

Ninety-fifth Meeting, January 10, 1900.

In the Assembly Hall of the Cosmos Club.

President Cross in the chair.

22 persons present.

The minutes of the 93rd meeting were read and approved. The election was announced of three new Corresponding Members. As a result of formal balloting Mr. G. H. Gilbert was chosen as the nominee of the Society for a Vice-President of the Washington Academy of Sciences.

Informal Communications:

Mr. G. P. Merrill exhibited a specimen of nepheline melilitite basalt collected by Prof. C. H. Hitchcock in Oahu, Sandwich Islands.

Regular Program:

- (1) Mr. Joseph A. Taff — Structural Features of the Ouachita Mountain Range in Indian Territory.
Discussed by Messrs. Hayes, White, & Campbell.
- (2) Mr. Geo. P. Merrill — The Gem Mines near Bakersville, North Carolina.
Discussed by Messrs. Cross, Keith, Day, Spencer and Lindgren.
- (3) Mr. A. C. Spencer — A peculiar form of Talus.
Discussed by Messrs. Cross, Ransome, Merrill, Hayes, Stone and Smith.

The Society adjourned at 10 P. M.

F. L. Ransome
Secretary.

Ninety-sixth Meeting, January 24, 1900

In the Assembly Hall of the Cosmos Club, at 8 P.M.
President Cross in the chair.

24 Persons present.

The minutes of the 95th meeting were read and approved.
The election was announced of four new active members.
It was also announced that - Messrs. Hayes, Smith and
Vaughan had been appointed as the Committee on Communications.

Regular Program:

- (1) Mr. C. W. Hayes - Solution Sinks in a Quartzite Formation.
Discussed by Messrs. Campbell, Willis, and Cross.
- (2) Mr. J. E. Spurr - Structure of the Basin Ranges.
Discussed by Messrs. Cross, Emmons, Willis, Lindgren,
Smith, and Diller.

At 10 P.M. the Society adjourned.

F. L. Ransome
Secretary

Ninety-Seventh Meeting, February 14, 1900.

In the Assembly Hall of the Cosmos Club, 8 P.M.
President Cross in the chair.

24 Persons present.

The minutes of the 96th meeting were read and approved.

Informal Communications:

Mr. Willis gave an account of a diamond-drill hole in
flows of Columbia basalt at the Dalles, on the Columbia
River, which had reached a depth of 916 feet.

Mr. Turner spoke on the use of the term "Sierran" to
designate the early Pleistocene period of erosion, and illustrated
the need of the name by reference to the Sierra Nevada.

Regular Program:

- (1) F. L. Ransome - A Peculiar Clastic Dike, and its Associated
Ore deposit.

Discussed by Messrs. Diller, Lindgren, Willis, Spencer, + Cross.

- (2) Waldemar Lindgren - Wood River Mining District, Idaho.
Discussed by Messrs. Emmons + Cross.

- (3) ^{J. W. Sturton -} Metaceous Fossils Collected by J. B. Hatcher in Patagonia.

Discussed by Messrs. Cross + White.

At 10 P.M. the society adjourned

F. L. Ransome
Secretary

Ninety-Eighth Meeting, February 28, 1900.

In the Assembly Hall of the Cosmos Club.

Vice-President Diller in the chair.

40 Persons present.

The Minutes of the Ninety-seventh meeting were read & approved.

Informal Communications:

Mr. S. K. Silbert described the peculiar level character of ledges of rock exposed in the beds of the Potomac near Harpers Ferry and of the Columbia near the mouth of the Annetella.

Discussed by Messrs. Campbell, Diller, Willis and Weed.

Regular Program:

Mr. W. J. Mcbee - The Gulf of California as an Evidence of Marine Erosion.

Discussion of this paper was postponed.

Discussion - Conditions of formation of conglomerates and criteria for distinguishing between lacustrine and fluvial beds.

This discussion was introduced by a brief paper by Prof. W. M. Davis, read by Mr. S. K. Silbert, and was participated in by Messrs. Silbert, Emmons, Cross, Willis, Brooks, Becker, Turner, and Ludgrew.

At 10 P.M. the society adjourned

F. L. Ransome

Secretary

Ninety-Ninth Meeting, March 14, 1900.

In the Assembly Hall of the Cosmos Club.

President Cross in the chair.

30 persons present.

The Minutes of the 98th Meeting were read and approved.

Informal Communications. Mr. J. A. Taff exhibited some asphalt from Indian Territory & briefly described their occurrence.

Discussed by Messrs. White & Campbell.

Regular Program.

(1) Mr. F. E. Matthes - Isacial Sculpture in the Big Horn Mts.
Discussed by Messrs Cross, Turner, & Campbell.

(2) Mr. S. J. Adams - Physiography of the Arkansas Valley Region.

Discussed by Messrs. Campbell, Vaughan, Turner and Taff.

At 9:30 P.M. the Society adjourned.

F. L. Ransome

Secretary.

Joint Meeting, March 21, 1900.

A joint meeting of the Geological and Chemical Societies was held March 21, 1900, in the Assembly Hall of the Cosmos Club, Presidents Cross and Bolton presiding.

About 40 persons present.

Two subjects were announced on the program, of which the first only was discussed — "Cause of the Reddish Color in Sedimentary Formations." The discussion was opened by Messrs U. H. Darton and Wirt Fassin, and was participated in by Messrs. Richardson, Merrill, Keith, Chataud, Emmons, Lindgren, Campbell, Weed, Cameron, Stokes and Cross.

At 10 P. M. the societies adjourned.

F. L. Ransome

Secretary

One Hundredth Meeting, March 28, 1900
In the Assembly Hall of the Cosmos Club.

Vice-President Siller in the chair.

57 members and guests present.

The minutes of the ninety-ninth meeting and of the joint meeting with the Chemical Society were read and approved.

The President announced the election of Miss C. R. Mayo to active membership in the society.

The presentation of informal communications having been postponed by action of the Council, the Society entered at once upon the program of the evening, viz. a Symposium on Field Methods.

The methods in use in the Appalachian region were described by Messrs. Campbell and Keith.

The Great Plains methods were explained by Mr. Kaughan.

Mr. Irving presented the mode of work in the Adirondack Mountains, and Mr. Smith described the methods employed in the poorly exposed iron-bearing rocks of the Lake Superior region.

The methods found to be most advantageous in reconnaissance work in Alaska and in the Great Basin were described respectively by Messrs. Brooks and Spurr.

Mr. Cross then described the methods followed by parties in the Rocky Mountain region, and

Mr. Turner explained the method best adapted to the peculiar conditions in the Sierra Nevada.

Messrs. Turner, Hillis, Campbell, Weed, Roward, Keith, Irving, Cross, and Siller participated in the interesting discussions which were terminated by the expiration of the allotted time.

At 10.15 the Society adjourned.

David White,
Secretary.

One Hundred and First Meeting. April 11, 1900.

In the Assembly Hall of the Cosmos Club.

President Cross in the chair.

About 32 persons present.

The minutes of the 100th meeting were read and approved.

The election was announced of H. H. Hindsbaw to corresponding membership.

Informal Communications:

Mr. Bailey Willis described the occurrence of a red band of iron oxide in a bed of clay resting on sand, and presented an explanation of the phenomenon suggested by Mr. Hindsbaw.

Discussed by David White.

Regular Program.

(1) Mr. A. C. Spencer — River Terraces in Southwestern Colorado.

Discussed by Mr. Cross.

(2) Mr. N. H. Darton — Physiographic Development of the Black Hills.

Discussed by Mr. Willis.

(3) Mr. Bailey Willis — Geologic Aspects of Southern California.

Discussed by Messrs. Diller + Ransome.

At 9:40 the society adjourned.

F. L. Ransome

Secretary.

One Hundred and Second Meeting, May 2, 1900.

In the Assembly Hall of the Cosmos Club.

President Cross in the chair.

About 28 persons present.

The minutes of the 101 meeting were read + approved.

Informal Communications:

Mr. M. R. Campbell described certain drainage changes in the Monongohela + other rivers just outside the limit of glaciation, and discussed their origins.

Discussed by Mr. Bailey Willis.

Regular Program:

A. H. Brooks — Reconnaissance from Pyramid Harbor to Forty Mile River, Alaska.

F. C. Schrader — Reconnaissance along the Chandler and Koyukuk rivers, Alaska.

H. W. Turner — Geology of the Silver Peak District, Nevada.

These papers were illustrated by lantern slides.

At 10 P. M. the society adjourned.

F. L. Ransome

Secretary.

One Hundred + Third Meeting, May 9, 1900.

In the Assembly Hall of the Cosmos Club.

President Cross in the chair.

About 18 persons present.

The Minutes of the 102 Meeting were read + approved.

Informal Communications:

Mr. M. R. Campbell called attention to the remarkable manner in which a study of the fresh-water mollusks of the southeastern U.S. by Simpson had confirmed certain conclusions as to drainage changes in the southern Appalachians previously reached by Hayes + Campbell on physiographic grounds.

Regular Program:

Mr. J. D. Irving - The Siliceous Ores of the Black Hills.
Discussed by Messrs Spurr, Merrill + Cross.

Mr. J. E. Spurr - The Igneous Rocks of the Great Basin.
Discussed by Messrs Cross, Ransome + Smith.

Mr. G. P. Merrill - A new Meteorite.
Discussed by Mr. Cross.

At 10 P.M. the Society adjourned

F. L. Ransome

Secretary

One Hundred + Fourth Meeting, November 14, 1900.

In the Assembly Hall of the Cosmos Club

President Cross in the chair.

Twenty three persons present.

The minutes of the 103 Meeting were read and approved.

Regular Program:

Mr. Bailey Willis - Notes on Lake Chehalis + Vicinity.
Discussed by Messrs. Spurr + Miller.

Mr. G. P. Merrill - Frost's Geological Map of Philadelphia and Environs, 1826. Copy of map exhibited.

Mr. J. E. Spurr - The Ore Deposits of the Monte Cristo District, Washington.
Discussed by Messrs. Brooks, Willis, Mendenhall, Gilbert, Emmons, Ransome + Cross.

Mr. F. L. Ransome - The Mother Lode District Folio, Calif

Mr. David White - Some ^{Paleobotanical} Aspects of the Palaeozoic Formations of Nova Scotia.

at 10 P.M. the society adjourned

F. L. Ransome Secretary

One Hundred + Fifth Meeting, November 28, 1900.

In the Assembly Hall of the Cosmos Club,
President Cross in the chair

24 Persons present.

The Minutes of the 104th meeting were read & approved.
A committee consisting of Messrs. Mendenhall, Spencer,
& Irving, was appointed by the chair to audit the accounts
of the treasurer.

Regular Program:

Mr. Arnold Hague - Account of the International
Geological Congress at Paris, 1900.

Mr. F. L. Ransome - The Fissure Systems of the
Silverton Quadrangle, Colo.

Discussed by Messrs. Walcott, Gilbert & Cross.

At 10 P. M. the Society adjourned.

F. L. Ransome

Secretary.

One Hundred and Sixth Meeting, December 12, 1900.

In the Assembly Hall of the Cosmos Club.

President Cross in the chair.

24 Persons present.

The minutes of the previous meeting were read & approved.
The election, to active membership, was announced of the
following:

W. S. Frazier Smith.

Geo. B. Richardson.

Arthur J. Collier.

Myron L. Fuller.

Informal Communications:

Mr. N. H. Darton exhibited a specimen of barite crystals
in a cavity in rhyolite from the vicinity of Castle Rock
near Denver, Colo.

Mr. Whitman Cross called attention to some pas-
sages in Pemberton's Petralogy, published in London, 1811.

Regular Program:

Mr. C. W. Hayes - Geological Relations of the Tennessee Brown Phosphate.

Discussed by Messrs. Emmons & Willis.

Mr. Lester F. Ward - The Autochthonous or Allochthonous
Origin of the Coal & Coal Plants of Central France.

Discussed by Messrs. Emmons, White, Willis & Hague.

Mr. E. E. Howell - Exhibition of a geological relief map

of the United States.

At 10 P.M. the society adjourned
 F. L. Ransome
 Secretary.

Eighth
Annual
Meeting

One Hundred + Seventh Meeting - Eighth Annual Meeting Dec 19, 1900.

In the Assembly Hall of the Cosmos Club
 President Cross in the chair

33 Persons present.

The Minutes of the Seventh Annual Meeting were read. The Annual Report of the Secretaries was read and accepted. The Report of the Treasurer was read, and the Auditing Committee, consisting of Messrs Mendenhall, Spencer and Irving, reported the treasurer's accounts to be in excellent condition. On motion of Mr. White the report of the treasurer was accepted.

In accordance with the standing rules, the secretary read the names of active members entitled to vote in the election of officers.

The president then appointed Messrs. Keith and Spencer as tellers, + the society proceeded to ballot for officers for the ensuing year. The following officers were elected:

President : J. S. Diller.

Vice-Presidents: C. W. Hayes + G. P. Merrill.

Treasurer : M. R. Campbell.

Secretaries : David White + F. L. Ransome.

Members-at-large of
 the Council : { Bailey Willis
 A. H. Brooks T. W. Stanton.
 W. Lindgren
 G. O. Smith.

By formal ballot Mr. G. K. Gilbert was chosen as the nominee of the Society for a Vice-President of the Washington Academy of Science.

The rough draft of the minutes of the meeting were then read + approved.

At 10:40 P.M. the meeting adjourned
 F. L. Ransome
 Secretary.

Special Session preceding the Eighth Annual Meeting

At a special session held immediately before the Annual Meeting, the address of the retiring President, on the "Development of Systematic Petrography during the Nineteenth Century" was read by Mr. Whitman Cross. F. L. Ransome