

amples of which are in existence. It is also announced that the Museum last year purchased the Ulke collection of Coleoptera. Among other illustrations the report contains a fine view of a remarkable lot of 'cannon-ball' concretions in Laramie sandstone.

It is announced that no less than 843 scholars participated in the Prize Essay Contest, the subject being 'An Afternoon at the Carnegie Museum.' The successful essay is printed in full and the names and addresses of the other contestants are given.

THE Annual Report of the President of the American Museum of Natural History for the year 1900 is also at hand. The most evident progress has been made in arranging the extensive anthropological collections of the Museum, and the new West Hall, devoted to the American Indian and Eskimo, was opened on November 1, 1900.

No less than seven expeditions were sent out during the year to conduct ethnological and archeological researches, including one to Siberia and another to the vicinity of Lake Titicaca. This extended work was made possible through the liberality of friends of the Museum.

The Department of Vertebrate Paleontology, which completed its first decade in May of this year, comprises in its collections 8,534 specimens of fossil mammals and about 4,000 of reptiles. The most important accessions during 1900 were a complete skeleton of the herbivorous dinosaur, *Thespesius*, and one of a carnivorous dinosaur, several partial skeletons of horses from Texas, and a skull of elephant.

The attendance during the year was 523,522, an increase of a little more than 65,000 over the previous year. It is announced that the income from the endowment fund is now \$20,280, and while this is gratifying it is to be wished that it were ten times as great. For the first time in many years the report contains no illustrations, but this is more than compensated for by the publication of the *Museum Journal*, which chronicles the current progress of the institution.

F. A. L.

THE AMERICAN CHEMICAL SOCIETY.*

THE Twenty-Fourth General Meeting of the American Chemical Society will be held in the High-School building, on the block bounded by Nineteenth, Stout, Twentieth and California Streets, Denver, Colorado, Monday and Tuesday, August 26 and 27, 1901.

The same arrangements as heretofore will prevail between Section C of the American Association for the Advancement of Science and the American Chemical Society. Monday and Tuesday of the Association week will be devoted mainly to the sessions of the American Chemical Society, and the remainder of the week to those of Section C. A few minutes will be given to Section C for organization on Monday morning, and in the afternoon the American Chemical Society will adjourn in time to afford the opportunity of listening to the address of the Vice-President of Section C.

The first session of the Society will convene on Monday morning, August 26, immediately after the organization of Section C of the A. A. S., probably at about 11.30 A. M.

The afternoon session will be called to order at 1.30 P. M., and will be adjourned in time to listen to the address of Vice-President Long before Section C.

At the close of Vice-President Long's address, a meeting of the Council and Directors of the American Chemical Society will be held at some convenient place to be announced.

The hour for the morning and afternoon sessions of the Society on Tuesday will be announced on the program. Other arrangements for the meeting will also appear in the official program, or be announced at the sessions of the Society.

Hotel headquarters for the meeting will be at the Brown Palace Hotel, Seventeenth and Tremont Streets. Rates: American plan, \$3.00 to \$5.00 per day; European plan, \$1.50 up. This hotel is within five minutes' walk of the Denver High School Building, and is reached from the Union Depot by the Seventeenth Street electric car line.

The following is a list of other hotels and boarding houses easily accessible to the Denver High School:

* Announcement of the secretary.

The Albany, 17th and Stout Streets. American plan, \$2.00 to \$4.00; European plan, \$1.00 to \$2.00 per day.

The New St. James, Curtis Street, between 15th and 16th Streets. American plan, \$2.00 to \$3.50; European plan, \$1.00 to \$2.50 per day.

The Oxford, 17th and Wazee Streets, one block from Union Depot. European plan only, \$1.00 to \$2.00 per day.

The Windsor, 18th and Larimer Streets. American plan, \$2.00 to \$3.50; European plan, \$1.00 to \$2.00 per day.

American House, 16th and Blake Streets. American plan, \$2.00 per day.

Hotel Metropole, opposite Brown Palace Hotel. American plan, \$2.50 to \$5.00 and up; European plan, \$1.00 to \$3.00 per day and up.

Hotel Albert, 17th and Welton Streets. European plan, \$1.00 to \$1.50 per day.

The Belvoir, 737 East 16th Avenue. Room and board, \$1.50 to \$2.00 per day.

The Bonaventure, 18th and Glenarm Streets. European plan only, 75 cents to \$1.50 per day.

The Broadway Hotel, Broadway and Cheyenne Street. American plan, \$1.50 to \$2.00 per day.

The Drexel, 433 17th Street. European plan, 75 cents to \$2.00 per day; \$4.00 to \$8.00 per week.

Douglas Place, 1439 California Street. Room and board, \$1.50 per day; \$7.00 per week and up.

The Grant, 1922 Grant Avenue. Room and board, \$1.25 per day; \$8.00 per week.

The Holland, 17th Street and Pennsylvania Avenue. Room and board, \$1.50 to \$2.00 per day.

The Princeton, 2137 Stout Street. Room and board, \$5.00 to \$7.00 per week.

The Vallejo, 1420 Logan Avenue. Room and board, \$2.00 to \$4.00 per day.

The Vaille, 208 17th Street. European plan, \$1.00 to \$2.00 per day.

Warren Hotel, 17th and Larimer Streets. Rooms, 75 cents to \$2.00 per day.

Young Women's Christian Association, 18th Street and Sherman Avenue. Ladies only.

Reservations for accommodations should be made as early as possible, by direct corres-

pondence with the hotels and boarding houses. The Local Committee on Hotels and Boarding Houses will also be glad to give information on this subject. Address communications to Arthur Williams, Local Secretary, P. O. Box 1504.

The Western Passenger Association, covering the territory west of Chicago and St. Louis, has made a rate of one fare plus \$2.00 for the round trip, in their territory, to Denver, Colorado Springs and Pueblo. The tickets may be bought from July 10 to August 31, and are good for return up to October 31. At this rate the fare from Chicago to Denver and return will be \$31.50. The Pullman fare is \$6.00 extra each way. Rates from points east of Chicago will be announced later in the columns of SCIENCE.

It is probable that there will be, however, a choice of the following terms:

1. A rate of one and one-third fare on the certificate plan for the round trip from starting-point to Denver and return.

2. Full fare from starting-point to Chicago and return, and the above rate of \$31.50 from Chicago to Denver and return.

3. Regular season rates for Colorado tours.

Which of these terms will be the most advantageous must be ascertained by inquiry at the various local ticket offices.

The Pullman rates from New York to Chicago will be \$5.00 extra each way, and those from other points can be ascertained upon inquiry at the various local offices.

If rates are obtained on the certificate plan, the name 'American Association for the Advancement of Science' should appear on the certificate, as all arrangements of this kind are made by that body and not by the American Chemical Society.

Various visits and excursions will be arranged by the Local Committee of the A. A. A. S. and the Local Committee of the American Chemical Society. These will probably include visits to the smelting and reduction works in the vicinity of Denver, and other places of special interest to chemists.

Members who have papers to present at the meeting are requested to mail to the Secretary, in the enclosed envelope, as soon as possible, name of author, title of paper, and estimated

time for reading the same. It is also earnestly requested that *all members of the Society fill out and return the enclosed slip at once*, whether they expect to attend the meeting or not, being careful to give the name and address as they should stand on the official roll of the Society, which is now being revised for the annual directory.

Manuscripts and abstracts of papers may be sent to the Secretary, Albert C. Hale, addressed to Jewett, Greene Co., N. Y., till August 15; after that date they should be addressed to him at the Brown Palace Hotel, Denver, Colorado.

Many of the members responded with praiseworthy interest and zeal in the effort to increase the membership of the Society to 2,000 before the date of the 25th anniversary meeting last April. The time, however, was not sufficient in which to attain the desired result, but it has been suggested that a sufficient effort now on the part of every member of the Society would enable us to raise the roll of membership to 2,000 before the presentation of the Secretary's annual report in December. *Will you not give your personal attention to this matter*, and see that the enclosed blank is properly filled out with the name and qualifications of some eligible chemist, not now upon our roll, whom you will nominate for membership, returning the blank to the Secretary at your earliest convenience? Additional blanks may be obtained from the Secretary at any time, or will be forwarded by him to any chemists whose names are furnished him for that purpose.

ALBERT C. HALE,

Secretary of the American Chemical Society.
July, 1901.

RAILWAY TIME TABLES BETWEEN THE EAST AND DENVER.

At the request of the permanent secretary of the American Association, Dr. L. O. Howard, we publish time tables of some of the railways between the East and Denver. We hope to give subsequently further details.

PENNSYLVANIA RAILROAD COMPANY.

Leave New York.	Leave Philadelphia.	Leave Baltimore.	Leave Washington.	Arrive Chicago.
7:55 a. m.	10:25 a. m.			7:45 a. m.
	8:40 "	8:50 a. m.	7:50 a. m.	7:45 "
1:55 p. m.	4:30 p. m.	4:35 p. m.	3:30 p. m.	2:50 p. m.
5:55 "	8:50 "	9:00 "	7:45 "	8:45 "

Leave Chicago.	Arrive Denver.
10:00 a. m.	11:30 p. m. C. & N. W.
11:30 p. m.	7:30 a. m. "
4:00 " (same station.)	6:30 p. m. Burlington.
11:00 p. m.	7:10 a. m. "

Via St. Louis.

Leave New York.	Leave Philadelphia.	Leave Baltimore.	Leave Washington.	Arrive St. Louis.
9:55 a. m.	12:20 p. m.	12 noon.	10:50 a. m.	12:56 p. m.
1:55 p. m.	4:30 p. m.	4:35 p. m.	3:30 p. m.	6:40 "
5:55 "	8:25 "	8:30 "	7:15 "	9:40 "

Leave St. Louis.	Arrive Denver.
2:05 p. m.	6:15 p. m. Burlington.
9:01 "	7:10 a. m. "
10:10 "	12:05 p. m. Mo. Pacific.
10:10 "	7:30 a. m. C. & A.

BALTIMORE AND OHIO RAILROAD COMPANY.

This route is either *via* Chicago or St. Louis, thence over any of the several connecting lines between those points and Denver.

For instance:

Leave	New York	1:30 p. m.	Monday.
"	Philadelphia	4:20 "	"
"	Baltimore	7:00 "	"
"	Washington	8:05 "	"
Arrive	Chicago	9:00 "	Tuesday.
Leave	Chicago	10:00 "	"

Via C. R. I. & Pacific Ry.

Arrive	Denver	7:45 a. m.	Thursday.
	or		
Leave	New York	4:30 a. m.	Monday.
"	Philadelphia	7:00 "	"
"	Baltimore	9:40 "	"
"	Washington	10:50 "	"
Arrive	Chicago	9:00 "	Tuesday.
Leave	Chicago	10:00 "	"

Via C. & N. W. Ry. and U. P. System.

Arrive Denver 1:45 p. m. Wednesday.
Similar connections can be made *via* St. Louis.

Passengers reaching Chicago from the East before 1 p. m., can use the 'Rocky Mountain Limited,' which leaves Chicago daily at that hour, reaching Denver the following afternoon at 4:45.

THE SOUTHERN RAILWAY.

Leave	New York	12:10 a. m.	4:25 p. m.
"	Philadelphia	7:20 "	6:55 "
"	Baltimore	9:34 "	9:16 "
"	Washington	11:15 "	10:45 "
"	Atlanta	6:00 "	4:15 "
"	Birmingham	12:45 p. m.	10:20 "
"	Memphis	8:25 "	10:25 a. m.
Arrive	Kansas City	9:45 a. m.	7:10 "
Leave	Kansas City	6:40 p. m.	10:40 "
Arrive	Denver	11:10 a. m.	6:00 "