THE SUN, MOON AND STARS.

Dr. Talmage's Able Lecture on Astronomy Last Night.

Brief Summary of the History of the Wonderful Science and Phenomena Connected Therewith.

The splendid lecture room of the Church University was filled to its utmost capacity last night with an intensely interested and discriminating audience to listen Dr. Talmage's able dissertation the "Sun, Moon and Stars." The lecture was made manifestly more instructive by the manipulation of a powerful stereopticon apparatus by which views of the objects desired to be illustrated were thrown upon the south end of the hall above the speaker's platform.

Astronomy, said the lecturer, was one of the oldest sciences. There was no known accurate account of its origin. But nearly all the nations of antiquity claimed the honor of its discovery. The ancients were not so well prepared to study the science as the people of modern times. They had neither the instruments nor artificial equipment. There was an outdoor existence. Anshepherds and shepherds they watched the motions of the heavenly orbs at night and to a certain extent learned the laws that controlled them.

In regard to a history of the science only a brief summary could be given. With the Chaldeans there was a partial knowledge dating back as far as the time of the building of the tower of Babel.

The Chinese, however, disputed the Chaldean claim of priority of discovery regarding the earliest records of astronomical calculations. They even went so far as to declare that two of their astronomers were put to death at a period antedating Chaldean knowledge of the science, for failing to note the approach of an important astronomical event in the form of an eclipse. But as in many other scientific matters the claim was questionable.

The Greeks were known to have made careful astronomical observations, and so accurate were they in their conclusions that the length of year was determined as being three hundred and sixty-five days and a quarter.

As to the value of the science to mankind its benefits were incalculable. It gave to the human race the only correct standard by which time could be measured. To the navigator the only means of determining the exact latitude and longitude of his vessel as it was tossed on the waves of the restless ocean. From astronomical measurement comes the almanac by which dates are maintained and important events kept in view. It was a science that entered into the soul and mind of man and was admirably calculated to teach man what he is and the relationship that exists between him and his Maker.

The lecturer then drew an imaginary picture in which he stated how impossible it was for man to comprehend the immensity of and number of systems that went to make up the universe. Like the little tube when it first opens its eyes and he sees to look around he was prone to believe that nothing existed but he world and sees. But as the infant grows he gathers knowledge and finds that the room in which he was born was only one of others in the same house, and that perhaps far from the best, that the house was only one of many upon the same street, that there were hundreds of streets in the city, that the city was only one of a multitude in a great country, that the country was only a fraction of a continent, that the continent was only a part of the earth, and finally that the earth itself was only one of the countless myriads of God's creation, that the system in which it was situate had other systems beyond whose height and depth and majestic infinitude were unimaginable.

As nature referred to the science made measurement an easy matter. Yet miles counted for nothing. A greater unit must be obtained. That was found in light which traveled at the astonishing rate of 186,000 miles per second or 11,000,000 miles per minute.

Much amusement was caused by reference to the time it would require to pass, by different methods of transit each little way-side station on Saturn, Neptune, Pelorius, and other brilliant bodies, in a journey to the sun.

By means of the stereopticon the stars were shown in bewildering beauty disposed through the depths of space with the lense vividly impressed on the audience by the speaker that farther out into space there were other lights and other degrees beyond the conception of finite mind.

The twelve signs of the Zodiac, the principle constellations, the distance of stars and their magnitude, the solar system and their relative distance so far as they have been disclosed by scientific investigation were spoken upon briefly, plainly and eloquently.

The planets of "wanderers" in their movements about the sun, the sun itself, with its corona, its heat, its enormous dimensions, "spots" of extraordinary magnitude, their peculiar appearance when highly magnified, the interesting phenomena supposed to be connected with their formation, the sun's size as compared with the earth and other planets, the transit of the earth across the sun and numerous similar astronomical events held the attention of the audience for a considerable time.

The moon as seen from the earth by the aid of the best telescope and the earth as it is supposed to appear from the moon were admirably illustrated. Then followed explanations in detail of the nature's phases and of eclipses, both lunar and solar, and the superstition formerly connected therewith and the mystery in the minds of savages even in this day and time therefrom. After this, reference was made to comets and a number of illustrations of the greatest nature shown.

Probably no part of the lecture was more closely followed than that in which the nebular or spiral theory was treated and during which the "dream nebula" and "spiral" forms of the accompanying materials were exhibited.

The lecture occupied just two hours in delivery.

Wilso.

ADJACENT CITIES

PROVO.

PROVO, UTAH, - JAN. 19, 1894.

A Fire.

A house vacated a couple of days since by Enoch the carpenter, located in the western part of the city, was set afire on Friday morning and totally destroyed by fire. The building was too far distant from the waterworks for the fire department to be of much service. The loss is perhaps $100, and the insurance is $600. In the absence of any better theory of the origin of the fire, incendiarism is suspected. There is a mystery about the whole affair which seems at present inscrutable. The house was built by Mr. H. H. Rose, who now lives in Provo, and took a mortgage on it for principal payment. Enoch, it is said, was about to pay off the mortgage and money only lent out until he had had trouble with Rose. It is stated by a relative that Rose became that his wooldpie was disappearing rather rapidly and accordingly put powder in a few shells, the next night an explosion occurred in Enoch's store, where one fired the stove and scattered a hole in the ceiling of the house.

Notes.

The G. A. R. encampment for the coming year were not right included at the Memorial session. Here, the 12th of Salt Lake was in attendance.

The Engineer carpet was in Thursday night at the back part of the office. Manager Graham says he has knowledge of the identity of the thief.

The new 60 horse power boiler for the Provo Woolen mills has arrived and is being placed in position.

The tax collector is still engaged in selling property for the payment of delinquent taxes.

A marriage license has been issued to Reuben M. Kennedy and Delina Van Leuven, both of Mapleton.

PARK CITY.

PARK CITY, - JAN. 19, 1894.

FORTY STAMPS A-GOING.

Cold Weather, But the Furnace Keeps the Heart Warm.

With the advance of winter the cold and snow increases. For the past week zero and below has been the ruling state of the thermometer.

The Morse mill is now running full force again, and the noise of the lofty stamps is pleasing to the ears of the Park people. The mill is now in shape for another long run, and it is hoped that the metals will keep so rich as to put them in will not be necessary to run down very much. Amalgamation pans have been started to work again at this mill for a test run, to make a comparison with the leaching process.

At the Ontario mill work is going on as usual, but a larger amount of bullion is expected to be turned out this month than was turned out in December, the largest month's run since the mill was started. Material for the leaching plant is still arriving, and it is expected to be in operation early this spring.

The Crescent company has started shipment of ore again to Leadville, and a large amount is being brought down daily from the mine—all first class. It is estimated that there have been 1000 tons of first class ore on the platform at the mill ready for shipment. The Utah Central has been kept busy all week furnishing plenty of cars for them.

A Narrow Escape.

What might have been a fatal accident occurred at the Ontario mill last Wednesday, to Mr. H. M. Sperry, one of the employees. It appears that Mr. Sperry was in the act of changing a belt, when his clothing was caught in some manner, drawing his arm to close proximity to the revolving wheels. As it is, his arm was fearfully wrenched and considerably bruised, likewise his hands. He is getting along as well as can be expected, and is thankful that nothing more serious happened to him.

A SUICIDE.

Young Thornberg, a Resident of Salt Lake, Fatally Shoots Himself.

Thursday morning the town was startled by the news of a suicide up town, and upon investigation it was soon learned that W. F. Thornberg, a dancing teacher here, had committed suicide by shooting himself through the head. The act occurred at about 2:30 o'clock in the morning. He had come to his room at about 2 o'clock under the influence of liquor, and his friends state, Mr. Jennings, located upon his retiring immediately. He did so, but in a few minutes got up, for the purpose, he says of lighting a cigarette. Mr. Jennings turned his face to the wall to go to sleep, but was startled by the report of a pistol shot, and springing up he discovered that Thornberg had shot himself. The alarm was given and another alarmed was immediately secured, and everything possible was done to save the life, but he passed away at four o'clock Friday afternoon, never regaining consciousness.

His parents arrived here on the morning train from Salt Lake and were with him at the time of his death. The remains will be taken to Salt Lake only over the Utah Central and will be buried Monday from the parents, residence, on the corner of Fifth south and Fourth East street. A large delegation will accompany the funeral from here, going down on a special train Monday morning.

Notes.

The new city marshal has commenced to enforce the ordinance against the habit of having horses tied to the posts on the streets, and the result has been that no runaways have occurred during the week.

Tim Cone, the man shot by Joyce last week, is on the road to recovery, and is expected to get about in a few weeks. The friends of Joyce are largely attended by his acquaintance.

Several commercial men from the East have been in for a few days this week, and from all reports they have had not very little success, as it appears as if a great misunderstanding of merchants up west, that they will not patronize the East any more it as they have in.

Wilso.

PAYSON.

PAYSON, UTAH, - JAN. 19, 1894.

Conference in Sectarian Ministers.

The Sunday services have been arrangements with Rev. A. W. Ryan of the Methodist church, and Rev. A. C. Tout, the Free-gentile pastor, to deliver lectures here on that day in the near future. Rev. Ryan will speak on "Justification by Faith Alone," and Rev. Tout on "Predestination." It is understood that the result is to be in the nature of a debate, but should it occur the views of the representatives of these important subjects. The size of the audience has not yet been ascertained.

Farewell to a Missionary.

Invitations are out for a farewell social party to be given in honor of Elder George Finlayson at the Opera house on Tuesday evening, January 23rd, under the auspices of the Young ladies. The committee on arrangements is John Dunn, Charles Black and David Stark. Elder Finlayson leaves next month to fulfill a call in the missionary field.

Educational.

Today closes another school term and the people of the district school will celebrate it by a new party at the opera house tonight. Programs of exercises, singing, etc., are now being rendered in the various departments this afternoon.

Albert Dooser, the principal of the public schools, and wife, were re-elected as members of the First ward on Sunday last. They formerly belonged to the Perowee ward.

An interesting original session of the Y. L. and Y. M. M. I. A. of the First ward was held on Wednesday evening, the program consisting of speeches, musical, instrumental and singing. A large audience enjoyed the exercises of the evening.

Ready With His Gun.

A youngster residing in the southeastern portion of town is getting an unenviable reputation for using his gun in practice on dogs and other domestic animals whenever he has the chance. A very valuable dog was the victim of his sport a few days since, and if it does not prevent, the young man may find himself in the midst of trouble.

Off For Mexico.

Mr. George Fairbs will leave Payson next week on the Mormon colonies in Old Mexico. His route lay by way of El Paso, Texas, and will visit Dublan, where he has property, and also Colonia Juarez, both in the state of Chihuahua. As his visit is only on business matters, he may will not be a prolonged one.

A Runaway.

A couple of young bloods, who had their best girls out sleigh riding last night, enjoyed the experience of a runaway. No one was hurt, but from the appearance of certain features and actions within the sex were galloping in the morning the sleigh and horses must have collided. The horses, too, has not put in an appearance up to date.

Notes.

Charley Olsen, who has been absent some two years in the Scandinavian mission, is expected home in a few days. He will receive a hearty welcome from his many friends.

County superintendent of schools, D. H. Christensen, has been visiting the schools in this city during the week.

The Seventies' quorum dance on Wednesday evening was likely well attended and was a most enjoyable party.

B. F. Rogers and wife, an aged couple who have been ill for some time past, are recovering slowly.

Old Indy Dollinger, whose illness was reported in a recent issue of the News, is rapidly growing worse and no hopes are entertained for her recovery. The lady has nearly reached the hundredth year of her age.

Mr. John Dollinger and his little daughter Lizzie, still remain in a very critical condition.

An infant child of Mr. and Mrs. J. B. Fairbanks was buried on Monday.

A Mr. Stoffers is to town in the interests of the Utah Monthly Magazine of Salt Lake City.

The First ward Elders' quorum met in regular session tonight. The subject to be considered is the "Church and Serial of Christ."

At a shoot hunt near York, Juab county, on Tuesday last, between Payson and Nephi parties, the former won with a score of 223 to 84.

Observer.

Burlington Route

BEST LINE DENVER TO KANSAS CITY AND ST. LOUIS

W. F. McMILLAN, General Agent, Room 506 Dooly Block, Salt Lake City, Utah.

Wilford Woodruff, President. Geo. S. Cannon, Cashier.

CASH CAPITAL, $50,000
CASH SURPLUS, $50,000

Zion's Savings Bank & Trust Co.

Corner Main and First South Streets, SALT LAKE CITY, UTAH.

ORGANIZED UNDER THE LAWS OF UTAH.

DIRECTORS: Wilford Woodruff, George Q. Cannon, Joseph F. Smith, John Henry Smith, George Reynolds, Jonathan Jones, Zebedee Coltrin, Lorenzo Snow, Franklin S. Richards, Henry W. Lawrence, Moses Thatcher, Abraham H. Cannon, Anthon H. Lund, Heber J. Grant, Jos. F. Smith, Jr., Thomas G. Webber.

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Special attention given to business of Banking in all its branches.

Drafts on London, Scotland, Ireland, Paris, Berlin, Hamburg, Amsterdam, Zurich and all points in Europe.

Sell Exchange on New York, San Francisco, Chicago, St. Louis, Omaha, London and all principal Commercial Cities.

Safety Deposit Vaults, absolutely burglar and fireproof. Rents $5 to $50 per year.

UTAH COMMERCIAL AND Savings Bank.

SALT LAKE CITY.

Capital, - $200,000.
Surplus, - $40,000.

General Banking Business.

Foreign exchange sold on Europe, Japan and Australia. Interest allowed on time deposits.

Special Saving Savings for sale at the Bank at $1.00 up.

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INTEREST PAID ON TIME DEPOSITS.

John Dugan, President. Jos. F. Smith, 1st Vice President. Jos. R. Walker, 2nd Vice President. W. F. McMillan, Cashier. H. Dinwoodey, Asst. Cashier.

Deseret National BANK

SALT LAKE CITY, UTAH.

Paid-up Capital, - $500,000.00
Surplus, - - - $500,000.00

Directors.

H. S. Ellis, President. Moses Thatcher, Vice-President. W. W. Riter, J. R. Barney, J. T. Little, J. C. Cutler, James Sharp, Henry Dinwoodey, D. R. Peery, F. W. Jennings, George Romney, J. R. Winder, E. R. Eldridge, H. S. Young, Cashier.

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Buys and sells exchange on New York, San Francisco, Chicago, St. Louis, Omaha, London and all principal Commercial Cities.

Safety Deposit Vaults, absolutely burglar and fireproof. Rents $5 to $50 per year.

NATIONAL BANK OF THE REPUBLIC

Frank Knox, President. Jos. C. Kenrick, Vice-President. J. A. Earls, Cashier.

CAPITAL PAID IN $600,000.

Interest Paid on Time Deposits.

DIRECTORS: A. Saxe, Wm. Fox, Geo. S. Cannon, Jr., Chas. S. Burton, H. B. Clawson, W. H. Rowe, O. A. Harper, Frank Knox, L. S. Cannon, J. A. Earls.

B. H. Schettler,

Who Does a GENERAL BANKING BUSINESS at No. 60 Main Street, Opposite the Co-op, and PAYS INTEREST ON DEPOSITS.

Drafts Free Anywhere.

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Buys and sells Exchange, makes Telegraphic Transfers by the principal cities of the United States and Europe, and accounts on the Pacific Coast, issues letters of credit available in the principal cities of the World. Special attention given to the making of loans and business generally. Special attention also to collections throughout Utah, Nevada, and adjoining territories. Accounts solicited.

J. G. DOCK, Cashier.

UNION PACIFIC SYSTEM.

THE THROUGH CAR LINE.

Effective Dec. 7, 1893.

[illegible]

City Ticket Office, 201 Main Street.

D. S. SPURLEY, Gen. Ag. Pass. Dept.
R. HOLMES, General Ticket Agent.
J. G. TOMAN, G. P. & T. Agent.
E. L. LOMAX, G. F. & T. Agent.
S. H. H. CLARK, General Manager.
A. L. MOHLER, Gen. Traffic Manager.
FREDERIC K. CONDERT, Gen. Pass. Agent.
JOHN M. MINER, Treasurer.

RIO GRANDE WESTERN. STANDARD GAUGE.

CURRENT TIME TABLE. In Effect Nov. 13, 1893.

Leave Salt Lake.

[illegible]

Arrive Salt Lake.

[illegible]

THE DENVER & RIO GRANDE RAILROAD

SCENIC LINE OF THE WORLD

The only line running two Through Fast Trains daily to LEADVILLE, ASPEN, PUEBLO, COLORADO SPRINGS AND DENVER.

EFFECTIVE NOV. 19, 1893.

Train No. 2 leaves Ogden 7:00 a.m., Salt Lake 8:05 a.m., arrive at Pueblo 5:50 a.m., Colorado Springs 7:20 a.m., Denver 10:30 a.m.

Train No. 4 leaves Ogden 8:35 a.m., Salt Lake 9:35 p.m., arrive at Pueblo 7:30 p.m., Colorado Springs 8:40 p.m., Denver 11:00 p.m.

Connections made at Pueblo, Colorado Springs and Denver with all lines and Elegant day coaches, dining cars and Pullman sleepers on all trains. Take the D. & R. G. and avoid the Kansas City and enjoy the finest scenery on the continent.

A. S. HUGHES, Traffic Manager. S. K. HOOPER, G. P. & T. A. Denver, Colo.

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"Santa Fe Route."

Rio Grande Western, Colorado Midland, Atchison, Topeka and Santa Fe Railways.

The only line running Pullman Sleeping Cars between Ogden, Salt Lake City and Chicago without change.

And Pullman Palace Reclining Chair Cars between Ogden, Salt Lake City, Denver and Chicago.

THE SHORT LINE. SUPERIOR SCENERY. EQUIPMENT UNSURPASSED.

Are You Going East?

If so, be sure and secure your tickets reading over the "Santa Fe Route," Greatest and greatest railroad on earth.

Leave Ogden or Salt Lake City in the evening train in order to see the most beautiful scenery in America.

Train leaves Rio Grande Western Depot, Salt Lake City, at 7:00 p.m.

Ticket Office, 75 W. 2nd South St.

H. G. MCMILLAN, General Agent Passenger Department, 303 Dooly Building, Salt Lake City, Utah.

East Waterloo

THE CHOICE RESIDENCE PART OF

Salt Lake City.

Sixty new houses built on this beautiful property, and "THORNDYKE" adjoining, during the past ten months. No other part of the city improving so rapidly. Five foot cement walks to car line. Excellent car service; 5c fare. Beautiful shade trees. The purest water in the land. Everything that is desirable for a home. Eight lots at the remarkably low price of $275 per lot, one-half cash, if sold before Dec. 1st, after that time at the regular price of $325 each, on monthly payments. Also houses on the installment plan, $1,400 to $5,000.

W. E. Hubbard,

109 W. 2nd South Street.

Embroml soon will be Lilinokalani (lee-lee-o-o-kah-lah-nee) Mahalo! (lover of the Heavens.)

For a half century past have Solomon Bros. occupied their throne. They can still supply you with the very best Winter Footwear.

USEFUL HOLIDAY PRESENTS Comfortable

For Ladies—Slippers in Felt, Velvet and Fur, Shoes of Cloth and Felt.
For Gentlemen—Felt and Embroidered Slippers, Boots and cork-soled Shoes.
For Children—Lamb's wool-lined Rubber Boots, Felt Slippers and red top Boots.
For Infants—Fine Kid and Cloth Moccasins—the "Bonnie," "Blinker," and "Moccasin."

See Our Display. Note Our Prices.

SOLOMON BROTHERS, No. 70 Main St.

Tender and Juicy Meat, Good Bread and Pastry

CAN ONLY BE OBTAINED BE USING

CHARTER OAK RANGES OR CHARTER OAK STOVES

Superior in Construction and Finish!
Absolutely Perfect in Operation!
Economical in the Use of Fuel!
Durable and Handsome!

Z.C.M.I. sell them.

WHITE & SONS COMPANY,

General Market

No. 22 and 24 W. 1st South, Salt Lake City.

White & Sons Co. take this opportunity to thank their friends and the public generally for their kind patronage during the past eight or years, and to inform them that they have recently moved into their new and commodious quarters, a few doors east of their old stand. They are now prepared to serve the public with all kinds of

MEATS, POULTRY, FISH, GAME, FRUITS, VEGETABLES AND GROCERIES

Experienced and competent men have charge of all departments, and the advantages derived from trading with us are that you buy from our business house and get all your goods delivered with our delivery. 'Tis a fact that there is nothing needed for the table but what can be furnished from our market. Our aim will be to please our customers. Prompt delivery guaranteed. Our prices are as cheap as the cheapest.

Respectfully, White & Sons Co., Jno. H. White, Mgr.

"WHERE DIRT GATHERS, WASTE RULES."
GREAT SAVING RESULTS FROM THE USE OF

SAPOLIO