NOTES

Pittsburgh Meeting.—The eleventh annual meeting of the American Society of Plant Physiologists was held at Pittsburgh, December 27–29, 1934, in conjunction with the meetings of the A. A. A. S. The scientific programs were held in the Cathedral of Learning, University of Pittsburgh. There were four sessions for reading of papers, and joint meetings with the Horticulturists, Section G, A. A. A. S., and a joint symposium on plant hormones with the Physiological Section of the Botanical Society of America.

Business meetings were held by the Executive Committee on call by the President, and matters already in shape for action were attended to in the regular business meetings. The reports showed that the last year has been one of real progress. Membership is again increasing, and the finances are in sound condition.

The annual dinner was held at the University Club on December 27, with more than 100 in attendance. The dinner was made the occasion for election of corresponding members, announcement of awards, and a memorial address on Dr. Karl Ritter von Goebel which was prepared by Prof. Francis E. Lloyd, McGill University. In the enforced absence of the author of the memorial address, it was read by Dr. F. M. Andrews, Indiana University. This address will be published in PLANT PHYSIOLOGY in a later issue. At the close of the festivities, President Livingston was tendered a memorial of affection and appreciation by graduates of Johns Hopkins University in honor of his completion of 25 years of service to plant physiology at Johns Hopkins. Those who were present will treasure the memory of these unforgettable events.

Summer Meeting.—A summer meeting at Minneapolis and St. Paul late in June is in prospect. The arrangements will be made by the Minnesota Section, and members will be informed more fully in the April number of PLANT PHYSIOLOGY as to the exact time of the meeting, hotel accommodations, extent of the program, and social events if any. The summer meeting of the A. A. A. S. is scheduled for Minneapolis, and this circumstance provides an opportunity for a meeting with our oldest Section. Previous experience has demonstrated that our Minnesota members and friends are past masters in the arts of entertainment and organization of meetings. In extending a cordial invitation to all of the members of the Society to come to Minnesota, they hope that visitors may come not only from the middle west, but also from more distant regions.

Corresponding Members.—The second election of corresponding members of the American Society of Plant Physiologists occurred at Pittsburgh.
Two distinguished plant physiologists were honored: Dr. Gotthlieb Haberlandt of the University of Berlin, and Dr. V. N. Lubimenko of the Botanical Garden of the Russian Academy of Sciences at Leningrad. Both of these men have enjoyed long and active careers in plant physiology, and have made notable contributions to the advancement of our knowledge of plants and their behavior. The Society has honored itself in honoring them.

Life Membership.—The tenth award of the Charles Reid Barnes life membership in the Society was made to Professor Frederick Frost Blackman, Fellow of St. Johns College, University of Cambridge, and for many years Reader in Botany at Cambridge. He has been a Fellow of the Royal Society of London for nearly thirty years, and has been the guiding spirit of the physiological work at Cambridge for several decades. This is the first time that the award has been made to a scientist residing outside of North America. No happier choice could have been made at this time.

Stephen Hales Award.—The fourth award of the Stephen Hales prize was made to Dr. Charles A. Shull of the University of Chicago. This prize was established at the Nashville meeting in 1927, and the previous prizemen are Dr. D. R. Hoagland, University of California; Dr. W. W. Garner, U. S. Department of Agriculture; and Dr. H. B. Vickery, Connecticut Agricultural Experiment Station. These men constituted the committee on the award for 1934. In the absence of the chairman of the committee, the citation was read by Dr. Charles F. Hottes, University of Illinois, and the certificate of award was presented by the President, Dr. Burton E. Livingston.

Program Committee.—The program committee for the St. Louis meeting in December, 1935, has been appointed. The personnel of the committee as announced by President Livingston is as follows: Dr. E. S. Reynolds, Missouri Botanic Garden, chairman; Dr. H. R. Kraybill, Purdue University; Dr. S. V. Eaton, University of Chicago. The secretary-treasurer, Dr. A. E. Murnee, University of Missouri, is ex officio member of the committee.

Editorial Board.—At the end of our first decade, the constitution and by-laws of the Society are being carefully examined by the executive committee for possible improvements. Many changes are likely to be proposed. One of the most important changes will affect the size and constitution of the editorial committee for the official journal, Plant Physiology. Provision will be made for appointment of some of the members of the editorial staff by the executive committee, and for election of some members by the
Society. The editorial staff will be enlarged possibly to eight members, five appointive and three elective for definite terms, so that more fields, such as horticulture, forestry, etc., can be represented on the board. Constitutional changes will wait on approval of the changes by ballot of the members; but by-law changes are put into effect on unanimous approval by the executive committee.

Cost of Reprints.—Arrangements are being made for a reduction in the price of reprints. In order to effect any saving to our members it will be necessary to have full cooperation of authors of papers. The prompt execution of orders at the time galley proofs are returned to the editorial office is a part of the plan. Blanks giving the prices charged according to length of the reprint will be attached to the galleys, and blanks are included for ordering reprints and for shipping directions. As in the past, 50 free reprints without covers will be added to the orders; but in case the author orders no reprints no gratis reprints are to be sent. Authors should keep these provisions in mind in making up orders.

Endowments.—Three of the endowment funds of the American Society of Plant Physiologists are in excellent condition. The general endowment is very much too small. The Society is in position to accept and administer gifts and bequests in accordance with the wishes of the donor upon the approval of acceptance of gifts for special purposes by the executive committee. An approved form for bequests will be sent to any one interested in making bequests to the Society. Cash gifts to the general endowment are welcome at any time, and will be put to work at once upon receipt. Occasional gifts have been made to the endowment during the last several years, and it is hoped that more friends may assist in the development of the Society in this practical way.

Portraits.—With the appearance of the April number of Plant Physiology, two additional portraits will be added to the collection of prints available for distribution. The full set of 20 reprints of portraits may be had for $2.00 plus postage and insurance.

Water Relations Reprints Wanted.—A new edition of “The plant in relation to water” by N. A. Maximow is in preparation. The author of this work would appreciate it very much if he might receive reprints of important contributions on this subject from all American investigators who have worked in this field. The international character of scientific knowledge makes such cooperation very desirable. Those who wish to assist him should address Professor N. A. Maximow, Institute of Grain Farming, Postal Agency 20, Saratov, U.S.S.R.
Statistical Methods.—The fifth edition of R. A. Fisher’s Statistical Methods for Research Workers has been published by Oliver and Boyd, Tweeddale Court, Edinburgh, or 33 Paternoster Row, London E.C. The changes are again insignificant. Section 5 is now a historical note; section 49.1 on analysis of covariance has been enlarged; section 21.01 considers Yates’s correction for continuity; and 21.02 gives the exact treatment of $2 \times 2$ tables. It is a useful work for those who are obliged to master and use statistical methods in research. Most investigators would find it advisable to be familiar with the practical usefulness of statistics in testing their results. The price of the volume is the same as for the earlier editions, 15 shillings net.

Excretion and Secretion.—Volume 32 of the Monographien aus der Gesamtgebiet der Physiologie der Pflanzen und der Tiere is entitled Die Stoffausscheidung der höheren Pflanzen. The author is Dr. A. Frey-Wyssling of the Federal Technical Highschool, Zürich. The introduction sets forth the scope of the work, and defines the various forms of elimination of materials from the plant body. Section I considers the deposition of cell walls, the substances laid down in them, and the structures that appear, such as the micellae, intermicellar spaces, and intermicellar deposits; the physiology of the cell walls is summarized in the latter part of this section. Section II deals with “recretion,” the removal of inorganic elements that have been taken in from the soil, function for a time in the plant, and are then deposited in crystalline or other insoluble form. Calcium salts and silicon dioxide deposits are the two main “recretions.” Section III deals with excretion proper, and section IV with secretion. A brief summary closes the text. There is a bibliography of about ten pages, a subject index, and 128 figures. It is a useful summary of the last stages of metabolism in plants. The book may be obtained from the publisher, Julius Springer, Berlin, at RM 28 for brochure copies, and RM 29.4 for cloth bound.