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THE BOTANICAL SOCIETY OF AMERICA.

THE sessions of the Eighth Annual Meeting of the Botanical Society of America were held in Pittsburgh, Pa., June 30, July 1 and 2, 1902.

Officers were elected for the ensuing year as follows:

President, Beverly Thomas Galloway, Bureau of Plant Industry, Washington, D. C.

Vice-President, Frederick Vernon Coville, Bureau of Plant Industry, Washington, D. C.

Treasurer, Arthur Hollick, New York Botanical Garden, New York City.

Secretary, Daniel Trembly MacDougal, New York Botanical Garden, New York City.

Councilors, William Trelease, Missouri Botanical Garden, and Lucien Marcus Underwood, Columbia University.

The above officers with Past President J. C. Arthur constitute the Council of the Society.

Members.—The following associates were elected members:

Benjamin Minge Duggar, Professor of Botany, University of Missouri; Rodney Howard True, Physiologist, Bureau of Plant Industry, Washington, D. C.; Francis Ernest Lloyd, Professor of Biological Science, Teachers' College, Columbia University; George Thomas Moore, Physiologist, Bureau of Plant Industry, Washington, D. C.; Lewis Ralph Jones, Professor of Botany, University of Vermont.

Associates.—The following persons were elected associates:

William L. Bray, Associate Professor of Botany, in charge of School of Botany, University of Texas; Carlton Clarence Curtis, Tutor in Botany, Columbia University; Frank S. Earle, Assistant Curator, New York Botanical Garden; Edward Charles Jeffrey, Assistant Professor of General Morphology, Harvard University; Thomas Macbride, Professor of Botany, State University of Iowa, Professor of Pharmacognosy in the College of Pharmacy U. of I., and Member of Staff of the State Geological Survey; Peter Henry Rolfs, Pathologist, Bureau of Plant Industry, in charge of Tropical Laboratory, Miami, Florida; Augustus D. Selby, Professor of Botany, Wooster, Ohio; Frank Lincoln Stevens, Professor of Biology, College of Agriculture and Mechanic Arts, Raleigh, N. C.

The Society now includes 36 members, 21 associates and 1 patron.

The report of the Treasurer showed a balance of \$2,628.24 of cash on hand, the receipts during the year amounting to about \$500, in consequence of which the declared policy of the Society relative to research work was put in the form of resolutions by which grants may be made in aid of research (see below).

A committee consisting of Messrs Underwood, Coulter and Galloway, upon the relations of the Botanical Society of America to other botanical organizations, was appointed, Professor Underwood being chairman.

The following papers were presented during the sessions devoted to scientific subjects:

Address by Past President, B. D. HALSTED, 'Two Centuries of American Botany.' (Not delivered, owing to illness of Past President.)

'The Relations of the Botanical Associations of the Country': J. M. COULTER.

'Suggestions for Ecological Cartography': H. C. COWLES.

'Fossil Ferns from the Laramie Group of Florence, Colorado': ARTHUR HOLLICK.

'The Genus *Gymnogramma*, and its Treatment by English Botanists': L. M. UNDERWOOD.

'Studies on Reproduction by Gemmæ of the Prothallus of Ferns': ELIZABETH G. BRITTON.

'Tea Fermentation': R. H. TRUE.

'Some Disorganization Products of Plant Cells': A. F. WOODS.

'Studies in *Cyperus* and Other Cyperaceæ': N. L. BRITTON.

'A Disease of *Catalpa speciosa*': H. VON SCHRENK.

'The Geasters of the United States' (by invitation): MISS V. S. WHITE.

'The Dimensional Relations of Compound Leaves' (by invitation): CHARLES ZELENY.

'Parthenogenesis in Seed Plants': J. M. COULTER.

'The Cytology of the Secreting Epithelium of *Zea Mais*' (by invitation): JOHN C. TORREY.

'North American Species of *Leptochloa*': A. S. HITCHCOCK.

'The Genus *Ganoderma* in North America' (by invitation): W. A. MURRILL.

'A Study of *Astragalus*': P. A. RYDBERG.

'The Stimulus to Heterophyly in *Proserpinaca palustris*' (by invitation): W. B. MCCALLUM.

'The Genus *Sematophyllum* (*Raphidostegium*)': ELIZABETH G. BRITTON.

'Maturation Divisions in the Pollen Cells of Hybrid Cottons' (by invitation): W. A. CANNON.

'The Embryology of the Cucurbitaceæ' (by invitation): J. E. KIRKWOOD.

'Anatomy and Physiology of *Baccharis genisteloides*' (by invitation): MISS E. M. KUPFER.

'Dimorphic Structure of the Phyllodes of *Oxyopsis filiformis*' (by invitation): MISS R. J. RENNERT.

'Recent Investigation in the Pleistocene Flora of Maryland' (carried out under the auspices of the Maryland Geological Survey, and presented by permission of the State Geologist) (illustrated): ARTHUR HOLLICK.

'A Comparative Study of the Sand Dunes of the Ocean and Lake Shore' (illustrated): H. C. COWLES.

'The Relations of Light and Darkness to Growth and Development': D. T. MACDOUGAL.

'The North American Species of *Trichomanes*': ELIZABETH G. BRITTON.

'A Green Organism Found in Water Tanks and Reservoirs in Arizona' (by invitation): J. J. THORNER.

'Mitosis of the Primary Nucleus in *Synchytrium decipiens*' (by invitation): F. L. STEVENS.

During the first nine years of its existence the Society has steadfastly refused to permit its funds to be drawn upon for any purpose except to meet the actual expenses of administration, it being the avowed purpose of the organization to use its resources in the furtherance of botanical research. The membership of working botanists is thoroughly in sympathy with this idea, and by a formal resolution at the Denver meeting in August, 1901, the Society declared its policy of using its income as soon as the annual receipts amounted to five hundred dollars.

It was found possible to take up this purpose of the Society at the last meeting and the following enabling resolutions were passed, by which the sum of five hundred dollars is to be set aside yearly to be distributed as grants among the members and associates. It is to be noted that the making of the grants in question does not exhaust the annual income of the Society, provision being made for addition to the permanent funds. The exact wording of the resolutions is as follows:

GRANTS IN AID OF INVESTIGATION.

Resolved: That applications for grants in aid of investigations may be made at any time by members or associates in good standing. Such applications should be made to the secretary, accompanied by a detailed statement in regard to the work for which the grant is requested, and shall be referred by the secretary to the Council. The Council shall report upon all applications at the next meeting subsequent to the date at which they are received. The amount of any grant confirmed by the Society may be drawn by the applicant from the treasurer within six months

after the meeting at which the grant was made, after a proper receipt has been made therefor.

The recipient of a grant must make a report of the progress, or of the completed results of the investigations for which the grant was given, at the next annual meeting, and at every succeeding meeting until the work in question is finished. Such report must be made in writing to the Council, and may or may not be referred to the Society. Any and every paper dealing with the results of investigations carried out by the aid of grants as above, shall bear the imprint, 'Investigations prosecuted with the aid of a grant from the Botanical Society of America.'

Resolved: That at the next meeting of the Society a grant or grants in aid of investigations may be made in any amount not to exceed the total sum of five hundred dollars (\$500) to members and associates of the Society.

D. T. MACDOUGAL,
Secretary.

NEW YORK BOTANICAL GARDEN.

THE INTERNATIONAL AERONAUTICAL CONGRESS.

THE third meeting of the International Committee for Scientific Aeronautics, appointed by the meteorologists in 1896, was held at Berlin, May 20-24, and by reason of the number of military and scientific men who were invited to attend, it is more widely known than either of the preceding meetings of the committee at Strassburg in 1898 and at Paris in 1900. The Kaiser, who has done so much to advance aeronautics, both practical and scientific, was expected to attend the opening of the Congress in the great hall of the Reichstag, but, being absent from Berlin, he delegated Prince Frederick Henry of Prussia as his representative and telegraphed his wishes for the success of the deliberations. After an introduction by Professor Hergesell, president of the Committee, the representative of the Minister of Public Instruction recognized the importance of international cooperation in meteorological and magnetic researches, and predicted important results from the present conference.