

Through the kindness of Harvard students of psychology and philosophy, a limited number of dormitory rooms in Cambridge have been placed at the disposal of the Harvard department for assignment to members of the visiting associations. By the courtesy of the Bertram Hall committee and of Radcliffe students, twenty rooms in Bertram Hall, the Radcliffe College dormitory, will be placed at the disposal of women attending the meetings, preference being given to regular members of the association.

#### SCIENTIFIC NOTES AND NEWS.

SIR JOHN SCOTT BURDON-SANDERSON, formerly Waynflete professor of physiology and regius professor of medicine at Oxford, has died at the age of seventy-seven years.

DR. GEORGE H. DARWIN, F.R.S., Plumian professor of astronomy and experimental philosophy at Cambridge, has been knighted by King Edward.

THE Southeastern Passenger Association has granted a rate of one fare plus twenty-five cents to those attending the New Orleans meeting of the American Association for the Advancement of Science. Other roads will probably make similar arrangements.

THE American Chemical Society will meet in New Orleans in connection with Section C of the American Association for the Advancement of Science from December 29 to January 2, 1905-06. The president of the society is Dr. Francis P. Venable, of Chapel Hill, N. C., the secretary, Dr. William A. Noyes, of the Bureau of Standards, Washington, D. C. The chairman-elect of Section C is Professor Charles F. Mabery, of the Case School of Applied Science, Cleveland, O., the secretary is Professor Charles L. Parsons, of Durham, N. H.

THE Botanical Society of America will meet in New Orleans from January 1 to 4, 1906, under the presidency of Professor R. A. Harper, of the University of Wisconsin. The headquarters are at the Hotel St. Charles, and the sessions will be held in the rooms of Tulane University. Mr. Frederick V. Co-

ville, the retiring president, has chosen as the subject of his address 'Botanical Explorations in Alaska.'

PROFESSOR V. F. BJERKNES, of the University of Stockholm, has arrived in this country to give the course of lectures at Columbia University that has already been announced.

A TESTIMONIAL banquet was given to Dr. Nicholas Senn, at the Auditorium Hotel, Chicago, on November 11, with about seven hundred physicians in attendance. Dr. Joseph D. Bryant, of New York City, presented a gold medallion to Dr. Senn, miniature replicas of which were distributed among those in attendance. On one side of the medallion was a likeness of Dr. Senn; on the other the inscription: "To Nicholas Senn, the Master Surgeon, from his Fellows, November 11, 1905." Dr. L. G. Nolte, of Milwaukee, Wis., presented Dr. Senn with a silver loving cup, given by his former private pupils.

PROFESSOR JACOB REIGHARD, of the University of Michigan, lectured on 'The Habits of Fishes' at the University of Kansas on November 16. This lecture was under the auspices of the Sigma Xi Society of the university. On Friday morning following he gave the convocation address before the students and faculty upon the subject of 'Instincts of Man.' On Friday evening Dr. Reighard was the guest of honor at a reception, giving him an opportunity to meet the faculty of the university.

DR. W. A. NOYES, of the U. S. Bureau of Standards and editor and secretary of the American Chemical Society, lectured last week before the chemical students of Lafayette College, Easton, Pa., on 'The History of the Discovery of the Composition of Water.'

DR. MAXIMILLIAN MAURER has been appointed director of the Meteorological Station of Zurich.

DR. WILHELM WUNSTORF has been appointed geologist in the Berlin Geological Bureau.

PROFESSOR KOEHLER, the president of the Imperial Bureau of Health at Berlin, has retired.

THE members of the council of the Royal Society for the ensuing year, in addition to

the officers, are as follows: Dr. Shelford Bidwell, Sir T. Lauder Brunton, M.D., Professor J. Norman Collie, Ph.D., Professor Wyndham R. Dunstan, M.A., Professor John Bretland Farmer, M.A., Professor Francis Gotch, D.Sc., Dr. Sidney Frederic Harmer, Sir William Huggins, K.C.B., Professor Edwin Ray Lankester, M.A., Dr. John Edward Marr, Mr. George Ballard Mathews, M.A., Mr. Hugh Frank Newall, M.A., Sir William Davidson Niven, K.C.B., Professor John Perry, D.Sc., Professor Ernest Henry Starling, M.D., Professor William Augustus Tilden, D.Sc.

SIR FREDERICK TREVES gave the opening address of the winter series of the Edinburgh Philosophical Institution on October 31, Lord Rosebery presiding.

A GENERAL monthly meeting of the members of the Royal Institution was held on November 6, Sir James Crichton-Browne, treasurer and vice-president, in the chair. The special thanks of the members were returned to Mr. Robert Hannah, M.R.I. for his gift of the picture, painted by him, of 'Master Isaac Newton in His Garden at Woolsthorpe, in the Autumn of 1665.' A Christmas course of lectures, adapted to a juvenile auditory, will be delivered at the Royal Institution by Professor Herbert Hall Turner, F.R.S., on 'Astronomy.' The dates of the lectures are December 28, 30, 1905, January 2, 4, 6 and 9, 1906, at 3 o'clock.

THE statue of Benjamin Silliman has been removed from its site on the old campus of Yale University, near the library, to a place between the Sloan and Kent laboratories.

ON October 13 a bust of the late Professor M. Nencki was unveiled in the chemical department of the Institute of Experimental Medicine, St. Petersburg. Professor Pawlow delivered an address.

A MEMORIAL to Theodore Schwamm, regarded as the originator of the cell theory, is to be erected in his native birthplace, Reuss. The sum of \$2,500 has already been collected for this purpose, but an additional sum of equal amount is wanted. It is proposed to create a scholarship as part of the memorial.

PROFESSOR JOHN LEWIS MORRIS, emeritus Sibley professor of practical mechanics and machine construction at Cornell University, died on November 19, at the age of sixty-three years.

THE death is announced of Mr. W. H. Andrews, assistant chemist in the New York State Agricultural Station at Ithaca.

DR. GUSTAVE DEWALQUE, formerly professor of geology at Liège, died at Liège on November 3, in his eightieth year.

DR. E. OUSTALET, professor of zoology in the Natural History Museum at Paris, has died, at the age of fifty-one years.

FREIHERR VON DER GOLTZ, director of the Agricultural Academy at Poppelsdorff and professor of agriculture at the University of Bonn, died on November 6, at the age of seventy-eight years.

THE death is also announced of Dr. W. P. Amalitzki, professor of geology and paleontology at Warsaw, and of Professor Bernhard Fischer, director of the chemical research laboratory at Breslau.

THE late Stephen Salisbury, of Worcester, Mass., has bequeathed the residue of his estate to the Worcester Art Museum, which, it is said, will receive more than \$3,000,000. Many other public bequests have been made by the will, including, in addition to \$200,000 to the Worcester Polytechnic Institute, some \$250,000 to the American Antiquarian Society and \$5,000 and a site for a building for the Worcester Natural History Society.

THE executive committee of the National Educational Association authorizes the announcement that the forty-fifth annual meeting will be held in San Francisco, Cal., from July 9 to 13, 1906. The lines of the Transcontinental Passenger Association have authorized a rate of one lowest first-class limited fare for the round trip plus \$2, National Educational Association membership fee *viâ* direct routes; this provides for going one route and returning another. For tickets routed *viâ* Portland, Oregon, in one direction the rate will be \$12.50 higher. The dates of sale will extend from June 25 to July 7, and the return

limit will be September 15. Stop-overs will be allowed west of the Missouri River and St. Paul on both the going and return trips. As has already been announced, the department of superintendence will hold its next meeting in Louisville, Ky., February 27 and 28 and March 1. Superintendent John W. Carr, president of the department, is formulating the program which it is expected will be issued early in December.

THE next meeting for the Australasian Association for the Advancement of Science will be held in Adelaide during January, 1907.

THE next meeting of the German Society of Experimental Psychology will be held at Würzburg on April 10 to 13. Reports will be presented on the following subjects: (1) the relations between experimental phonetics and psychology, by E. Krueger; (2) experimental esthetics, by O. Külpe; (3) the psychology of reading, by F. Schumann; and psychiatry and individual psychology, by R. Sommer.

THE International Congress on Milk Supply will hold its third congress at The Hague in 1907.

AN American Bison Society has been organized in New York City to take steps to prevent the extermination of the buffalo. The New York Zoological Society is prepared to give a herd of buffalos to be placed on the Wichita forest reserve in Oklahoma.

THE Nicholas Senn Club for Scientific Research has been incorporated in Chicago by Drs. Byron Robinson, Orville W. Mackellar and Arthur McNeal.

THE second session of the Graduate School of Agriculture will be held in the summer of 1906 at the agricultural college of the University of Illinois, under the auspices of the Association of American Agricultural Colleges and Experiment Stations and the University of Illinois.

THE Keep Commission is now investigating the Crop Department Bureau of the Department of Agriculture, of which no chief has been appointed since the resignation of Mr. John Hyde. It is said that the bureau may be abolished, its work being divided between the Weather Bureau and the Census Office.

At the instance of Professor Robert Fletcher, director of the Thayer School of Civil Engineering, and of the president and faculty of Dartmouth College, a series of lectures has been delivered to the engineering students on 'The Economics of Transportation and on Physical Hydrography,' by Professor Lewis M. Haupt, Sc.D., in which it was shown that the annual freight bill paid for overland transportation in the United States, exclusive of waterways, amounted to the enormous sum of \$2,600,000,000, and that although the United States has the lowest average tariff per ton-mile in the world, yet the European railways are able to charge from two to three times as much, with greater profits and still compete with this country for the foreign commerce of the world, because of their improved system of waterways. These facts serve to impress the benefits to all classes of carriers and producers resulting from the utilization of water routes for the raw and bulky materials of low values—not yet sufficiently appreciated by traffic managers of this country. The annual saving which might be effected by the betterment of the common roads as feeders was estimated to be enough to pay all the expenses of the government and the desirability of a much more rapid expansion of commercial channels to keep pace with the growth of vessels was forcefully presented.

#### UNIVERSITY AND EDUCATIONAL NEWS.

By the will of the late Stephen Salisbury the Worcester Polytechnic Institute receives a bequest of \$200,000. This money comes without restrictions of any kind on the part of the testator. In addition to this bequest Mr. Salisbury, at the time of his resignation a few weeks ago from the presidency of the board of trustees, made an additional gift to the institute of \$100,000, to be paid immediately.

FORMAL announcement of the \$250,000 legacy to the Sheffield Scientific School from the estate of the late M. D. Viets, of Granby, has been made by Professor Russell H. Chittenden, director of the school. The bequest will