THE DESERET NEWS.

[From Chambers' Edinbursh Journal.]

The Royal Observatory at Greenwich.

this country are ignerant of the existence of down for the use of the owners; the same three years in advance, for the benefit of those Hebrew physicians seem to have considered the institution whose name stands at the head course is followed with the chronometers of who go long voyages. The list of stars for oil as more efficacious than any other remof these columns. Some, during a visit to ships lying in port. London, and while sauntering in Greenwich Visitors to Greenwich Park may frequently observations; and it is a rule that each star Park, may have seen its exterior. Others, see a captain descending the hill with his time- shall be observed at least twenty times in every again, have read of it in books of voyages, or keeper in a handkerchief under his arm. The three years. seen the words printed in the margin of maps, present number of chronometers on trial ex- Besides these, there are observations of stars as the point from which longitude is reckoned. ceeds one hundred, many of them being from for refraction; of those selected for the moon-But very few possess any definite idea as to government ships paid off, and thirty in pre- culminating list of the almanac; of those comthe nature of the operations carried on within paration for the determination of the longitude pared with comets, and others observed in it; of the patient watching, amounting to severe of Valentia in Ireland. labor, in conducting the extensive, various, and Another very important object in the institu- planets are observed at every practicable opdelicate observations for which it has long tion and maintenance of the observatory, is the portunity, the latter through all hours of the ing. been celebrated; or of their high importance observations of the moon, and the determina- night (except on Sundays), when the moon

in the annual report for the present year of those observations. scientific proceedings, contains also some to have been followed up with the greatest execution. of readers to comprehend the more than na- lected. tional value of such an establishment.

proceeding farther, a brief history of the build- and tables of the moon are everywhere founded a bell, are attached to it. When the appara- members in the Territory and those on missions. ing, which is erected on the top of a gravelly on the observations at Greenwich, which is tus is excited by the electric state of the athill in Greenwich Park, on the site of the an- looked to as that from which alone adequate mosphere, the balls become violently agitated, cient tower built by Duke Humphrey in the observations can be expected; and it is fair to and, striking against the bell, cause a ringing, reign of Henry VI, commanding a fine and predict that, while the duties are as efficiently which immediately attracts the attention of I. Blackburn, Mr. HENRY C. ROGERS and Miss EMMA impressive view over the smoke-shrouded city, performed as at present, lunar tables will al- the attendant. the flowing river alive with vessels, and the ways be founded on the same authority. fertile plains of Essex. It was built by order To seafaring men lunar tables are of little this garden 100 feet in depth, with steps lead- Mr. JOSEPH MCCARRELL and Miss CHARLOTTE of Charles II, who, with all his levity, seems less importance than true time; relying on their | ing to the bottom, for the purpose of observing OSCAR. to have been aware of the importance of correctness, they sail away into the broad the stars in the daytime; but this has long science: the first stone was laid by Flamsteed, ocean, over which the calculations made thou- since been arched over, as the improvements who had been appointed astronomer royal in sands of miles distant serve as finger-posts. August 1675, and no delay took place in its In order to render this branch of the obser- necessary completion and furnishing it with accurate vations still more efficient, an additional build- The whole mass of observations, both meinstruments. By the words of Flamsteed's ing is being erected, in which the moon may be teorological and astronomical, is regularly Latter Day Saints in 1842, and removed to the mountains commission, he was directed 'to apply himself observed through her entire passage. Owing printed, a quarto volume of some thousand in 1852. She was faithful and exemplary in all her conwith the utmost care and diligence to the rec- to the construction of the portion of the build- pages appearing once in the year. Most of duct .- [Com. tifying the tables of the motions of the heavens, ing at present devoted to this purpose, one these are distributed amongst the observatories and the places of the fixed stars, in order to half of her course is very imperfectly observed, all over the world, with a view to assist the find the so-much desired longitude at sea, for and one fourth is quite lost. perfecting the art of navigation.' With what When the new part is completed, it is anti- series of observations, undertaken at the ex- Com. success this has been done, may be inferred cipated that the observations on our satellite pense of government, which have now been from the remarkable words of Delambre, who, may be made almost every night; at present, carried on for four or five years, and are exwriting on the four volumes of observations by from the cause above alluded to, they do not pected to be brought to a conclusion in the Maskelyne, astronomerroyal at the commence- exceed one hundred in the year. Some idea of present year. ment of the present century, observes, 'that if, the patience necessary on the part of the ob- [In order to have some security that the asby a great revolution, the sciences should be server, may be inferred from the fact of his sistants, of whom there are nine regularly on lost, and that this collection only were saved, being required to watch from moonrise to an the establishment, are in attendance to take brands visible. there would be found in it materials sufficient hour or more after sunrise, or from an hour their observations at the time appointed, a to rear almost an entire new edifice of modern before sunset to moonsetting. astronomy.' principal buildings, one the observatory, the observations have been conducted at the obser- are attached on the dial plate, which turns ple street, two doors south of Hooper & Williams' store. other the dwelling-house; the former is a low atory. For the observation of the magnetic round; this is secured by a door with a lock For particulars apply at Jennings and Wind rs' Deserve oblong erection, placed east and west, with dip, and some other points which could not be and key, so that the only external communi- Meat and Provision Store, or to E. Bellugsley, Provo. four principal apartments on the ground-flour, carried on near the great magnets, or other cation is by the cords, one of which being in which the most important observations are disturbing influences, a small outbuilding has pulled by the assistant when he leaves, a knob carried or; in one of these, which has a been raised of wood, the greatest care being is displaced, the dial plate turns round, and double sloping roof fitted with sliding shutters, taken that no particle of iron should be used in thus a complete check is kept upon the attendfor convenience in observing transits, is the the construction. transit instrument, eight feet in length, resting | Such is the extreme delicacy and susceptibi- Among the extraordinary scientific operafrom the days of Halley. In an adjacent a partment is the magnificent | tubes of glass. other circles, and a variety of astronomical ness. many scarce scientific books. admiralty. stars, and their transit over the meridian. easy. o'clock. Such is the skill displayed in the observa- a week. est regularity from the time the plan was first self the force, direction and duration of winds. 000 of pounds weight a foot high. This is adopted.

It would not be out of place to give, before able to the institution; for the existing theories the building, where pith balls, suspended near

There is an apartment in the building appro- changed, M. Struve, astronomer at the latter and many young persons with hectic cheeks priated to chronometers. It is the custom place, has come over to make observations would probably never know the last days of with makers of those instruments to send them from this point, for which purpose a transit consumption if their parents would insist on

this work has a first claim in the astronomical edv.

trigonometrical survey. The sun, moon, and in a scientific and commercial point of view. tion of the places of fixed stars necessary for only, with accompanying stars, is observed. These points are, however, ably elucidated ascertaining instrumental errors arising in Occultations, diameters, and the eclipses and movements of Jupiter's satellites, complete a G. B. Airy, Esq., the astronomer royal, which, In the early history of the building, these catalogue which, for scope and detail, reflects while it explains the satisfactory state of the were regarded as secondary, but they appear the highest credit on those concerned in its ante-room of the Seventies' Hall, on the first Saturday of

> 80 feet high, fixed in the garden; a wire con- punctual attendance .- By order of the Council, The effect of this regularity is most honor- nected with this is led into one of the rooms of

> > In Flamsteed's time, a well was sunk in

to the observatory for correction or trial. instrument has been placed at his disposal. having the chest, back and limbs anointed with It is fair to suppose that but few persons in Their daily rate is then observed, and noted The Nautical Almanac is generally printed sweet oil two or three times a week. The

> Answer to Enigma in No. 35. 'Brigham Young.' ANNA MARIA. Manti, Nov. 9, 1856. nnnnnnnnn Restoration. WEST JORDAN WARD, Nov. 9, 1856. Br. David Park has been restored to his termer stand-JOHN BENNION, BisheD. mannan THE STTH QUORUM.

The Members of the 37th Quorum of Seventies are informed that their future meetings will be held in the every month, at six o'clock in the evening. Every memgeneral notices that may enable the great body regularity, even when all others were neg- The electrical apparatus is attached to a pole ber residing in and near this city is requested to be in

J. G. CHAMBERS, Clerk.

P. S. The Council are auxious to hear from all the

MARRIED:

HIGBEE.

In Provo city, on Sunday October 19, by Emer Harris, and the average of the second of the second

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The whole establishment comprehends two cal, a series of magnetic and meteorological hands, but a series of knobs, to which cords

mural circle by Thoughton, which was placed These skeins are prepared at Manchester portion of which, a straight line of a distance on its stone pier in 1812, and although it has a expressly for the purpose; the fibres consist of of 70 miles, was to connect two defined points. muy, in re-cutting files and rasps, announces that he diameter of nearly eight feet, such is the ac- seven or eight threads, as when reeled off in The country through which this line was to curacy with which it has been constructed, readiness for spinning: the slightest twist pass is described as surpassing in its diffi- opposite Jennings and Winders', will receive immediate that its position may be ascertained to the would render them unfit for use; and it is es- culties the conception of any European. It attention. All kinds of produce taken in exchange. 37-3 tenth of a second. In the other rooms are sential that they should be of uniform thick- consists of impervious forests, steep ravines, instruments, as well as a library containing There are three magnetometers, the magnets impossible; a plan was therefore arranged by It is, however, beyond our province to at- of polished steel, each two feet in length, one tion of the absolute latitude and difference of tion will be rewarded by JENNINGS & WINDER, tempt a description of the splendid and com- inch and a half in width, and one quarter of an longitude of the two extremities. The differplicated instruments contained within the inch in thickness. In reading off the results, ence of longitude was determined by the transobservatory, which we should scarcely suc- allowance is made for the presence of iron in fer of chronometers, by a very circuitous ceed in making intelligible to the general the apparatus which supports them, or in other route, from one end to the other; after which and take the hile. reader; suffice it to say, that the establishment parts of the room. These instruments, with the necessary computations were made, and is supported at the expense of government, and the barometer, and the wet and dry thermome- marks laid off for starting with the line from is under the direction of the lords of the ters, are observed every two hours, day and both extremities. Astronomical time is not divided, like civil times every day; the magnetic dip is observed through the woods, were agreeably surprised buffalo cow? Whoever Can give any information about time, into two periods of twelve hours, but is on the forenoon and afternoon of each of two on the brow of a hill at seeing before them a her to William Snow will conter a great favor and earn counted regularly from one to twenty-four. days in every week; on one particular day in gap in the woods on the next line of hill, which the best of all rewards-a good conscience and perhaps Now, it is one of the most important objects in every month, previously determined for the opened gradually, and proved to be the line of Also, lost last summer, on the top of, or coming down the duties of the observatory to find the true observatories in various parts of the world, the opposite party. O' continuing the lines the Little Mountain, a good AXE, which is sadly needed time; this is ascertained at Greenwich by ac- and known as a term day, magnetic observa- till they were abreast of each other, their dis- by the owner. curate determination of the places of various tions are made at every five minutes; on one tance was found to be 341 feet, a difference From these observations the mean solar time barometer are made; observations with the second of time in the difference of longitude. is computed; and this once known, the finding actinometer, an instrument for ascertaining the The performance of this operation reflects the of the longitude of any place is comparatively radiation of solar rays, are made when cir- highest honor on the officers engaged. Tran- broke off, branded S. S. J. R. R. on the nigh horn, and a A knowledge of the true time being of the traordinary observations of any kind, when whose delicacy everything depended, when the highest importance in keeping the reckoning of circumstances require them. The indications thermometer was lower than 19 degrees below a ship on a voyage, the lords of the admiral y of the self-registering instruments are regu-. zero, and when the native assistants, though face. determined, about ten years since, on a means larly preserved or read off; the rain gauges, paid highly, deserted on account of the seve- A one year old brindle STEER. for making known daily the hour of one &c. which are cumulative, but not self-regis- rity of the weather. tering, are read, some once a day, some once in

in the construction of telescopes render it un-

clock, commonly termed 'the watchman's Of late years, in addition to the astronomi- clock,' is fixed in the ante-room; it has no

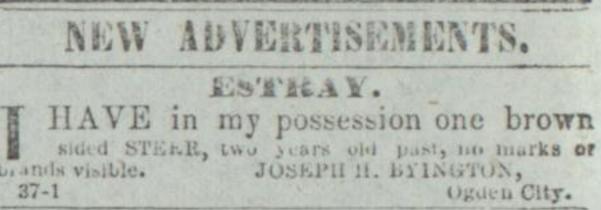
ance of the subordinate officers. on two stone pillars, and interesting from lity of some of the instruments in this a part- tions to which the observatory has contributed having been used by the astronomers royal ment, that they are suspended by skens of its aid, was that of instructing the officers of fibrous silk, enclosed, in some instances, within the corps of Royal Engineers, who were apand dismal swamps. A survey of the line was for which were made at Gottinger; they are the astronomer royal, founded on a determinanight (except on Sundays), the dew point four One party, after cutting more than 42 miles day in each month, hourly observations of the which arose in an error of only a quarter of a cumstances are favorable; electrical and ex- sits were observed, and observations made, on brand on the nigh hip not visible. THE WONDERFUL POWER OF FUEL .-- It is tions, that this hour is now ascertained with In addition to these instruments, there are well known to modern engineers (remarks an the utmost nicety, and from the summit of the an atmospheric electrometer, a galvanometer, English journal), that there is virtue in a bushbuilding has been made known with the great- and an anemometer. The last registers of it- el of coal, properly consumed, to raise 70.000,-There are also self-registering thermometers, actually the average effect of an engine work- his forehead, low, heavy built, marked on the top of Every day, at five minutes to one, the capt- which are suspended from the side of the ing in Huel Towan, Cornwall, England. Let neck by the collar. Dreadnought hospital ship, for ascertaining the us pause a moment and consider what this is observatory, may be seen directing their teles- temperature of the water of the Thames, with equivalent to in matters of practice. The left shoulder, and thus of on left hind thigh, markscopes towards a black ball slowly rising on a the object of assisting the registra-rgeneral in ascent of Mont Blanc from the valley pole fixed on the roof of its north-western the meteorological report affixed to his weekly of Chamouni is considered, and with justice, ed on the back in a number of places by the saddle, mane as the most toilsome feat that a strong man naturally hangs to the left side.

DIED:

In Payson, Utah county, Nov. 12, ELLEN, wife ef Richard J. Keel, aged 68 years.

She became a member of the Church of Jesus Christ of

In this city, on Tuesday the 11th Inst., SUSANNAR, wife of Peter Fullmer, aged 73 years and 2 months; in cause of science, and to facilitate the great full faith of the gospel and of a giorlous resurrection .-



FOR SALE. HAT Valuable Property formerly



ains of vessels in the river, within sight of the angle; they then prepare their chronometers, sanitary report.

which has become stationary at the top of the on the precision with which the longitude of a two pounds of coal would place him on the by LEVIE. RITER, or [37 2] pole, they note the instant when it begins to place is determined as regards any other fixed summit. VINCENT SHIRTLIEF. descend; at that instant it is one o'clock; and place: by the transmission of chronometers FRUIT TREES FOR SALE. it will be obvious that the mariner has then from one point to the other, this may be ascer-THE USE OF OIL .- In this country, children the opportunity of knowing whether his chron- tained. An operation of this nature is now in are "perpetually watered," as though they CHOICE Lot of Apple Trees, budemeter is fast or slow; he may set it to the progress to determine the difference of longi- were amphibious animals. In the East Indies 1 ded from scions brought from New York last true time, and, by daily observation of the tude between Greenwich and Pulkowa, in children are rarely washed in water; but they "pring; 2000 prize currant trees; 5000 seedling peach tree; a few plum and apr.cot trees; by L. S. Hemenway, 4th descent of the ball, ascertain its rate of Russia. As it is necessary that the observers are oiled every day. A child's head can be ward, G. S. L. Oily. Wheat, corn, or store ord. rs taken las well as the instruments should be inter- | kept much cleaner, if oiled, than without it, in exchang. going, 36.3

STRAWBERRY or Roan COW, part of one horn broken off, also the brush of the tail off. Any person that will bring ser on give informaat their Mean and Provision Store. N.B. Jennings and Winder exchange Boots, Shoes and

Leather of all kinds for Red Pine Bark, Oil, and good Hides. Beeves killed and dressed for \$1, or will pay \$1

STRAYED OR STOLEN. ROM the range near Lehi, in Utah co., a small dars COW, with a little white on

[37-2] MRS. Z. SNOW.

STRANS.

HAVE in my possession the following described cattle:-

A red and white five year old COW, with a brand on the nigh hip not visible.

A two year old red HEIFER, with a little white on her

The owners will please call and pay expenses and take JAMES GORDEN, Pound Keeper, them away. 37-3 Big Cuttonwood.

STRAYED OR STOLEN, TROM the care of Vincent Shirtliff, two miles south of this city, on November 2nd, one ye'low HORSE, with black mane and tail, branded D on nigh fore shoulder, six years old, a dim or grey star on

Also, one bay MARE, four years old, branded A C on

and keeping their attention fixed on the ball In-astronomical science, everything depends can execute in two days. The combustion of horses will be thankfully received and liberally rewarded