

The First meeting, or meeting of Organization, was held in the office of the Director of the U.S. Geological Survey, in the Howe Iron Building, date,

The Chairman of the Committee of Organization, Mr. C. D. Walcott, presided, and the following officers were elected for the first year.

President: C. D. Walcott,  
Vice Pres: S. J. Emmons,  
W. H. Holmes,  
Treasurer: Arnold Hague,  
Secretaries: J. S. Diller,  
Whitman Cross,  
Council: G. K. Gilbert,  
G. F. Becker,  
J. M. Chatard,  
G. P. Merrill,  
G. H. Stoenage

Detailed minutes of this meeting are contained in the record of the Minutes of the Council, J. S. Diller, Sec.

Second Meeting, Mar. 8, 1893.

In the Assembly Hall of the Cosmos Club.  
The President, G. S. Walcott, in the chair.  
49 members and guests were present.

After some announcements the President called upon Major J. W. Powell to make some remarks as an Introduction to the meetings of the Society. Major Powell then gave a review of the advance of geology in the United States as influenced by the work of the several Geological Surveys of the West under government auspices, especially referring to the present Geological Survey.

The remarks of Major Powell were discussed by Messrs S. F. Emmons + A. H. Thompson.

A paper was then read by H. W. Turner, entitled: "On the Structure of the Gold Belt of the Sierra Nevada". This was discussed by Messrs S. S. Miller and Waldemar Lindgren.

Mr. S. F. Emmons read a portion of an article, "On the Geological Distribution of the Useful Metals". The hour for adjournment having arrived it was voted to continue the session for a time and Mr. Emmons read that portion of his article referring to deposits of Iron ore.

Remarks were made by Messrs R. D. Hill, W. H. Barton, and S. B. Noble.

At 10.35 The Society adjourned.

Whitman Cross.  
Sec.

Third Meeting, March 22, 1893.

In the Assembly Hall of the Cosmos Club. -  
The President, C. D. Walcott, in the chair.  
25 members and guests present.

The minutes of the last meeting were read and approved.

Communications:

The first communication was a short, informal one, entitled: "An Open Issue," by G. K. Gilbert. Discussion by Messrs. Bates, Eldridge, Diller, McJee & Becker.

The next communication by W. H. Holmes: "The bearing of talus formations on archeology," discussion by Messrs. Willis and McJee.

The final paper by C. D. Walcott: "The Algonkian rocks of the Grand Cañon of the Colorado".

Adjourned at 9.35

Whitman Pass  
See

Fourth Meeting, April 12, 1893.

In the Assembly Hall of the Cosmos Club,  
The President, H. S. Walcott, in the Chair.  
58 members and guests present.

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

The evening was devoted to a Symposium  
upon the subject: The Age of the Earth, taking  
as a basis for discussion the article by  
Mr. Clarence King in the American Journal  
of Science for January, 1893.

The discussion was opened by Mr.  
Lyell, and was further participated  
in by Messrs Simon Newcomb, William  
Hardeness and W. F. Meyer. The Secretary  
read a brief extract from a letter by  
Maj. C. E. Dutton.

Adjourned, 10 o'cl.

Whitman Cross  
Sec.

Fifth Meeting, April 26, 1893.

In the Assembly Hall of the Cosmos Club.  
The President, C. D. Walcott, in the Chair.  
33 members and guests present.

The minutes of the last meeting were read and approved.

The first half hour was devoted to further discussion upon the subject taken for the Symposium of the last meeting, namely, "The Age of the Earth". Mr. R. S. Woodward gave a criticism of the article by Mr. King.

The first formal paper of the evening was by Mr. Bailey Willis, entitled: "Interpretation of Sediments". Messrs. Chatard, Gilbert, Darton, Becker and McElyer took part in the discussion.

The second paper was by <sup>Mr.</sup> M. R. Campbell, entitled: "The influence of post-Paleozoic deformation on the drainage of the Central Appalachians" Discussion by Messrs Willis and McElyer.

Advised 10 o'clock  
Whitman Cross,  
Sec.

Sixth Meeting, May 10, 1893.  
 In the Assembly Hall of the Cosmos Club.  
 The President, C. D. Walcott in the Chair.  
 23 members and guests present.

The minutes of the last meeting were read and approved.

The Secretary announced elections to membership.

The President stated that the first half hour of each meeting would be devoted to short informal communications and announcements ~~not~~

#### Informal Remarks.

Mr. G. H. Williams of Baltimore spoke of a recently discovered work upon the geology of the eastern United States, published at Erlangen, in 1787.

Mr. G. F. Becker spoke of the earliest idea that the center of the Earth is fluid matter, - that of Descartes.

#### Journal Communications.

I. Water H. Weed. The Post-Laramie Beds of Montana. Discussion by Whitman Cross and C. D. Walcott.

II. J. S. Diller. The Tertiary Revolution in the Topography of the Pacific Slope.

Discussion: by M. R. Campbell, H. W. Turner, G. F. Becker, G. Thompson, W. Lindgren and J. S. Diller.

Adjourned 10 o'clock  
 Whitman Cross  
 Sec.

Seventh Meeting, May 24, 1893.

In the Assembly Hall of the Cosmos Club.  
The President, C. D. Walcott in the chair.  
20 members and guests present.

The minutes of the last meeting were read and approved.

The Secretary announced elections to membership.

Informal communications.

W. J. McElyer exhibited a geological map of the State of New York, indicating the present state of knowledge of the geology, and made some remarks upon the meaning of the map.

R. J. Hill spoke of certain recent geological formations of Mexico and of the arid regions of the West, which are not to be classified as sedimentary or eruptive. He specially referred to the calcareous tuffaceous formation of Mexico, and exhibited specimens of the same.

Formal papers.

Whitman Cross read an article entitled "On the Occurrence and Characteristics of Lacc-litic Rocks."

By invitation of the President, Prof. James Hall, of Albany, gave the Society a brief account of the development of the New York State Geological Survey, and also of the earlier geological societies of the United States.

Adjourned until Oct

Whitman Cross  
Sec.

Eighteenth Meeting. Nov. 22, 1893.

In the Assembly Hall of the Cosmo. Club.  
The President, C. D. Walcott, in the chair.  
42 members and guests present.

The minutes of the last meeting were read by the Sec. and approved. Announcement of an election to membership was made.

Informal Communications.

W. F. Hillebrand presented brief abstracts of two articles to be published elsewhere, the first entitled: "The Distribution of Strontium and Barium in eruptive and metamorphosed eruptive rocks"; the second - "A plea for greater completeness in chemical rock-analysis."

G. K. Gilbert gave an account of "A reexhumed pene-plain of Triassic Age, in Pueblo Co, Colo."

Journal Communications:

1. S. J. Emmons - "Notes on the Geology of Lower California." Discussion by J. S. Diller, G. P. Merrill, + C. D. Walcott.
2. R. J. Hill. - "The Southwestern extension of the Comanche Series." Discussion by W. B. Clark, J. S. Diller, Bailey Willis + C. D. Walcott.

At 10 o'clock the Society adjourned.

Whitman Cross.  
Sec.



Ninth Meeting = First Annual Meeting

Held Dec. 13, '93 in Assembly hall of Cosmos Club  
The President, C. D. Walcott, in the Chair.  
20 members present.

The President stated that by direction of the Council the following announcements were made.

1. The President stated that by vote of the other scientific societies the Geological Society of Washington had been accorded representation upon the usual basis, upon the Joint Commission of the Scientific Societies of Washington.

2. The Secretary announced the names of twelve persons elected to membership by the Council.

Report of the Secretaries. The annual report of the Secretaries for the first year was read by Mr. Cross. Upon motion it was accepted by the Society.

Report of the Treasurer. In the absence of the Treasurer, his first annual report was read by the Secretary, Mr. Cross. The President announced the auditing Committee for the Treasurer's report, as follows: J. Stanley Brown, chairman, with Messrs N. H. Darton and C. Willard Hayes.

List of qualified members. The Secretary read the names of members, who, having paid their dues for the past year, were entitled to vote in the annual election. A recess of five minutes was then taken.

Election of officers. The Society then proceeded to the election of officers for the coming year with the following result:

President: C. D. Walcott.  
Vice-Presidents: S. J. Emmons, G. K. Gilbert.  
Treasurer: Arnold Hague.

ann. meeting (cont.)

Secretaries: J. S. Diller, Whitman Cross.

Members at large of the Council { G. F. Becker, W. H. Dall,  
G. P. Merrill,  
R. J. Hill, C. Willard Hayes.

Mr. G. H. Eldridge was elected one of the Council <sup>but</sup> declined the election, as he expected to be absent a large part of the coming year.

Rough Minutes. The rough minutes of the meeting were read, and at 9.45 the Society

Adjourned.

Whitman Cross.  
Sec.

Twelfth Meeting. Dec. 20<sup>th</sup> 1893.

In the Assembly hall of the Cosmos Club.  
The Vice-President, S. F. Emmons, in the chair.  
37 members and guests present.

The minutes of the last meeting for the presentation of papers were read & approved.

The Committee appointed to audit the accounts of the Treasurer for 1893 reported that those accounts had been examined and found correct.

Announcements from the Council. 1. It was announced that the President, C. D. Walcott and ~~Mr~~ J. S. Diller had been appointed as representatives of the Society upon the Joint Commission of the Scientific Societies of Washington. 2. The Committee on Communications for the coming year was announced to consist of C. Willard Hayes, Chairman, and J. H. Knowlton.

Informal Communications. 1. R. J. Hill spoke upon the connection between Forest Growth and Geological Structure, in southern Indian Territory and northern Texas. Remarks were made by G. P. Merrill.

2. Whitman Cross described certain "Intrusive Sandstone Dikes in Granite" in the Pike's Peak region of Colorado, and exhibited specimens illustrating the same. Remarks by W. H. Dall.

Formal Papers. 1. G. P. Merrill, "The Onyx Marbles: Remarks on their use, origin and composition". Discussion by Messrs. Emmons, Diller and Cross. 2. J. S. Diller and J. W. Stanton: - "The Shasta-Chico Series of the Pacific Coast." Discussion by Messrs. Hill, Stanton & Diller.

At 10 o'clock the Society  
adjourned  
Whitman Cross  
Sec.