DESERET EVENING NEWS.

Saturday, - - January 8, 1898

RELIGIOUS SERVICES.

Regular services of the Church of Jesus Christ of Latter-day Saints will be held tomorrow at 2 o'clock in the Tabernacle; Sunday schools in the various wards will be held at 10 o'clock in the city ward assembly rooms and adjacent wards as follows:

Ward.	Place.	Ward.	Place.
First	Eighth	Twenty-first	[illegible]
Second	[illegible]	Twenty-second	[illegible]
Third	[illegible]	Twenty-third	[illegible]
Fourth	[illegible]	Twenty-fourth	[illegible]
Fifth	[illegible]	Twenty-fifth	[illegible]
Sixth	[illegible]	Twenty-sixth	[illegible]
Seventh	[illegible]	Twenty-seventh	[illegible]
Eighth	[illegible]	Twenty-eighth	[illegible]
Ninth	[illegible]	Twenty-ninth	[illegible]
Tenth	[illegible]	Thirtieth	[illegible]
Eleventh	[illegible]	Thirty-first	[illegible]
Twelfth	[illegible]	Thirty-second	[illegible]
Thirteenth	[illegible]	Thirty-third	[illegible]
Fourteenth	[illegible]	Thirty-fourth	[illegible]
Fifteenth	[illegible]	Thirty-fifth	[illegible]
Fifteenth Branch	[illegible]	Thirty-sixth	[illegible]

Stockholders Meeting at Assembly Hall, 10 a. m.

Bureau Meeting in the Salt Lake Stake Assembly Hall at 2 o'clock sharp.

Home missionaries will visit the county wards of the Stake tomorrow.

The News is requested to publish the following:

The Eighth quorum of Elders will meet in the Thirteenth ward on Monday evening at 7:30 o'clock.

The presidency of the Fourth quorum of Seventy specially request all the members of this quorum to be present at their regular monthly meeting on Monday evening next, at the Twenty-first ward meeting house, at 7:30 o'clock.

The meeting of the Fourth quorum of Elders, which should have been held next Monday evening, will be adjourned for one week on account of the entertainment to be given in the Sixth ward meeting house on that night. The Fourth quorum will therefore meet in the Sixth ward hall on Monday evening, Jan. 17, at 7:30 o'clock.

ARID LANDS OF THE WEST.

Special Hearing on Representative Shafroth's Bill Set for Friday Next.

A Washington dispatch, under date of today, says that Representative Shafroth has received an order giving a special hearing upon his bill to cede the arid lands of the west to the states in which they are situated, next Friday being the time designed for the hearing. Mr. Shafroth thinks there is a fair chance of getting the approval of the bill by the committee.

GAMBLING HOUSE HOLD-UP.

Man Charged With that Offense in Utah Arrested at Liberty, Mo.

A dispatch from Liberty, Mo., under date of last evening, says:

Walter Foley, aged 22 years, a third cousin of W. A. Foley, recently sentenced to hang for murdering his mother and sister, was arrested at his mother's home near here today, charged with holding up a gambling hall at Ogden, Utah, December 18, when $200 in silver was carried off. Foley reached for his revolver when arrested, but was prevented from shooting.

Gov. Wells has issued requisition papers for Foley's return to Utah and Sheriff Bishop of Weber left last night to bring his man back to answer for the offense with which he is charged.

Save money and draw interest from the Utah Title Insurance and Trust company.

UTAH COAL.

Castle Gate lump, $4.50; Castle Gate nut and Winter Quarters lump and nut, $4.25 and anthracite, all sizes, $9.50. Having opened a yard on State street and Eighth South we will now deliver coal to any part of the city at the above prices. F. Y. Coal Co., D. J. Sharp, Agent. Office, 75 South Main street. Telephone 429.

ELLERBECK COAL CO.

Office 201 Dooly Block. Phone, No. 29. T. R. ELLERBECK, D. F. REDMAN.

Key to Health.

See directions on Gray's Laxative Pellets.

Ladies' Maslin Underwear Sale at Z. C. M. I.

Monday, Tuesday, Wednesday and Thursday, January 10, 11, 12, the best bargains ever offered in Utah are to be obtained in Z. C. M. I.'s great Sale of Ladies' Misses', Children's and Infants' Maslin Underwear. New goods of splendid quality at the lowest prices ever asked here. Sale for four days only.

Salt Lake Valley Loan and Trust Co.

215 South Main Street.

Salt Lake office of First National Bank of Park City. Will make loans at reasonable rates, long or short time, on real estate, stocks, bonds, mortgages, or approved personal security. O. J. SALISBURY, President. SAM J. KENYON, Treasurer.

The direct line to Kansas City, St. Louis and Atlantic seaboard, is via the Missouri Pacific railway from Pueblo. Through sleeping and chair cars, and all connections made in Union depots in the daytime. If you are going East and care for a daylight ride through the grandest scenery of the Rocky Mountains cancel, see that your ticket reads via Missouri Pacific Railway. Elegant chair cars positively free to the holders of regular train tickets.

H. B. KOCHER, C. T. & P. A., Salt Lake City.

STOCKS AND INVESTMENTS.

Buy and sell
J. C. M. Hanks,
Deseret National Bank block.

Hay, Wagon & Machine Co. stock.
Utah Sugar stock.

Good Investment stocks bought and sold.
$1,000 to loan on blocks
JOHN G. CUTLER JR. 30 Main Street.

KEEP MONEY AT HOME BY INSURING WITH THE

HOME FIRE OF UTAH

HEBER J. GRANT & CO., General Agents.

Have You Seen

the new Tower Pure Beef? It is given free with each box of Powder. Ask for it.

BONNEVILLE BASIN.

The Interesting Story of the Great Salt Lake, as Told by Dr. Talmage.

The regular lecture in the University public course was delivered last night according to announcement. The lecture was Dr. J. E. Talmage and the subject was Lake Bonneville, a subject of more than passing interest in this locality, pertaining as it does to both ancient and local importance. The address was commenced promptly at the hour appointed. It consisted of an interesting description of the rise and fall of the lake volume and of the great climatic changes producing such marvelous results. The discussion was used with good effect, and a number of very interesting pictures were thrown upon one of those wonderfully useful illustrations published by the United States geological survey, and others original photographs taken by the speaker. In addition to the lecture, the interesting sequence of lake products were displayed. Among the pictures were several representations of the shore lines of the Salt Gratiaplenses, and of the glacial deposits in the canyons of this range, and photographs of the prehistoric inhabitants of the lake.

The speaker declared credit for much originality in the data presented and compiled the earnest workers to whom he was indebted for knowledge of Lake Bonneville. Among those he mentioned Beckwith, Stansbury, Blake, Gilbert, Dutton, Dellenbaugh, and more particularly Grove Karl Gilbert, whose excellent monograph on the subject is the standard work of reference. Lake Bonneville was named in honor of Capt. Bonneville, whose early explorations in this region have been recorded by Irving. The body of water once filled the southern part of the Great Basin while in the western part was the smaller lesser water body known as Lake Lahontan. The Great Basin, in fact, as the name would indicate, a single depression, but in reality a series of depressions constituting a single drainage area. It is the largest closed drainage area in North America, embracing as it does the western half of Utah, including all that portion which drains westward from the Wasatch range and the plateau parts of southern Idaho, almost the whole of Nevada, the eastern portion of California, southeastern Oregon, and southwestern Wyoming.

In size the Great Basin is approximately 220,000 square miles. Lake Bonneville at the time of its greatest extent could be properly called an inland sea. It was fed from the snows of the Wasatch and Uinta mountains. It measured about 350 miles north and south and about 180 miles east and west, and covered about 19,750 square miles; this made it nearly the equal of Lake Huron in area. Of this great sea, Salt Lake is the largest remnant, and Utah and Sevier lakes are smaller fragmental remains. An ancient lake covered the central part of Utah, extending into Idaho and Nevada, and almost touched the Arizona line, and composed of the principal divisions: (1) the main body, (2) Utah bay, (3) Sevier bay, (4) Escalante bay, and (5) Cache bay. These were defined by islands and archipelagos existing today as ranges of elevations. Escalante bay is bounded by mesas that have been always a separate water body. When the lake found an outlet it remained for a considerable time at one level and so recorded in shore history. Under other conditions when the water surface had lost by evaporation were balanced, the lake remained at fixed levels and so carved for itself a record on its shores. These shore lines are well marked along the entire margin. The principal levels in descending order are, (1) the Bonneville shore line, the highest and most conspicuous, about 1,000 feet above the present level of the present lake; (2) the Provo shore, about 400 feet below the Bonneville, and consequently about 600 feet above the present water level; (3) Stansbury shore line, well marked on Stansbury island and occurring about 300 feet above present lake surface. The chronological order is (1) Intermediate, (2) Bonneville, (3) Provo, (4) Stansbury.

When the lake had stood for some time at its highest level, it found for itself an outlet; this occurs at Red Rock pass at the north end of Cache bay, and a deep channel was cut in the rim of the lake basin at this point through which a mighty river flowed, probably from the level of the lake to that of the Provo shore line. To this river the name Bonneville river has been applied. It was larger than Niagara. It traversed Snake River valley, receiving tribute from the Columbia. From the Provo level to the present water level the lake has shrunk by evaporation, in the course of which many changes in the basin divisions became indicated. During the lake epoch, and particularly at the Provo stage, many deltas were formed. Among the most conspicuous of these are the Logan delta, the Weber delta, City Creek delta, Rock Canyon delta, near Provo, and those near American Fork, Spanish Fork, and other canyons. In many places the shores are deformed by faulting. As a resident example of this fault scarp is seen just north of the city. This fault is traced from a point north of Willard City to Nephi, and it represents one of the great faults of the western mountain ranges active in the lake area. In Millard county there are many well preserved shore lines, some of them recent, probably the lake was poured out on the lake bottom. The lake is now diminishing in size, desiccation, however, is about dried away and Utah lake would show the effect of shrinkage if it had an outlet. Water collected from three drainage areas has yielded to the lake's surface 22.21 per cent solid matter, from the river runs and springs 5.9 per cent, and from the ocean 4.7 per cent, according to Allen. 34.39 per cent solid matter. Analysis by Talmage of the residuum shows that in per cent solids, in August, 1889, 19.50 per cent, and in September, 1892, over 27 per cent. The greater part of the solids contained is salt.

It is now the boundless desiccation, of course, but few species. Among the plants there is a variety of Algae, and among the animals the brine shrimp, brine fly, and a species of gnat, larvae of a species of brine worm.

It is now the maximum water level corresponded to time with the Provo shore, the intermediate glaciation in parts further south.

Prof. Talmage ordered the fact that the Utah geological survey under State auspices is the investigation of Utah resources, the special work thus undertaken is the study of the Great Salt Lake, the Utah coal fields, the iron ores and the mineral and other products of the state.

The lecture will be the speaker next Friday night. His subject will be, Air We Breathe.

Portsmouth (N. H.) high school girls are practicing an amusement which is liable to attract attention on the streets as "rendezvous sport," with placards hung over their necks.

Ladies Maslin Underwear Sale at Z. C. M. I.

Best line of goods at Lower Prices than Eastern Houses can buy. Sale of Maslin Underwear continues ten four days, beginning Monday, Jan. 10.

Water Notice.

The water rates for the current year are due and payable.

Delinquents will save trouble and expense by paying at once.

RICHARD W. MORRIS, City Treasurer.

CLASSIFIED WANT COLUMNS.

Ads. received after 2:30 P. M. will be found on page 2.

FOR SALE—REAL ESTATE.

REAL ESTATE, MINES AND STOCKS. W. Dickson, Dooly Block, City. 16 W. Second South street. Telephone 465.

60 AND 80 THIRD ST., TWO EIGHT room modern houses, small cash payment. Balance rent. Inquire at 54 East Second West until 10a m. Make offer. W. J. Halloran, 18 West Third South street.

300 FARMS FOR SALE AND TRADE. Send 2c stamp for list and terms to Joseph Pomeroy, Ft. Washington, Md.

ARTISTIC HOMES—PARTIES DESIRING to be the possessors of their own homes, either by paying cash or installments, will do well to call at office of the undersigned if not either in Dallastown or on the Fair Grounds, opposite Liberty park, and I will make it to their interest to buy of me. Terms more favorable than I have in any case yet offered. Call and pay for it as you can. John F. Hill, assignee, 4 So. The Temple.

MONEY TO LOAN.

ON OLD LINE LIFE INSURANCE POLICIES at 5 per cent per annum. H. B. Tibbs, 50 Church street, room 56, New York City.

I LOAN ONLY MY OWN MONEY, for advertising your wants: let eastern company: no third party; no commissions; no bonus; no blank; no stamps; no mortgage tax; special options granted. EDWARD L. TRACY, 35 Commercial block.

AT 4 PER CENT INTEREST ON IMPROVED city property. E. A. Smith.

SCURRIER & CO., 38 WEST SECOND South, have money to loan at low rates. Privilege of payment at any time.

ON PROPERTY, NOTES, INSURANCE policies, life interests, mortgages, warrants, scrip, etc., bought. Elmer Darling, 9 West Second South street.

WANTED.

TURKEYS TO ALASKA, TURKS, TRADING and Transportation Company, Edmund Burke, Agent, Hotel Clarion.

DRESSMAKER, FIRST CLASS, WITH large experience, knows only the very popular fitting and arranging work for fashions at their own prices. Charges moderate. Address H. this office.

AN OLD ABORE HOUSE, FOR PARTICIPANTS apply to 62 East Third South.

BY A MIDDLE AGED TEMPERATE man, work of any kind for the winter. Will work for small wages. Address C. this paper.

TO BUY A FEW SHADES OF Z. C. M. I. stock. Address No. 24, Deseret News office, stating number of shares and price.

UTAH CLEANING & TAILORING CO., cleaning, dyeing and repairing. Suits made to order. 18 E. 1st So. A. G. Hall, Agt.

TO RENT, COTTAGE OF FIVE OR SIX rooms within seven blocks corner east of Templeton. See H. Stoddard at 3 Main st.

TEN OXEN FOR SADDLE AND PACK use, 4 years old, broke to ride, "Wonderful Hypnotic Bull; amusing, astonishing, instructive; send 4c stamp. Postal Specialty Co., P. O. box 1[illegible], Salt Lake City.

A SUDDEN REDUCTION IN PRICES ON all the best brands of creamery butter. The best Utah creamery, 25c pound; Idaho creamery fine, two pounds for 25c. All goods delivered free of charge. Deseret Tub Butter House, 69 West First South. Tel. 521.

A THOUSAND SUFFERERS FROM EPILEPSY this to call on or address J. J. Hamilton, 2 Market street and get cured. A new discovery. A positive cure guaranteed.

CHEAPEST, BEST PLACE TO BUY, SELL and exchange second-hand goods, 226 State.

WANTED—MALE HELP.

AGENTS: OUR ELECTRIC FINE CURLS, crimps, waves hair in ten minutes without heating. Sample box 25c. Bryant Co., New York.

BRIGHT MAN AS CIRCULATION AGENT for leading magazine. Good pay. State experience and references. Magazine, 4 East 20th street, New York.

AGENTS SELL MUSIC. BIG PAY. SEND 2c stamp for $1 worth of goods. Music, 2 East 20th street, New York.

WANTED AGENTS TO SELL DRUNKARDS. Wives anxious for cure for husbands. Drink habit. C. A. Parsons, 104 commercial street, Boston, Mass.

ALASKA—WANT 50 MEN TO JOIN THE expedition. For particulars address International Exploration Co., 1508 Broadway, Oakland, Cal.

IN EVERY LODGE AND COMMUNITY good agent, canvasser and correspondent. Big pay, steady work. Address, Cooperative Publishing Co., Chicago.

WANTED—MEN FOR GOVERNMENT POSITIONS as railway mail clerks, carriers, guards, inspectors, employees, Washington, Indianapolis, etc. Salaries $900 to $1,800. Examination shortly; examinations every month in all states. Write for PARTICULARS OF INFORMATION, Dept. 72, Cincinnati, O.

HELP WANTED—FEMALE.

GIRL FOR GENERAL HOUSEWORK. No washing. 464 third street.

HELP WANTED.

DO YOU WANT WORK? DO YOU WANT light? Go to Herbst Bath & Bentley, the employment people, 85 East Second South St. Telephone 46.

ACTIVE MEMBERS OF FRATERNAL societies can make from $5 to $10 a day, one day or evening, to any business. Write Supreme Council Royal Arcanum, Boston, Mass.

HOW TO MAKE WEEKLY FAMILY MAIDS wanting for one of our homes, no experience or capital required. Furnish references and mention paper. Write today and we send plans. Mutual Home Association, Washington, D. C.

WANTED, AN OLD ESTABLISHED PUBLISHING house in Chicago a person capable of taking charge of branch in Salt Lake City. Must be honest and have good business ability. Address W. S. Hinrichs, 225-226 Dearborn street, Chicago.

WANTED MEN AND WOMEN TO WORK at home. Typewriting, $18 per week for copying manuscript, or a patent medical, surgical or chemical work; or write, can do the work. Send for particulars and work at once. Address, R. A. Wright, German artist, Typewriter, Pa.

THE BEELEY INSTITUTE.

FOR THE TREATMENT OF LIQUOR, Drug and Tobacco Habits. No. 15 Dragon street, First South. Correspondence strictly confidential.

STEAM HEATING.

THE DAVID JAMES CO., STEAM FITTING and plumbing to all their branches. No. 74 Main street.

P. J. MORAN—STEAM AND HOT WATER heating and ventilating apparatus. No. 6 West Second South.

FOR SALE.

NEW, MODERN RESIDENCE, COLONIAL style, and unusual beauty; 8 rooms and modern in every least; we guarantee for easy fire entire house to 10 degrees, the coldest weather, with one ton of coal per month; fine plumbing, nickel and gold chandelier, lights, mantles and grates, cellar and attic, chandeliers, paved walks, walking distance from Main street; two car lines; rear entrance for trams; corner 2 and Second street; also house 22 J; the cheapest bargain in city. Enquire of owner, 57 West First South.

OWE WILL SEND TO ANY ADDRESS sample copies of our Coin and Stamp Value Series, illustrated catalogue of books and specialties for ten cents postage. Address, Lacey, 152 Dost street, Natrona, Pa.

LINCOLN AND HAMPSHIRE SHEEP, short horn cattle. Address J. W. Guess, Sunnyside, Wash.

A GOOD SHOWCASE AND COUNTER, fine carpets and household goods. Write wanting machine, almost new, very cheap, at 17 West Second South.

FURNITURE FOR SALE. NO REASONable offer refused at 1[illegible] South West Temple street, and must be sold at once.

GOOD SADDLE OR DELIVERY HORSE, good traveler; also cart in good condition, and Harrington & Richardson revolver with cartridges, lock and scabbard. 218 West Fifth South.

PATENT SELF-ADJUSTING PACKAGE support for clothes, trousers, hammocks, (illustrated), sent 10 cents for sample. Manhattan Specialty Co., 98 Fulton street, New York.

FOR RENT.

32 HOUSES, Locations, Prices, | SEE TUTTLE BROS., 140 Main street.

FOR A TERM OF YEARS, THE TOOELE county farm, well located, 4 miles crossing, Apply to Rice Crawford, 20 East Second South.

COLUMBIA HOUSE, NEWLY FURnished. Outside rooms $1.50 per week. No. 244 West South Temple.

FOUR ROOMS, PANTRY, CLOSETS, ETC., city water, $10 per month. Winter, 43 West Second south.

FURNISHED ROOMS.

THE ARGYLE, 336 STATE ST. ELEGANT rooms, front and side, single or en suite, newly furnished. All modern improvements, tubed heater, if desired.

FURNISHED HOUSE OF SIX ROOMS, close in East Third South street.

TWO ROOMS FOR LIGHT HOUSEKEEPING. 162 east Third South.

WANTED—POSITIONS.

BY JANUARY 1, POSITION BY ACcountant, familiar with mercantile, manufacturing, mining, railroad, bank and other business. Twenty years in the West. Good references. L. T., care of News.

A RELIABLE, ENERGETIC AND ABLE-bodied man, willing to make himself useful in any capacity to deserving and acceptable employer, would be useful in a grocery store, or as a collector, errand man, janitor or porter. Address No. 1, care "News" office.

WANTED—AGENTS.

GLUTINE KEEPS MEN HOME NIGHTS. Agents everywhere to sell everybody Walley's Glutine; always ready; fast seller; novelty rather than glue for every purpose; strong, stained, flexible, durable; sample, the prepaid and terms, Walley, 8 spruce street, New York.

AGENTS—HERE'S A SNAP; $5 DAILY guaranteed; many make more; sales made by sample showing; circulars, sample and directions free; Bert Wright, 8 Barclay, New York; lotions, cologne, jewelry and out of break lines; agents wanted everywhere; sample 25c; Lyon Mfg. Co., 56 Lyon Block, Detroit, Mich.

AGENTS WANTED TO SELL THE BEST inclosed and gas lamps ever produced. Intelligent agents can make from $5 to $10 per day. Apply to Illinois Gas Light Co., 34 Bond street, New York.

AGENTS—BIG PROFITS MADE ON OUR gold watches; also special prices to agents; send for price list or call at Bacon's watch store, 160 Bowery, corner Spring, New York.

TO SELL THE ELECTRIC REFLECTOR; increases light of common lamp four times; sample, 50c; agents, prepaid. Dexter Lyman, Westboro, Mass.

MALE OR FEMALE, FOR A NEW PAYing business; send 2c stamp today for samples and particulars free. Address Chas. E. Marshall, Geneva, N. Y.

TO HANDLE THE BOOK OF MONEY making secrets; four hundred formulas for manufacturing staple articles; 100 per cent profit. Dr. Arnold Novelty Co., 31 Dearborn street, Brooklyn.

WANTED REPRESENTATIVE EVERYwhere. Unused Co., 26 Broadway, N. Y. Separate department each state. Now, best machines only $10 to $20.

AGENTS, TO SELL SUN HEATERS; gives light and heat. Attachable to any lamp; sample, 50c; agents, $60 to $100 per month. Sun Heater Co., Westchester, N. Y.

CROWN STEAM MACHINE. AGENTS wanted to handle them. Fine money. Crown Machine Co., Hanover, Mass.

AGENTS, GET COMBY CARD MAchine; big money in indoor sales everywhere. Write for special terms. Leo Candy Co., Cincinnati, O.

AGENTS—$7 DAILY TO SELL SPECIALTY Soaps and give customers double their money's worth in goods; sample free. Manufacturers Soap Co., Cincinnati, O.

AGENTS, LOCAL AND GENERAL, TO sell the automatic time draught, for outdoor and indoor business; it sells at sight; profits 100 to 300 per cent; every machine completely sold; for full particulars address, Automatic Draught Co., Baltimore, Md