

Eighty fifth Meeting, January 11, 1899

in the assembly Hall of the Cosmos Club.

President Cross in the Chair.

55 persons present.

The minutes of the 83^d and 84th meetings were read and approved.

The President announced the appointment of Messrs. C. W. Hayes, G. P. Merrill and G. O. Smith as committee on Communications for the current year.

In accordance with previous announcement the Society proceeded to ballot on the nomination of a Vice-President of the Washington Academy of Sciences and on the first ballot Mr. C. D. Walcott was nominated.

Informal Communications.

J. S. Diller exhibited a specimen of sandstone showing stalactitic forms from the coast of Oregon. The communication was discussed by Mr. Turner.

Regular Programs.

1. Willard D. Johnson. Subsidence basins of the High Plains.
2. C. W. Hayes. The Lake Region of Central America.
Discussion by Messrs. Willis, Vaughan, Campbell, Turner and Cross.

at 9:55 P.M. the Society adjourned

T. W. Stanton
Secretary.

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Eighty sixth Meeting, January 25, 1899.

In the Assembly Hall of Cosmos Club.

President Cross in the chair.

24 persons present.

The minutes of the 85th meeting were read and approved.

The election of Mr. M. W. Twitchell to active membership was announced.

The President announced Mr. C. D. Walcott, the Society's nominee for Vice President of the Washington Academy of Sciences had been elected President of that body and that it was necessary to make another nomination for Vice President. The first ballot resulted in the nomination of Mr. G. K. Gilbert.

Communications. Regular Program.

1. Bailey Willis Stratigraphy of the Western Rockies, Montana.
Discussion by Messrs. Weed, ^{Willis} and Cross.
2. J. S. Diller. The Coos Bay Coal Field of Oregon.
Discussion by Messrs. Turner, White, Diller, Willis, Hayes and Stanton.
3. David White. Observations on flowage of seams of anthracite coal.
Discussion by Messrs. Willis, Hayes, Campbell and Turner.

At 9:55 P. M. the Society adjourned.

F. W. Stanton
Secretary.

Eighty seventh Meeting, February 8, 1899

In the assembly Hall of Cosmos Club.

President Cross in the chair.

34 persons present.

The minutes of the 86th Meeting were read and approved.

Communications. Regular Program.

1. G. H. Gilbert. The anticline at Thirty-mile Point, New York.
Discussion by Messrs. Vellie and Gilbert.
2. H. W. Furner. The occurrence and origin of diamonds in California.
3. S. F. Emmons and Whitman Cross. The Tennessee District special Folds.
4. Russell L. Dumm. Industrial Siberia.
Discussion by Messrs. Cross and Day.

at 10 P. M. the Society adjourned.

T. W. Stanton
Secretary.

Annual Address of the retiring President.

A special meeting was held in the Assembly Hall of Cosmos Club on February 22, 1899 under the auspices of the Washington Academy of Sciences at which the retiring President of the Geological Society, Mr. Arnold Hague, presented an address on "The Tertiary Volcanoes of the Absaroka Range".

The meeting was attended by about 40 persons.

Eighty eighth Meeting, March 8, 1899.
 In the Assembly Hall of Cosmos Club.
 President Cross in the Chair.
 55 persons present.

The minutes of the 87th meeting were read and approved.

Communications. Regular Program.

1. Arnold Hague. An exhibition of a geological relief map of the Yellowstone National Park and the Absaroka Range with lantern illustrations of the latter region.
 Discussion by Messrs. Gilbert, Van Hise, Hague, Emmons, Cross, Wallin and Sellen.
2. F. B. Weeks. A Reconnaissance in Jackson Basin, Northwest Wyoming, with lantern illustrations.
3. Waldemar Lindgren. The Boise Folio.

The Society adjourned at 10:05 P.M.

T. W. Stanton
 Secretary.

Eighty ninth Meeting, March 22, 1899.

In the assembly Hall of Cosmos Club.

President Cross in the Chair.

40 persons present.

The minutes of the 88th meeting were read and approved.

Communications: Regular Program.

1. H. C. Mendenhall. Reconnaissance from Resurrection Bay to the Tanana River, Alaska, with lantern illustrations.
2. J. C. Schrader. Reconnaissance in the Copper River District, Alaska, with lantern illustrations.

At 10 P.M. the Society adjourned.

J. W. Stanton,
Secretary.

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Ninetieth Meeting, April 12, 1899.

In the Assembly Hall of Cosmos Club.

President Cross in the Chair.

39 persons present.

The minutes of the eighty-ninth meeting were read and approved.

Informal communications.

J. S. Diller exhibited a specimen of natural charcoal, identified as Douglas spruce, collected by Mr. F. V. Coville from Mount St. Helens, Washington. He also exhibited specimens of lava showing impressions of tree trunks and spoke of other evidence of a recent eruption of Mount St. Helens, fixing the date or later as 1848.

Regular Program.

1. J. S. Diller. The origin of Palaeotrochis.
Discussion by Messrs. Cross and Wales.
2. F. L. Ransome. The Honora Folio.
3. A. H. Brooks. Notes on the geology of the Tanana and White River basins, Alaska.
4. J. E. Spurr.
A reconnaissance of the Kuskokewin District, Alaska.

At 10 P.M. the society adjourned.

T. W. Stanton
Secretary

Joint Meeting of the Chemical and Geological Societies.

A joint meeting of the two societies called in accordance with a suggestion from the Chemical Society to arrange for joint meetings for the discussion of subjects of common interest to the membership of both societies was held in the Assembly Hall of Cosmos Club, April 18, 1899.

President Stokes of the Chemical Society and President Cross of the Geological Society jointly presided and there were 61 persons present.

The entire evening was devoted to a discussion of T. C. Chamberlin's paper on "The influence of great epochs of limestone formation upon the constitution of the atmosphere".

The discussion was led by Mr. Merrill and was participated in by Messrs. Willis, Walcott, Weed, Hays, Cross, Twitchell and Day of the Geological Society, by Messrs. Stokes, Cameron, Woods, Chatard, Clarke and Fassett of the Chemical Society, and by Mr. Hillebrand of both societies.

The meeting adjourned at 10 P. M.

T. W. Stanton.
Sec. Geol. Society.

Ninety First Meeting, April 26, 1899.

And the assembly Hall of Cosmos Club.

Vice-President Diller in the chair

16 persons present.

The minutes of the 90th meeting were read and approved.

Informal Communications.

T. W. Stanton gave some notes on the deep well at Wilmington, N.C., announcing that the 1100 feet of sediments penetrated down to the granite all belong to the Upper Cretaceous.

Discussion by Messrs. Campbell and Glenn.

Regular Programs.

1. T. Wayland Vaughan. The relation of the Cretaceous to the Eocene along the Rio Grande, Texas.

The subject was discussed by Messrs. Campbell, Diller, Taft, Stanton and Vaughan.

2. L. C. Glenn. Some features of coastal plain ^{stream} development.
Discussion by Campbell and Glenn.

3. M. R. Campbell. The physiography of Northern Kentucky.
Discussion by Messrs. Hayes, Campbell and Procter.

At 10:05 P. M. The Society adjourned.

T. W. Stanton,
Secretary.

Trinity second Meeting, May 10, 1899.
 In the Assembly Hall of Cosmos Club.
 Vice-President Diller in the chair.
 29 persons present.

The minutes of the 9th meeting read and approved.

Informal Communications.

J. A. Taff. Occurrence of Asphalt in
 Indian Territory.
 Discussion by Messrs Fred and Taff.

Regular Program.

1. S. F. Emmons. Plutonic Plugs and subterranean
 mountains.
2. W. B. Fred. Taccoliths and Pyromaliths.
 Discussion by Messrs Merrill, Gilbert, Fred,
 Emmons, Hogue, Cross.
3. J. A. Taff. Observations on changes in the
 Canadian River Channel.

At 10 P. M. The Society adjourned.

T. W. Stanton
 Secretary

Ninety-third Meeting, November 22, 1899.
 In the Assembly Hall of the Cosmos Club.
 President Cross in the Chair.
 29 persons present.

The minutes of the 92nd meeting were read and approved.

Informal Communications.

E. E. Howell exhibited a set of new relief maps of the five continents, prepared from the latest available geographic and topographic data.

Discussion by Messrs. Emmons, Walcott and Howell.

David White exhibited specimens of coral, showing a stalactitic formation, from Tyler, Pa.

Discussed by Dr. Day.

Regular Program.

1. Ch. B. Weeks, Structural features on the western margin of the Great Basin.

Discussion by Messrs. Emmons, Walcott, and White.

2. F. C. Schrader, Preliminary notes on the Cape Nome Gold District, Alaska.

Discussion by Messrs. Emmons and Day.

3. David White, The type section of the Potsville formation.

Discussion by Messrs. Hager and White.

4. J. S. Diller, The Piasung Falls.

At 10.00 p.m. the Society adjourned.

David White,
 Secretary.

Nineteen-fourth Meeting - Seventh Annual meeting -
December 13, 1899.

In the Assembly Hall of the Cosmos Club.

President Cross in the chair.

16 members present.

The minutes of the Sixth annual meeting were read.

The annual report of the Secretaries was then presented, and, on motion of Mr. Willis, it was accepted.

The annual report of the Treasurer was then read. The auditing Committee, consisting of Messrs. Lindgren, Weed and Smith, reported that they had examined the Treasurer's accounts and found them in excellent condition. On motion of Mr. Emmons the report of the Treasurer was accepted.

In accordance with the Standing Rules the names of active members entitled to vote in the election of officers was read by the Secretary.

The President then appointed Messrs. Hare and Smith to act as Tellers, and the Society proceeded to ballot for officers for the ensuing year. The following named officers were duly elected:-

President: Whitman Cross.

Vice Presidents: J. S. Diller, C. W. Hayes.

Treasurer: M. R. Campbell.

Secretaries: F. L. Ransome, David White.

Members-at-large of the Council:
 { 9. P. Merrill,
 Bailey Willis,
 A. H. Brooks,
 Waldemar Lindgren,
 9. O. Smith.

The rough draft of the minutes was then read and approved.

The meeting was then opened for the reception of informal communications. None being offered, the Society adjourned at 9:15.

David White,
 Secretary.