

County, Calif., about seven miles from his home at Santa Rosa. Here is the original giant "Royal" hybrid walnut tree which for fifteen years has paid in nuts and grafts 6 per cent. annual interest on \$10,000. There are 13,209 large and small "Royal" hybrid walnut trees. There are 14,846 new seedling hybrid chestnut trees; 188 hybrid and seedling mountain ash, 802 new Patagonia hybrid and seedling cherry trees, 1,499 plum and prune trees, all new hybrids, bearing some 2,000 new varieties. All told, there are some 200 different departments of horticultural perfection, numbering many thousands of choicest plants, trees and perfected vegetables and berries.

Stanford University desires to acquire and conduct this development farm as the Luther Burbank horticultural unit of Stanford University. The conditions under which Stanford University was established make it necessary that all units have their individual endowment.

Luther Burbank, with a generous purpose to perpetuate the useful work he has already done for humanity, has made it possible for Stanford University to obtain this development farm at Sebastopol with its wealth of horticultural materials. As Mr. Burbank's contribution to the endowment fund, he is willing to transfer the property at a small part of its cost and real value to him.

ANNUAL CONVENTION OF THE ILLUMINATING ENGINEERING SOCIETY

THE Nineteenth Annual Convention of the Illuminating Engineering Society is to be held in Detroit, September 15 to 18, 1925, with headquarters at the Hotel Statler. This meeting will mark the inauguration of the new Michigan Section which will be observed by appropriate exercises.

In addition to the president's reception and dance which is to be held on Tuesday evening, the banquet will be held on Thursday evening and the golf tournament on Wednesday morning. The Entertainment Committee has provided a number of special features of interest to the ladies and it is hoped that there will be many in attendance to enjoy the program provided. Prizes are to be awarded for games and sports events.

Monday, September 14, the day preceding the convention, has been set aside for a number of special activities, meetings, etc., as noted below:

- (a) Special Committee meetings (details will be supplied by Committee Chairmen).
- (b) A meeting of all persons interested in the development of the Society and its sections, to be conducted by the President-elect, Mr. M. Luckiesh.
- (c) A meeting under the auspices of the Committee on Constitutional Revision, to discuss some rather radical changes in the Constitution which have been proposed.
- (d) A meeting especially for central-station lighting representatives and others interested in the development of lighting service, at which there will

be held a round-table conference on the operation of central-station lighting bureaus. This will be followed by a dinner and inspection trip to representative installations of show-window and industrial lighting.

TUESDAY, SEPTEMBER 15TH

- 9:00 A. M.—Registration.
- 10:00 A. M.—Address of welcome—Alex Dow.
Response to address of welcome.
President's address.
Report of general secretary.
Committee reports.
- 2:30 P. M.—Report of committee on motor vehicle lighting.
Paper—Improved automobile headlighting—A. W. Devine.
Paper—Depressible beam headlighting—R. N. Falge.
Paper—Late developments in traffic control—C. A. B. Halvorson, Jr.
- 8:30 P. M.—President's reception and dance.

WEDNESDAY, SEPTEMBER 16TH

- 8:30 A. M.—Golf tournament.
- 2:30 P. M.—Report of committee on natural lighting.
Paper—Practical daylight calculations for vertical windows—W. S. Brown.
Paper—Sawtooth design, its effect on natural illumination—W. C. Randall.
Paper—Prediction of daylight from sloping windows—H. H. Higbie and A. Levin.
Paper—Relative value of daylight, tungsten filament and mercury are light and mixtures, as measured by visual acuity—Frank E. Carlson.
Paper—The effect of mixing artificial light with daylight on important functions of the eye—C. E. Ferree and G. Rand.

THURSDAY, SEPTEMBER 17TH

- 9:30 A. M.—Symposium on residential street lighting.
Paper—The fading of colored materials by daylight and artificial light—M. Luckiesh and A. H. Taylor.
Paper—Lighting for production—P. W. Cobb.
- 2:30 P. M.—Paper—Lighting of show windows during daylight hours—(demonstration)
Messrs. E. D. Tillson, O. R. Hogue and Charles Howard.
Paper—Automobile body plant lighting—J. M. Ketch, H. J. Thompson and E. F. Labadie.
Paper—The illumination of general electric factories, offices and warehouses—By works illumination advisory com-

mittee—W. D'A. Ryan, *chairman*,
Ward Harrison, G. H. Stickney, C. A.
B. Halvorson, Jr., and H. E. Mahan.

7:30 P. M.—Banquet, Hotel Statler.

FRIDAY, SEPTEMBER 18TH

9:30 A. M.—Paper—Recent developments in neon lamps—D. McFarlan Moore and L. C. Porter.

Paper—A practical form of photoelectric photometer—Clayton H. Sharp and Carl Kinsley.

Paper—Isocandles—Frank Benford.

Paper—New methods of showing photometric data—Samuel G. Hibben.

Paper—Reflection properties of chromium—R. J. Piersol.

SCIENTIFIC NOTES AND NEWS

THE next meeting of the British Association for the Advancement of Science will take place next summer at Oxford under the presidency of the Prince of Wales. At the recent Southampton meeting it was voted that invitations should be issued next year irrespective of nationality.

PROFESSOR KUSTNER, director of the observatory at Bonn, has been elected a corresponding member of the Real Accademia dei Lincei of Rome.

DR. T. MADSEN, of the Copenhagen State Serum Institute, has been elected honorary member of the Belgian Académie de Médecine.

THE French Academy has awarded the Bordin prize to the well-known psychiatrist Dr. Maurice de Fleury, member of the Académie de Médecine.

THE Ebert award of the American Pharmaceutical Association has been given to Dr. H. T. Youngker, of the Massachusetts College of Pharmacy, Boston, for a paper on the "Anatomy and botanical description of mire," presented at the last meeting.

DR. LEOPOLD S. VACCARO, an instructor in the University of Pennsylvania School of Medicine, who is in Rome in the interest of the Sesqui-Centennial Exposition, has received the honorary degree of doctor of medicine from the University of Rome.

THE American Civil Liberties Union has made plans to continue the legal fight against the Tennessee anti-evolution law. An advisory committee has been named, which consists of nineteen members, as follows: Professor Edwin G. Conklin, of Princeton University; Professor John M. Coulter, of the University of Chicago; Dr. J. McKeen Cattell, president of the Psychological Corporation; James Hardy Dillard, president of the John F. Slater Fund, Charlottesville, Va.; Dr. Charles W. Eliot, president emeritus of Har-

vard University; Paul Hutchinson, Chicago, editor of *The Christian Century*; David Starr Jordan, president emeritus of Leland Stanford University; Bishop Francis J. McConnell, of Pittsburgh; Rabbi Louis L. Mann, of Chicago; Dean Shailer Mathews, of the Divinity School of the University of Chicago; Professor Maynard M. Metcalf, of the Johns Hopkins University; the Rev. Charles Francis Potter, executive secretary of Antioch College; Professor Edward L. Rice, of Ohio Wesleyan University; Professor William North Rice, of Wesleyan University at Middletown, Conn.; Luther Burbank, of California; Fred Eastman, editor of *Christian Work*; the Reverend William M. Francis, archbishop of the Western Orthodox Church; Stanley High and Halford E. Luccock, of the Methodist Board of Foreign Missions, and Rabbi Nathan Krass, of Temple Emanuel.

THE Harvard Medical School will be represented by Dr. Nathaniel Allison, Dr. James H. Means, Dr. William P. Graves, Dr. Walter B. Cannon and Dr. Milton J. Rosenau, at the meeting of the Inter-State Post-Graduate Assembly of America to be held in St. Paul, Minn., from October 12 to 16.

WE learn from *Nature* that Professor J. G. McKendrick, F.R.S., the distinguished emeritus professor of physiology in the University of Glasgow, reached the age of eighty-four years on August 12, and that Sir William Tilden, F.R.S., eminent as a chemist, celebrated his eighty-third birthday on August 15.

THE retirement under a new pension law is reported of John R. Bovell, director of agriculture, Barbados, and in the service of the department since 1883.

ALFRED B. HASTINGS, associate professor of forestry in the University of Virginia and assistant state forester, has joined the United States Forestry Service as chief inspector of forestry work done cooperatively by the states and the federal service. Fred C. Peterson, formerly district forester with headquarters at Bristol, Va., has been appointed assistant state forester to succeed Mr. Hastings.

DR. DAVID STARR JORDAN, chancellor emeritus of Stanford University, and Dr. Barton Warren Evermann, director of the museum and of the Steinhart Aquarium of the California Academy of Sciences, have been invited by Alexander Hume Ford, director of the Pan-Pacific Union, to come to Honolulu to advise with him and his board regarding the policy and scope of the Pan-Pacific Scientific Research Institution recently established at Honolulu. It is Mr. Ford's earnest desire that the policy, scope and organization of the institution receive careful consideration and that its activities be laid along lines which will enable the institution to be of the greatest possible value in the