

It is planned that the board shall meet three times a year and that the individual members will follow closely all research work conducted by the company and act in an advisory capacity on matters concerned with pure science.

In a statement made by Mr. S. M. Kintner, manager of the laboratories, he says: "It is our purpose that the board members advise us along purely scientific lines. We expect them to stimulate our research specialists by their suggestions, to bring up-to-the-minute theories into our work and to act as a check on the scientific work upon which we are engaged."

Some members of the board will serve for one year and the others have been appointed for two-year terms. Thus, as changes are made in the personnel, there always will be members who have served for at least one year.

Plans now are being carried through for the enlargement of the present laboratories. An addition to the present building which will nearly triple the floor space is under construction at a cost of \$500,000. The addition, which includes a large power house, will centralize the laboratories, some of which through lack of space have been forced to find quarters in the main plant.

#### THE TWENTY-FIFTH ANNIVERSARY OF THE ILLINOIS STATE GEOLOGICAL SURVEY

THE Illinois State Geological Survey through Dr. M. M. Leighton, chief, announces the celebration of its quarter-centennial anniversary. The celebration will be held in Urbana, on April 30 and May 1, in conjunction with the annual meeting of the Illinois Academy of Science on May 2 and 3, and will include two symposia, one on "Research Needs of Illinois' Coal Industry," and the other on "Studies Relating to the Order and Conditions of Accumulation of the Coal Measures." Many state and academic geologists have signified their intentions of being present, since the topics of discussion have wide-spread applications.

The proceedings will open with the dedication by Dr. Edson S. Bastin of the Quarter-Centennial Program to the memory of T. C. Chamberlin and R. D. Salisbury.

The dedication will be followed by a historical retrospect of geological investigations in Illinois and their relations to the state, when the speakers and subjects will be:

*Investigations previous to the founding of the present State Geological Survey:* PROFESSOR C. W. ROLFE.

*The initiation of the State Geological Survey:* DR. H. FOSTER BAIN.

*The State Geological Survey during the period 1909-1923:* MR. FRANK W. DEWOLF.

*The State Geological Survey during the period 1923-1930:* DR. M. M. LEIGHTON.

Speakers taking part in the symposium on the research needs of Illinois' coal industry will be Dr. M. S. Ketchum, Dr. J. A. Garcia, Dr. E. A. Holbrook, Dr. F. C. Honnold, Dr. S. W. Parr and Dr. Reinhardt Thiessen. Studies relating to the order and conditions of accumulation of the coal measures will be reported by Dr. J. Marvin Weller, Dr. H. R. Wanless, Dr. R. C. Moore, Dr. F. B. Plummer, Mr. Wilber Stout, Mr. David B. Reger, Dr. G. H. Ashley and Dr. David White.

Those who will take part in the discussions that will follow the symposia include Professors A. C. Willard, W. H. Severns and Dr. T. E. Savage, of the University of Illinois; Dr. Gilbert H. Cady, Illinois State Geological Survey; Dr. G. F. Kay, state geologist of Iowa and dean of the college of liberal arts and sciences, University of Iowa; Dr. H. A. Buehler, state geologist of Missouri; Dr. G. E. Condra, dean and director of the conservation and survey division, University of Nebraska; Dr. C. N. Gould, director of the Oklahoma Geological Survey, and others.

#### THE AMERICAN PHILOSOPHICAL SOCIETY

THE annual meeting of the American Philosophical Society opened in Philadelphia on April 24. The Saturday night session commemorates the two hundred and third anniversary of the founding of the society by Benjamin Franklin, in April, 1727.

There will be a dinner on April 26 at the Bellevue-Stratford with Captain Sir Hubert Wilkins, explorer; Dr. James Rowland Angell, president of Yale University, and Dr. Edwin Grant Conklin, professor of zoology, Princeton, as speakers, and Dr. John H. Finley, of the *New York Times*, as toastmaster. Sir Hubert's subject will be "Seeking Useful Knowledge"; Dr. Angell's, "Promoting Useful Knowledge," and Dr. Conklin's, "The Service of Science to Mankind."

Papers and a report of progress will be presented in the "intellectual stock-taking" inaugurated last year by Dr. Francis X. Dercum, the president. All day-time sessions at which these papers will be read will be in the 141-year old hall of the society.

Papers on Thursday's program were read by Dr. Clinton J. Davison, Dr. Herbert E. Ives, both of the Bell Telephone Laboratories; Professor Arthur E. Kennelly, Harvard University; Professor Clyde Egleton, New York University; Professor Emory R. Johnson, University of Pennsylvania; Dr. Alfred V. Kidder, Carnegie Institution of Washington; Professor William B. Scott and Dr. Glenn L. Jepsen, Princeton University, and Professor Henry Fairfield Osborn, American Museum of Natural History.

The program for April 25 includes the annual ad-

dress of the president, matters of business and the election of officers and members, and papers by Dr. Detlev W. Bronk, Professor Rodney H. True, Dr. Harlan H. York, Professor Ephraim Avigdor Speiser and Professor John C. Rolfe, University of Pennsylvania; Dr. Albert F. Blakeslee and Dr. Howard J. Banker, Carnegie Station for Experimental Evolution; Dr. George W. Crile, Cleveland Clinic and Cleveland Clinic Hospital; Dr. Frederick S. Hammett, Research Institute of Lankenau Hospital, and Dr. Daniel T. MacDougal, Carnegie Institution of Washington.

The afternoon session on Friday is given over to a symposium on the outlook for higher education in the United States which was organized by Dr. Frank Aydelotte, president of Swarthmore College. The speakers are Dr. Abraham Flexner, former secretary of the General Education Board; Dr. F. J. E. Woodbridge, former dean of the Graduate School, Columbia University, and Dr. Aydelotte.

On Friday evening there will be a reception in the hall of the Historical Society of Pennsylvania and an illustrated lecture by Professor William F.

Albright, of the Johns Hopkins University, entitled "A Millennium of Biblical History in the Light of Recent Excavations."

Speakers on Saturday morning will be Professor Fay Cooper-Cole, University of Chicago; Dr. Aleš Hrdlička, U. S. National Museum; Professor Roland B. Dixon, Harvard University; Dr. George Grant MacCurdy, Yale University; Professor David Reisman and Professor L. V. Heilbrunn, University of Pennsylvania; Professor E. Newton Harvey and Dr. Peter A. Snell, Princeton University; Professor J. H. Ashworth, University of Edinburgh, and Professor Samuel A. Mitchell, University of Virginia.

Saturday afternoon will be devoted to a symposium on astronomy and astrophysics organized by Dr. John A. Miller, director of Sproul Observatory, Swarthmore. In addition to Dr. Miller the speakers will be Professor Ernest W. Brown, Yale University; Dr. John S. Plaskett, director of the Dominion Astrophysical Observatory, Victoria, B. C.; Professor John Q. Stewart, Princeton University, and Professor Harlow Shapley, director of Harvard College Observatory.

## SCIENTIFIC NOTES AND NEWS

IN connection with the ceremonies in honor of the eightieth birthday of Dr. William H. Welch on April 8, an address with lantern illustrations was given at the London School of Hygiene and Tropical Medicine by the director, Sir Andrew Balfour, on Dr. Welch's life and work.

DR. CHARLES VALUE CHAPIN, who, beginning in 1884, was for a long series of years superintendent of health of Providence, Rhode Island, was presented with the Sedgwick Memorial Gold Medal for outstanding achievement in public health at the banquet of the New England Health Institute. The presentation was made by Surgeon-General Hugh S. Cumming, of the U. S. Public Health Service.

THE doctorate of science was conferred on Dr. C. G. Abbot, secretary of the Smithsonian Institution, by the Case School of Applied Science on the occasion of the installation of Dr. William Elgin Wickenden as president of the school. Dr. Abbot gave an address on "The Opportunities of Science."

DR. RODNEY H. TRUE, of the University of Pennsylvania, who is visiting Tucson, Arizona, and other points in the Southwest in connection with the work of the Committee of One Hundred of the American Association for the Advancement of Science, gave the John Wesley Powell Lecture at the University of Arizona on April 22.

PROFESSOR M. I. PUPIN, of Columbia University, has been elected president of the University Club of New York City.

DR. OSKAR LOEW, professor of chemical physiology in the University of Berlin, has been awarded the Liebig Medal of the Bavarian Academy of Sciences, in recognition of his services to agriculture.

AT the meeting of the Chemical Society, London, on March 27, the Longstaff Medal was presented to Dr. W. H. Mills, lecturer in organic chemistry at the University of Cambridge, and the Harrison Memorial Plaque and Prize to Dr. R. P. Linstead.

DR. HANS MOLISCH, professor of botany in the University of Vienna, celebrated the fiftieth anniversary of his doctorate on March 20.

DR. ALEXANDER WETMORE has been elected a foreign member of the British Ornithologists' Union. Dr. Wetmore sailed from New York on April 10 for Spain, where he will be engaged for a month in making collections of birds for the National Museum in the Cantabrian Mountains. Later he expects to visit museums in Paris, Brussels and London, and then to attend the International Ornithological Congress in Amsterdam.

THE sixtieth annual meeting of the Wisconsin Academy of Sciences, Arts and Letters was held at the University of Wisconsin on April 11 and 12, in