DESERET EVENING NEWS, SATURDAY, JUNE 18, 1904.

ers and for special instructors. The



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and the second of the

The above illustration is a view of the Lehi pul c school fair of last sea son. This picture fairly represents the Eastmond course of art and manual training.

JOSEPH L. HORNE.

too great, and no vital organ is affected, the growth is arrested. A report of 47 cases treated has been given, and of these 21 were completely cured.

From an account of large fungi found in France in 1902, it appears that lycop-erdons 20 to 24 inches in circumference were not uncommon. Three were much larger even than this, and one from im-freville is reported by M. Maurice Touze to have been 26 inches high and nearly 8 feet around, the weight being 22 pounds.

When air is passed over redhot quick-

P. A. SORENSEN, President. _.

The Complete House Furnishers,

sign: (4) Woodwork: Sloyd (whittling) sign: (4) Woodwork: Sloyd (whittling), knife carving, staining, bench work, applied design. (5) Needle Work: constructional and art work and ap-plied design. (6) Paper and cardboard construction: Cutting, folding, etc. Toy furniture. (7) Basketry: Grass, willows, rushes and other native ma-terial. (8) Textile work: plaiting and weaving, staining, Applied design. Each of the two courses is a minor and both constitute a major subject.

both constitute a major subject. E. H. Eastmond who has charge of the classes in art and manual training cor-relation at the Deseret Summer School Institute, is a graduate of Pratt In-stitute, Brooklyn, N. Y. For the past two seasons has had the supervision of drawing, handicraft and manual train-ing in the Utah county public schools. During the last year has been con-nected with the Brigham Young uni-versity. versity.

university, will give the courses in physics, etc., at the Deseret Summer Institute at Logan.

school credits, as they will deal specific-

SCIENTIFIC MISCELLANY.

The mysterious ether that is supposed to fill all space is, the subject of a new theory by Mendekeet, the Russian chem-ist, He would regard it as a definite chemical substance so light that its mole-cular velocity overcomes gravitation, a substance without chemical affinity, and with a power of diffusion so great that there is probably a lighter element than bydrogen, with an atomic weight of about 0.4, that may be the coronium of the sun's atmosphere and volcanic gases. The ether must have a still smaller atomic weight, certainly not over 0.17, and probably about one-millionth that of hydrogen as the molecule must have a velocity of al least 1.400 miles a second to escape the gravitation of the largert bodies of the universe. This hypotheti-cal element, almost without weight, is named Newtonium.

ally with the forces of nature, the fun-damental principles of machinery, and the use of scientific instruments. The the use of scientific instruments. The work will consist of (1) lectures illus-trated with experiments and demon-strations; (2) class recitations, and (3) laberatory work. Students will be ex-pected to do two hours of laboratory work daily for each course in physics. A. Elementary. This course in-cludes properties of matter, mechanical forces of solids and liquids, motion, sound, and energy. A knowledge of elementary algebra is required. B. This course includes heat, light, magnetism and electricity. Hoadley's "Brief Course in Physics," is the text-book

The two courses constitute a major.

Prof J. L. Horne, of the Latter-day Saints' university, one of the most popular teachers of mathematics in the state, will give the course in that sub-ject. In arithmetic the purpose will be to teach the subject rather than to give methods of presentation. So in algebra an elementary course will be given, following Wells' College Algebra to quadratic equations. A course in higher algebra may be substituted for this course in case a greater number of students desire an advanced course.

metallic calcium, the oxygen, nitrogen and hydrogen are absorbed, leaving ar-gon. Moissan bas found that the propor-tion of argon varies from 0.325 (in Lon-don) to 0.3422 (over the Atlantic ocean).

The messenger service of the body is

The messenger service of the body is one of the most surprising marvels of living, mechanism. We are familiar with the impressions telegraphed to the central station by the nerves of touch, heat, sight, hearing, taste and smell, but the work of the blood's body guard of thou-sands of members is less well known. These white blood corpuseles—the leuco-outes one infolliont cardiers from the

intelligent carriers from

Plane geometry will be given with Phillip's and Fisher's Elements of Ge-ometry as a text. Solid geometry may be substituted for this course. A course will be offered in plane trigonometry with Wells' New Plane and Spherical Trionometry as a text. Courses in higher mathematics will be Courses in higher mathematics will be given in case four or more students apply for the same course.



SEE GREAT TOWER.

Special Correspondence.

ONDON June 8 .- Americans who are coming to England this year and intend visiting Canterbury will be disappointed to hear that builders have just begun to surround the central tower of the famous cathedral with a huge scaffolding by which its beauties will be completely hidden for probably many months to come. The temporary disfigurement is necessitated, however, by the unsound condition of this portion of the structure, which has made its resthe structure, which has hade its tes-toration imperative lest the tower should share the fate of Venice's Cam-panile. Historically known as the "Bell Harry" tower, this crowning achieve-ment of Canterbury's architect is com-moniy regarded as the finest example

monly regarded as the finest example of the perpendicular style of church ar-chitecture in England, although the name of its designed has not been hand-ed down to posterity. Its construction was begun in 1472, and it replaced a former tower called the "Angel Stepple." a name bestowed on it because of the glided cherubim who was perched on the plnnacle. It is 255 feet high and 35 feet in diameter, but such is the dignity and stateliness of the design that it con-veys the impression of much larger dieys the impression of much larger dimensions, After Westminster Abbey and St.

After Westminster Abbey and St. Paul's, Canterbury Cathedral is the most highly prized of England's churches, both for its architectural beauty and its historic associations. It originated, it is said, in a church for-merly used by the Roman Christians, and which St. Augustine consecrated under the name of Christ's church, when he because Archbishop of Canter-

when he became Archbishop of Canter-'Phone 2093-x.

system. They solze, absorb, assimilate or carry away germs and poisons, and in health they transport drugs to the liver or marrow, while in disease they carry them to the centers of firritation. They can be depended upon to convey iron to the blood making organs, iodo-form to tuberculous lesions, and so on, as recent research has proven. as recent research has proven.

A reddish ring enclosing a whitish glare was seen around the sun after the kraka-toa eruption of 1883, and has been named Bishop's ring. Keen observers have noted a similar appearance in recent months. This ring had a diameter of 70 degrees

bury in 597. Enlarged some 350 yea later by Archbishop Odo, it was total destroyed by fire in 1967. Archbisho Lahfranc rebuilt it, but the choir w again whoily burned down in 1154, at to rebuild it a number of Freuch at English artificers were summon Among the former was one William Sens, who turned out to be a man real genius and to him the work w entrusted. He died, however, in 11 before the work was finished, but worthy successor was found in anoth William, this time an Englishman, at to him is due the completion of the isting unique and beautifu choir, it choir transept, and the corona or of the apse, which mides the

to him is due the completion of the sitting unique and beautiful choir, it isting unique and beautiful choir, it choir transept, and the corona or of cultr apper, which under the name. "Feckett's Crown," perpetuates it memory of the famous archibishop will was murchered in the cathedral. "Of the cowards that cat my bread there none will rid me of this turbule priest?" hastily exclaimed King Hem. It, wearying of his long quarrel will the soldler preiate and champion church supremacy. How four knigh overheard these hasty words and line pretting them as a royal mandate sto into the cathedral one evening and sit he archibishop before the altar of growthe and the cathedral one evening and sit he archibishop before the altar of a heavy bill of damages for instigate that sacriligious crime. Becket w canonized and his bones were deposition a splendid shrine in the cathedral married monare which for three centuries continued be the object of one of the great prication, quarreled with the pope of question of royal matrimonial right and privileges and determined to set as head of the English church himse He despoiled Becket's shrine, getting over a score cartloads of treasure the dawn, ensed his name from the cale day with the pote of the streasure the from the same and find the the market with the pope of the streasure the none, erased his name from the cale day of the English church himse he despoiled Becket's shrine, getting over a score cartloads of treasure the from the starts and ordered his bone from the cale day of the starts and ordered his bone from the cale of the starts and the start and the start and the start of the start and ordered his bone the start of the starts and the starts and

over a score cartloads of treasure that from, eressed his name from the cale dar of the saints and ordered his ben to be burnt and the ashes to be sca tered to the four winds. Whether this was really done no of can tell at this day. In 1888 a stone of 0n, with the remains of a skelat which some declared to be that of the martyred archbishop, was discover martyred archbishop, was discover in the crypt and reburied after caref examination. A curious mosaic pay ment still remains in front of the play where the shrine stood, and in the stor steps which lead up to it are deep he lows worn by the knees of counties pi grims who there resorted in the o days to plead for the intercession at favor of the saint, ----

A Very Close Call.

A Very Close Call. "I stuck to my engine, although s ery joint ached and every nerve m racked with pain," writes C. W. He lamy, a locomotive fireman, of Burlin ton, Iowa. "I was weak and pai without any appetite and all run dow As I was about to give up, I got a bo the of Electric Bitters, and after tal ing it, I felt as well as I ever did my life." Weak, sickly, run down pe ple always gain new life, strength ar vigor from their use. Try them, Sa isfaction guaranteed by Z. C. M. I. Dra Store. Price 50 cents.

Hair Specialists.

For ladies and gentlemen, Miss Chai lotte Lyngberg and Miss Carrie Leake formerly with- Dr. Nell C. Brow rooms 417 to 421 Constitution building

in August, 1962, but had diminished to degrees in December, 1963, although sa thement of contrast dust was expected in make it larger. Wonderful Nerve.

Is displayed by many a man enduring pains of accidental Cuts, Wound Bruises, Burns, Scalds, Sore feet (stiff joints, But there's no need for i Bucklen's Arnica Salve will ki the pain and cure the trouble, It's th best Salve on earth for Piles, too, 2% at Z. C. M. I. Drug Store.

general principles of art and the industrial requisites for all students of fine and manual art work will be given Special stress will be given to the edu-

cational values of art and manual

Motif and design will constitute the art work, and will be covered generally in six lessons upon each of the following subjects: (1) Object Drawing:

PROFESSOR EASTMOND.

Still life, pose, landscape (correlative)

-penell, charcoal, watercolor, chalk.

(2) Decorative Design: "Space filling,"

conventionalization, ornament. (3)

Construction drawing with pattern

making and construction will consti-

tue the manual training work. Six

lessons in the following phases will be given in a respective manner in this

course-connected with motif and de-

training:

Regular air-soundings, with kites and

Prof J. E. Hickman of the B.

The courses will be especially adapted for teachers and those wishing high



22

MANUAL ART AND

PHYSICAL SCIENCE

Teachers and Courses in Descret

Summer School at Logan.

TRAINING MADE PROMINENT.

Eastmond, Hickman, and Horne Complete the Faculty List-School Opens Next Monday.

A special feature of the training at the Deseret Summer Institute to be

held at Logan beginning next Monday and continuing for six weeks, is the department of art and manual

training. Care has been taken by the directors to secure talent especially

suited to giving practical instruction to teachers and others in this new de-

partment of school work. After much

investigation, the directors decided

upon Mr. E. H. Eastmond as the in-

itructor in this work, on account of the

nuccess he has achieved in this state

as an art instructor. Below are shown

some samples of his work. The courses

he will give in Logan are as follows,

having been especially planned for the

benefit of regular public school teach-

NATIVE WILLOW BASKETS.

These baskets, made from native willows, grasses, rushes, corn-husks and tree barks, represent the work done in basketry in the Utah county public schools during Mr. Eastmond's art and manual training supervision. The course given in the Descret Summer In stitute will embrace this line of work as one of the phases of handicraft.



TWO JAPANESE VESSELS WHICH HAVE BEEN DESTROYED.

The Japanese battleship Hatsuse, which was sunk by a drifting Russian mine near Port Arthur, was one of the most powerful fighting machines in the world. Her displacement was 15,000 tons, and her length between perpendiculars was 400 feet. Her main battery consisted of four tweive-inch guns in barbettes, fourteen six-inch quick frers and twenty twely-pounders Of lighter guns she had twenty. She also carried five torpedo tubes. The Yoshino, sunk in collision with the Kasaga, was a protected cruiser of 4,190 tons displacement. Her armament consisted of a large number of guns of light caliber. The Hatsuse is the upper vessel in the illustration.

Regular air-soundings, with kites and balloons carrying registering apparatus, are now made in the United States, Ger-many and Denmark, for gaining a better knowledge of the ai-mosphere and its problems. On a hill near Viborg, in Jutland, a two story tower, about 30 feet high, is mounted on rails so as to be revolved, one side being open and kept away from the wind. It is equipped with registering instruments, electric motor, two wind-lasses, etc., for starting kites, while oth-er buildings contain work shops, small balloons, steam engine, and accommoda-tions for the director and five assistants. Kites are flown with steel wire of 0.6 to 1.1 millimetre, and casily reach 200 yards in height but attain 3,000 or 4,000 yards in height but stead only by the use of a wire one kite was recovered at a dis-tance of 150 miles.

The origin of leprosy is becoming a mat-ter of dispute. The theory that calling de-composing or imperfectly cured fish is the gole cause is strongly supported by Mr. Jonathan Hutchinson, F.R.S. and he has been making trips to distant parts af the world to gain evidence on the sub-ject. He has learned, among other things, that India has about 3 or 4 cases of leprosy per 10,000 of the population, while the fishing island of Minlooy has to and fish-curing Kaligoan has 500. An opponent of this view, Frof. R. T. Hew-lett, points out that leprous tissues con-tain enormous bumbers of microhes re-sembling the tubercle bacellus which are nover present in fish, and that many facts, such as the decline of leproxy in Norway since segregation of the victims was begun, tend to show that the disease is spread by personal contagion. He sug-gests that the eating of bad fish may be a mark of a low civilization favorable to personal contagion.

The fact that compression or bending causes a substance to emit N-rays has suggested to M. D. Lepinay that vibra-tions producing sound should have the same effect, as the sounding body under-goes slight but rapidly-repeated strains. Experiments with a tuning fork, a bronze bell a large steel cylinder and a sizen proved this to be true, and the phos-phorescent screes showed that the ar-alse produces as well as transmits the rays. Another investigator, M. Meyer, has discovered a similar radiation in vegeta-ble tissue, the green parts of the plant giving the most intense effect.

The climate summary of the British empire for 1902 presents some interest-ing facts. The highest mean annual tem-perature was \$3.2 degrees at Winnipeg; the greatest mean daily range was 25.3 degrees at Coolgardle (West Australia), and the least was \$6 degrees at Hong-kong. The highest shade tomperature was 111.4 degrees at Adelaide in Febru-ary, and the lowest was \$6.1 degrees be-low zero at Winnipeg in January. The bighest temperature in January. The bighest temperature in January. The bighest temperature in the sun was 137 degrees at Trinidad. Colombo had 117 inches of rain, and Coolgardle only 14.7.

The new cancer treatment of Prof.

The new cancer treatment of Prof. Doyen, of Paris, depends upon injections of a toxin produced from micrococcus neformans, a microbe for some years past observed in rapid growing tumors from wounds. In cases where debility is not

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