

O. Agriculture.—In cooperation with the Association of Economic Entomologists and the Society of Agronomy, Section O is arranging a half-day symposium on "The corn-borer situation," for Tuesday afternoon, December 27. The annual dinner of the section will be the occasion for the presentation of the address of the retiring vice-president for the section, Dr. C. F. Marbut, of the U. S. Department of Agriculture, who will speak on "A Hitherto Neglected Factor in the Agricultural Situation." The American Society for Horticultural Science will meet from Tuesday to Thursday, December 27, 28 and 29. A general session on Tuesday morning will have papers mainly on different phases of tomato culture. In the afternoon will be sessions on vegetable culture and pomology. Two sessions on Wednesday will deal with (a) "Pollination, Sterility, Fruit-setting, and Spraying," and (b) "Nutritional Relations of Fruit Trees." The Thursday morning session will consider root stocks, propagation, pruning. The afternoon session will be devoted to the address of the president of the society, a business meeting and papers on fruit investigations. The dinner of the society will occur on Wednesday evening. Headquarters for horticulturists will be the Tulane Hotel, Church St. and Eighth Ave.

Q. Education.—Section Q is planning sessions to occupy three days at Nashville, on December 26, 27 and 28. On Monday there will be a session on supervision and one on methods. Among the speakers' names are Courtis, Hennon, Hull, Waples, Gray, Barr, Gates and Ayer. Tuesday is to be devoted to school administration, some of the speakers' names being Strayer, Packer, Englehardt, Clark, Phelps, Ayer, Alexander and Monroe. An annual summary of research will occupy Wednesday, with papers by Courtis, Cade, Garth, Lentz, O'Brien, Pechstein, Cook, McGregory, Donovan, Purdon and others. The retiring vice-presidential address for Section Q will be given Tuesday evening by Dr. Melvin E. Haggerty, dean of the college of education of the University of Minnesota, at the joint dinner-meeting of Sections I and Q and the Phi Delta Kappa Fraternity. The Tulane Hotel, Church St. and Eighth Ave., is to be headquarters for philosophy and psychology. Phi Delta Kappa headquarters will be the Andrew Jackson Hotel, Deadrick St. and Sixth Ave.

Organizations not Classified by Sections of the Association.—The Society of the Sigma Xi is to hold a business session and its annual dinner on Tuesday, December 27. The sixth annual Sigma Xi lecture, by Dr. Clarence Cook Little, president of the University of Michigan, on "Opportunities for Research in Mammalian Genetics" will be given at the general session of the association on Tuesday evening. The

Tennessee Academy of Science will hold its annual meeting at this time. There will be a special session Monday morning at 10, to welcome visiting members of other academies. The academy is specially interested in the movement to provide opportunities by which the many state academies may cooperate for mutual benefit. The academy will have on exhibition throughout the week a collection of photographs, publications, etc., of the late Edward Emerson Barnard, medals awarded to him, and other Barnardiana. Several scientific fraternities are to have business sessions and dinners in the period of the Nashville meeting, without scientific programs. To be mentioned here are the Gamma Alpha Graduate Scientific Fraternity, the Honor Society of Phi Kappa Phi, the Sigma Delta Epsilon Graduate Women's Scientific Fraternity, the Pi Mu Epsilon Mathematical Fraternity and the Beta Beta Beta National Biological Honor Fraternity.

FURTHER ANNOUNCEMENTS AND REPORTS OF THE NASHVILLE MEETING

Later announcements about the approaching meeting will be made in *SCIENCE*, and full information will be contained in the General Program, which will be available in the registration offices Monday morning, December 26, and throughout the week of the meeting.

It is planned that a general report of the second Nashville meeting will appear in special issues of *SCIENCE* to appear on January 27 and February 3. These will contain accounts of the main features of the convention, the business transacted, and especially a full series of readable reports on the section and society programs, the latter reports based on material to be supplied by the secretaries of those organizations. These will be sent to all members. New members who join the association before the time of their publication and all associates for the Nashville meeting will receive the special issues.

SCIENTIFIC EVENTS

THE NEW BIOLOGY BUILDINGS AT THE UNIVERSITY OF BIRMINGHAM

THE new buildings of the University of Birmingham at Edgbaston, which were opened by the prime minister on October 20, will accommodate the departments of botany, zoology and brewing and the biochemistry of fermentation, which have long been inadequately housed in the older part of the university in Edmund Street.

The additions are the fulfilment of a further portion of the original design of Sir Aston Webb. Sir William Waters Butler, Bt., has contributed £40,000 and an anonymous donor £5,000 towards the total cost of

the buildings and equipment, which exceeds £120,000. Zoology occupies the ground floor, brewing and biochemistry of fermentation the greater part of the first floor and botany the second floor, with certain rooms also on the first floor.

The departments have already started work in the new buildings, although the internal equipment and furnishing are not yet complete. Apart from facilities for teaching, the zoological department is admirably equipped for research. A large sum of money has been expended on apparatus, which includes elaborate instruments used in the newer experimental development of the science. The necessity of having the means of keeping marine animals alive far away from the sea has been recognized, and tank rooms have been provided, containing aquaria, with arrangements for filtering, circulating and aerating the sea-water, which will be obtained from Plymouth. The new department is particularly well equipped for entomological teaching and research, there being a special room for this work in the building itself and an outdoor laboratory for insect-breeding work, and students will have access to a large fruit farm in Worcestershire for a part of their field training in the agricultural aspect of the subject. The brewing and biochemistry of fermentation department consists of a series of sixteen rooms. There is a spacious general laboratory, a well-appointed microscope room and a research laboratory. A special laboratory is provided for analysis, as well as an incubator room and dark rooms for photography and polarimetric work. The laboratories are equipped with the latest forms of apparatus in addition to recent researches on starch investigations.

The new botanical department comprises some thirty-three rooms, and the laboratories are especially fitted for studying fungi by the method of pure cultures, while ample provision has been made for the study of plant physiology by experiments in which open air is necessary.

DARWIN'S HOME FOR THE NATION

IN his presidential address to the British Association, Sir Arthur Keith made an appeal for a fund to purchase Darwin's home at Downe in Kent, where he did most of his epoch-making work, so that it might be preserved for the nation. According to the London correspondent of the *Journal* of the American Medical Association the appeal met with a prompt response. Mr. George Buckston Browne, a retired genito-urinary surgeon, on reading the appeal at once telegraphed to Sir Arthur offering to make himself wholly responsible for the gift. His motive was to allow future generations to see Darwin's home, which, with its estate, might otherwise pass into the hands of builders. The cost, with some endowment fund, is

estimated at from \$60,000 to \$75,000. Mr. Browne has made it a condition that no other contributor is to be asked to share the cost with him. He was admitted to the membership of the College of Surgeons in 1874, and for fourteen years acted as assistant to Sir Henry Thompson, the leading genito-urinary specialist of his day. He is an antiquarian and an enthusiastic collector. In offering to buy Downe House and to establish a fund for its perpetual upkeep, he is giving expression to his profound admiration for the work of the great naturalist. He considers that the house in which evolution was cradled should be as reverently preserved as Shakespeare's birthplace. He desires that the house should be restored as nearly as possible to its condition when Darwin lived there. When the house and garden have been restored, he would wish them to be opened without charge to visitors, who could then be shown Darwin's study, laboratory and living rooms much as when he left them. He also expressed the wish that some physician of slender means and good record should be appointed the custodian. Sir Arthur Keith has suggested that out of the endowment fund money should be spared for a prize to be given every second year for the best contribution to biologic knowledge. Downe House is the property of Darwin's son, Professor Francis Darwin and is now used as a school for girls.

BUILDING ACTIVITIES OF THE CHICAGO ZOOLOGICAL SOCIETY

THE report of the first year's building activities of the Chicago Zoological Society shows the new park to be well under way and much construction work already completed. According to a summary in *Museum News*, it is now estimated that the major portion of the work will be completed by June 1, 1930, and that the park will be opened to the public at that time.

During the past few months the new park, which is located to the west of the city proper and just outside the town of Riverside, has been entirely fenced in. Within this enclosure are 133 acres of land and fifty additional acres are available for future development. Over ten miles of sanitary and surface sewers have been laid. Water mains have been laid and heating and power lines put in place.

The excavations for three separate lagoons are nearly complete, as well as the construction of a complete power and pumping station. Work has already been started on the group of buildings at the entrance. These will house the administration offices, curators, head keeper, forester, director, the society's meeting room and library. The only exhibition building to be started this year is the reptile house. In addition to the work being done within the new park,