

- 1 Sanders, George E., *Rep. Canadian Soc. Tech. Agriculturists.*
- 4 Sapir, Edward, *Rep. Linguistic Soc. Amer.*
- Sauveur, Albert, *Rep. Amer. Inst. Mining and Metallurgical Engineers.*
- Schroeder, E. C., *Rep. Amer. Veterinary Med. Assoc.*
- 4 Schuchert, Charles, *Vice-President for Section E.*
- Senior, H. D., *Rep. Amer. Assoc. Anatomists.*
- Sharp, Clayton H., *Rep. Illuminating Engineering Soc.*
- Sheets, E. W., *Rep. Amer. Soc. Animal Production.* (E. S. Good, substitute for the Nashville meeting.)
- 1, 3, 4 Shull, C. A., *Rep. Amer. Soc. Plant Physiologists.* (Substitute for R. P. Hibbard.)
- Stewart, G. W., *Elected Member.*
- 4 Stout, A. B., *Rep. Torrey Bot. Club.* (Substitute for R. A. Harper.)
- Studebaker, J. W., *Rep. National Education Assoc.*
- 4 Talbot, A. N., *Vice-President for Section M.*
- 1, 2, 3, 4 Terry, R. J., *Vice-President for Section H.*
- Townley, S. D., *Rep. Seismol. Soc. Amer.*
- 1, 2, 3, 4 Trelease, Sam F., *Secretary of Section G.*
- 4 True, Rodney H., *Elected Member.*
- 3, 4 Van Cleave, H. J., *Rep. Amer. Microscopical Soc.*
- Van Horn, Frank R., *Rep. Mineralogical Soc. Amer.*
- 1 Waddell, John A. L., *Rep. Amer. Soc. Civil Engineers.*
- 1, 2, 3, 4 Ward, Henry B., *Exec. Comm. Member.*
- Warwick, C. L., *Rep. Amer. Soc. Testing Materials.*
- Weaver, John Ernst, *Rep. Nebraska Acad. Science.*
- Webb, Harold W., *Rep. Amer. Physical Soc.*
- Weeter, H. M., *Rep. Soc. Amer. Bacteriologists.* (Substitute for David H. Bergey.)
- Welch, William H., *Past President (1906).*
- Whipple, Guy M., *Rep. Nat. Soc. Study of Education.*
- White, David, *Elected Member and Rep. Paleontological Soc. Amer.* (Leonidas C. Glenn, substitute for the Nashville meeting.)
- Wilson, Edmund B., *Past President (1913).*
- Wilson, Edwin B., *Exec. Comm. Member.*
- Wirt, John L., *Treasurer of the Association.*

#### THE ROLL OF THE EXECUTIVE COMMITTEE AT NASHVILLE\*

The executive committee held sessions on Monday, Tuesday and Wednesday mornings. The first session was in the Andrew Jackson Hotel, while the others were in the council room in the Industrial Arts Building, George Peabody College for Teachers. Following is the roll of the committee. The numbers preceding each name indicate the sessions at which the member was present, as in the case of the council roll above. The number in parenthesis after each name denotes the calendar year at the end of which the member's term of office was to expire. Dr. H. L. Fairchild and Dr. W. A. Noyes automatically retired

\* The number in parenthesis denotes the year at the end of which the member's term of office was to expire.

from the committee at the end of this Nashville meeting, and Dr. John Johnston, U. S. Steel Corporation, New York City, and Dr. David R. Curtiss, Northwestern University, were elected as their successors.

- 1, 2 J. McKeen Cattell (1930), *chairman*, Garrison-on-Hudson, N. Y.
- 1, 3 A. A. Noyes (1927), *president* of the association, Pasadena, Calif.
- 1, 2 W. J. Humphreys (1928), *general secretary* of the association, Washington, D. C.
- 1, 2, 3 Burton E. Livingston (1928), *permanent secretary* of the association, Baltimore, Md., and Washington, D. C.
- 1, 2, 3 H. L. Fairchild (1927), Rochester, N. Y.
- Vernon Kellogg (1928), Washington, D. C.
- 3 F. R. Moulton (1929), Chicago, Ill.
- 1, 3 W. A. Noyes (1927), Urbana, Ill.
- M. I. Pupin (1929), New York City.
- 1, 2, 3 H. B. Ward (1930), Urbana, Ill.
- Edwin B. Wilson (1928), Boston, Mass.

#### LEGISLATIVE AND EXECUTIVE PROCEEDINGS AT NASHVILLE

The executive committee of the council met in the Andrew Jackson Hotel on Monday morning, December 26, and held two other sessions, in the council room, Industrial Arts Building, George Peabody College for Teachers, on Tuesday and Wednesday mornings, following the council sessions. The council met at the Andrew Jackson Hotel on Monday afternoon, December 26, and in the council room on Tuesday, Wednesday and Thursday mornings. No business was transacted at any of the general sessions at Nashville. The following paragraphs summarize the business proceedings at this meeting:

(1) The council minutes of December 31, 1926, and of December 26, 27 and 28, 1927, were read and approved by the council.

(2) The audited report of the treasurer for the fiscal year ending September 30, 1927, was accepted by the council and ordered to be printed in *SCIENCE* in the usual manner. It appears elsewhere in this issue of *SCIENCE*.

(3) The audited financial report of the permanent secretary, for the association year ending September 30, 1927, was accepted and ordered printed in *SCIENCE*. It also appears elsewhere in the present issue.

(4) The following appropriations were made from the treasurer's funds available for the current year:

For journal subscriptions for 418 life members.....	\$1,254.00
For life-membership fees of three emeritus life members, on account of the Jane M. Smith Fund for this special purpose.....	300.00
For rental of treasurer's safety-deposit box.....	20.00
For grants for research, to be allotted by the Committee on Grants.....	3,000.00
To the Naples Zoological Station.....	500.00
To the Annual Tables of Physical and Chemical Constants.....	200.00

To these should be added an appropriation of \$100 to the National Conference on Outdoor Recreation, author-

ized by the executive committee at its recent autumn meeting and now reported to the council, and the total of appropriations from the treasurer's funds for the current year therefore amounts to \$5,374. There remains an unappropriated balance of treasurer's funds available for the current year, amounting to \$1,411.45. It is possible that about \$1,200 of this balance may be appropriated for the use of the Committee of One Hundred on Scientific Research, but that matter is left in the hands of the executive committee, with power, because no report and proposed budget for the Committee of One Hundred was received in time for action at Nashville.

(5) The following members were elected to emeritus life membership according to the provisions of the will of the late Jane M. Smith:

Frank A. Gooch (joined in 1876, elected to fellowship in 1880), 291 Edwards St., New Haven, Conn. A.B., Harvard, 1872; A.M., Ph.D., 1877; Ph.D., Vienna, 1875-76; honorary A.M., Yale, 1887. Professor of chemistry and director of the Kent Chemical Laboratory, Yale University, 1885-1918; emeritus professor since 1918.

Alfred Springer (joined in 1875, elected to fellowship in 1880), 312 East 2nd St., Cincinnati, Ohio. Ph.D., Heidelberg, 1872; secretary, Section C, 1882; assistant general secretary, 1883; general secretary, 1884; vice-president for Section C, 1892.

Warren Upham (joined in 1876, elected to fellowship in 1880), Minnesota Historical Society, St. Paul, Minn. A.B., Dartmouth, 1871; honorary A.M., Dartmouth, 1894; Sc.D., Dartmouth, 1906. Has held positions with the New Hampshire Geological Survey, the Minnesota Geological Survey, the U. S. Geological Survey and the Western Reserve Historical Society. Archeologist of the Minnesota Historical Society since 1914.

(6) The council established a committee to look into the question of securing American funds for the Naples Zoological Station, the committee to consist of Edmund B. Wilson, Henry B. Ward and a third member named by these two.

(7) The council expressed its great appreciation of the very valuable services rendered by Dr. Sam F. Trelease, program editor, and by Mrs. Trelease. Special mention was made of the complete index of speakers' names, which this year, for the first time, is part of the general program. Day and night for two weeks preceding the opening of the meeting Doctor and Mrs. Trelease devoted themselves to the very arduous task of getting the program printed on time. The book was completed Saturday, December 24. An honorarium of \$200 was voted to the program editor on account of his efficient work on the Nashville general program.

(8) Eighty fellows were elected by the council, distributed among the several sections as follows:

Section A (Mathematics) .....	1	Section I (Psychology) .....	1
Section C (Chemistry) .....	3	Section M (Engineering) .....	22
Section E (Geology and Geography) .....	2	Section N (Medical Sciences) .....	11
Section G (Botanical Sciences) .....	35	Section O (Agriculture) .....	5

(9) By action of the council the newly formed Colorado-Wyoming Academy of Science was officially affiliated with the American Association, with the financial provision that both an academy allowance and a division

allowance are not to be paid for the same member in any case.

(10) The executive committee was authorized by the council to arrange, in connection with each annual meeting of the association, an academy conference and the council approved of the following named officers of the conference for the current year: Chairman, William H. Alexander, U. S. Weather Bureau, Columbus, Ohio; secretary, Howard E. Enders, Purdue University, LaFayette, Ind.

(11) The permanent secretary was asked to make a study of the problem of the extra journals (*The Scientific Monthly* and the *Science News-Letter*), with the advice and assistance of Dr. Cattell and Dr. Kellogg, and to present at a later meeting of the executive committee suggestions for improvements in arrangements for these journals.

(12) A special telegram was sent to the secretary of each associated organization meeting at this time elsewhere than in Nashville, inviting the organization to hold sessions at the New York meeting next year.

(13) It was voted by the council that men of science from outside of the United States and Canada who are members of scientific associations in their own countries are to be appointed honorary associates if they attend an annual meeting of the American Association, the associate fee and the registration fee being remitted in such cases.

(14) Resignations were presented, and accepted by the council, from the section secretaries named below, the reason for the resignation being, in all three cases, the press of other work: Raymond C. Archibald, secretary of Section A (Mathematics); Frederick E. Bransch, secretary of Section L (Historical and Philological Sciences); A. J. Goldforb, secretary of Section N (Medical Sciences).

(15) It was voted that the spring meeting of the executive committee of the council shall regularly occur at Washington, D. C., on the Sunday preceding the spring meeting of the National Academy of Sciences.

(16) The executive committee appointed Arthur A. Noyes a committee of one to consider possible improvements in the procedure for awarding the American Association prize and to send to the permanent secretary at an early date suggestions for such possible improvements.

(17) On recommendation by the executive committee, the council voted that the annual meeting of December, 1929, is to be held at Des Moines, Iowa, on invitation of Drake University and the Des Moines Chamber of Commerce.

(18) The executive committee instructed the permanent secretary to study and report on the possibilities of holding the meeting of December, 1930, in Montreal. That meeting has been tentatively set for Cleveland, but no definite arrangements have yet been made and the committee noted the desirability of holding an annual meeting in Canada in the near future.

(19) The executive committee named a special committee, consisting of J. McK. Cattell, Burton E. Livingston and Sam F. Trelease, to decide upon the general-headquarters hotel for the New York meeting next year.

(20) The executive committee voted that the registration fee for the New York meeting shall be two dollars, one dollar being remitted to members in good standing of the American Association for the Advancement of Science.

(21) The council adopted a resolution favoring the maintenance of the highest standards in the system of the national parks of the United States. This resolution appears elsewhere in this issue of SCIENCE.

(22) The council adopted a resolution favoring the establishment of wild-life experiment stations in the United States. This resolution appears elsewhere in this issue of SCIENCE.

(23) The following resolution was adopted by the council:

*Resolved:* That the American Association for the Advancement of Science approves of the project, brought to its attention by Dr. Gregory D. Walcott, for the publication of source-books in the history of science, and names a committee of three to cooperate with the advisory board for this project, the members of the committee to be Gregory D. Walcott, Edwin G. Conklin and Harlow Shapley.

(24) A report of the Committee on the Place of Science in Education was presented to the council, a summary of which appears elsewhere in this issue of SCIENCE. The report was accepted and the council authorized the committee to publish a more complete report, which is being prepared, this publication to be financed without drawing on association funds other than those specially designated for the use of the Committee on the Place of Science in Education.

(25) The council authorized the Committee on Place of Science in Education to proceed with its plans for a comprehensive and cooperative study of educational systems and for the development of a council of science teachers, it being understood that these projects are to be financed without drawing on association funds other than those specially designated for the use of the Committee on the Place of Science in Education.

(26) The council named a committee of four to investigate and report on the relation of existing tariff laws in the United States to scientific research, the committee to consist of Edward B. Mathews, Johns Hopkins University; Austin H. Clark, Smithsonian Institution; William A. Noyes, University of Illinois; and Frederick E. Wright, Geophysical Laboratory, Washington, D. C.

(27) The council named a committee of four to investigate and report on the project, suggested by Mr. Joseph L. Wheeler, of supplying to libraries and the general public lists of recommended books on science, the committee to consist of Joseph L. Wheeler, Enoch Pratt Library, Baltimore; Edward W. Berry, Johns Hopkins University; Burton E. Livingston, Johns Hopkins University; and Robert B. Sosman, Carnegie Institution of Washington.

(28) The council unanimously elected Dr. Henry Fairfield Osborn, president of the Museum of Natural History, New York City, as president of the American Association for the Advancement of Science.

(29) On nominations received in the regular way from the respective section committees, the association vice-presidents for the following named sections were unanimously elected for the ensuing year: Section A (Mathematics), Raymond C. Archibald; Section B (Physics), P. W. Bridgman; Section C (Chemistry), C. E. K. Mees; Section D (Astronomy), J. S. Plaskett; Section E (Geology and Geography), Frank Leverett; Section F (Zoological Sciences), M. F. Guyer; Section G (Botanical Sciences), Charles E. Allen; Section H (Anthropology), Fay-Cooper Cole; Section I (Psychology), Howard C. Warren; Section M (Engineering), Robert Lemuel Sackett; Section O (Agriculture), C. A. Mooers; Section Q (Education), Truman L. Kelley.

(30) On nominations received from the respective section committees, the council unanimously elected the three section secretaries named below, their terms of office to expire at the end of the New York meeting next year: Secretary of Section A (Mathematics), Charles N. Moore; secretary of Section N (Medical Sciences), James Harold Austin; secretary of Section H (Anthropology), C. H. Danforth. The secretaries of Sections A and N had resigned, as noted above, and the election of a secretary of Section H was made necessary by the election of Dr. Fay-Cooper Cole (who has been secretary) as vice-president for the section.

(31) On nominations presented by a nominating committee, the council unanimously elected two members of the council, two members of the executive committee, two members of the committee on grants and one member of the finance committee, in accordance with provisions of the Constitution, the terms of office of these to expire at the end of December, 1931. The names of those elected are as follows:

*Elected council members:* Arthur H. Compton, University of Chicago, and Austin H. Clark, Smithsonian Institution. These succeed W. A. Oldfather and G. W. Stewart, whose terms expired at the end of this meeting.

*Members of executive committee:* John Johnston, U. S. Steel Corporation, New York City, and David R. Curtiss, Northwestern University. These succeed H. L. Fairchild and W. A. Noyes, whose terms expired at the end of this meeting.

*Members of the Committee on Grants:* Walter S. Adams (representing astronomy), Mount Wilson Observatory, and Karl F. Kellerman (representing botanical sciences), U. S. Department of Agriculture. These succeed A. Hrdlička and B. M. Davis, whose terms expired at the end of this meeting.

*Member of the Finance Committee,* Arthur L. Day, Geophysical Laboratory, Washington, D. C., who was elected to succeed himself.

(32) The council unanimously nominated Dr. J. McK. Cattell to succeed himself as representative of the American Association in the board of trustees of Science Service.

(33) The next meeting of the executive committee will occur at the Cosmos Club, in Washington, on Sunday, April 22, 1928. The next meeting of the council will occur at New York on Thursday, December 27, 1928.