Medicine, succeeding **C. M. Haring**, who became dean last year after serving for over 30 years as head of the Division of Veterinary Science. Dr. Haring retired as professor emeritus on July 1.

**Ralph W. Clark**, professor of pharmacy, University of Kansas, and **George M. Hocking**, professor of pharmacognosy, University of Buffalo, are visiting professors at the University of Mississippi during the Summer Session. Prof. Hocking will go to the University of New Mexico in September as professor of pharmacognosy.

**Wallace W. Atwood**, former president of Clark University, and Mrs. Atwood recently left on an 8-week summer field trip to the Rocky Mountains to continue his study of the physical evolution of the Rocky Mountain area.

**Webster Chester**, professor of biology at Colby College since 1903, retired in June. In recognition of his services the College conferred on him at its Commencement the honorary D.Sc. degree. A fund which now totals \$700 is being raised by Dr. Chester's former students to purchase books for the Biology Department in

commemoration of his long and distinguished period of service.

**Ralph E. Grim**, petrographer of the Illinois State Geological Survey and authority in the field of clay minerals, has been named a research professor of geology at the University of Illinois. He will teach graduate courses there while carrying on his regular work with the Survey.

**Chandler McC. Brooks**, associate professor of physiology at the Johns Hopkins University School of Medicine, who returned recently from New Zealand and Australia, where he spent two years as a Guggenheim Fellow, has been appointed professor of physiology and pharmacology and director of that department at the Long Island College of Medicine. **Arthur A. Siebens**, of Johns Hopkins, and **E. E. Suckling**, chief of the Electronics Laboratory, University of Otago, Dunedin, New Zealand, will join Dr. Brooks in this new enterprise.

**A. Carlton Ernstene** has recently been appointed head of the Division of Medicine at the Cleveland Clinic, Cleveland, Ohio. Prior to joining the Clinic staff in 1932, Dr. Ernstene was a member of the faculty of the Harvard Medical School.

### Grants and Awards

The Engineering Foundation will sponsor 14 research projects for the year beginning October 1948. Grants have been recommended for the continuation of 12 of the past year's projects and for the support of 2 new ones. In selecting projects to be supported, preference has been given those of most fundamental nature,

not ordinarily undertaken by industrial research organizations, in such fields as hydraulics, metal cutting, iron alloys, properties of gases and gas mixtures, riveted and bolted structural joints, reinforced concrete, welding, and properties of metals at different temperatures. The Foundation also provides limited financial support to projects of primary importance to a group of industries. Research is undertaken at universities and some engineering plants, in cooperation with the Foundation's engineering founder societies: the American Society of Civil Engineers, the American Institute of Mining and Metallurgical Engineers, the American Society of Mechanical Engineers, and the American Institute of Electrical Engineers.

The Department of Chemistry, Carnegie Institute of Technology, has received \$2,500 from the Research Corporation, New York City, in support of a project on "Kinetic Studies of the Benzidine Rearrangement," now in progress under the direction of Robert B. Carlin.

The National Vitamin Foundation recently awarded new grants-in-aid, totaling \$16,000, to scientists at four universities for vitamin research. Since March 1946, the Foundation has appropriated \$126,320 for grants-in-aid on various research projects.

The new investigations involve eye health, the nutritional status of school children, the relationship between pyridoxine and fat metabolism, and the effects of time elements on the utilization of water-soluble vitamins. Working on these projects will be L. V. Johnson, assistant professor of ophthalmology, Western Reserve Univer-