

of America will be held at Union College, Schenectady, N. Y., October 20, 21 and 22. Headquarters will be at the Van Curler Hotel.

THE United States Civil Service Commission states that there is a vacancy in the position of senior aeronautical engineer at the Langley Memorial Aeronautical Laboratory, Langley Field, Va., at a salary of \$5,000 a year, and that in view of the importance of the position in the field of aeronautical research, and in order to secure the appointment of a thoroughly qualified man for the work, an unusual method of competition will be followed to fill the vacancy. Instead of the usual form of civil service examination, the qualifications of candidates will be passed upon by a special board of examiners, composed of Dr. G. W. Lewis, director of aeronautical research, National Advisory Committee for Aeronautics; Dr. F. C. Brown, acting director of the Museums of the Peaceful Arts; Mr. Starr Truscott, aeronautical engineer, National Advisory Committee, and Messrs. A. S. Ernest and A. W. Volkmer, examiners of the Civil Service Commission. For the purpose of this examination the persons named will be examiners of the Civil Service Commission. Applications should be received not later than October 4.

APPLICATIONS for pharmacologist in the Hygienic Laboratory, Public Health Service, Washington, D. C., and vacancies occurring in positions requiring similar qualifications, must be on file with the Civil Service Commission at Washington, D. C., not later than October 11. The entrance salary is \$3,600 a year. The work will be to carry on pharmacological and toxicological investigations and research. Competitors will not be required to report for examination at any place, but will be rated on their education, training, experience and fitness, and publications or thesis to be filed with the application.

A MOTION picture machine which will take 48,000 exposures a second and which will be useful in scientific and experimental work has been invented and patented in Germany. There are certain very fast operations beyond the human eye and ordinary film photography, where a scientific investigation at such high speeds has created an actual need for high-speed photography. Among these operations may be mentioned the investigation of electric discharges, electrical switching apparatus, the determination of the speed of bullets, the operation of high-speed looms and sewing machines, investigations of mental working machinery and oscillations and vibrations on almost every kind of machine, etc.

*Erratum.*—In the review of Eddington's book on "The Internal Constitution of the Stars," by Dr. H.

H. Plaskett, printed in the issue of SCIENCE for July 22, several lines were misplaced at the bottom of the right-hand column on page 82. The passage should read:

Of the several quantitative predictions furnished by Eddington's model, none is more striking or more general than this relation that the luminosity of a star, apart from a small factor depending upon the surface temperature, is a single-valued function of its mass. The relation contains but one disposable constant (the proportionality constant of Kramers's absorption law), and this is fixed from the mass, luminosity and effective temperature of a single star (Capella). It is then found that all thirty-seven stars of known mass and luminosity, both giants and dwarfs, lie on Eddington's mass-luminosity curve with the average residual of the order of half a magnitude.

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### UNIVERSITY AND EDUCATIONAL NOTES

KEUKA COLLEGE, at Penn Yan, N. Y., has received a gift of \$150,000 from Ball Brothers, glass manufacturers, of Muncie, Ind. This makes a total sum of \$250,000 which they have given to the college.

A CHAMBER OF COMMERCE committee in Cambridge, Mass., has reported that Cambridge property is \$30,000,000 underassessed, chiefly because of the big holdings of its colleges. A conference is recommended with officials of Harvard University and the Massachusetts Institute of Technology to see what steps might be taken to halt the continuous acquisition of property by these institutions. It is asserted that as holdings were diverted to educational uses, they automatically came off the tax list, forcing up the tax rate and discouraging new developments.

PROFESSOR A. F. KUHLMAN, who has been on leave of absence during the second semester of the present academic year, working for the Social Science Research Council, resumes his work in the University of Missouri at the beginning of the academic year and will act as chairman of the department during the absence of Professor Ellwood.

DR. HARRY F. WILKINSON has been appointed assistant professor in the department of surgery, in charge of work in otolaryngology at the medical school of the University of Chicago. Dr. Wilkinson has been a fellow in otolaryngology at the Mayo Clinic for about three years.

DR. RICHARD H. MEADE, of Richmond, Virginia, has been appointed assistant professor of surgery in the University of Virginia.

M. ROUCIERE has been appointed professor of anatomy at the University of Paris, to succeed M. Nicolas; M. Loeper, professor of therapeutics, to succeed M.