

ecology is the study of plants and plant associations in their relations with the medium (surrounding medium, or environmental conditions).

7. Without giving a definition of the following words, *formation* and *association*, the section recommends the use of "formation" in a wider ecological sense, and "association" in a more restricted, floristic sense. Examples: meadow, prairie, etc., are "formations"; but an alpine meadow on granitic soil in central Switzerland would be an "association."

8. *The decision to publish a dictionary of phytogeographic terminology* containing all the pertinent expressions used in phytogeographic and floristic works with original definitions and bibliographical references, and their equivalents in English, French and German.

9. It is proposed that where such words as *zone* and *region* are used in different senses in different countries to employ new and clear expressions. Examples: étage (level, or floor) = Höherenregion, Tieferenregion of the Germans = Zone altière zone abyssale of the French.

10. A commission was named for the above purpose consisting of the members of the present commission with many others added, giving the committee power to add still others. In the publication of the proceedings of the congress the rules and recommendations adopted at Brussels will be incorporated in their proper place with those adopted at Vienna, the latter being reprinted, so that the rules of nomenclature for plants will be presented in a single and convenient brochure.

The members of the commission on the nomenclature of the cryptogams are greatly indebted to Dr. Briquet for summarizing in a comprehensive manner the many different and often conflicting views expressed by the specialists of the commission in their preliminary correspondence. Dr. Briquet also rendered a most important service in interpreting the remarks made by different speakers in French, English and German so that they were understood by all those present.

Professor Flahault, Professor Mangin and Professor Engler, who presided over the different sessions, performed their duties in such a way as to deserve the hearty thanks of all the members, combining a courteous and affable manner with a strictly business management.

W. G. FARLOW

GEO. F. ATKINSON

PARIS,

May 28, 1910

#### PRESENTATION TO PROFESSOR BOLZA

WHEN it became generally known that Professor Bolza was to leave the University of Chicago and return to Germany, a movement was inaugurated among his former students to present to him some suitable memorial indicative of their sorrow at his loss and their affection for him as a friend and teacher. The response was spontaneous and generous, making it possible to procure a beautiful and costly loving cup, which was presented to Professor Bolza at a dinner held in his honor on Friday, June 11, 1910, at the University Club of Chicago, where were gathered the members of the faculty in the departments of mathematics, astronomy and physics, together with Professor I. U. Nef, Dean Rollin T. Salisbury and President Harry Pratt Judson, representing the University of Chicago, and Dean Thomas F. Holgate, of Northwestern University, representing the American Mathematical Society.

After appropriate addresses by President Judson, Professor Moore and Dean Holgate relative to Professor Bolza's brilliant service at the university since its organization, the student committee represented by Dr. Arnold Dresden, of the University of Wisconsin, in a most touching tribute to Professor Bolza, presented to him the loving cup. Along with the cup was given a beautifully illuminated and bound dedicatory statement with the names of more than one hundred masters, fellows, doctors and other advanced students, including eight present members of the university faculty and representing twenty-six different states and as many colleges and universities in which they are now located.

Professor Bolza was deeply moved by this presentation and responded in terms indicating his genuine personal interest in his students and his gratitude and joy at such manifestation of their regard for him. He then gave an account of his university career in Germany and of his migration to this country and of his pleasant experiences at Johns Hopkins University, at Clark University and at the University of Chicago, attributing the making of his career to the unusual opportunities offered in America.

Following is the quotation from the presentation album:

To Dr. Oskar Bolza, for eighteen years professor of mathematics in the University of Chicago, a number of his former students whose names are written below, desiring to express in some tangible way their love and esteem, present herewith this loving cup.

While recognizing the inadequacy of such a method of expressing to him their feelings of loss and deep regret at his departure from the University of Chicago and from this his adopted country, they hope that the graceful curves of this loving cup and the luster of its pure metal, may serve to remind him and Mrs. Bolza, as they look upon it in years to come, of their host of loving and loyal friends in America.

Those among the students of Professor Bolza who have known him best are foremost in their appreciation of his unusual qualities as both a lecturer and in awakening the spirit of research. Faithful in precept and inspiring in example, he has been a tower of strength at the university for nearly two decades, while students by the hundreds, after drawing from him mathematical inspiration and power, have gone forth to all parts of this country, many of them to occupy positions of responsibility and trust in our leading colleges and universities.

As a genial friend whose hospitality we have all enjoyed, as an inspiring teacher whose peer we have seldom known, as a contributor to mathematical science whose reputation is established both here and abroad, as the man who with Professors Moore and Maschke made the University of Chicago from its earliest days one of the foremost of mathematical schools, we pay respectful tribute to Professor Bolza, and wish him and Mrs. Bolza the widest usefulness and the greatest happiness in their new "old home" in Freiburg.

It was announced by President Judson that the trustees had refused to erase Professor Bolza's name from the roll of the faculty, but instead made him non-resident professor of mathematics, thus strengthening the hope that from time to time he may return for a quarter's residence at the university.

Professor and Mrs. Bolza sailed for Germany during the last week of June.

H. E. S.

#### SCIENTIFIC NOTES AND NEWS

SIR WILLIAM CROOKES has received from the British government the order of merit, filling the place vacant by the death of Sir William Huggins.

DR. J. MARK BALDWIN has been elected a corresponding member of the French Academy of Moral and Political Sciences, to fill the place vacant by the advancement of Professor William James to be foreign associate.

PROFESSOR CHARLES PEREZ, of Bordeaux, has been elected a corresponding member of the Paris Academy of Sciences, in the section of anatomy and zoology.

SIR J. J. THOMSON, F.R.S., has been elected president of the Junior Institution of Engineers.

THE banquet to the five past-presidents of the Chemical Society, Professor W. Odling, F.R.S., Sir Henry E. Roscoe, F.R.S., Sir William Crookes, F.R.S., Dr. Hugo Müller, F.R.S., and Dr. A. G. Vernon Harcourt, F.R.S., who have attained their jubilee as fellows of the society will take place at the Savoy Hotel, London, on November 11.

THE Royal College of Physicians of Edinburgh has awarded its Cullen Victoria Jubilee prize to Dr. R. W. Philip, for his work on tuberculosis.

MR. ZACCHEUS DANIEL, of Princeton University, has been appointed assistant at the Allegheny Observatory, University of Pittsburgh, and Mr. R. J. McDiarmid, of the University of Toronto, has been appointed fellow in astronomy at the same institution.

DR. CHAS. S. PALMER, formerly of Colorado, now in Newtonville, Mass., has been appointed