

ABSTRACT OF MINUTES
—OF THE—
COLORADO SCIENTIFIC SOCIETY,
FOR THE YEAR 1886.

OFFICIAL PART.

THIRTIETH REGULAR MEETING.

JANUARY 4th, 1886.

In the Society Room, County Court House.

The Vice President, P. H. van Diest, in the Chair.

Messrs. George H. Eldridge, W. B. Smith, J. B. Farish,
and Benj. H. Smith, were elected members of the Society.

BUSINESS OF THE ANNUAL MEETING.

The following annual reports were submitted :

*Report of the Secretary of the Colorado Scientific Society, for the
year 1885.*

Gentlemen :

In the Report which I now have the honor to submit to you it is my intention to give a somewhat more detailed review of the past year's progress, and a fuller statement of the present condition, of the Society, than has heretofore been done. It also seems a fitting place for a few comments upon the success or failure of some of the year's endeavors.

OFFICERS.

The Society has suffered a serious loss in the recent removal from the State of Mr. W. F. Hillebrand, from the first a zealous worker for the Society, and for the past year its efficient President.

In November, Mr. F. F. Chisolm resigned the office of Secretary and Treasurer on account of business engagements, his successor being elected in December.

INCORPORATION.

In January the Society became a regularly incorporated body under the laws of the State, this step being taken as a necessary preliminary to an attempt to secure financial aid from the Legislature, to which reference will be made in another place.

MEMBERSHIP.

The Society has lost one member by death, two by resignation, and three whose names have been dropped for non-payment of dues. To offset these losses there have been but three additions, making a net loss of three, which reduces the total membership to thirty-nine (39). The indications are that a decided increase will take place during the coming year.

MEETINGS.

Ten regular, and two special, meetings have been held. The average attendance was nine; the largest number at any meeting fourteen; and a quorum was twice lacking. These figures show a decrease in attendance, but the number at particular meetings has been proportional to the communications offered.

COMMUNICATIONS.

Fourteen original articles, to be published in the year's Proceedings, have been read at the meetings. These have

come from nine different persons. In this respect there is a noteworthy gain over the preceding year, the number of contributors being nearly doubled and the number of papers materially increased. Short notices, of which abstracts appear in the minutes, were offered by five members only. In this direction there is certainly much room for improvement. There are few members who do not observe something noteworthy each month, which, if brought out at our meetings in an informal way, would greatly increase the general interest, and might in many cases serve to stimulate more extended investigation.

PUBLICATION.

The year has seen the issue of Volume I. of the Society's Proceedings, a step which has brought us directly before the scientific world as an organization. The Society has sent out 120 copies of the Proceedings; 79 being to foreign, 41 to domestic, Societies and Institutions.

THE COLLECTIONS.

The chief additions have been to the mineralogical collection. In this direction the most important gain has been made by securing a number of valuable specimens illustrating the rich telluride deposits of Boulder County. The petrographical and palæontological departments have received scattered donations, but the care and attention of special curators are necessary to secure that growth which is desirable and entirely possible.

THE LIBRARY.

The additions to the library during the year embrace 57 complete volumes; 40 parts of volumes, chiefly the publications of scientific societies, 42 miscellaneous pamphlets, and 7 atlases containing maps.

Members have deposited in the library, as loans, 48 complete volumes and 82 parts of volumes.

PROJECTS IN AID OF COLLECTIONS.

After the incorporation of the Society, in January, a bill was introduced in the State Legislature providing for an annual appropriation of \$1000 in aid of the Society's library and collection. The Legislature adjourned without acting upon this bill.

Later in the year a circular letter was prepared by the Secretary, setting forth the aims of the Society and soliciting donations of specimens and of money. 300 copies of this circular were widely distributed in the State, but so far as I know there has not been a single response. In this connection I wish to say that it is a common experience of new societies that general, and in particular, *printed* appeals to the public are of very little effect. The personal application of a single member is more productive of results than a thousand printed circulars. The method of personal solicitation has now been taken up, and with prospects of some success.

SOCIETY ROOMS.

The removal of the State offices from the Glenarm building, in April, made it necessary to seek other quarters for the Society, and upon application to the Commissioners of Arapahoe County a room in the Court House was placed at our disposal. It was occupied in May.

PROPOSED UNION WITH OTHER SOCIETIES.

In October the Society received a proposition from various other organizations of the city, to join with them in the formation of an Academy of Sciences. After due consideration this project was unanimously rejected, in the November meeting.

Respectfully submitted,

WHITMAN CROSS, *Secretary.*

JAN. 4, 1886.

Report of the Treasurer of the Colorado Scientific Society, for the year 1885.

DR. 1885.		CR. 1885.	
To Receipts:	\$	By Expenditures:	\$
Jan. 5. Balance to credit of Society in Colorado National Bank	112 00	Printing Misc.	10 25
Dues paid in	430 00	" Proceedings	199 75
From sale of Vol. I. of Proceedings	46 95	Engraving	30 00
Rent refunded	8 00	Minerals	36 00
Mineral fund:		Furnishing room	53 80
P. H. van Diest	7 25	Incorporation	7 00
S. F. Emmons	25 00	Corporate seal	5 50
	32 25	Postage, cards, etc.	22 07
		Stationery	10 10
		Expressage	12 70
		Rent	8 00
		Janitor	15 00
		Sundries	2 55
		Jan. 4, 1886. Balance in Bank	211 98
		Personal poss.	4 50
			216 48
	\$629 20		\$629 20

WHITMAN CROSS, Treasurer.

Examined and compared with the vouchers and found correct.

F. GUITERMAN, }
L. G. EAKINS, } Auditors.

Upon motion, duly seconded, the reports of the Secretary and Treasurer were accepted as read.

The Society then proceeded to the election of officers for the ensuing year, and the following were chosen :

- President, RICHARD PEARCE.
- Vice-President, P. H. VAN DIEST.
- Secretary and Treas., WHITMAN CROSS.

EXECUTIVE COMMITTEE.

- P. H. VAN DIEST, FRANKLIN GUITERMAN,
- W. P. HEADDEN, R. C. HILLS,
- E. W. ROLLINS.

In the absence of the retiring President, the Vice-President read an address, in which many of the scientific achievements of the past year were enumerated (see p. 37). After the reading of this address the Society tendered the Vice-President a vote of thanks.

THIRTY-FIRST REGULAR MEETING.

FEBRUARY 1ST, 1886.

In the Society Room, County Court House.

The Vice-President, P. H. van Diest in the Chair.

The Executive Committee reported the following appointments:

Librarian.—O. J. Frost.

Curators.—Wm. P. Headden and W. B. Smith in Mineralogy; R. C. Hills in Petrography and Palæontology; Richard Pearce in Metallurgical Products.

COMMUNICATION.—The following named paper was read by Wm. P. Headden: "Notes on the precipitation of titanitic acid by hydric sulphide."

THIRTY-SECOND REGULAR MEETING.

MARCH 1ST, 1886.

In Society Room, County Court House.

The President, Richard Pearce, in the Chair.

The Executive Committee announced the award of the contract for the printing of the Proceedings for 1885; also, the preparation of a Museum Fund subscription list; and the appointment of Franklin Guiterman as curator in the department of Economic Geology.

An amendment to Sec. 12 of the By-Laws, proposed by Whitman Cross and Franklin Guiterman, was read.

COMMUNICATIONS.—The following named papers were read:

By P. H. van Diest, "Notes on some Boulder County Veins."

By C. G. Slack, "Notes on the Artesian Wells of the Denver Basin."

By Whitman Cross, "On the Occurrence of Garnet and Topaz in Lithophyses of Rhyolite from Nathrop, Col."

By Richard Pearce, "Notes on what appears to be a New Mineral from the Gagnon Mine, Butte, Montana."

Mr. F. F. Chisolm presented some statistics concerning the production of coal in the Rocky Mountain region, during the year 1885.

THIRTY-THIRD REGULAR MEETING.

APRIL 5TH, 1886.

In the Society Room, County Court House.

The President, Richard Pearce, in the Chair.

A letter from the Secretary was read stating that he should be absent from the city for several months. Mr. R. C. Hills was appointed by the Executive Committee as Acting Secretary.

Mr. E. E. Burlingame of Denver was elected a member of the Society.

A letter from Messrs. Whitman Cross and Franklin Guiterman asking unanimous consent to the withdrawal of the amendment to Sec. 12 of the By-laws, proposed at the March meeting. Consent was granted.

COMMUNICATIONS.—No formal papers were presented.

THIRTY-FOURTH REGULAR MEETING.

MAY 3D, 1886.

In Society Room, County Court House.

The Vice-President, P. H. van Diest, in the Chair.

Messrs. A. Wartenweiler, Butte, Montana; Roy F. Wrigley, Silverton, Col.; and Thomas M. Trippe, Howardsville, Col., were elected members of the Society.

COMMUNICATION.—By Whitman Cross and L. G. Eakins, "On Ptilolite; a New Mineral."

THIRTY-FIFTH REGULAR MEETING.

JUNE 7TH, 1886.

In Society Room, County Court House.

The Vice-President, P. H. van Diest, in the Chair.

In the absence of the Acting Secretary, Mr. L. G. Eakins was appointed Secretary *pro tem*.

Dr. S. F. Rouse of Denver, was elected a member of the Society.

COMMUNICATION.—By R. C. Hills, "A Modification of Berthier's Method for the Assay of Fuels," etc.

The Society adjourned to the first Monday in October.

THIRTY-SIXTH REGULAR MEETING.

OCTOBER 3D, 1886.

In Society Room, County Court House.

The Vice-President, P. H. van Diest, in the Chair.

Messrs. Frederick Mentzel of Durango, Col., and W. George Waring, of Silver City, New Mexico, were elected members of the Society.

The Executive Committee reported that the State Historical Society had, upon request, granted to the Colorado Scientific Society the use of their adjacent Museum Room, for meetings and for the collections; and that, accepting this offer, the mineralogical and geological collections had been removed to the quarters thus provided.

Accessions to the Museum and Library were read.

The resignation of M. W. Iles was read and accepted.

COMMUNICATIONS.—The following named papers were read:

By S. F. Emmons, "Notes upon some Colorado Ore Deposits."

By R. C. Hills, "Notes on the recent discovery of Natural Gas in Pitkin County, Colorado."

By W. B. Smith, "Notes on the Crystal Beds of Topaz Butte."

By Whitman Cross, "The Cimarron Landslide, July, 1886."

THIRTY-SEVENTH REGULAR MEETING.

NOVEMBER 1ST, 1886.

In Society Room, County Court House.

The President, Richard Pearce, in the Chair.

COMMUNICATIONS.—The following named papers were read:

By R. C. Hills, "On the Circulation of Water through the strata of the Upper Cretaceous Coal Measures of Gunnison County, Col."

By Richard Pearce, "Notes on a new occurrence of Copper Arsenates and associated minerals, in Utah."

THIRTY-EIGHTH REGULAR MEETING.

DECEMBER 6TH, 1886.

In the Society Rooms, County Court House.

The President, Richard Pearce, in the Chair.

Messrs. Timothy W. Stanton and James Murdock of Denver were elected members of the Society.

The Executive Committee announced the appointment of Wm. P. Headden, R. C. Hills and the Secretary, as a Publication Committee, charged with the issue of the Proceedings for 1886.

The following nominations for officers, for the year 1887, were made, to be voted upon at the January meeting :

President,	P. H. VAN DIEST.
Vice-President,	WM. P. HEADDEN.
Treasurer,	{ S. F. ROUSE,
	{ E. W. ROLLINS.
Secretary,	WHITMAN CROSS.

EXECUTIVE COMMITTEE.

E. W. ROLLINS,	R. PEARCE,
R. C. HILLS,	GEO. C. MUNSON,
WM. P. HEADDEN,	W. B. SMITH,
HERMANN BEEGER.	

COMMUNICATIONS.—The following papers were read :

By Rev. R. T. Cross (by invitation), "Notes on Aquamarines from Mt. Antero, Col.

By Samuel L. Penfield (by invitation), "Phenacite from Colorado."

By F. F. Chisolm, "The Elk Head Anthracite Coal Field of Routt County, Colorado."

By Richard Pearce, "Further Notes on rare Copper Arsenates from Utah."