

held after each field trip. Upon their return to Princeton about September 1, the undergraduates of the party will receive a final examination in the course.

Professor Richard M. Field, of the department of geology, will direct the trip and will be assisted by Professor A. F. Buddington. Associated with the project is a group of scientific and business men who form an advisory council. Among them are: Dr. John Grier Hibben, Professor William Berryman Scott, chairman of the department of geology at Princeton; William G. Besler, president of the Railroad Presidents of America; David White, chairman of the division of geology and geography of the National Research Council; E. F. Carry, president of the Pullman Company; Charles Campbell, deputy minister of mines for Canada; Ralph Budd, president of the Great Northern Railroad; Stephen T. Mather, director of the National Park Service; H. C. Bumpus, secretary of the American Museum's committee; A. D. Mead, vice-president of Brown University, and C. D. Walcott, president of the Smithsonian Institution.

The course will be open to American undergraduates who have had at least one year of college geology; to American and foreign graduate students, and to instructors or professors in geology.

The principal stops planned for the tour are the Silurian section at Niagara Falls, the Mesabi Copper Mines and Smelter at Anaconda, the Columbia River Basin and Lava Flows, Mt. Ranier, Crater Lake, Yosemite, Los Angeles Oil Fields, the Grand Canyon Flagstaff Volcanic Fields, the Petrified Forest, the Appalachian Coal Fields, the Appalachian Province and the Coastal Plain Province.

ENDOWMENT FOR THE HENRY PHIPPS INSTITUTE

ON February 20 announcement was made of the offer to the University of Pennsylvania on the part of Mr. and Mrs. Henry Phipps, of New York, to assist in the creation of an endowment for the Henry Phipps Institute for the study, treatment and prevention of tuberculosis. The board of trustees has formally accepted this offer. Mr. and Mrs. Phipps propose to give toward the endowment the sum of \$500,000, on condition that the University of Pennsylvania raises an equal amount before January 1, 1927; on the fulfilment of this condition, there will also be deeded to the university all buildings and equipment belonging to the institute. Further provision has been made by the university authorities for the gradual accumulation of the funds allotted to the institute in its plan for raising the sum of \$45,000,000, over a term of fifteen years. When this campaign is successfully completed, the Phipps Institute will have a total endowment of \$2,300,000.

The Henry Phipps Institute was founded in 1903 by Mr. Henry Phipps, with Dr. Lawrence F. Flick, of Philadelphia, as medical director. In 1910, in order to provide continuity and permanence in development, the institute was placed under the care of the University of Pennsylvania under the general direction of a committee of the board of trustees. The funds to maintain the work were supplied by Mr. Phipps until 1919, and since that time have been provided partly by Mr. Phipps, and also by the University of Pennsylvania, the Carnegie Corporation and the Welfare Federation of Philadelphia. There has never been an endowment for the institute.

An important feature of the plan for the endowment is the provision that when the need for further study of tuberculosis is no longer pressing, either through the discovery of a cure or the effective control of the disease through other measures, the income of this endowment may be used for the study of other diseases.

The directors of the institute at present are Dr. Charles J. Hatfield, Dr. Eugene L. Opie and Dr. H. R. M. Landis.

REGIONAL MEETING OF THE AMERICAN CHEMICAL SOCIETY AT MADISON

A MEETING of mid-western sections of the American Chemical Society will be held at Madison, Wisconsin, from May 28 to 29, at which time the local section will be hosts to all those contributing to the publication of the *Chemical Bulletin*. Besides the member sections, which consist of the Milwaukee, Minnesota, Iowa, Ames, Louisville, Nebraska, Illinois, Purdue, Arkansas and St. Joseph Valley groups, there have been invited the Indianapolis, Iowa-Illinois, St. Louis and Omaha sections. While the meeting is essentially regional in that contacts will be made with chemists of some seven states, yet it will also assume something of a national scope in that the section of paint and varnish chemistry and the division of cellulose chemistry will each hold a meeting in Madison at that time also.

Arrangements for the meeting are in charge of the following members of the Wisconsin section, acting as chairmen of their respective committees: Farrington Daniels, executive; J. H. Mathews, program; Victor Lenher, finance; H. A. Schuette, publicity; A. W. Schorger, general entertainment; Miss Abby L. Marlatt, ladies' entertainment; H. N. Calderwood, Jr., registration; F. C. Krauskopf, excursions, and L. L. Withrow, guides.

Entertainment has been liberally provided for. It will take the form of a banquet with special features, group luncheons, auto rides to points of historical and local interest, personally conducted launch rides

on Lake Mendota and inspection of the chemical laboratories on the university's campus.

A program of scientific papers and general addresses, which will be opened by President Glenn Frank, of the University of Wisconsin, will be given, which, it is hoped, will bring to a focus the conspicuous lines of chemical investigation characteristic of that being carried on in the research centers of the middle west. Following the precedent set by the national society, visitors will be asked to be "paying guests," a registration fee of two dollars having been fixed to help defray the expenses of the meeting.

A SCIENTIFIC STUDY OF EDUCATIONAL WORK IN MISSISSIPPI

DURING the last three months of 1925, a survey of the entire public educational system of Mississippi was completed under the direction of Professor M. V. O'Shea, of the University of Wisconsin. It was found while the work was in progress that there were a number of educational and scientific problems that could not be solved without an extensive application of intelligence tests and measurements of educational achievement. Bernard B. Jones, of Washington, D. C., a former resident of Mississippi, who has contributed liberally to the support of higher education in the state, agreed to finance a comprehensive test and measurement program and appropriated a very generous sum for the work. The funds are being administered by Governor Whitfield. Professor O'Shea, who is directing the work, has the counsel of a board of consultants of twelve leaders in work in intelligence tests and educational measurements, in addition to Professor V. A. C. Henmon, Curtis Merriman and John G. Fowlkes, all of the University of Wisconsin, who are associated with Professor O'Shea in carrying through the program and scoring, tabulating and interpreting the results. Intelligence tests, measurements of achievement and tests for aptitudes will be applied to approximately 50,000 pupils in the elementary and high schools and the colleges and university, and in addition data relating to the hygiene and educational conditions of school buildings and the dietary regimen of pupils will be secured and correlated with intelligence and educational data. It is expected that a large amount of data of educational and scientific value will be secured from this thorough-going program, which is more extensive than has ever been carried through in any state heretofore.

SCIENTIFIC NOTES AND NEWS

A BUST of Dr. William H. Welch, director of the School of Hygiene and Public Health at the Johns Hopkins University, was unveiled on February 22 on the occasion of the commemoration day exercises

of the university. Dr. Simon Flexner, director of the Rockefeller Institute, made the presentation speech.

PRESENTATION of the William H. Nichols Medal to Dr. S. C. Lind, associate director of the Fixed Nitrogen Research Laboratory, will take place at a meeting of the New York Section of the American Chemical Society at the Chemists Club on March 5. Dr. Colin G. Fink, of Columbia University, will speak on "My Friend, Lind," and Dr. Arthur B. Lamb, of Harvard University, on "Lind, the Chemist." Dr. S. C. Lind will deliver the address of acceptance on "Chemical Activation by Alpha Particles."

DR. K. F. HERZFELD, professor of theoretical physics and chemistry in the University of Munich, will arrive next month to fill an appointment as the first James Speyer visiting professor at the Johns Hopkins University. The professorship was recently established with an endowment of \$50,000 given by James Speyer to provide for an exchange of knowledge between Germany and the United States by bringing a distinguished German scientist to this country each year.

ROY CHAPMAN ANDREWS, of the American Museum of Natural History, had conferred upon him an honorary degree by Brown University on February 24.

THE Robert W. Hunt medal was awarded to C. L. Kinney, Jr., metallurgist, of Chicago, at the annual meeting of the American Institute of Mining and Metallurgical Engineers, held in New York, for his paper on "The Economic Significance of Metalloids in Basic Pig Iron in Basic Open-hearth Practice." The J. E. Johnson, Jr., award was given to S. P. Kinney, metallurgist, U. S. Bureau of Mines Experiment Station, Pittsburgh, in recognition of his research work along blast-furnace lines.

THE Royal Danish Society of Science has awarded one of its annual gold medals for prize treatises to Harry Raymond and Ralph E. Wilson, both of the Dudley Observatory, Albany, for their observations in relation to the sun and certain stars.

LOYD A. JONES, physicist of the Eastman Kodak Co., has been awarded a prize of \$250 by the Association of Scientific Apparatus Makers of America, for his paper on "Photographic Spectrophotometry." The prize was given for the best paper on scientific instruments presented during 1924 for publication in the instrument section of the *Journal* of the Optical Society of America and *Review of Scientific Instruments*.

DR. G. CLARIDGE DRUCE, of England, was elected a corresponding member of the Botanical Society of Geneva at the recent jubilee celebrations.