

Calcium sulphide (Balmain)	1.26
Canary glass	7.31
Calcite (red) from Langban	0.132
Cadmium phosphate (red)....	0.0182

Since to most of us the millilambert conveys no very definite meaning in terms of a familiar visual sensation, I may add that according to the measurements of Coblentz a tungsten filament at 2000° C., which is not far from the temperature of our ordinary incandescent lamps of the vacuum type, has a brightness of 630,000 millilamberts.

Since our various fluorescent substances vary in color it should be further stated that the brightness in each case is such that the intensity of the maximum region in the fluorescent band equals the brightness of the corresponding region in the spectrum of a neutral matte surface of the specified number of millilamberts.

In general, according to these measurements our known luminescent materials are of the order of a few millionths in brightness compared with an illuminant such as the ordinary electric lamp.

E. L. NICHOLS

PHYSICAL LABORATORY
OF CORNELL UNIVERSITY,
DECEMBER, 1921

THE AMERICAN SOCIETY OF ZOOLOGISTS

THE American Society of Zoologists held its nineteenth annual meeting at the University of Toronto in conjunction with Section F of the American Association and in association with other biological societies on December 28, 29 and 30, 1921. President C. A. Kofoid and Vice-president A. L. Treadwell presided at the various sessions.

William Bateson, director of the John Innes Horticultural Institution, Merton Park, Surrey, England, was elected honorary fellow of the society.

The following were elected to membership:

Edward F. Adolph, University of Pittsburgh; Charles P. Alexander, University of Illinois; William R. Allen, University of Akron; Horace B. Baker, University of Pennsylvania; Frank N. Blanchard, University of Michigan; Joseph H. Bodine, University of Pennsylvania; Robert H.

Bowen, Columbia University; Alfred E. Cameron, University of Saskatchewan; William H. Cole, Lake Forest College; Mary E. Collett, University of Buffalo; Rheinart P. Cowles, Johns Hopkins University; Alden B. Dawson, Loyola University Medical School; Hoyt S. Hopkins, Baylor Medical College; Carl L. Hubbs, University of Michigan; George W. Hunter, Knox College; Donald E. Lancefield, University of Oregon; James W. MacArthur, University of Toronto; Robert S. McEwen, Oberlin College; Peter W. Okelberg, University of Michigan; Charles L. Parmenter, University of Pennsylvania; Mary E. Pinney, Lake Erie College; Franklin P. Reagan, University of California; Robert C. Rhodes, Emory University; Franz Schrader, Bryn Mawr College; Gotthold Steiner, University of Berne; Horace W. Stunkard, New York University; Tage Ellinger, University of Illinois; Lewis H. Weed, Johns Hopkins University; Alvalyn E. Woodward, Amherst College; Benjamin P. Young, Cornell University; Hachiro Yuasa, University of Illinois.

After the election the membership roll of the society contained 357 names of members in good standing.

The report of the treasurer showed a probable balance for January 1, 1922, of \$808.20, a loss for the year of \$81.71, although there are fewer members in arrears than at any time in the last four years. The attention of the society was called to the fact that the present plan of operating on a basis of fifty cents per member per year must in time deplete the accumulated surplus of the society.

The constitution and by-laws were amended to permit the separation of the office of secretary-treasurer.

The nominating committee, composed of M. F. Guyer, S. J. Holmes and J. H. Gerould, reported the following nominations:

President—H. H. Wilder.

Vice-President—B. M. Allen.

Secretary—W. C. Allee.

Treasurer—D. H. Tennent.

Member of the Executive Committee—C. A. Kofoid.

Member of the National Research Council—H. S. Jennings.

Three associate editors of the *Journal of Morphology*—L. L. Woodruff, G. A. Drew and H. V. Neal.

Membership in Council of the American Association for the Advancement of Science—Charles Zeleny and H. E. Crampton.

No other nominations were presented and these men were duly elected.

The executive committee announced the appointment of Aaron L. Treadwell and A. A. Schaeffer as members of the advisory board for the ensuing four years. The other members of this board are: To serve one year, M. M. Metcalf and Gary N. Calkins; to serve two years, William E. Castle and F. R. Lillie; to serve three years, C. A. Kofoid and D. H. Tennent.

S. I. Kornhauser, who has been representing the society in cooperation with a committee from the American Bacteriological Society, in an attempt to standardize American dyes for biological purposes, requested members to forward any information at their disposal concerning the comparative merits of American and imported dyes. He has on hand a considerable amount of information regarding American dyes which is available for any one interested.

The society approved the resolutions adopted by an intersociety conference called at Toronto by the Division of Biology and Agriculture of the National Research Council as a result of a request from representatives of the Botanical Society of America, the American Society of Naturalists and the American Society of Zoologists.

These resolutions call for the appointing of the presidents and secretaries of the societies concerned as an intersociety council to whom shall be referred matters of common interest and who shall study plans for and report a possible constitution of a proposed federation of American biological societies.

As a result of many conferences among those interested the following action was taken creating a Section on Genetics in the society:

Moved, That authorization be given for the formation of a Genetics Section of the American Society of Zoologists to cooperate with a similar section established in the Botanical Society of America.

It shall be understood that any member of the American Society of Zoologists may become a member of the Genetics Section by indication of his desire to that effect.

Any member of the society submitting a paper on genetics has the right to have it included in the program of the Genetics Section.

The Genetics Section may designate one of its members as a consulting member of the executive committee of the American Society of Zoologists.

The Section was duly organized.

After considerable discussion, the parasitologists assembled at Toronto decided not to organize a section at present, but appointed Charles

A. Kofoid their representative, with B. M. Ransom alternate, to attend the proposed conference on the organization of a biological federation and to urgently request the conference to arrange that there could be membership in the proposed Section of Parasitology of men not eligible at present for membership in the American Society of Zoologists.

A communication was received from the Ecological Society of America asking for financial aid in classifying the degree of modification from primeval conditions of the animal life in the different national, state and local preserved areas. Twenty-five dollars was voted for this purpose.

GENERAL RESOLUTIONS

The following resolution was adopted and ordered sent to the appropriate officials:

The American Society of Zoologists, understanding that there is a temporary suspension of certain scientific publications of the U. S. government, including the *Journal of Agricultural Research*, the *Experiment Station Record* and the *Monthly Weather Reports*, desires to put on record its very high appreciation of these journals and of their great national and international importance in the field of natural science and would respectfully urge their resumption at as early a date as possible.

The following resolution was adopted:

Resolved, That the secretary express to the president of the University of Toronto and the local committee on arrangements the high appreciation of the American Society of Zoologists for the splendid facilities afforded this meeting and for the cordial hospitality shown the members attending.

The sessions for the presentation and discussion of papers were better attended than usual in spite of the fact that the society frequently met in sections on account of the length of the program. The symposium on "Orthogenesis," the dinner, and the biological smoker, arranged by the zoologists, were particularly well attended. In point of numbers attending, the smoker was one of the outstanding features of the meeting.

The presence of Professor William Bateson gave a cosmopolitan flavor to the international meeting. The invitation to Professor Bateson was initiated by the American Society of Zoologists, and his presence was due to the cooperation of the Society with the American Association.

A full list of titles and abstracts of the papers presented together with a more complete account of the business transacted will appear in the January number of *The Anatomical Record*.

W. C. ALLEE,
Secretary.