SCIENTIFIC MISCELLANY.

Size Grows Space Not Limitless — Hook in a Name—Giving Medicine to Our's Vegetables—A contention Mill—Polar Sounds of the Forests—The Hollmann System for Shipping Fruit—Dipping Retarded—A Remarkable Find of Eggs.

The Milky Way, says Miss Agnes M. Clerke in Popular Astronomy, is made up of a finite number of star collections, each of finite dimensions, while the remnant of the sky, instead of being veiled with shimmering rye, thick-set in endless backward flies, shows a clear half-tinted spinkling with stars, the far-off outlying members of which diminish rapidly with penetration into the sidereal abyssos. The star-depths, as Sir John Herschel is distinctly perceived, are open, but, beyond a certain point, empty. The stars and nebulae form together a stupendous system, and no fact more clearly significant of an origin and progressive relation. But a system cannot be infinite—not, at any rate, in a sense imaginable by the human intellect. Both observation and rational inference indeed, while setting no bounds to the display of creative energy, reduce behind it a terminated sidereal world, only a certain horror vacui in the human mind shrinks back from the void beyond, and evokes imaginary stellar populous to inhabit imaginary wilderness.

A singular effect of nomenclature upon commerce can been pointed out by an English chemist. Sulphate of soda, an imported mixture, is much used by the farmers of Great Britain, while sulphate of ammonia, a home product at about the same price, is strangely neglected. The suggested explanation is that the name of the former chemist carries with it the idea of nitrogen. Ammonia sulphate is mentioned really contains 25 per cent more nitrogen, and is the richest nitrogenous manure available, it is proposed to change its trade name to "Nitrogenous sulphate."

Some true tales of the pharmacopeia are useless, others are curious. It has been suggested that the iron should be obtained in an assimilable form from vegetables, and the idea has been extended by a French chemist, M. Gabriel Vlach, who proposes to feed the vegetables with iron to prepare them specially for use as a tonic. By systematic manuring, he would provide vegetable having any required proportion of iron.

A little heat engine of greater sensitiveness than the thermometer of Crookes has been devised by Mr. A. R. Bennett, an English physicist. The motor begins to revolve the moment it is exposed to daylight in Italy, and whether the sun is shining or not, the action being due to connection currents set up by the slight heating of the metal surfaces and consequent expansion of the air thereon, while the glass shade covering the working part is not heated and condenses the air. In one modification surprise that is automatically stored by the day for use at night, such a motor having confined to resist through heavy. The electric motion without stopping day or night. The instrument varies to speed with barometric pressure and moisture of the air, is capable of making the day or polar, and can be used as a calorimeter by cooling to the temperature, at which rotation ceases, and the suspending piece of heated metal inside. In this way the specific heats of substances can be accurately compared, the number of rotations caused being in direct proportion to the amount of introduced heat. The instrument also promises to be of service in measuring the comparative heat resisting power of textile fabrics, boiler compositions, and the relative heat conductiveness of thin threads and wires, while it is now being employed in a series of scientifically instructive tests on the comparative sensitiveness to convection effects of various glass.

The northern limit of true forest land has been found by Herr K. Ihmer, a German student, to reach its highest latitude, 72½ degrees, in the Taimyr peninsula, upon which it runs eastward to the Tschuktschen peninsula, then bends radically northward. On the Alaska coast it is near the Arctic circle, and goes gradually northward to the Mackenzie delta, where it attains the highest American latitude in about 69 degrees. Its most southerly point is in 57 degrees [52 degrees?] on the East Main river, north whilst it crosses Labrador, Greenland and Iceland in the direction of the North cape.

The Hollmann locomotive—of traveling electric stalls—has attracted favorable attention in France as to the applicability of the system to the propulsion of large vessels is to be tested on the Seine. The propellers will be driven by electric motors receiving their energy from generators driven by a steam engine on board.

The recent starving of some dogs on liberal allowances of water and meat (malt supervening) has led to a report in eighteen days, the latter in thirteen, has demonstrated the insignificant nutritive value of meat broths.

Refrigeration having been employed for some months to retard the blooming time of plums, the Lehrkanal consulting committee of the Kent County Council, England, has experimented with the deferred time whether the ripening of fruits could be delayed in a like manner. On August 31, apples, pears, plums, French beans and tomatoes were placed in two special refrigerating chambers, which were then kept at a temperature of 38 to 40 degrees Fahr. It was soon found that the plums and tomatoes could not be kept long, but the apples were successfully ripened after the process had been effected for at least a month. It is concluded that the cold storage system on a large scale offers considerable advantage to fruit growers, as it will enable them to keep back their fruit during periods of stagnation in markets.

A discovery expected to point the opening chapters of a unique Dinosaur history has been announced to the London Royal society. The pasty fossilized, allied to the Dodo, is the only surviving representative of the ancient group of Ammonites, whose fossil sheets are so well known, and so rare in the world. Of the modern animal that Prof. E. Ray Lankester once paid £10 for, two preserved specimens. It is dragged in lakes, however, and taken as food by natives in some of the Melanesian islands. Dr. Dybowski, a member of the Lankester, especially the walking up of its complicated ova, has been a mystery to naturalists, and to clear up this point Dr. Arthur Willey has been two or three years painstakingly dredging near New Britain and New Guinea for the unknown eggs. A living one of the Royalty Islands, Lequeo has been at last successful, a plentiful supply of the egg—each as large as a grape and deposited separately—having been obtained from animals captured and kept for some months in a submarine cage.

The Agassiz expedition, designed to encourage scientific consulting, is now in its twenty-seventh year. Its jet is at present its headquarters at Pallahes, Mass., but its stations work together in most clusters, which now extend in all a thousand miles and cover the United States and Canada, with there are a few in England, Australia, Russia, Tasmania and New Zealand.

Plant maps and papers extending back 120 years, Dr. Hermann Weber finds that the lakes in the common Zones have greatly diminished in number and size. The forest area has been reduced but little, but the vineyard area has steadily increased.

WEATHER IN FEBRUARY.

All Previous Records Fall of Snow Broken to Some Parts.

The mean temperature for the State was 27 degrees, which is about 6 degrees above the usual February nominal. The highest monthly mean was 37 degrees at St. George, Washington county, and the lowest, 16 degrees at Fort Duchesne, Uintah county. The highest temperature recorded during the month was 63 degrees at Pilmore, Millard county, on the 28th, and the lowest 21 degrees below zero at Lon, Piute county, on the 22nd. Range of temperature for the State, 84 degrees; greatest local monthly range of temperature, 70 degrees at Lon; least monthly range of temperature, 29 degrees at Pilmore.

The average amount of precipitation for the month was 2.35 inches, which is a little over an inch above the normal for February computed for 22 years. The greatest monthly amount recorded was 5.50 inches at Mammoth, Juab county, and the least amount, .20 of an inch at Fresno, Beaver county. The average depth of the snowfall was 19 inches, being generally heaviest in the southern part of the State and lightest in the extreme northern sections. In many localities the fall of snow was the heaviest in many years, breaking all previous records for the month of February.

During the month there was an average of 8 clear days, 9 partly cloudy days and 11 cloudy days. There were several days in the month in which moderate amounts of precipitation occurred. The weather was generally stormy with almost daily precipitation from the 1st to the 22nd, when a change in conditions prevailed continuing until the close of the month. The prevailing direction of the wind was from the southwest. The total wind movement for the month was 2,742 miles, and the maximum velocity of 50 miles per hour from the south on the 11th. High southerly winds prevailed throughout the State on the 15th and 19th, doing little or no damage.

REMARKS OF OBSERVER.

Cotton—Earthquake shocks on 8th, 12th, 14th, 20th and 21st, severe enough to crack the walls of brick buildings, move stores an inch or two, rattle dishes, etc. An escape of gas reported not a mile or so to Salt Lake from the month of Deer river which throw up mud and water; first reported on 22d; no earthquakes since.—A. V. Hill.

Provo—The heaviest snow storm commenced at 4 p. m. on the 17th and ceased at 3 p. m. on the 19th.—Prof. E. Hinckley.

Paroan—The heaviest snowfall here that has fallen in a number of years. The farmers feel encouraged so it insures plenty of water for irrigation in late years.—James Crouch.

Frisco—Fog on 2nd; snow at intervals on 5th and 6th; snow and high wind all day on 19th; snow distributedly.—Edith Slaughter.

Minersville—On the 19th a strong southwest wind accompanied with snow.—Lorenzo Roberts.

Heber—Blizzard from the south on 18th and 19th; bright sunlight on 21st and 22nd; snow fell on Tuesday night and Wednesday night to three and sixteen inches.

Cedar City—Snow fell to the depth of one inch on the 19th; snow fell to eight inch deep at the saw mill up the Pinto river. Strangers are busy hauling much snow to use a plenty of water for irrigation purposes.—John Crook. J. H. SMITH, Observer and Section Director.

Information Wanted.

Information is wanted concerning the whereabouts of a Mrs. Porter, whose maiden name was Slaughterbach and who came from Pennsylvania. Anyone having the desired information will please forward the same to this News.

Utah Conservatory of Music

Offers special advantages in

PIANO AND HARMONY.

The course in piano music is that of the Conservatory of Stuttgart, Germany, and is taught by a graduate of that famous conservatory.

$30.00 per term of 40 private lessons.

For particulars call at room 212 Brooks Arcade, opposite the Knutsford, or address

Elias S. P. Brown,

209 S. State St., Salt Lake City.

SAPONIFIER.

Powerful Disinfectant. Superior Scouring Powder. Best and Cheapest Concentrated Lye in handy prep making and several household uses. Brooks of wonderfully. The success of this article has induced enterprising parties to imitate it. Dealers supplied. Demand genuine Pacific Salt Manufacturing Co., Philadelphia, or stamps on the lid. Ask your grocer for it and take no substitute.

SCAVENGER No. 5.

Cleans and Compacts Cleanest.

M. J. SANDBERG,

Address: 520 East Second Avenue. Office, 241 Main Street.

Gladness Comes

With a better understanding of the excellent nature of the many physical ills which vanish before properly directed efforts, gentle laxatives are rightly esteemed. There is comfort in the knowledge that so many forms of sickness are not due to any inherent weakness, but simply to a constipated condition of the system, which the pleasant family laxative, Syrup of Figs, promptly removes. That the Syrup of Figs is the remedy with millionaire families, and is everywhere esteemed so highly by all who know its value, is due to the wonderful effects one due to the fact, that it is the one remedy which promotes internal cleanliness without weakening the organs on which it acts. It is therefore all important, in order to get its beneficial effects, to note when you purchase, that the genuine article, which is manufactured by the California Fig Syrup Co., only and sold by all reputable druggists.

If in the enjoyment of good health, and the system is regular, laxatives or other remedies are then not needed. If one is bilious or constipated, one may be commended to the most skillful physicians, but if in need of a laxative, the most acceptable and beneficial, and well-informed everywhere, Syrup of Figs stands highest and is most largely used and gives most general satisfaction.

UTAH SUGAR COMPANY.

STOCKHOLDERS' MEETING—THE ANNUAL meeting of the stockholders of the Utah Sugar Co. will be held at the office of the company, 21 Main street, in Salt Lake City, Utah, on Tuesday, April 6, 1897, at 3 o'clock p. m.

The place of the meeting is the election of a board of directors to serve for the ensuing year, and the transaction of such other business as may properly come before it.

JOHN C. CAYWOOD, Secretary.

Salt Lake City, Utah, March 12, 1897.

SUMMONS.

In the District Court of the Third Judicial District of the State of Utah, County of Salt Lake.

The Commercial National Bank of Salt Lake City, a corporation, plaintiff,

vs.

Franklin Bird, defendant.

The State of Utah sends greeting to Franklin Bird, defendant:

YOU ARE HEREBY REQUIRED TO APPEAR in an action brought against you by the above named plaintiff, in the District Court of the Third Judicial District of the State of Utah, in and for the County of Salt Lake, within twenty days (exclusive of the day of service) after the service on you of this summons—if served within this county, or within forty days if served elsewhere, and to defend the complaint filed herein, or judgment will be taken against you according to the prayer of said complaint.

The said action is brought to have judgment against the defendants for the sum of $1,000, principal and interest due and owing on a note of a promissory note bearing date on some date prior to the 1st day of June, A. D. 1893, payable to the order of the plaintiff, and delivered to the plaintiff, and for a reasonable attorney's fee, to be fixed by the court, and for costs of suit, and for the foreclosure of the mortgage given to secure said note, and for the sale of said premises, satisfying the proceeds of said sale, so much thereof as may be, the amount found due to said plaintiff, after the payment of the costs of said sale, and the expenses of the sale, to the payment of said plaintiff, and defendants, and all persons claiming under them, or subsequent to the commencement of this action, be barred and foreclosed of all right, title, and interest in said premises, and every part and parcel thereof, and that said premises be sold to satisfy said judgment, and that said plaintiff may be the purchaser at said sale, and that the court may make such other and further order in the premises as to the court may seem just and equitable.

And provisions are contained as follows: Lots numbered twenty-one (21) and twenty-two (22) in Calvin Park subdivision of Lots 1 and 2, and in block 81, Plat "B" Salt Lake City, according to the official plat and survey of said City and County, Utah.

And you are hereby notified that if you fail to appear and answer the said complaint as above required, the said plaintiff will apply to the Court for the relief demanded therein.

Witness, the honorable Judge, and the seal of the District Court of the Third Judicial District, in and for the State of Utah, this 2nd day of March, A. D. 1897.

[SEAL.] DAVID C. DUNBAR, Clerk.

By Geo. D. Rowlands, Deputy Clerk.

RECEIVER'S SALE.

NOTICE IS HEREBY GIVEN THAT PURSUANT to an order of sale and decree of foreclosure in the cause of Thomas Dwyer, plaintiff, vs. Mary Jane Dwyer, defendant, in the Third Judicial District of the State of Utah, County of Salt Lake, I, the undersigned, receiver appointed in said cause, will sell at public auction, to the highest bidder, for cash, in the City and County of Salt Lake, State of Utah, on the 10th day of April, 1897, at the hour of 10 o'clock a. m. of said day, at the south door of the Court House in said City and County of Salt Lake, the following described real estate, situate in said County of Salt Lake, State of Utah, to wit:

Lots 1 and 2 in block 81, Plat "B" Salt Lake City survey, according to the official plat and survey of said City and County of Salt Lake, State of Utah, upon the premises, subject to redemption as provided by law.

Dated Salt Lake City, Utah, March 11, A. D. 1897.

THOMAS P. LEWIS, Receiver of Utah Sewing Company, Corporation.

SHERIFF'S SALE.

NOTICE IS HEREBY GIVEN THAT PURSUANT to an order of sale and decree of foreclosure in the cause of Thomas Dwyer, plaintiff, vs. Mary Jane Dwyer, defendant, in the Third Judicial District of the State of Utah, County of Salt Lake, in a cause wherein Thomas Dwyer, plaintiff, and Mary Jane Dwyer, defendant, and Utah Sewing Machine Company, a corporation, the National Bank of the Republic of Salt Lake, a corporation, Mountain Fuel Supply Company and Utah Sewing Machine Company, a corporation, are defendants, I, the undersigned, sheriff of said County of Salt Lake, will sell at public auction, to the highest bidder, for cash, in the City and County of Salt Lake, State of Utah, on the 10th day of April, 1897, at the hour of 10 o'clock a. m. of said day, at the south door of the Court House in said City and County of Salt Lake, the following described real estate, situate in said County of Salt Lake, State of Utah, to wit:

Lots 1 and 2 in block 81, Plat "B" Salt Lake City survey, according to the official plat and survey of said City and County of Salt Lake, State of Utah, upon the premises, subject to redemption as provided by law.

Dated Salt Lake City, Utah, March 11, A. D. 1897.

THOMAS P. LEWIS, Sheriff of Salt Lake County, Utah.

By J. H. THOMPSON, Deputy Sheriff.

EDWARD SCOTT, Attorney for Plaintiff.

SHERIFF'S SALE.

NOTICE IS HEREBY GIVEN THAT PURSUANT to an order of sale and decree of foreclosure in the cause of Thomas Dwyer, plaintiff, vs. Mary Jane Dwyer, defendant, in the Third Judicial District of the State of Utah, County of Salt Lake, in a cause wherein Thomas Dwyer, plaintiff, and Mary Jane Dwyer, defendant, and Utah Sewing Machine Company, a corporation, the National Bank of the Republic of Salt Lake, a corporation, Mountain Fuel Supply Company and Utah Sewing Machine Company, a corporation, are defendants, I, the undersigned, sheriff of said County of Salt Lake, will sell at public auction, to the highest bidder, for cash, in the City and County of Salt Lake, State of Utah, on the 10th day of April, 1897, at the hour of 10 o'clock a. m. of said day, at the south door of the Court House in said City and County of Salt Lake, the following described real estate, situate in said County of Salt Lake, State of Utah, to wit:

Lots 1 and 2 in block 81, Plat "B" Salt Lake City survey, according to the official plat and survey of said City and County of Salt Lake, State of Utah, upon the premises, subject to redemption as provided by law.

Dated Salt Lake City, Utah, March 11, A. D. 1897.

THOMAS P. LEWIS, Sheriff of Salt Lake County, Utah.

By J. H. THOMPSON, Deputy Sheriff.

EDWARD SCOTT, Attorney for Plaintiff.

SHERIFF'S SALE.

NOTICE IS HEREBY GIVEN THAT PURSUANT to an order of sale and decree of foreclosure in the cause of Thomas Dwyer, plaintiff, vs. Mary Jane Dwyer, defendant, in the Third Judicial District of the State of Utah, County of Salt Lake, in a cause wherein Thomas Dwyer, plaintiff, and Mary Jane Dwyer, defendant, and Utah National Bank, Lester Shoaf & Company, a corporation, Lester Shoaf, Thomas Kearns, Robert Sweet and William Hope, as partners as Utah Sewing Machine Company, Utah Sewing Machine Company, a corporation, Thomas Kearns, John Dern, Jr., Fisher and Lange Hardware, Hardware Company, a corporation, Fisher Hardware Company, a corporation, Lewis A. Rosenbaum and Lewis A. Lazz, copartners as Rosenbaum and Lazz, Lazz Rosenbaum, a corporation, Lewis A. Lazz, copartner as Lazz Rosenbaum, a corporation, the National Bank of the Republic of Salt Lake City, a corporation, are defendants, I, the undersigned, sheriff of said County of Salt Lake, will sell at public auction, to the highest bidder, for cash, in the City and County of Salt Lake, State of Utah, on the 10th day of April, 1897, at the hour of 10 o'clock a. m. of said day, at the south door of the Court House in said City and County of Salt Lake, the following described real estate, situate in said County of Salt Lake, State of Utah, and particularly described as follows, to wit:

Part of Lot Five (5), Block Twenty-four (24), Plat "A" Salt Lake City survey, commencing at the southwest corner of said Lot Five (5), running thence north 44 (11) rods, thence east five (5) rods, thence south 44 (11) rods, thence west five (5) rods, to the place of beginning, together with all and singular the tenements, hereditaments and appurtenances thereunto belonging or in any wise appertaining.

To be sold as the property of Fred Bonn and Thomas Kearns, Receivers of Utah Sewing Machine Company.

Dated Salt Lake City, Utah, this 9th day of March A. D. 1897.

THOMAS P. LEWIS, Sheriff of Salt Lake County, Utah.

By J. H. THOMPSON, Deputy Sheriff.

EDWARD SCOTT, Attorney for Plaintiff.

SHERIFF'S SALE.

NOTICE IS HEREBY GIVEN THAT PURSUANT to an order of sale and decree of foreclosure in the cause of Thomas Dwyer, plaintiff, vs. Mary Jane Dwyer, defendant, in the Third Judicial District of the State of Utah, County of Salt Lake, in a cause wherein Thomas Dwyer, plaintiff, and Mary Jane Dwyer, defendant, and Utah Sewing Machine Company, a corporation, the National Bank of the Republic of Salt Lake, a corporation, Mountain Fuel Supply Company and Utah Sewing Machine Company, a corporation, are defendants, I, the undersigned, sheriff of said County of Salt Lake, will sell at public auction, to the highest bidder, for cash, in the City and County of Salt Lake, State of Utah, on the 10th day of April, 1897, at the hour of 10 o'clock a. m. of said day, at the south door of the Court House in said City and County of Salt Lake, the following described real estate, situate in said County of Salt Lake, State of Utah, to wit:

Lots 1 and 2 in block 81, Plat "B" Salt Lake City survey, according to the official plat and survey of said City and County of Salt Lake, State of Utah, upon the premises, subject to redemption as provided by law.

Dated Salt Lake City, Utah, March 11, A. D. 1897.

THOMAS P. LEWIS, Sheriff of Salt Lake County, Utah.

By J. H. THOMPSON, Deputy Sheriff.

EDWARD SCOTT, Attorney for Plaintiff.

NOTICE TO CREDITORS.

Estate of Joseph P. Ridley, Deceased.

NOTICE IS HEREBY GIVEN BY THE undersigned administrator of the estate of Joseph P. Ridley, deceased, to the creditors of, and all persons having claims against the deceased, to exhibit them with the necessary vouchers, within four months after the date of the first publication of this notice, to the said administrator, at the office of Sarah P. Ridley, in Salt Lake City, County of Salt Lake, Utah.

Dated March 11, 1897.

SARAH P. RIDLEY, Administrator of the Estate of Joseph P. Ridley, deceased.

DANIEL HARRINGTON, Attorney for estate.

Dated January 6, 1897.

NOTICE OF ASSESSMENT.

Lion Gold Mining Company, Location in Cottonwood mining district, Salt Lake, Utah. Principal place of business, Rooms 20 and 22, Hopkins Building, Salt Lake City, Utah. Location of mines, Camp Lewis and Cipher Lion claims, near Alta, Utah.

NOTICE IS HEREBY GIVEN THAT AT A meeting of the Directors, held on the 20th day of February, 1897, an assessment of one (1) cent per share was levied on the capital stock of the corporation, payable on or before the 20th day of March, 1897, to the Secretary, Salt Lake City, Utah, or before the 20th day of March, 1897.

Any stock upon which this assessment remains unpaid on the 20th of March, 1897, will be delinquent, and advertised for sale at auction, and if payment is not made before the 20th day of April, 1897, will be sold at the hour of 2 p. m. at the office of the company, to pay the delinquent and cost of advertising and expenses of sale.

CHAS. S. HUMPHREY, Secretary.

Salt Lake City, Utah, February 20, 1897.

SUMMONS.

In the District Court of the Third Judicial District of the State of Utah, County of Salt Lake.

G. E. Bottsford and E. E. McCormacky, copartners as Bottsford & McCormacky,

vs.

Hugh A. Arnott and F. O. Young, defendants.

The State of Utah sends greeting to Hugh A. Arnott and F. O. Young, defendants:

YOU ARE HEREBY REQUIRED TO APPEAR in an action brought against you by the above named plaintiffs, in the District Court of the Third Judicial District of the State of Utah, and to answer the complaint filed therein within ten days (exclusive of the day of service) after the service on you of this summons—if served within this county, or if served elsewhere within twenty days, and to defend the complaint filed herein, or judgment will be taken against you according to the prayer of said complaint.

The said action is brought to have a decree of the court adjudicating the rights of the plaintiffs and each of them, over an estate, claim or interest in or to the premises hereinafter described, or any part thereof, that the title of plaintiff is good, premises be adjudged and decreed to be the property of the plaintiffs and each of them, and that the defendants and all persons claiming under them, be forever barred and foreclosed of all claim to and interest in said premises or any part thereof, and that the defendants, and each of them, be enjoined from asserting any claim to said premises, or any part thereof, and that the defendants, and each of them, be required to set forth the nature of his or her claim, and prove the same, and that the title of each of them may be determined to a certain lot, piece or parcel of land situate in Salt Lake County, State of Utah, and that the title of plaintiff is good, premises be adjudged and decreed to be the property of the plaintiffs and each of them, and that the defendants and all persons claiming under them, be forever barred and foreclosed of all claim to and interest in said premises