

Competitors will be assembled only for the tests under the third subject. Three hours will be allowed for subject *a*, and two hours each for subjects *b* and *c*. Applicants must show that they have been graduated from colleges or technical schools, or show that they have obtained an equivalent scientific training. The Department desires that the appointee be not less than 20 nor more than 40 years of age and be in good physical condition. A preliminary rating will be made on the first two subjects as shown by the application and accompanying vouchers, and those applicants who fail to attain at least 70 per cent. on this portion of the examination will not be given the tests under the third subject.

On July 8 and 9 examinations will be held to fill at least four vacancies as computers in the Coast and Geodetic Survey at a salary of \$1,000 a year. The subjects and weights are:

Algebra	10
Plane and solid geometry.....	10
Trigonometry	15
Elements of calculus.....	15
Practical computations.....	50

On July 11 and 12 an examination will be held to fill twelve vacancies in the position of aid in the Coast and Geodetic Survey, at a salary of \$720. The age limit is eighteen to twenty-five years and the subjects and weights are:

Mathematics, including the elements of calculus	10
Practical computations.....	10
Astronomy	10
Physics	10
Surveying	10
Modern languages, translation from one European language.....	10
Drawing and descriptive geometry.....	10
Training and experience.....	10
Physical examination.....	20

On July 15 there will be an examination to fill the position of assistant in the Road-material Laboratory, Division of Chemistry, Department of Agriculture, with a salary of \$600 with prospects of promotion; and on July 15 and 16 there will be an examination for assistant (piece-work computer) in the Naval Observatory and the Nautical Almanac Office.

THE PITTSBURGH MEETING OF THE AMERICAN ASSOCIATION.

ARRANGEMENTS have now been made so that certificates will be honored from points in the territory of the Western Passenger Association which show the purchase of tickets for the Pittsburgh meeting of the American Association on June 26-30 inclusive in addition to June 19-25 inclusive.

GEORGE A. WARDLAW.

SCIENTIFIC NOTES AND NEWS.

SIR JOSEPH DALTON HOOKER has been appointed a foreign knight of the Prussian Ordre Pour le Merite for Science and Arts. Sir Joseph Hooker, who was director of the Kew Botanical Gardens from 1865-1885 and president of the Royal Society from 1872-1877, will celebrate his eighty-fifth birthday on June 30.

THE Huxley Lecture at Charing Cross Hospital will be delivered this year by Dr. William H. Welch, of the Johns Hopkins University.

LORD RAYLEIGH has been elected a corresponding member of the Vienna Academy of Sciences.

DR. S. ALFRED MITCHELL, tutor in astronomy at Columbia University, has been elected a fellow of the Royal Astronomical Society of England.

THE officers of the American Medical Association elected at the Saratoga meeting are: *President*, Frank Billings, of Chicago; *Vice-Presidents*, W. A. Witherspoon, of Tennessee, G. F. Comstock, of New York, C. R. Holmes, of Ohio, James H. Dunn, of Minnesota; *Secretary*, G. H. Simmons, of Illinois; *Treasurer*, H. P. Newman, of Illinois; *Orators*: Medicine, J. M. Anders, of Philadelphia; Surgery, A. F. Jones, of Omaha; State Medicine, W. H. Welch, of Baltimore. Little Rock, Arkansas, was recommended for the next place of meeting.

THE North Carolina Academy of Science was founded at Raleigh, on March 21, 1902. The following officers were elected for the current year: *President*, W. L. Poteat, Wake Forest College; *Vice-President*, T. Gilbert Pearson, State Normal College; *Secretary and Treas-*

urer, Franklin Sherman, Jr., State Entomologist; *Executive Committee*, W. L. Poteat, Franklin Sherman, W. W. Ashe, H. H. Brimley, Tait Butler, J. L. Kesler, B. W. Kilgore, F. L. Stevens and H. V. Wilson. The first meeting for the presentation of papers will be held during the first week in October.

OXFORD UNIVERSITY will on June 24 confer its honorary degree of D.C.L. on William H. M. Christie, C.B., F.R.S., Astronomer Royal, and on Arthur W. Rücker, F.R.S., principal of the University of London. The degree will also be conferred on Mr. Choate, Ambassador of the United States.

PRINCETON UNIVERSITY has conferred the degree of LL.D. on Mr. Morris K. Jesup, president of the American Museum of Natural History.

PRESIDENT NICHOLAS MURRAY BUTLER, of Columbia University, has received the degree of doctor of laws from Princeton University. It is understood that he will receive the same degree from Yale University and from the University of Pennsylvania. He will make the commencement address at the latter university.

COLUMBIA UNIVERSITY has conferred the degree of D.Sc. on Professor S. B. Christie, who has held the chair of mining and metallurgy in the University of California since 1885.

M. ÉMIL LAURENT, professor of agriculture in the Belgian national school at Gembloux, has been elected a correspondent of the Paris Academy of Sciences.

DURHAM UNIVERSITY has conferred the degree of D.C.L. on Sir W. S. Church, president of the Royal College of Physicians, London, and on Dr. Thomas Annandale, professor of clinical surgery at Edinburgh.

PROFESSOR CH. RICHET, the eminent French physiologist, has resigned the editorship of the *Revue Scientifique*, which he has held for twenty-five years. He is succeeded by M. Héricourt.

UNIVERSITY AND EDUCATIONAL NEWS.

DR. FRANCIS L. PATTON resigned the presidency of Princeton University on June 9,

but retains the Stuart professorship of ethics and the philosophy of religion. Dr. Woodrow Wilson, McCormick professor of jurisprudence and politics, was elected as his successor.

At the commencement exercises at the Johns Hopkins University last week, President Remsen announced that over \$900,000 had been subscribed toward the million dollar endowment fund.

THE University of Pennsylvania has received a gift of \$100,000 for the construction of the new medical buildings, the name of the donor being withheld for the present.

MR. A. A. POPE, of Cleveland, has given the Western Reserve University \$100,000 for buildings.

PRESIDENT JOSEPH SWAIN, of Indiana University, accepted the presidency of Swarthmore College, on condition that the endowment be increased by \$400,000. This sum has now been subscribed.

WELLS COLLEGE has received \$50,000 from Mr. Henry A. Morgan and \$25,000 from Mr. N. L. Zabriskie for buildings and equipment.

It is announced that the donors of the new physical laboratory for Wesleyan University, which is to cost \$75,000, are Mr. Charles Scott, Sr., Philadelphia, a trustee of the university, and Mr. Charles Scott, Jr., New York, a graduate of the class of '86. The building is to be a memorial of John Bell Scott of the class of '81.

THE appeal by the governors of University College, Dundee, has brought in over £24,000.

DR. E. H. GRIFFITHS, principal of University College, Cardiff, and formerly lecturer on physics at Cambridge, has offered to give his collection of apparatus to the college, if a building for a laboratory is provided at a cost of £2,000. He suggests that the laboratory be named in honor of the late Viriamu Jones. If Cardiff does not accept the offer, the collection will be presented to the National Physical Laboratory at Teddington.

THE Sir John Cass Technical Institute, London, erected at a cost of over \$150,000, was formally opened on May 5 by Lord Avebury.