

teaching of these subjects, that the instructors understand the relations between their own subject and what follows. This appreciation will be lacking until there is a greater working together of premedical and medical teachers. For, isn't it as important that the instructor in physics, say, should cooperate with the instructor in physiology as it is for the latter to work with the clinical teacher? Therefore, a greater cooperation between the various teachers concerned with the training of a medical student is urged, in the hope that a better correlation of subjects and a more efficient course will follow.

In conclusion, may we anticipate that to your efforts will be due no small amount of credit for making of the future medical graduate a more finished product.

E. W. KOCH

SCHOOL OF MEDICINE,
UNIVERSITY OF BUFFALO

SCIENTIFIC EVENTS

THE NATIONAL SCIENTIFIC SOCIETIES MEETING IN WASHINGTON DURING CONVOCATION WEEK, DECEMBER

29, 1924, TO JANUARY 3, 1925

THERE have been printed in *SCIENCE* articles concerning the approaching meeting of the American Association for the Advancement of Science and the national scientific societies associated with it. A list of the sections of the association and of the societies with the principal officers, including the addresses of the secretaries, is as follows:

President

J. McKEEN CATTELL, Garrison-on-Hudson, N. Y.

Retiring President

CHARLES D. WALCOTT, Smithsonian Institution, Washington, D. C.

Vice-presidents and Retiring Vice-presidents for the Sections

Section A (Mathematics)

Vice-president, J. C. FIELDS, University of Toronto, Toronto, Canada.

Retiring Vice-president, HARRIS HANCOCK, University of Cincinnati, Cincinnati, Ohio.

Section B (Physics)

Vice-president, K. T. COMPTON, Princeton University, Princeton, N. J.

Retiring Vice-president, W. F. G. SWANN, University of Chicago, Chicago, Ill.

Section C (Chemistry)

Vice-president, F. G. COTTRELL, Fixed Nitrogen Research Laboratory, American University, Washington, D. C.

Retiring Vice-president, E. W. WASHBURN, National Research Council, Washington, D. C.

Section D (Astronomy)

Vice-president, JOHN A. MILLER, Swarthmore College, Swarthmore, Pa.

Retiring Vice-president, HEBER D. CURTIS, Alleghany Observatory, Pittsburgh, Pa.

Section E (Geology and Geography)

Vice-president, W. C. MENDENHALL, U. S. Geological Survey, Washington, D. C.

Retiring Vice-president, N. M. FENNEMAN, University of Cincinnati, Cincinnati, Ohio.

Section F (Zoological Sciences)

Vice-president, EDWIN LINTON, 1104 Milledge Road, Augusta, Ga.

Retiring Vice-president, E. L. RICE, Ohio Wesleyan University, Delaware, Ohio.

Section G (Botanical Sciences)

Vice-president, G. R. LYMAN, West Virginia University, Morgantown, W. Va.

Retiring Vice-president, C. J. CHAMBERLAIN, University of Chicago, Chicago, Ill.

Section H (Anthropology)

Vice-president, E. A. HOOTON, Peabody Museum, Cambridge, Mass.

Retiring Vice-president, E. A. HOOTON, Peabody Museum, Cambridge, Mass.

Section I (Psychology)

Vice-president, R. S. WOODWORTH, Columbia University, New York, N. Y.

Retiring Vice-president, G. STANLEY HALL, deceased.

Section K (Social and Economic Sciences)

Vice-president, THOMAS S. BAKER, Carnegie Institute of Technology, Pittsburgh, Pa.

Retiring Vice-president, JOHN F. CROWELL, 171 Liberty St., Bloomfield, N. J.

Section L (Historical and Physiological Sciences, History of Science)

Vice-president, LOUIS C. KARPINSKI, University of Michigan, Ann Arbor, Mich.

Retiring Vice-president, FLORIAN CAJORI, University of California, Berkeley, Calif.

Section M (Engineering)

Vice-president, A. E. KENNELLY, Harvard University, Cambridge, Mass.

Retiring Vice-president, JOHN T. FAIG, Ohio Mechanics Institute, Cincinnati, Ohio.

Section N (Medical Sciences)

Vice-president, WILLIAM A. MACCALLUM, Johns Hopkins University, Baltimore, Md.

Retiring Vice-president, RICHARD P. STRONG, Harvard University Medical School, Boston, Mass.

Section O (Agriculture)

Vice-president, L. R. JONES, University of Wisconsin, Madison, Wis.

Retiring Vice-president, R. A. PEARSON, Iowa State College, Ames, Iowa.

Section Q (Education)

Vice-president, L. A. PECHSTEIN, University of Cincinnati, Cincinnati, Ohio.

Retiring Vice-president, HENRY W. HOLMES, Harvard University, Cambridge, Mass.

Permanent Secretary

BURTON E. LIVINGSTON, Johns Hopkins University, Baltimore, Md. (Association mail address: Smithsonian Institution Building, Washington, D. C.)

General Secretary

D. T. MACDOUGAL, Desert Laboratory, Tucson, Ariz.

A. Mathematics

The American Mathematical Society.

OSWALD VEULEN, *president*.

R. G. D. RICHARDSON, *secretary*, Brown University, Providence, R. I.

December 30-31.

The Mathematical Association of America.

H. L. REITZ, *president*.

W. D. CAIRNS, *secretary*, Oberlin, Ohio.

December 31-January 2.

The Pi Mu Epsilon Mathematical Fraternity.

E. D. ROE, JR., *director-general*.

WARREN G. BULLARD, *secretary-general*, 117 Redfield Place, Syracuse, N. Y.

B. Physics

The American Physical Society.

CHARLES E. MENDENHALL, *president*.

HAROLD W. WEBB, *secretary*, Columbia University, New York, N. Y.

December 29-31.

The American Meteorological Society.

W. I. MILHAM, *president*.

CHARLES F. BROOKS, *secretary*, Clark University, Worcester, Mass.

January 2-3.

D. Astronomy

The American Astronomical Society.

W. W. CAMPBELL, *president*.

JOEL STEBBINS, *secretary*, Washburn Observatory, Madison, Wis.

December 31-January 1.

E. Geology and Geography

The Association of American Geographers.

CURTIS F. MARBUT, *president*.

CHARLES E. COLBY, *secretary*, University of Chicago, Chicago, Ill.

December 31-January 3.

The Seismological Society of America.

BAILEY WILLIS, *president*.

S. D. TOWNLEY, *secretary*, Stanford University, Calif.

The American Geographical Society.

JOHN GREENOUGH, *president*.

ISAIAH BOWMAN, *director*, 3755 Broadway, New York, N. Y.

The National Council of Geography Teachers.

W. R. MCCONNELL, *president*.

GEO. J. MILLER, *secretary*, Mankato, Minn.

December 29.

The American Alpine Club.

HARRY P. NICHOLS, *president*.

WALTER D. WILCOX, *secretary*, 1526 New Hampshire Ave., Washington, D. C.

F. Zoological Sciences

The American Society of Zoologists.

R. G. HARRISON, *president*.

W. C. ALLEE, *secretary*, University of Chicago, Chicago, Ill.

December 29-31.

The Entomological Society of America.

CHARLES W. JOHNSON, *president*.

C. L. METCALF, *secretary*, The University of Illinois, Urbana, Ill.

December 29-31.

The American Association of Economic Entomologists.

A. G. RUGGLES, *president*.

ALBERT F. BURGESS, *secretary*, Melrose Highlands, Mass.

December 31-January 3.

The Eugenics Research Association.

ALBERT JOHNSON, *president*.

H. H. LAUGHLIN, *secretary*, Cold Spring Harbor, New York.

American Society of Mammalogists.

WILFRED H. OSGOOD, *president*.

HARTLEY H. T. JACKSON, *corresponding secretary*, Bureau of Biological Survey, U. S. Department of Agriculture, Washington, D. C.

April 8-10, 1925.

The Wilson Ornithological Club.

ALBERT F. GANIER, *president*.

GORDON WILSON, *secretary*, State Normal College, Bowling Green, Ky.

G. Botanical Sciences

The Botanical Society of America.

WILLIAM CROCKER, *president*.

I. F. LEWIS, *secretary*, University, Va.

December 29-31.

The American Phytopathological Society.

F. D. FROMME, *president*.

R. J. HASKELL, *secretary*, U. S. Department of Agriculture, Washington, D. C.

December 29-January 1.

The American Society of Plant Physiologists.

CHAS. A. SHULL, *president*.

R. B. HARVEY, *secretary*, University of Minnesota, Minneapolis, Minn.

December 29–January 2.

The Botanists of the Central States.

H. C. COWLES, *president*.

EDWARD A. BURT, *secretary*, Missouri Botanical Garden, St. Louis, Mo.

The American Fern Society.

WILLIAM R. MAXON, *president*.

CHARLES S. LEWIS, *secretary*, 835 Edgewood Ave., Trenton, N. J.

January 1.

The Sullivant Moss Society.

ROBERT S. WILLIAMS, *president*.

EDW. B. CHAMBERLAIN, *secretary*, 18 West 89th Street, New York, N. Y.

The Wild-Flower Preservation Society of America.

H. C. COWLES, *president*.

MRS. N. L. BRITTON, *secretary*, New York Botanical Garden, Bronx Park, New York, N. Y.

December 28.

F–G. Zoology and Botany

The American Society of Naturalists.

W. H. HOWELL, *president*.

A. FRANKLIN SHULL, *secretary*, University of Michigan, Ann Arbor, Mich.

January 1.

The Ecological Society of America.

E. N. TRANSEAU, *president*.

A. O. WEESE, *secretary*, University of Oklahoma, Norman, Okla.

December 30–January 1.

The American Genetic Association.

DAVID FAIRCHILD, *president*.

SEWALL WRIGHT, *secretary*, P. O. Box 354, Pennsylvania Ave. Station, Washington, D. C.

The American Microscopical Society.

B. H. RANSOM, *president*.

PAUL S. WELCH, *secretary*, University of Michigan, Ann Arbor, Mich.

December 31.

The American Nature-Study Society.

M. R. VAN CLEVE, *president*.

MRS. ANNA B. COMSTOCK, *secretary*, 123 Roberts Place, Ithaca, N. Y.

December 29–30.

The Phi Sigma Biological Research Society.

EMORY W. SINK, *president*.

C. J. REED, *secretary*, 5216 Greenwood Ave., Chicago, Ill.

December 29.

H. Anthropology

The American Anthropological Association.

WALTER HOUGH, *president*.

A. V. KIDDER, *secretary*, Phillips Academy, Andover, Mass.

January 1–3.

The American Folk-Lore Society.

ELSIE CLEWES PARSON, *president*.

GLADYS A. REICHARD, *secretary*, Barnard College, New York N. Y.

December 30–31.

I. Psychology

The American Psychological Association.

G. STANLEY HALL, *president, deceased*.

JOHN E. ANDERSON, *secretary*, Drawer 13, Yale Station, New Haven, Conn.

December 29–31.

The Southern Society for Philosophy and Psychology.

BUFORD JOHNSON, *president*.

O. R. HUGHES, *secretary*, West Tennessee State Normal School, Memphis, Tenn.

K. Social and Economic Sciences

The American Political Science Association.

JAMES W. GARNER, *president*.

FREDERIC A. OGG, *secretary*, University of Wisconsin, Madison, Wis.

December 29–31.

The Metric Association.

GEORGE F. KUNZ, *president*.

HOWARD RICHARDS, *secretary*, 156 Fifth Ave., New York, N. Y.

December 29–30.

N. Medical Sciences

The American Physiological Society.

A. J. CARLSON, *president*.

WALTER J. MEEK, *secretary*, University of Missouri, Columbia, Mo.

December 29–31.

The Society of American Bacteriologists.

A. PARKER HITCHENS, *president*.

J. M. SHERMAN, *secretary*, Cornell University, Ithaca, N. Y.

December 29–31.

The American Society for Pharmacology and Experimental Therapeutics.

JOHN AUER, *president*.

EDGAR D. BROWN, *secretary*, University of Minnesota, Minn.

December 29–31.

The American Society of Biological Chemists, Inc.

PHILIP A. SHAFFER, *president*.

D. WRIGHT WILSON, *secretary*, University of Pennsylvania, Philadelphia, Pa.

December 29–31.

The American Society for Experimental Pathology.

A. S. WARTHIN, *president*.

E. B. KRUMBHAR, *secretary*, Laboratories, Philadelphia General Hospital, Philadelphia, Pa.

December 29–31.

O. Agriculture

The American Society of Agronomy.

M. F. MILLER, *president*.

- P. E. BROWN, *secretary*, Iowa State College, Ames, Iowa.
December 31.
- The Society of American Foresters.
WALTER MULFORD, *president*.
ROBERT V. REYNOLDS, *secretary*, U. S. Forest Service, Washington, D. C.
December 30-31.
- The American Society for Horticultural Science.
M. J. DORSEY, *president*.
C. P. CLOSE, *secretary*, College Park, Md.
December 29-31.
- The American Pomological Society.
PAUL C. STARK, *president*.
H. C. C. MILES, *secretary*, Milford, Conn.
- The Association of Official Seed Analysts.
M. T. MUNN, *president*.
A. L. STONE, *secretary*, University of Wisconsin, Madison, Wis.
December 31-January 2.
- The Potato Association of America.
A. G. TOLAAS, *president*.
WILLIAM STUART, *secretary*, U. S. Department of Agriculture, Washington, D. C.
December 29-January 3.
- The American Dairy Science Association.
A. A. BORLAND, *president*.
J. B. FITCH, *secretary*, Manhattan, Kans.
- The Crop Protection Institute.
- The American Association of University Professors.
A. O. LEUSCHNER, *president*.
H. W. TYLER, *secretary*, Massachusetts Institute of Technology, Cambridge, Mass.
December 27-29.
- The History of Science Society.
L. J. HENDERSON, *president*.
F. L. BRASCH, *secretary*, Department of Terrestrial Magnetism, Carnegie Institution of Washington, D. C.
December 31-January 1.
- The Gamma Alpha Graduate Scientific Fraternity.
E. M. GILBERT, *president*.
L. M. HUTCHINS, *secretary*, Fort Valley, Ga.
January 1.
- The Sigma Delta Epsilon Graduate Women's Scientific Society.
December 29 and 31.
- The Bibliographical Society of America.
AZARIAH S. ROOT, *president*.
- The Gamma Sigma Delta Society.
A. F. WOODS, *president*.
J. O. RANKIN, *secretary*, Agricultural Experiment Station, Lincoln, Neb.
- The Phi Kappa Phi Fraternity.
J. S. STEVES, *president*.
L. H. PAMMEL, *secretary*, Iowa State College, Ames, Iowa.

Q. Education

- The National Society of College Teachers of Education.
E. F. BUCHNER, *president*.
ARTHUR J. JONES, *secretary*, University of Pennsylvania, Philadelphia, Pa.
- The National Society for the Study of Education.
GUY M. WHIPPLE, *secretary*, 10 Putnam St., Danvers, Mass.
- The American Federation of Teachers of the Mathematical and Natural Sciences.
R. C. MANN, *president*.
WM. A. HEDRICK, *secretary*, Central High School, Washington, D. C.
- The American Philosophical Association.
ALEXANDER MEIKELJOHN, *president*.
C. I. LEWIS, *secretary*, Harvard University, Cambridge, Mass.
- The Phi Delta Kappa Fraternity.
LEWIS W. WILLIAMS, *president*.
ABEL J. MCALLISTER, *secretary*, 2118 West 109th St., Chicago, Ill.
December 31.

Societies Not Specially Related to Any Particular Section

- The Society of Sigma Xi.
F. K. RICHTMYER, *president*.
EDWARD ELLERY, *secretary*, Union College, Schenectady, N. Y.
December 30.

SCIENTIFIC NOTES AND NEWS

At the opening session of the approaching fifth Washington meeting of the American Association for the Advancement of Science, to be held in the Memorial Continental Hall on the evening of Monday, December 29, at 8:30, the Honorable Charles Evans Hughes, Secretary of State, will address the association on "Some aspects of international cooperation." At the same session the retiring president, Dr. Charles D. Walcott, secretary of the Smithsonian Institution, will give the retiring presidential address on "Science and service."

THE executive committee of the council of the American Association for the Advancement of Science will hold its first Washington session at the Cosmos Club, Washington, on Sunday afternoon, December 28, at 4:00 o'clock. The business to be considered includes some important matters, such as the question of academy affiliation and the interpretation of fellowship rules. Communications for the committee should reach the permanent secretary, at the Smithsonian Institution Building in Washington, before December 26. The executive committee will hold its second session at the New Willard Hotel on Monday, December 29, at 10:00 o'clock. The council of the association will hold its first Washington session at the New Willard Hotel on Monday, December 29,