

is measurably advanced. Scientific knowledge and increased appreciation of what science is doing are brought to the public. The interest of the youth of the community in well-grounded scientific knowledge and in the scientific method of thought is appreciably enhanced.

The general lectures that are to be given at the approaching Des Moines meeting of the association are more numerous than for any earlier meeting, with a very wide range of topics and many degrees of non-technicality. They are grouped in two series, those to be given at general sessions of the association and those to be presented as complimentary to the public of Des Moines and vicinity. Some of the general-session lectures will be relatively somewhat less popular, while some of the non-technical lectures have been planned specially for the pupils of the Des Moines schools. Nearly all are to be illustrated by means of lantern slides or motion pictures or both. A list of these general lectures is given below; those designated by asterisks are for general sessions, while those marked with crosses are planned specially for school students. The meeting is to open officially Friday evening, December 27, and it will continue through Thursday, January 2.

*"The Discovery of Tertiary Man," by Henry Fairfield Osborn, of the American Museum of Natural History, retiring president of the American Association. *Friday evening.*

"Where Iowa Gets Her Weather," by Charles F. Brooks, of Clark University. *Saturday at 2:30.*

*"An Anthropologist's View of Race," by Fay-Cooper Cole, of the University of Chicago. *Saturday at 4:30.*

*"Some Aspects of Human Biology," the eighth annual Sigma Xi lecture (arranged by the Society of the Sigma Xi), by George H. Parker, of Harvard University. *Saturday evening.*

"Exploration for Human Origins and Migration in the Far Northwest," by Aleš Hrdlička, of the U. S. National Museum. *Saturday evening.*

"The Alleged Sins of Science," by Robert A. Millikan, of the California Institute of Technology, president of the American Association. *Saturday afternoon.*

†"Collecting Live Animals in Africa," by William M. Mann, of the U. S. National Zoological Park. *Monday at 2:30; repeated Tuesday at 2:30.*

"Our Ocean of Air: What It Is and Where It Comes from," by W. J. Humphreys, of the U. S. Weather Bureau. *Monday at 2:30.*

*"Earthquakes and What They Tell Us," by James B. Macelwane, S. J., of St. Louis University. *Monday at 4:30.*

*"The Relation between the Size of the Energy Atom and its Physiological Effect," by W. T. Bovie, of Northwestern University Medical School. *Monday evening.*

"The Adler Planetarium and Astronomical Museum of Chicago," by Philip Fox, of the Adler Planetarium and Astronomical Museum. *Monday evening.*

*A Symposium on the Salary Question, arranged by the Committee on the Economic Status of Research Workers, of the Committee of One Hundred on Scientific Research (Robert A. Millikan, president of the American Association, *chairman*; Rodney H. True, of the University of Pennsylvania, *secretary*). *Tuesday afternoon.*

†"By Airplane to Pigmy Land (Dutch New Guinea)," by M. W. Stirling, of the Bureau of American Ethnology. *Tuesday at 2:30.*

*"The Application of Mathematics in the Social Sciences," the seventh annual Josiah Willard Gibbs lecture (arranged by the American Mathematical Society), by Irving Fisher, of Yale University. *Tuesday at 4:30.*

"The Living Wealth of Alaskan Waters," by Louis Radcliffe, deputy commissioner of fisheries, U. S. Department of Commerce. *Tuesday at 4:30.*

*"Glaciation: the Background of the Development of the Mississippi Valley," by George F. Kay, of the University of Iowa. *Tuesday evening.*

†"Turning the Clock Back Ten Million Years," by Arthur S. Coggeshall, of St. Paul Institute, St. Paul, Minnesota. *Wednesday at 2:30.*

*"Some Aspects of Celestial Evolution," by Edwin B. Frost, of the Yerkes Observatory. *Wednesday at 4:30.*

*"The Laws of Racing Fatigue—Men and Horses," by A. E. Kennelly, of Harvard University. *Wednesday evening.*

†"Clouds of Everywhere and their Splendors," by W. J. Humphreys, of the U. S. Weather Bureau. *Thursday at 2:30.*

This lecture series has been worked out from suggestions made by the executive committee of the association and by the special committee on general lectures (D. W. Morehouse, Austin H. Clark and Henry B. Ward).

BURTON E. LIVINGSTON,
Permanent Secretary

NOTICES AND REPORTS FOR 1929, INCLUDING PREPARATIONS FOR THE DES MOINES MEETING

MANY readers of SCIENCE who are planning to attend the approaching Des Moines meeting, from Friday, December 27, 1929, to Thursday, January 2, 1930, and many who are not going to the meeting may find it useful to have brought together here the following references to articles and notices concerning the meeting and the association which have been published in this journal from time to time in the year just closing. Dates of issues and page references are given.

Officers of the American Association for the Advancement of Science. January 4, 1929, pages 10-11.

Note on award of American Association prize to Dr. Oliver Kamm. January 11, 1929, page 35.

General reports of fifth New York meeting. January 25, 1929, pages 79-106.

Accounts of the sessions of sections and societies at the fifth New York meeting. February 1, 1929, pages 107-131.

American Association press service. February 22, 1929, pages 219-220.

Note announcing spring meeting of executive committee. March 29, 1929, page 349.

Note on thirteenth annual meeting of Pacific Division. April 5, 1929, page 375.

Resolution on professional salaries passed at tenth annual meeting of Southwestern Division. May 17, 1929, page 515.

Note on prize awarded by Pacific Division at its thirteenth annual meeting. May 31, 1929, page 572.

Report of spring meeting of executive committee. May 31, 1929, pages 582-584.

Reports of the second Berkeley meeting of the Pacific Division. August 9, 1929, pages 129-133; August 16, 1929, pages 154-159.

Announcement of Des Moines sessions of Section F and American Society of Zoologists. August 23, 1929, pages 186-187.

Note announcing fall meeting of executive committee. September 20, 1929, page 279.

Note on seventh Josiah Willard Gibbs lecture at Des Moines. October 18, 1929, page 375.

The Michael P. Rich bequest for the advancement of science. October 25, 1929, pages 396-397.

Applications for grants for 1930. October 25, 1929, pages 397-398.

The section on geology and geography at Des Moines. October 25, 1929, page 398.

Section I (Psychology) at Des Moines. October 25, 1929, page 398.

The new volume of Summarized Proceedings. November 1, 1929, page 419.

Hotels for the Des Moines meeting. November 1, 1929, pages 419-420.

Report of the fall meeting of the executive committee. November 8, 1929, pages 442-443.

The present enrolment. November 15, 1929, pages 470-471.

Preliminary announcement of the Des Moines meeting. November 29, 1929, pages 511-530.

The Des Moines prize. December 6, 1929, pages 546-547.

Life membership in the American Association. December 13, 1929, pages 568-570.

General lectures for the Des Moines meeting. December 20, 1929, pages 594-595.

The citations given above constitute all the officially published material concerning the American Association and its work for the calendar year 1929, excepting what is contained in the volume of Summarized Proceedings of the American Association for the Advancement of Science for 1925 to 1929, which appeared October 15, 1929. That volume is obtainable from the permanent secretary's office, in the Smithsonian Institution Building, Washington, D. C., and it contains references for the period from June, 1925, to June, 1929.

Many addresses and papers given at the Des Moines meeting are to appear in forthcoming issues of *SCIENCE*, from the issue for January 3 onward. The general reports of the meeting are to appear about February 1 and they will probably occupy most of the pages of two issues of the journal.

BURTON E. LIVINGSTON,
Permanent Secretary

OBITUARY

HARRY TAYLOR MARSHALL

NEAR the center of the campus there stands a small plain brick structure, the original Medical Building of the University of Virginia. Here for almost a century medicine was taught, at first the complete curriculum, during later decades only several branches. Here I first met Harry Taylor Marshall in the autumn of 1908 when he came to assume the duties of the Walter Reed professorship of pathology and bacteriology in succession to Dr. Charles H. Bunting, who had been called to the Medical School of the University of Wisconsin. Here over a long period of years I saw Dr. Marshall almost daily. Pathology and bacteriology occupied the basement and second floor; the first floor gave accommodations for histology and embryology. Under the conditions of such intimate as-

sociation for so long a period only deep friendship, complete estrangement or a working basis of tolerance could develop. Dr. Marshall quickly drew respect and affection from all his associates, and such was our relationship for twenty years. It seems the refinement of cruel fate that after laboring for so many years under the serious handicaps of inadequate quarters and a meager equipment, he should have had to die when his long-cherished hopes and plans for a modern fully equipped laboratory in a new medical building had just been realized. He had moved into his new quarters, but he had not been able to assume his teaching work. His new student laboratory, suite of offices, technical rooms, media rooms and autopsy rooms had been planned with the greatest care. The combination represents a layout for the teaching of