certain fungi and flowering plants, including the American nutmegs, verbenas of the world, rotenone-yielding plants of South America and some native aquatic plants and the preparation of hand-books on the ferns of various regions.

Records of the floral displays show that more than 30,000 plants, annuals, were grown in the borders; 1,500 new hybrid tea roses were planted in the rose garden; 8,000 plants of heather and heath were added to the Thompson Memorial Rock Garden, more than a hundred mountain laurels were placed in the woodland background to the rock garden; 1,125 rhododendrons and laurels have been planted in a new rhododendron glade; nearly a thousand new trees and shrubs have been set out to add to the permanent collections. An inventory of the rock garden indicates that more than 2,200 different kinds of plants are being cultivated there, while in the greenhouse there are more than 2,500 kinds of cacti and other succulents, many of which are very rare.

Since late spring the conservatory displays have been eliminated because of the reconstruction of the main range of greenhouses. The collection of begonias, which is housed in the greenhouses on the east side of the grounds, is said to rank as the finest in eastern America.

ELI LILLY AND COMPANY RESEARCH AWARD IN BACTERIOLOGY AND IMMUNOLOGY, 1937

AN annual research award of $1,000 and a bronze medal has been offered by Eli Lilly and Company to a young man or woman under thirty-one years of age who has made outstanding contributions to knowledge in the field of bacteriology or immunology while conducting investigative work in a college or university in the United States or Canada. This award is being made to stimulate research activities in young people and to reward meritorious achievement at a time in the life of an individual when recognition means the most.

The recipient of the award is chosen by a committee composed of members of the Society of American Bacteriologists, the American Association of Immunologists and the American Society for Experimental Pathology.

The committee has decided that the 1937 award should be given to Dr. Frank L. Horsfall, Jr., whose investigative work has largely been done in the Medical Schools of McGill University and Harvard University, and in the Hospital of the Rockefeller Institute for Medical Research. The choice of the recipient, however, was not an easy task, because the nominees constitute a group of exceptionally able investigators.

This second award is made in recognition of Dr. Horsfall's work dealing with the rôle of lipids in immunological reactions—work that has played a significant part in the establishment of a new thesis in the field of immunology. It was demonstrated that certain antibodies are lipo-protein complexes, the protein being responsible for the specific features of the antibody while the lipid is concerned with the non-specific secondary properties, that is, those causing precipitation and agglutination. Moreover, it was shown that certain species of animals form antibodies in which lecithin is the principal lipid constituent, while in other species the dominant lipid in the antibody is cephalin. This work was extended to demonstrate that lipids are readily and selectively adsorbed by antigen-antibody combinations, and, when so adsorbed, modify many properties of the antibody and qualify its *in vivo* effectiveness. Finally, through a thorough survey of the basic qualities of antibodies, Dr. Horsfall approached the problem of the treatment of human lobar pneumonia and has been instrumental in demonstrating the therapeutic value of anti-pneumococcal rabbit serum.

In his work Dr. Horsfall has exhibited imagination, originality, mental acuity and technical versatility and, because of this fact, the committee believes that this year's selection maintains the high standard set last year—a standard that will inevitably result in the advancement of knowledge in the fields of bacteriology and immunology and be a source of gratification to the donor.

THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY

THE Federation of American Societies for Experimental Biology will meet in Baltimore, Md., on March 30 and 31 and April 1 and 2. The Lord Baltimore Hotel will serve as headquarters.

All scientific sessions including motion picture and static demonstrations, except the Federation Joint Session, will be held in the Fifth Regiment Armory. The Federation Joint Session will be held in the Lord Baltimore Hotel.

The scientific sessions will begin on Thursday morning, March 31. Programs will be mailed to members. Wednesday is thus available for visits to points of interest and for other meetings, *i.e.*, of the councils and of the American Institute of Nutrition. No person will be admitted to any of the scientific sessions or demonstrations who can not show the official registration card.

On Thursday evening at nine o'clock the local committee will provide an informal smoker. The annual dinner will be held on Friday evening at seven o'clock.

The new plan for demonstrations and motion pictures will be in effect. According to this plan provision will be made in the Armory for: