NOTES

**The Nashville Meeting.**—The meeting held at Nashville last December demonstrated the growing strength and vitality of the American Society of Plant Physiologists. The membership was well represented in the attendance, and the programs were of good quality throughout the sessions. Much interest centered in the annual dinner for all plant physiologists, the evening of Dec. 28. Seventy-five members and friends of the Society were in attendance, and the dinner was made the occasion of a celebration of the 250th anniversary of the birth of Stephen Hales, and the 200th anniversary of the publication of his most famous contribution to botanical science, Vegetable Staticks. The interesting story of his life and works was given by the president as a feature of the after-dinner program. Following this sketch of Hales's life, was the official announcement of the establishment of the Stephen Hales Prize Fund, by Burton E. Livingston. The main facts concerning this fund are recorded in another paragraph in this number of Plant Physiology.

The dinner was also made the time and place of the announcement of the second award of the Charles Reid Barnes honorary life membership in the Society. This announcement was made by Professor Frank M. Andrews, chairman of the award committee. These events made the occasion memorable, and those who were fortunate enough to be present have carried away the happy memories and inspiration of a very enjoyable meeting.

**The Stephen Hales Prize Fund.**—The effort to create a prize fund in honor of Stephen Hales met with a generous response on the part of the members and friends of the American Society of Plant Physiologists. The amount which had been contributed to the fund at the time of the meeting was slightly in excess of $1000. Gifts since have brought the fund to $1031.75, which is a very fine beginning. In order that an award might be made at the New York meeting in 1928, one of the most generous donors to the fund stipulated that $100 should be set aside, and kept uninvested for the 1928 award. This leaves $931.75 in the fund for investment. It has been decided to keep the fund open, so that additional gifts may be made. A number of individuals found it impossible to assist at the time the opportunity for contributions was given. Any one who would like to have a share in the building of this fund, has the privilege of making additions to it at any time by sending a check for any amount he desires to
give, to Dr. S. V. Eaton, the secretary-treasurer, Dept. of Botany, University of Chicago. As the fund increases it may be possible to award a Stephen Hales Prize every year, or to increase the amount of the award if it remains a biennial occurrence.

The task of devising methods of handling the funds and making the awards is in charge of a committee of which Dr. James G. Peirce of Stanford University is chairman. The other members on the committee are Francis E. Lloyd, E. J. Kraus, J. B. Overton, and B. E. Livingston. The establishment of the Stephen Hales Prize Fund on such a substantial basis reflects the earnestness, vigor, and enterprise of this organization.

The Life Membership Award.—The second award of the Charles Reid Barnes honorary life membership in the American Society of Plant Physiologists was made to Professor Francis E. Lloyd, MacDonald Professor of Botany in McGill University. An account of the award appears in Science for March 19th. Professor Lloyd has been a very able investigator in the field of plant physiology, and has made many worthwhile contributions to our knowledge in this field. During recent years his studies of the fluorescence of plant pigments, the physiology of conjugation in Spirogyra, and the habits of Vampyrella have attracted wide attention. His moving pictures of gametic fusion, contractile vacuole activity, and feeding habits of Vampyrella have been entertaining and instructive features of the annual meetings of the Society for several years. The American Society of Plant Physiologists, in this award, has expressed its sense of appreciation of his valuable services. Professor Lloyd forms the second member in the living link memorial which was established in honor of Barnes at the Kansas City meeting in 1925. The two members thus honored are:

Burton E. Livingston, Johns Hopkins University,
Francis E. Lloyd, McGill University.

Sixth National Colloid Symposium.—The sixth national colloid symposium will be held at Toronto, Canada, June 14–16, 1928. The guest of honor this year will be Professor William B. Hardy, of the University of Cambridge. These meetings are always valuable, and any one who desires to attend is welcome. A small registration fee is usually charged, to cover the cost of certain of the social features. Plant physiologists have in the past found these meetings very much worthwhile.

Agronomy Meeting.—The Corn Belt Section of the American Society of Agronomy will hold the summer meeting at Columbus, and Wooster, Ohio. The meeting will begin at Columbus on June 21, 1928. In the late afternoon the scene will be shifted to the Experiment Station. Those in
attendance will be taken by auto to Wooster, where the meetings will continue on June 22 and 23. Last year the meeting was to have been held at Columbus, but the meeting had to be postponed because of other meetings.

Errata.—The attention of members and subscribers to Plant Physiology is called to the list of errata published at the close of the table of contents in the October, 1927 number. The editor regrets the occurrence of these errors, particularly those in connection with the citation of literature in one of the reports of the committee on methods of analysis. It is suggested that readers enter these corrections at the places where the errors occur. All members are invited to assist the editor in detecting and correcting any errors which are found in text or tables of papers published in the journal.

Program Committee.—The program committee for the New York meeting in December, 1928, consists of the following members: Professor D. R. Hoagland, University of California, chairman; Professor G. N. Hoffer, Purdue University, and Professor William Seifriz, University of Pennsylvania. The secretary-treasurer, Dr. Scott V. Eaton, the University of Chicago, is ex-officio a member of the committee. Members of the society can cooperate with the committee by offering their best contributions for the program of the New York meeting. This will be the fifth annual meeting of the Society. May we not make it an outstanding meeting?

Investigations on Chlorophyll.—This splendid contribution by Willstätter and Stoll has been given English translation by Dr. Frank M. Schertz and Dr. Albert R. Merz, both of the Department of Agriculture. The book should appeal to many students, as the original German is not always easily read. The book has been printed on excellent paper by the Science Press Printing Co., Lancaster, Pennsylvania, and is nicely bound in cloth. As the book has been published by the senior translator on his own capital, members of the Society can show their appreciation by ordering a copy of the work, and placing copies in the libraries of our respective institutions. As it can be purchased only from the senior translator, his address is given in full. The price is $4.50, and can be had from Dr. Frank M. Schertz, 1305 Farragut St., N. W., Washington, D. C.

Physical Chemistry and Biophysics.—This book has been prepared for students of biology and the medical sciences, by Dr. Matthew Steel, Professor of Biological Chemistry in the Long Island College Hospital, Brooklyn, N. Y. There are thirteen chapters, the first of which is a brief introduction. The chapter headings include the following: The nature
and structure of matter; general properties of matter; energy transformations in living matter; general nature of solutions; water, the greatest solvent; diffusion and osmotic pressure; the nature and behavior of electrolytes in solution; chemical equilibrium and the law of mass action; measurement of hydrogen-ion concentration; the colloidal state of matter; catalysis and velocity of chemical reactions; and dynamical physical chemistry of the cell.

The book is well written, and will be a very valuable aid to those who need the fundamental knowledge of the physical and chemical dynamics of life. It is more than usually helpful, and should have a warm reception among plant physiologists. The price of the book is $4.00, and is published by John Wiley and Sons, New York.

**Biochemical Laboratory Methods.**—At the time of his death, the late Professor Clarence A. Morrow, of the University of Minnesota, left the unfinished manuscript of a manual of Biochemical Laboratory Methods. This work has been brought to completion with the aid of Drs. R. A. Gortner and T. A. Pascoe, and has been published for Mrs. Morrow by John Wiley and Sons. The experiments are arranged in nine chapters: The colloidal state; physical chemical constants of plant saps; hydrogen-ion concentration and buffer action; proteins; carbohydrates; glucosides; fats and allied substances; enzymes; and plant pigments. There are 233 experiments outlined, and any student who masters the methods given in this book will be a well trained biochemist. The directions given are clear and detailed. This is another book which can be recommended to the plant physiologist for his private library, and is not too expensive. The price is $3.75, and may be ordered from John Wiley and Sons, New York.