Association Affairs

AAAS Membership

1) Changes during 1960		
New members elected		9,256
Losses		
Deaths	349	
Resignations	1,921	
Dropped for nonpayment of dues	4,181	
Total loss		6,451
Net increase during 1960		2,805
2) Totals as of 31 December 1960		
Annual members in good standing		56,283
Life and emeritus members		1,149
Total in good standing		57,432
In arrears		3,508
New for 1961		1,157
Total membership		62,097

Idaho Academy of Science

The Idaho Academy of Science, a new affiliate of the AAAS, was organized in 1958 to stimulate scientific education and research and the diffusion of scientific knowledge in the state of Idaho, to promote fraternal relationships among those engaged in scientific work, to assist in the development of the resources of the state, and to publish reports of scientific investigations pertaining to Idaho. Membership is open to all persons having an interest in science, and the membership roll currently exceeds 350. Among the various members are individuals from secondary as well as higher institutions of learning, government services, industry, agriculture, and the general citizenry.

Two publications, edited by Earl J. Larrison, Department of Biological Sciences, University of Idaho, are distributed. A newsletter, *The Retort,* appears four or five times a year and is devoted to academy news, forthcoming meetings, scientific activities in the state, and to items of general interest to members. The *Journal of the Idaho Academy of Science,* with two or three issues a year, contains papers reporting original research, as well as reference articles on the natural resources of the state. Some articles published to date have included such subjects as wildlife photography, plankton sampling techniques, rodents of Idaho, autotetraploids, paleogeology, skin diving in biological research, and machine retrieval of literature.

Aided by a grant from the National Science Foundation, the academy is presently conducting a series of visits by scientists to Idaho high schools for consultation and lecturing. This program is directed by Elmer K. Raunio, Department of Physical Sciences, University of Idaho.

Four subsidiary sections of the academy have been organized so far. These are the zoology section (Harry K. Fritchman, Boise Junior College, president), botany section (Lorentz Pearson, Ricks College, president), physical science section (Boyd Henry, College of Idaho, president), and science education section (Merlin Nelson, Coeur d'Alene High School, president). The latter section is currently preparing a report on a proposed junior academy of science to be affiliated with the senior academy.

Annual meetings include business, general address, and paper sessions. The election of officers and other matters relating to the general conduct of the academy are taken care of at the general business meeting. Much of the time spent at annual meetings is concerned with the delivery of research papers in the various sections. One feature of general interest is the series of "Idaho Academy of Science Symposia," one of which is given at each annual meeting by a panel of experts on some topic of state interest. Two such symposia have dealt with the Idaho phosphate industry and the Palouse region. The academy recently conducted a successful joint meeting with the Northwest Scientific Association at Moscow. The next annual meeting will be held 21 and 22 April 1961 at the College of Idaho, Caldwell. In addition to the paper sessions, major addresses will be given by Richard Doane, manager, Atomic Energy Division of Phillips Petroleum Co. (Idaho Falls); Miles Willard, research director, Rodgers Bros. Seed Co. (Idaho Falls); and Joseph Trainer, University of Oregon Medical School, Portland. The subject of the symposium will be "The Snake River."

Current officers are as follows: president, Albert E. Taylor, Idaho State College, Pocatello; vice-president, Donald J. Obee, Boise Junior College, Boise; acting secretary, Allen J. Hollenbeck, Boise High School, Boise; acting treasurer, William F. Zelezny, Phillips Petroleum Co., Idaho Falls. The executive committee consists of William H. Baker, University of Idaho, Moscow, past president; Lyle M. Stanford, College of Idaho, Caldwell, program chairman; J. E. O'Connell, National Science Foundation, Washington, D.C., academy conference representative; Earl J. Larrison, University of Idaho, editor; Gilbert Ford, Northwest Nazarene College, Nampa, membership chairman; and Gordon Dixon, Ricks College, Rexburg, and Malcolm M. Renfrew, University of Idaho, as appointed members.

J. E. O'Connell, assistant professor of botany, Department of Biological Sciences, University of Idaho, and currently on leave with the National Science Foundation, is the academy's representative on the AAAS Council and Academy Conference.

EARL J. LARRISON
University of Idaho, Moscow

Tool and Manufacturing Engineers

Affiliation of the 40,000-member American Society of Tool and Manufacturing Engineers (ASTME) with the AAAS has been unanimously approved by the Association's committee on affiliation, board of directors, and council.

The society, which was founded in 1932 in Detroit, currently has some 170 senior chapters—156 in the United States, nine in Canada, three in Australia, and single chapters in Mexico City and Manila. It also has 32 student chapters at various colleges and universities in this country.

Nearly all members are active in some field of manufacturing engineering. The specialties of individual members range from basic scientific research in machining, metal forming, and the like to practical application of that research in the design of a modern production line.

The society's primary objective is to encourage the development and adoption of more efficient manufacturing methods in industry. The scope of its current activities is illustrated by its programs for 1961.

The ASTME Research Fund, administered by a team of scientists and

engineers who are in touch with industry problems, will make grants totaling many thousands of dollars to universities and research institutions for carrying out basic scientific research in fields that are related to manufacturing. Research problems covered are fundamental in nature, such as investigation of the basic nature of the metal-cutting process.

The results of the society's scientific research projects are published and made widely available to scientists and engineers. One such project that has attracted wide interest is the development and publication of a complete bibliography of metal cutting—a compilation of everything that is known about this subject. The bibliography is the result of more than four years of ASTME-sponsored research at the John Crerar Library, where experts reviewed and abstracted over 18,000 books, papers, and pamphlets on metal cutting.

The society also publishes scores of technical papers delivered at its meetings in the course of the year. These are believed to comprise the most complete selection of up-to-date information on the scientific-engineering aspects of manufacturing available anywhere.

The society's magazine, the *Tool and Manufacturing Engineer*, is distributed to all members. Its objective is to present scientific and technological developments of interest to its readers in readable and attractive form. During 1961, the 13 issues of the magazine will contain over 1200 pages of articles.

In the field of education, in addition to sponsoring student chapters at leading colleges and universities, the society continuously sponsors on-campus conferences, where engineers from industry keep in touch with research developments and educators refresh their knowledge of industry's problems and needs. There will be at least 30 of these conferences during 1961, with a total attendance of several thousands.

The society also sponsors numerous seminars where experts present the latest developments in specialized fields of manufacturing science to relatively small groups of scientists and engineers, who are able to pool their knowledge. It is expected that there will be about ten national seminars of this kind during 1961, with literally scores of local and regional seminars. All of the papers delivered at these seminars are published and widely distributed.

Each of the society chapters meets at least nine times a year. The meetings are primarily educational in nature. At a typical meeting, one or two speakers deliver papers on some specialized aspect of science or engineering. The members then participate in panel discussions and question-and-answer sessions. One of the real contributions of these meetings is the cross-fertilization

of ideas that results when experts meet to discuss common problems. It is estimated that attendance at chapter meetings during 1961 will total over 200,000.

Each year the society holds an engineering conference and exhibit that attracts over 40,000 participants, who attend sessions on various aspects of science and engineering and visit some 6000 exhibits. The next such conference will be held in New York City, 22–26 May.

Harry Osborn, past president, will represent the society on the AAAS Council. He is research director of Tocco Division, Ohio Crankshaft Company, and is an internationally known authority on the heat treatment of metals.

HARRY E. CONRAD
American Society of Tool and Manufacturing Engineers, Detroit, Michigan

Forthcoming Events

April

9–13. American Assoc. of Cereal Chemists, annual, Dallas, Tex. (J. W. Pence, Western Utilization Research & Development Division, 800 Buchanan St., Albany 10, Calif.)

9–13. American Industrial Hygiene Assoc., Detroit, Mich. (W. S. Johnson, Bethlehem Steel Co., Bethlehem, Pa.)

9–15. American Institute of Nutrition, Atlantic City, N.J. (A. E. Schaefer, ICNND, Bldg. 16A, National Institutes of Health, Bethesda 14, Md.)

10–14. American Soc. of Civil Engineers, Phoenix, Ariz. (W. H. Wisely, 33 W. 39 St., New York 18)

10–14. Detection and Use of Tritium in the Physical and Biological Sciences, intern. symp., Vienna, Austria. (Office of Special Projects, U.S. Atomic Energy Commission, Washington 25, D.C.)

10–15. Federation of American Societies for Experimental Biology, 45th annual, Atlantic City, N.J. (M. O. Lee, 9650 Wisconsin Ave., Washington 14, D.C.)

10–15. Metallic Corrosion, 1st intern. cong., London, England. (Society of Chemical Industry, 14 Belgrave Sq., London, S.W.1)

11–13. Institute of Environmental Sciences, annual, Chicago, Ill. (H. Sanders, Box 191, Mt. Prospect, Ill.)

11–13. Ultrapurification of Semiconductor Materials, conf., A.F. Office of Scientific Research, Boston, Mass. (Miss H. Turin, Conf. Secretary, Electronics Research Directorate, Air Force Cambridge Research Lab., L. G. Hansom Field, Bedford, Mass.)

12–13. Information and Decision Processes, 3rd symp., Lafayette, Ind. (R. E. Machol, School of Electrical Engineering, Purdue Univ., Lafayette)

12–14. Agglomeration, intern. symp., Philadelphia, Pa. (Metallurgical Soc. of the AIME, 29 W. 39 St., New York 18)

12–14. Chemical Soc., anniversary meeting, Liverpool, England. (Chemical