

The secretary is authorized to arrange for the payment of transportation charges on new apparatus for research, useful charts and demonstration devices which the members may be willing to display. The consignments should be shipped to Dr. J. B. Miner, division of applied psychology, Carnegie Institute of Technology. A convenient room for exhibiting apparatus will be provided. Members, however, should supervise the setting up of their apparatus and the re-packing of it, so as to relieve the local committee from responsibility for possible injury. There will be also an opportunity to exhibit mental and educational tests, with charts or tables of results and directions for giving each test. These will be placed with the apparatus exhibit.

H. S. LANGFELD,
Secretary.

HARVARD UNIVERSITY

THE SECTION OF EDUCATION OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

SECTION L of the American Association for the Advancement of Science will hold its annual meeting at Pittsburgh, on December 29 and 31, and January 1.

The general subject of the program is the scientific study of educational problems. Any paper dealing with a topic of this character will be acceptable. This year the section will be particularly glad to receive papers dealing with

1. Studies of the Reliability of Educational or Mental Tests.
2. Correlations between Educational Abilities.
3. New Tests for the Measurement of Educational Products.
4. Studies of the Relative Efficiency of Different Methods of Teaching.
5. Scientific Determinations of Desirable Content for Courses in Study.
6. Studies of the Diagnosis and Remedy of Educational Defects.

Membership in the Section is open to all interested in education, and the sectional committee will be glad to consider any papers submitted. You are hereby invited to take part in the meetings of the Section, or, if you

are unable to contribute a paper yourself, to aid in the work of the section by bringing this invitation to the attention of any person known to you to be attempting the scientific evaluation of the effects of any educational experiments in which they may be engaged.

All titles should be sent to the secretary by November 24, before if possible.

S. A. COURTIS,
Secretary Section L

SCIENTIFIC NOTES AND NEWS

A MEMORIAL meeting for Professor Wm. Bullock Clark was held at the Johns Hopkins University on the Sunday afternoon of November 4, President Frank J. Goodnow presiding. The speakers were Dr. Charles D. Walcott, the secretary of the Smithsonian Institution; Mr. R. Brent Keyser, the president of the board of trustees of the university; Professors Harry Fielding Reid and J. S. Ames, of the faculty, and Judge J. T. C. Williams, of the Baltimore Juvenile Court.

DR. ALONZO E. TAYLOR, of the University of Pennsylvania, now of the food administration at Washington, is a member of the American Commission to the Allied War Conference to be held in Paris on November 15.

PROFESSOR A. O. LEUSCHNER, director of the astronomical department of the University of California, at Berkeley, has been delegated by the director of instruction in the navigation schools of the United States Shipping Board, to administer the details of instruction on the Pacific coast and in particular to provide qualified instructors.

DR. F. B. KINGSBURY, assistant professor of physiological chemistry in the University of Minnesota, has been granted leave of absence for the duration of the war. He has been commissioned first lieutenant in the sanitary corps of the Army and will be directly under Major John R. Murlin, of the Food Division. His work at first will be in the army medical school, in preparation for the nutritional survey of the army camps and cantonments here and at the front.

DR. ALEXANDER HAMILTON RICE, the explorer, has been commissioned senior lieutenant in the

naval reserves. He will have charge of the departments of astronomy and navigation in the Naval Cadet School at Newport, R. I.

PROFESSOR RICHARD W. HUSBAND, of Dartmouth College, whose services have been loaned to the State Committee on Public Safety, will write a complete history of New Hampshire's part in the war. Men have been named to compile statistics in the cities and towns.

Popular Astronomy states that Dr. F. C. P. Henroteau, of Brussels, has been appointed Martin Kellogg Fellow in the Lick Observatory for the year 1917-18. Since leaving Brussels, in August, 1914, Dr. Henroteau has spent fourteen months in work at Stonyhurst College Observatory, in England, and nearly a year and a half at the Detroit Observatory, Ann Arbor, Michigan. Mr. Holger Thiele has also been appointed fellow in the observatory for the year 1917-18 and is now in residence. Mr. Thiele was assistant in the observatory at Bamberg, Bavaria, in 1900-01, in the observatory at Copenhagen 1901-07 and in the observatory at Bergedorf, Hamburg, from 1908 to February, 1917.

DR. J. C. WITT, for the past two years engaged in industrial research at the Bureau of Science, Manila, has been appointed technical director of the Rizal Cement Company. This company operates the only cement mill in the Philippine Islands.

At the Museum of the University of Pennsylvania, Dr. G. B. Gordon, the director of the museum, is away on a six months' leave of absence and Dr. W. C. Farabee has been appointed acting director in his place; Mr. H. U. Hall, assistant curator of the section of general ethnology, is now with the Second Pennsylvania Field Artillery at Camp Hancock, Augusta, Georgia; Mr. B. W. Merwin, assistant curator in the American section, has left the museum for military service, and is stationed at Macon, Georgia.

MR. W. ELMER EKBLAW of the University of Illinois, has been appointed research associate in geology in the American Museum of Natural History for the years 1917 and 1918, in recognition of his record and services on

the Crocker Land Expedition during the years 1913 to 1917.

HONORARY membership in the Chemists' Club, New York City, was conferred upon Professor Grignard, of the French Mission, at a joint meeting of the New York Section of the Society of Chemical Industry, American Chemical Society and the American Electrochemical Society, on October 19. An address was made by Professor Grignard.

OWING to the resignation on account of ill health of Mr. W. B. Worthington, president of the Institution of Civil Engineer of Great Britain, Mr. H. E. Jones, a vice-president, has been nominated president for the ensuing year.

At the annual statutory meeting of the Royal Society of Edinburgh, held on October 22, the following office-bearers and members of council were elected: President, Dr. J. Horne; vice-presidents, the Right Hon. Sir J. H. A. Macdonald, Professor R. A. Sampson, Professor D'Arcy Thompson, Professor J. Walker, Professor G. A. Gibson, and Dr. R. Kidston; General Secretary, Dr. C. G. Knott; Secretaries to Ordinary Meetings, Professor A. Robinson and Professor E. T. Whittaker; Treasurer, Mr. J. Currie; Curator of Library and Museum, Dr. A. C. Mitchell; Councillors, Dr. J. H. Ashworth, Professor C. G. Barkla, Professor C. R. Marshall, Dr. J. S. Black, Sir G. A. Berry, Dr. J. S. Flett, Professor M. Maclean, Professor D. Waterson, Professor F. O. Bower, Professor P. T. Herring, Professor T. J. Jehu, and Dr. A. Lauder.

PROFESSOR E. C. JEFFREY, of Harvard University, gave a lecture on "The Origin of Coal" at Wellesley College, on November 6.

THE three hundred and thirty-fourth meeting of the American Institute of Electrical Engineers was held in the Auditorium of the Engineering Societies Building, New York, on November 9. The paper of the evening was entitled "An experimental method of obtaining the solution of electrostatic problems with notes on high-voltage bushing design," by Mr. Chester W. Rice, of the General Electric Company.

WE learn from *Nature* that on October 10 a memorial tablet was unveiled at Oxford, commemorating the life and work of Roger Bacon. The tablet has been fixed to the old wall of the city, dating from early in the thirteenth century, close to the site of the Grey Friars Church in the precincts of which Roger Bacon was buried. The church has long since disappeared, but the position of the burial ground, though not the exact spot of Bacon's grave, is known. After the celebration at Oxford in 1914 of the seven hundredth anniversary of Bacon's birth, it was thought fitting that in addition to the statue then created in the University museum, a permanent and public memorial should be set up as near as possible to the site of the Franciscan friary in which Bacon passed so many years of his strenuous life. This has now been accomplished.

THE death is announced, at seventy-three years of age, of Professor A. J. F. Dastre, director of the laboratory of animal physiology at the Sorbonne, and a member of the Paris Academy of Sciences.

DR. ADDISON, the minister of reconstruction of Great Britain, has appointed a committee to consider and report on questions connected with the supplies of raw materials which will be required by British industries for the purpose of restoring and developing trade after the termination of the war and the best means of securing and distributing supplies, due regard being had to the interests of the Allies. The committee, which will be known as the Central Committee of Materials, consists of the following members: Sir Clarendon Hyde (chairman), Sir H. Birchenough, K.C.M.G., Mr. Cecil Budd, Sir C. W. Fielding, K.B.E., Sir H. Babington Smith, K.C.B., Mr. W. Thorneycroft and Mr. A. Weir. The secretary is Mr. J. F. Ronca, who should be addressed at the Ministry of Reconstruction, 2 Queen Anne's Gate Buildings, Westminster, S.W. 1.

WE learn from *Nature* that a meeting was held at the Manchester School of Technology on November 10, under the chairmanship of Dr. Alfred Réé, for the purpose of inaugurat-

ing a British Association of Chemists. The objects of the proposed association are (a) to obtain power to act as sole registration authority for all chemists; (b) to have the word chemist legally redefined; (c) to safeguard the public by obtaining legislation ensuring that certain prescribed chemical operations be under the direct control of a chemist, and (d) to raise the profession of the chemist to its proper position among the other learned professions, so that it may attract the attention of a larger proportion of the best intellects, and thereby secure a supply of highly trained chemists adequate to the industrial needs of the country. The secretary of the Provisional Committee is Mr. R. E. Crowther, 3 Langford Road, Heaton Chapel, near Stockport.

At the Pittsburgh meeting of the American Association for the Advancement of Science, Section G—Botany, will hold on Saturday, December 29, at 2 P.M., a joint session with the Botanical Society of America and the American Phytopathological Society. The program will be as follows:

"The near future of botany in America" (vice-presidential address), C. Stuart Gager.

Invitation Papers Relating to War Problems in Botany

"A new wheat disease in relation to the national food supply," Erwin F. Smith.

"Plant disease survey work and its relation to food production," G. R. Lyman.

"Forestry problems after the war," I. W. Bailey.

"War work of the botanical committee of the National Research Council," John M. Coulter.

THE course of scientific lectures of the California Academy of Science have been continued on Sunday afternoons at 3 o'clock in the Auditorium of the Museum in Golden Gate Park. Announcements for the month were as follows:

October 28. Mr. Henry H. Hart, assistant city attorney. San Francisco, Hawaii Nei. (Illustrated.)

November 4. Dr. Bailey Willis, head, department of geology, Stanford University, The Chinese at home. (Illustrated.)

November 11. Professor G. A. Coleman, college of agriculture, University of California, Natural

history and manipulation of bees. (Illustrated by moving pictures.)

November 18. Professor George D. Louderback, department of geology, University of California. Geological explorations in China. (Illustrated.)

These lectures are well received by the people of San Francisco and the number of regular attendants is particularly noteworthy. The auditorium of the academy has been filled to its capacity several times during the past month.

THE forty-second year of the *Ecole d'Anthropologie de Paris* opened on November third with courses offered as follows:

1. R. Anthony, Development of the brain in man and the apes.

2. L. Capitan, Art and architecture during the neolithic and protohistoric periods.

3. G. Herve, Ethnology and ethnography in France during the eighteenth century.

4. P. G. Mahoudeau, The precursors and the authors of evolution: Buffon, Lamarck, Darwin.

5. L. Manouvrier, Ethnic psychology.

6. A. de Mortillet, Burial customs among ancient and modern primitive races.

7. C. Papillault, Psycho-social values and sophisms.

8. F. Schrader, Geographic causes of rapprochement and differentiation among human groups.—Evolution of the old world.

9. J. Vinson, Primitive languages, popular language, folk-lore.

In addition there are two short courses of eight lectures each on: (1) The survival of primitive industries, by D. Bellet; and (2) Falsehood from the viewpoint of anthropology and criminology, by Paul-Boncour.

UNIVERSITY AND EDUCATIONAL NEWS

YALE UNIVERSITY receives the sum of \$300,000 by the will of Mrs. Charles W. Harkness, who died on December 6, 1916.

HARVARD UNIVERSITY has received a bequest from the estate of Horace Davis amounting to \$10,000, the income of which is to be used for the purchase of books for the Harvard University Library relating to the Northern Pacific Ocean and its shores. The university has also received a gift of \$50,000 from Mrs. S. Parkman Blake, the income to be used "for the care

of the yard or other grounds of the university." The gift is a memorial to her husband, S. Parkman Blake, of the class of 1855, and to her son, Robert Parkman Blake, of the class of 1894.

IN accordance with the terms of the will of the late Richard Black Sewall, of Boston, there are public bequests amounting to \$380,000, and the residuary legatees are Harvard University and Yale University. The Boston Museum of Fine Arts, the Massachusetts Institute of Technology, the Worcester Polytechnic Institute, Williams College and Amherst College each receives \$30,000. Tuskegee Institute and Hampton Normal Institute are each given \$5,000.

THE Converse Library at Amherst College was dedicated on November 8. The new \$250,000 building is the gift of Edmund C. Converse, of New York, in memory of his brother, James B. Converse, who was a member of the class of '67 at Amherst. Mr. Converse, Herbert Putnam, librarian of Congress, and George A. Plimpton, of New York, president of the college board of trustees, took part in the exercises.

THE University of Rochester has expanded its work in psychology. Quarters are now provided for an experimental laboratory, and are thoroughly equipped for experimental purposes. Two experimental courses will be given during the present year. One course, extending through the college year, emphasizes the psychology of the sense organs and more complex mental processes. The second course takes up the study of comparative psychology. Quarters for animal experimentation have been provided. The course is under the charge of L. A. Pechstein, Ph.D. (Chicago).

ARTHUR L. FOLEY, head of the department of physics of Indiana University, has been elected research professor in the Waterman Institute, the first to be elected to this position. The institute was founded and endowed a few years since by Dr. Luther Dana Waterman, a retired physician of Indianapolis. It is under the control of the trustees of Indiana University and is in part supported by the uni-