

Twenty-sixth Meeting, Jan. 9, 1895.  
 Held in the Assembly Hall of the Cosmos Club.  
 President, G. Gilbert in the Chair.  
 30 members and guests present.

The Minutes of the last regular meeting were read, and of the special meeting on the occasion of the delivery of the Presidential address. The minutes were approved as read.

The President announced the appointment of Mr. J. S. Diller as the second representative of the Society upon the Joint Commission of the Scientific Societies of Washington. He also announced that the Committee on Communications for 1895 would consist of Bailey Willis, ~~Chairman~~, and J. H. Knowlton.

#### Informal Communications.

1. E. E. Howell exhibited a new meteoric iron from New Mexico - "the El Capitan", and, further, two interesting sections of the Canyon Diablo meteorite.
2. G. Gilbert spoke upon the observed independence of fault lines shown by the dikes of the Apishapa district, Colorado. Maj. C. E. Dutton made some remarks upon this subject. (S. F. Emmons in the Chair)
3. Whitman Cross briefly stated the position and general character of a series of strata exposed on the Animas river below Durango, Colorado, which seem to correspond very closely with the post-Laramie Denver beds, about the city of Denver.

#### Regular Program.

1. J. S. Diller. "Artificial wire silver prepared by F. C. Phillips" (presented by Bailey Willis) (5 min)
2. G. P. Merrill. "On the disintegration of the granitic rocks of the District of Columbia" (30 min)  
 Discussion by Messrs. Cross, Willis, Whitney, Gilbert and Packard.
3. W. Lindgren. "Characteristic features of the gold quartz veins of California," with specimens. 30 min.  
 Remarks by Mr. Merrill.

At 9.45 adjourned. Whitman Cross, Sec.

Twentyseventh meeting, January 23, 1895.

In the Assembly hall of the Cosmos Club.  
President G. K. Gilbert in the Chair.  
36 members and guests were present.

The Minutes of the last meeting were read by the Secretary and approved, after amendment.

The evening was devoted to a communication by Major J. W. Powell, entitled: "Classification and Seriation; the position of Geology among the Sciences". This communication was discussed by Messrs Ward and M. L. Gee.

At 10 o'clock adjourned,  
Whitman Cross.

Twenty eighth meeting, Feb. 13, 1895.

In the Assembly hall of the Cosmos Club.  
 President G. K. Gilbert in the chair.  
 47 members and guests present.

The Minutes of the last meeting were read by the Secretary, and approved as read.

Elections to membership were announced.  
 a letter from the Chemical Society of Washington was read inviting the members of the Geological Society to hear the Annual Address of the President of the Chemical Society, Feb. 14.

Communications.      Regular Program

1. Discussion of Field Methods: (1) How do you determine the thickness of strata? Symposium opened by G. K. Gilbert. In the further discussion Messrs. Diller, Hayes, Keith, Cross, Walcott and Van Hise took part.

2. Mr. M. R. Campbell. Rapid section work in horizontal rocks.  
 Remarks by Mr. Gilbert.

3. N. H. Darton and J. F. Kemp. Newly discovered dyke near Syracuse, N. Y. Illustrated by specimens.

At 10 o'cl adjourned

Witman Cross,  
 Sec.

Twenty ninth Meeting, Feb. 27, 1895.

In the Assembly hall, Cosmos Club.

President Gilbert in the Chair

45 persons present.

The minutes of the last meeting were read, and approved.

Communications. Regular Program.

1. C. R. Van Hise. "Analysis of folds". 45 min.  
Discussion by Messrs. Willis, Hayes and Keith.
2. G. H. Eldridge. "Notes on the Geology of Idaho". 15 min.

At 10 o'cl adjourned

Whitman Cross  
Sec.

Thirtieth Meeting, Mar. 13, 1895.

In the assembly hall, Cosmos Club.

President Gilbert in the chair.

32 persons present.

The Minutes of the last meeting were read by the Secretary, and approved.

Unannounced communication.

N. H. Darton. On a peculiar topographic feature in the Catskill Mountains, N. Y.

Regular Program.

1. H. W. Turner. Jurassic Crystalline Schists in the Sierra Nevada. Illust. by specimens. 10 min.
2. R. J. Hill. What is the Dakota formation? Remarks by Mr. Stanton. 30 min.
3. S. F. Emmons. Methods of Ore Deposition 45 min.

at 10 o'clock adjourned

Whitman Cross  
Sec.

Thirty-first Meeting, March 27, 1895.

In the Assembly hall, Cosmos Club.  
Mr. Bailey Willis in the Chair.  
41 members and guests present.

The Minutes of the last meeting were read by the Secretary, and approved.

Informal Communication.

Mr. E. B. Mathews exhibited some flattened garnets occurring between the folia of mica in a ~~North Carolina~~ pegmatite vein, in North Carolina, and described their crystal form and optical anomalies.

Regular Program.

Discussion upon Methods of Ore Deposition, opened by S. F. Emmons and further participated in by Messrs G. F. Becker and C. R. Van Hise.

C. W. Hayes. "Some cases of ore deposition by replacement." Messrs C. R. Van Hise G. F. Becker and Waldemar Lindgren took part in the discussion of this Communication.

G. K. Gilbert. "New Light on Isostasy"

Discussion by Messrs. Willis, Cross and Becker.

At 10<sup>30</sup> adjourned

Whitman Cross,  
Sec.

Thirtysecond meeting, April 10, 1895.

In the Assembly hall, Cosmos Club.  
Vice-President Diller in the chair.  
30 members and guests present.

The Minutes of the last meeting were read and approved.

Informal Communications.

Edw. Hayes exhibited some etched quartz pebbles from the Looscut Conglomerate of Tennessee, described their occurrence and suggested organic acids and potassium carbonate as the agents which had dissolved the silica.

Bailey Willis described the formation of a siliceous glaze on the exposed surfaces of Clinch sandstone in Tennessee and ascribed it to the solution and redeposition of silica.

M. R. Campbell described local base-level plains in eastern Kentucky with unusually abrupt change from the level plain to the adjacent slopes and suggested solution of siliceous rock as the agent of gradation.

Regular Program.

1. J. A. Taff. The Dakota Formation in Texas.  
Discussion by L. F. Ward and R. J. Hill.
2. W. Lindgren. Geology of Marysville Buttes, California.  
Discussion by Messrs J. S. Diller, W. J. McFee and G. K. Gilbert.

At 9.50 o'clock adjourned  
Edw. Hayes  
Sec.

Thirty third meeting, Apr. 24, 1895.

In the Assembly hall of the Cosmos Club.  
President Gilbert in the Chair.  
30 members and guests present.

The Minutes of the last meeting were read  
and approved.

Communications.

Regular Program.

1. W J McElye. The topographic development  
of Sonora. Discussion by Messrs. Hayes, Hill,  
Gilbert and Lindgren.

2. Whitman Cross. The geology of Cripple  
Creek, Colorado. Discussion by Messrs.  
Diller, Lindgren, and Weed.

3.

At 9.45 Adjourned

Whitman Cross  
Sec.



Thirty fourth meeting, May 8, 1895.

In the assembly hall, Cosmos Club.

Vice President Diller in the chair.

39 members & guests present.

The minutes of the last meeting were read and approved.

Communications.

1. Geo. F. Beesker. "Notes on the gold deposits of the Southern Appalachians."

Discussion by Messrs Chabard, Willis and McGeer.

2. C. W. Hayes. "Notes on the geology of the Cartersville sheet, Georgia."

3. Alfred H. Brooks. The crystalline rocks of the Cartersville sheet, Georgia.

4. Rester F. Ward. "The 'Red hills' and 'Sand hills' of South Carolina."

At 10 o'cl adjourned

Whitman Cross.  
Sec.

Thirty fifth meeting, May 22, 1895.  
 In the Assembly Hall, Cosmos Club.  
 31 members and guests present.  
 Pres. Gilbert in the chair  
~~members and guests present.~~

The minutes of the last meeting were read approved.

Communications. Regular Program.  
 E. Brown Goode. Questions in regard to the former extent of Continental Areas suggested by the Distribution of Oceanic Fishes.

The discussion was participated in by Messrs. Gilbert, Spencer, <sup>(by invitation)</sup> Merriam, Walcott and Kill.

E. D. Walcott. Recent Examination of the Cambrian in Georgia and Alabama.  
 Remarks by Mr. Hayes.

At 10 o'cl adjourned  
 Whitman Cross  
 Sec.

Thirty Sixth Meeting. Nov. 13. 1895.

In the Assembly Hall, Cosmos Club.

Vice Pres. Emmons in the Chair. Forty two members and guests present.

After the Minutes of the last meeting were read and approved -

Mr. S. F. Emmons read a paper entitled "A Review of the Literature of the South African Gold Fields."

Remarks were made by Messrs Procter, Purrington and Becker <sup>and</sup> Emmons.

The next communication was an "Informal summary of Observations in Alaska" by G. F. Becker and W. H. Dall.

Dr. Becker spoke particularly of the gold and Dr. Dall of the coal.

Remarks were made by Messrs Willis, Diller, and Dall.

At 10 o'clock the meeting adjourned.

J. S. Diller Jr.  
Whitman Cross

Secretary.

Thirty-seventh Meeting, Nov 27, 1895  
 In the Assembly Hall of the Connecticut  
 Vice President Emmons in the chair.  
 25 members and 10 guests present.

The Minutes of the last meeting, were read  
 and approved.

An election to membership was announced.

Journal Communication.

Mr. E. S. Walcott announced that he had  
 succeeded in making plaster casts of  
 living jelly fish, and spoke of the sig-  
 nificance of this result in studying the  
 well preserved of the Cambrian, recent-  
 ly discovered.

Regular Program.

Mr. W. S. Diller: Field Notes on the Geology  
 of Oregon.

Remarks by Messrs Willis and Walcott.

Mr. H. W. Turner: Geology of the Sonora  
 sheet, Cal. Discussion by Messrs  
 Walcott, Willis, Hague & Emmons.

Messrs. Diller, Willis & G. S. Smith: Notes  
 on Magnetic Ore, Snoqualmie, Wash.

Discussion by Messrs Turner & Brooks.

At 10 o'cl adjourned

Whittman Cross,  
 Sec.

Thirty-eighth Meeting. Dec. 11, 1895.

Held in Builders' Exchange hall on 13<sup>th</sup> St.  
under the auspices of the Joint Commission.

At this meeting President G. K. Gilbert delivered the Annual Address upon the subject "The Origin of Hypnotism." The address was illustrated by lantern slides, and was listened to by several hundred people.

Whitman Cross  
Sec.

Sixty ninth meeting Dec. 18, 1895  
 First Annual Meeting, held in the Assembly Hall of the Cosmos Club.

33 members were present.  
 President Gilbert in the Chair

The minutes of the 37<sup>th</sup> + 38<sup>th</sup> meetings and of the last Annual Meeting were read by the Secretary, and approved.

The Annual Report of the Secretaries for 1895 was read by Mr. Cross. The report was accepted by the Society.

The Annual Report of the Treasurer was then read. Nominations for an auditing Committee were called for, and the following members were elected as such Committee, viz: W. H. Weed, Arthur Keith, and Capt. Eldridge.

The Secretary read the names of members qualified to vote for officers, and the Society then proceeded to the election of the following board of officers for 1896

President: S. F. Emmons

Vice Presidents: J. S. Diller, Whitman Cross  
 Treasurer: Arnold Hague

Secretaries: C. W. Hayes, J. W. Stanton.

Members-at-Large of the Council { G. F. Beecher, R. J. Hill,  
 G. K. Gilbert  
 A. D. Walcott, G. P. Merrill.

At 9:40 adjourned

Whitman Cross  
 Sec.