

ABSTRACT OF MINUTES  
-OF THE-  
COLORADO SCIENTIFIC SOCIETY,  
FOR THE YEAR 1888.

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OFFICIAL PART.

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*FORTY-NINTH REGULAR MEETING.*

JANUARY 2D, 1888.

In the Society Rooms, County Court House.

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

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Messrs. Geo. L. Cannon, Jr., of Denver, Edmond C. van Diest, of San Luis, and Ernest J. H. Amy, of Durango, were elected members of the Society.

The resignation of B. H. Smith was read and accepted.

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BUSINESS OF THE ANNUAL MEETING.

The following annual reports were submitted :

*Report of the Secretary of the Colorado Scientific Society for the year 1887.*

*Gentlemen :*

I submit to you herewith a report of the progress made by the Society during the past year. It is a record of steady growth, which, while by no means as great as it should have been, is still a good ground for the belief that

the Society has acquired a firm basis and will continue to expand as opportunities appear. The growth of the Society in the various directions open to it has never reached any other limitation than that imposed by the degree of interest and energy manifested in developing it.

MEMBERSHIP.

New members elected, . . . . .	6
Active membership, January 1st, 1888, . . . . .	57
Gain during year, . . . . .	6
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Residents of Denver, . . . . .	28
Non-residents, . . . . .	29

The latter statistics show that the interest taken in the Society is widespread, for the non-resident members are scattered through nine different States and Territories. It is also noteworthy that out of fourteen removals from the State there have been in the history of the Society but two resignations.

MEETINGS.

Number of meetings held, . . . . .	10
Total number of members present, . . . . .	106
Total number of visitors present, . . . . .	19
Largest number present at any meeting, April, . . . . .	17
Smallest number present at any meeting, . . . . .	8

Comparing these figures with those of 1886 it is seen that the attendance has remained almost the same, the increase being very slight. Indeed, the average attendance of members at meetings has only increased from 9 during the first year of the Society to 10.6 during the past year. This is largely accounted for by the fact that the gain in membership has been chiefly of non-residents.

COMMUNICATIONS.

Number of members contributing original, written articles, . . . . .	9
Total number of written articles, . . . . .	15
Number of informal communications of original character, . . . . .	13

The number of formal papers presented by members has remained exactly as in the previous year while there is a gain in the direction of informal notes, and it is certainly true that the latter communications have added much to the interest of the meetings. They are naturally brief as a rule and hence cannot interfere with the formal papers while the facts presented are often likely to stimulate some one to an extended investigation of the subject concerned. The gain in this respect might certainly be great were the members so inclined.

Respectfully submitted,

WHITMAN CROSS, *Secretary.*

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*Report of the Librarian of the Colorado Scientific Society for the year 1887.*

The total number of complete volumes and current parts of volumes now in the library is 257 ; the number of pamphlets is 137 ; making a total of 394.

ACCESSIONS DURING PAST YEAR.

Complete volumes, . . . . .	45
Volumes and parts of volumes of periodicals, . . . . .	26
Pamphlets, . . . . .	37
Maps, . . . . .	2

PUBLICATION AND EXCHANGE.

Volume II, Part 2, of the Proceedings has been issued.

The number of Societies and Institutions with which we are in relations of mutual exchange is 37. A systematic effort to enlarge the exchange list is now being made, with very good prospects of success.

*Report of the Treasurer of the Colorado Scientific Society for the year 1887.*

DR. 1887.		CR. 1887.	
Jan. 5. To balance on hand,	\$434 36	By printing Proceedings,	\$
Subscription to Museum Fund, . . . . .	60 00	Vol. II, Part II, . . . . .	217 65
Membership dues collected,	470 00	Miscellaneous printing, . .	45 00
Proceedings sold, . . . . .	7 45	*Minerals, Fossils, Tellurides, etc., purchased, .	456 40
		Museum cases, tables, trays and repairs, . . . . .	172 59
		Postage and supplies, . . .	5 25
		Books, stationery, etc., . .	20 80
		Freight, . . . . .	17 88
		Janitor, . . . . .	10 00
		By balance on hand, . . . .	26 24
	\$971 81		\$971 81

E. W. ROLLINS, Treasurer.

*Museum of the Colorado Scientific Society. Report of the Curator for 1887.*

During the year ending December 31st, 1887, the following additions were made to the collections of the Society :

*Mineral Specimens.*—Donated : by Whitman Cross, 99 ; by Richard Pearce, 18 ; by W. B. Smith, 6 ; by J. B. Farish, 6 ; by S. G. Sackett, 5 ; by J. G. Hiestand, 3 ; by A. W. Anthony, 3 ; by L. D. Ricketts, 2 ; by F. F. Chisolm, 2 ; by R. C. Hills, 2 ; and by Messrs. G. L. Cannon, Jr., E. C. van Diest, L. G. Eakins and C. W. Goodale one specimen each. Purchased, 48. Total accessions, 198 specimens.

*Fossil Specimens.*—Donated : by R. C. Hills, 23 specimens of plants and 8 species of invertebrates ; by L. D. Ricketts, 5 species of invertebrates ; by T. W. Stanton, 4 species of cephalopods ; by J. V. Dexter, 1 plant and 2 Eocene fishes ; by G. L. Cannon, Jr., fragmental remains of 6 species of vertebrates ; by George Eastwood, 1 plant ; by J. B. Farish, 1 species of invertebrate ; and by S. F.

\* This includes several purchases made in 1886.

Rouse, 1 plant. Purchased, 24 specimens of plants and 6 species of fishes. Total, 82 specimens.

*Rock Specimens.*—Donated: by W. B. Smith, 15; by S. F. Emmons, 17; by J. W. Hart, 10; by E. B. Gorton, 1. Total, 43 specimens.

*Ore Specimens.*—Donated: by J. H. E. Waters, a suite of 10 specimens representing the ores of the Sheridan and Mendota mines in San Miguel Co.; by Rudolph Keck, 3; by Gregory Board, 3; by R. C. Hills, 3; by Messrs. Pearce, Farish, van Diest and Frost, two specimens each; and by Messrs. Anthony and Ricketts, one specimen each. Total, 29 specimens.

*Miscellaneous.*—By F. F. Chisolm, 5 samples of anthracite from the beds near Irwin, Colo.; by R. C. Hills, several samples of coal from the Raton and Grand River fields, and of natural coke from near Trinidad, Colo.; by G. L. Cannon, Jr., 2 entomological specimens.

*Exchanges.*—Minerals have been sent in exchange for 87 mineral specimens received by the Curator.

Since the last report the following expenditures have been made on account of the Museum:

Eight glass cases and five tables, . . . . .	\$135.00
Shelves, trays and repairs, . . . . .	37.29
Catalogue in blank (IV parts), . . . . .	13.00
Specimens purchased, . . . . .	<u>273.00</u>
Total, . . . . .	\$451.29

Through the kindness of the Director of the U. S. Geological Survey, Mr. S. F. Emmons has been permitted to deposit temporarily in the Museum of the Society a systematic collection of eruptive rocks from the Leadville, Ten Mile, Silver Cliff and Gunnison regions. This collection embraces about 760 hand specimens properly labelled and arranged for inspection.

The Museum has been further enriched by the very valuable suite of rare copper arsenates from Tintic District, Utah, deposited by Mr. Richard Pearce.