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## THE DESERET NEWS.

## [For the Deseret News. CHEMISTRY AND PHYSICS.

## BY ALEXANDER OTT.

with the caloric. As remarked in a previous out his knowing it." dinary circumstances.

water, receive heat at the bottom, the lower of a neglected habitus. tirely changel.

radiation or the extending of heated particles tal career in an untimely grave. or volume. chimney, except in the kitchen. From the foregoing, the reader will easily were in force. places admit fresh air to traverse every point a law was enacted by a Sensultum, simply makes us ridiculous and a laughing public worship referred to. Figulus and other classical authors, the Ro- Tiber to receive the offal of the streets. lating apparatus. ments of their palaces in summer, cool air epidemic. from flower gardens, admit ed by means of so- • Tyrant from the Greek tyranes, signifi s originally is heaven? Were I to define it in one word, scr bed as being formed of it. umes of warm and pe fumed air. The Arabic authors Av rroes, the great commentator of Aristotle, and Al-Farabi the eminent polyglot, speak of similar arrangements among the Moors at the time that hey pean peninsula. to the different veins and arteries. the temperature is general y in every clime in ness to accomplish a purpose. They are fully neath the scorpion stings of conscience. birds it reaches as high as 109°. body, the process of calorification or of pro- | doright." earbon consumed. During the process of cal- him the joy does not consist in the position he the dizzy heights of ambition, nor yet amid-

I refer here especially to inflammation of the increase of avarice and desires. His life is lining membrane of the nostrils and wind- one long struggle; not for happiness, but

tract heat, and gather its particles, if such a animal and vegetable system are undergoing mould again each characteristic, and they re- stitious regard which in Christian countries woods, liquids and gases; and yet the latter, respiration of partilees of air, changes,-that ness.

oric to such a degree, that a rising of tem- as the most minute part of the bony becomes it was, but to properly enjoy it we must be guage of early literature, and with the symboperature with evaporation will speedily take affected, a though generally gradually. Hence come every day better and more wise. To lical character of holy writ. Sacred woods place, this however is not the case under or- the constant rapport or relationship b tween ever run to extremes, as many do, is no to en- and consecrated groves were attached to the organic bodies and the air, the effect of hurt- joy life, for enjoyment is a natural and calm temples of the ancient heathens, and continue Supposing a v-ssel of a certain size, full of fulgases on the system and the fatal results feeling, foreign from the excitement and tur- still in most Pagan countries, and were and

strata of that fluid become directly lighter, Whenever I see a frail, weak constitution, judgment. Wisdom seeks this enjoyment, not crafty and the grave of the credulous. The and rising to the surface their heated particles which by its cl ar, transparent complexion, for the purpose of being counted wise by the Mahometans consider it sacrilege to destroy a circulate in every direction of the vessel, and bright flush-spots on the cheek, especially on multitude, and rising in the estimation of fine tree, and prefer praying under very old thus the temperature of the water becomes en- the left check, the peculiar brilliancy of the others, but for the pure joy to which it gives trees to the neighboring mosque. The few eye, is predisposed to that fatal, horrible rise. Contentment in obscurity is preferable cedars remaining on Mount Lebanon are pre-For as rays of light need a focus or gather- scourge ca led consumption, I am pained that to honor or fame in public, where often the served with a religious strictness. On the day ing place, in order to make an impression on such a person should neglect himself so much station stifles the real sentiments of the heart of the Transfiguration the patriarch repairs the retina of the eye, and thus produce an im- as to disregard transitory chills or shiverings, which would otherwise find an exit. age, so the caloric needs a place in which difficulty of breathing, and thus end his mor- I can conce ve no situation in life more tor- festival, called the F ast of Cedars.

each cavity or pore forms a resting place of purity of the blood and consequently the in which no confidence exists. Confidence is traced in a measure to the use of its wood in that wond rful element called heat, and the healthy condition of the b dy depend upon the mainspring of action-the bone and sinew the construction of ships, and also to its shelgreater the power of conduction of these the quality of the air inhaled. Even to a su- of life, guiding all our ac ions, and is subser- tering King Charles among its branches in the pores, the greater consequently the accumu- perficial observer, the effects of foul, delete- vient to anything but will. To cultivate this day of his adversity, yet it has a deeper reverlation of the caloric, and the greater the en- rous gases on the animal system will be evi- faculty we must have confidence in ourselves, ence, which has come down to us from the tire change of temperature of a certain body dent. But, nevertheless, few people seem to for wherein we lack this we are sure to fail. ancient Druids, whose tabernacle was an oak realize the neccessity of having that comfort To call all men dishonest because we are, tree. The misletoe, from growing upon the Upon this principle, heated water and air in their houses which will guarantee safety to would be to write fool to our names and trum- loak, partakes of a sacred character, and it is ere extensively used as media of warming life and longevity; else we would not otten pet forth our shame. To suspect all of evil considered that Isaiah alludes to this plant, apartments, in Germany, where among the find small, badly-ventilated rooms with a low evil intentions is to show that we harbor evil which he makes symbolical of the Messiah. latest improvements of an elegant and com- ceiling and a sufforating heat caused by the towards others, and that, were it not for the Deborah judged Israel under an oak tree. Our for: able mansion, are found metal pipes with- injudicious management of iron stoves, while ignominy attending disc verywe would launch Christmas tree, which is such a source of dein the walls and communicating with the exhauations produced by the promiscuous forth in a career of crime with no moral stam- light to juveniles even in our own day, had its different parts of the buildin ; thus perhaps crowding of from eight to ten persons in one ina to resist its encroac ments. forty rooms are warmed from one giv n point apartment, and of so offending a character If we pretend to have virtue, why should we the Christian era. Every reader of the Bible

pipe, and the ramifications of the latter, oc- against it. Perbaps the crushing hand of ad- Nearly all nations have had at some time a casioned by exposure to sudden changes of versity grasps him in its remorseless power, sacred shrub, free or plant, and appear to have temperature. But how often are not the pre- and the labor of years is dispersed in an in been guilty of a species of idolatry in wormonitory symp oms disregarded, and the pa- stant. Then comes his misery. Having spent shipping it. It is even conjectured that the In order to have an equilibrium of heat in tient, to use the emphatic language of Samuel his life in the pursuit of a fleeting phantom adoration of idols sprung from this practice, bodies, their conducting power must be a ike, Warren, the author of the diary of a late which eludes his efforts, he has unnatural de- the idol being made from the wood of the saso that the cavities or por s are equal y filed physician, "is on the threshold of death with- sir s acquired by this profitless pursuit, which cred tree. In the Scriptures we read of the he can no longer gratify. It is too late (if it Tree of Life," the "Tree of Knowledge of article, metals are far better adapted to at- As remarkes in a former article, both the is ever too late), to reform his character and good and evil." Dr. Barlow says the super-

term may be applied, in a focus than stones, every moment, even by every inhalation and main as thorns to irritate and dispel happi- has been shown to certain trees, while it ad-

in every direc ion may be accomplished; thus It is of great importance to know that the the noble and five feelings of the soul than that | ence for the oak, and though this may be

## SACRED PLANTS.

mits of explanation, points us to a primitive when in a certain condit on, conduct the cal- is, changes of a chemical nature, inasmuch Some say that life was given to enjoy. So practice in harmony with the figurative lanbulence which springs from an ill advised are the terror of the timid, the refuge of the in procession to these trees, and celebrates a

turing to the heart or more destructive to all In England there was a mysterious reverorigin in Egypt, and was used long prior to in the basement, without ever using a stove or meet you on entering such a hovel, that one not practice it? To ever talk of a principle will remember the sacred groves; the first temalmost wishes the Lex Cloace of the Romans and never practice it is a shame to what man- ple mentioned was the grove which Abraham bood we possess, and tends to retard our after planted at Beersheba. Such, it is conceived, perceive the facility of obtaining an equal In order to impress the importance of clean- progress. Others have observation as well as was the origin of the Druidical groves of this iemperature throughout the largest building, liness upon the public min i by removing foul ourselves, and to boast of our superior excel- country, and in Scandinavia and Germany, while at the same time, valves at different | air from houses and crowded neighborhoods, lance, and then not to accomplish anything, which in ancient times were the only places of of the house, and thus the accumulation of that everything impure should be removed stock for our friends. Have not all their hopes Tradition has handed down the following noxious gases like the carbon is prevented. from the domiciles of Rome, while at certain too? Have not all their desires? Life is a race figurative fable from the Edda of Woden-According to Horace, Livy, Pliny, Cajus places canals were dug, and watered by the in which emulation leads us, and in which vir- that the court of the gods was held beneath tue should ie our ai.o. Emulation would not a miraculous ash, whose branches cover the mans were extremely fastidious in the ar- In places impregnated with impure air, cause us to envy the superior success or ex- surface of the world, and whose summit rangement of domest c comfort, their houses miasma, a kind of atmosphere particularly cellence of a brother, but it might cause us to touches the heavens, whilst its roots descend and baths, that is those of the Patricians, adapted to be the hot-bel of various diseases, redouble our own exertions, to string each en- to the regions of Pluto. An eagle constantly were well provided with a warming and venti- such as cholera etc. is readily generated. In ergy we possess to the tenseness of a deter- reposes on the tree to observe everything. fact the chemical influence of deleterious mined purpose-a purpose in the accomplish- whilst a squirrel ascends and descends inces-The Greeks, as mentioned by Strabo. one of gases upon the human system is so great. that ment of which there is no swerving from right sant'y to make the report. Beneath one of its roots runs a limpid fountain, where wisdom is likewise exceedi gly fond of having their posed to or infected with certain maladies. Some minds grasp at truth intuitively, as it concealed; it communicates with a neighboring bouses well warmed an i ventilated. Some of Thus obnoxious effluvia may be conveyed from were, und rstand principle by instinct, almost, spring, in which is found the knowledge of all the Tyrants" of Athens had into the apart- one person to the other, and often produce an yet this lightning rapidity of deduction should things to come. The Edda of Woden holds never discourage us in our endeavors. What | the ash in so high veneration that man is decalled ventilating towers, and in winter, the usurper of a throne. Some of these megitimate ru- and that to be of the standard of human com- The Greeks devoted their terrestial groves. through earthen pipes or caleducts, embedd d lers were good men, but as in the course of time in the prehension, I should say it is happiness, su as well as celestial gardens, to the gods; but in the walls, while the hypocaust or fireplace connected with unjust, cruel actions, tyrants denoted at preme happiness. Every human being-every the Mahometans reserve their flowery lawns in the vaults below was breathing forth vol- stater period of the Grecian era men who would be ca- one that possesses a soul, will at once say, we and umbrageous bowers for scenes of future

the best authorities in such matters, were frequently while generations become predis- or from principle.

character of such individuals, usu pation was frequently pable of the greatest atrocities. ----

> [For the Deseret News. HAPPINESS.

seek happiness; yet in how many myriad of bliss. ways will they do so. No two views life in The cypress has been the symbol of sorrow

they seek happine s in the same manner. If we philosophize upon life, we can but de- god of huntsmen, from his supposed residence ruled over the greatest portion of the Euro- Life is like the sea, and man, if he has no duce from its mysteries one ru e-that man is in woods of that tree. object to pursue, is a wave upon its broad bo- the founder of his own fortunes, subject to the The peach tree was sacred to Harpocrates, The importance of an equal and pure tem- som. If you would be successful you mut dispensations of a higher power. Happiness the god of silence. The Tabernemontana perature in apartments, is well known not picture in your mind some object wo thy of is more innate than existent in extraneous coronaria of botanists is held sacred by ceronly to physicians, physioligists, but to every obtainment, and then point your life-compass wealth, and they who roam from zone to zone tain Indian tribes, who believe it to be the close observer of the human system. The by its bearings, and stead astly, unflinchingly in search of it, who encounter the dangers of a tree which bore the forbidden fruit. blood (sanguis), the vital element from which bend your cours towards it until the object is thousand scenes of daring adventure, whose In Arabia, Africa, China and India we find the animel body receives its nutriment and in your possession. We all know hundreds, whole life is one search for excitement, would certain trees still worshipped. The sacred growth, and without which food cannot be and I might say thousands, whose lives are find it far more to their advantage did they trees of China are Cuppressus funebris and converted into the particles assimilating with fruitles and totally void of interest to others rouse each latent energy for the conquest of Illicium religiosum. In Malabar the flowers the somatic, is much influenced by the air and or themselves; and the reason of this is the themselves. How great, how morally grand of Ixora are offered to Iswara, one of their gases conveyed through the respiratory organs lack of a suitable object upon which to expend would that man be who could really, and at all idols, and the genus is named after him. Nethe accumulating energies of manh od. times, look upon wealth, power, pleasure- lumbium speciosum is a sacred plant in Japan, By a wise law of the Creator, the tempera- The more noble, the more intellectual the pleasure such as the world seeks, but as dross and the images of their idols are often drawn ture of a great many animals such as the object is, the more happifying will it be in its before the superior charms of deity, of the sitting on its large leaves. vertebrated and mammalia appears to be a influence upon his joys. We should discard calls of virtue and of wisdom. Such a course The Japanese place bundles and garlands of little higher than that of the atmosphere and selfishness, for it is no part of a noble nature. certainly brings a superior happiness to that the flower of I licium anisatum in their temples changes with it. The heat of the blood which It is a low, grovelling passion. the off pring satiety which follows the gratification of the before their gods, and use the powdered bark in the above mentioned species of beings is of of little minds and weaker spirits. The truly grosser passions; duty cannot be slighted and as incense to their idols, and burn the seeds of a red color, seems to depend upon the degree great walk forth in the energy of manhood, the aggressor escape punishment, nor will he I. religiosum as incense in their temples. of activity of the respiratory organs. In man, fearing no difficulty and yieldidg to no mean- whose life is virtuous ever flee or cover be-The genus Thuja or arbor vitæ, derives its name from Thyon, a sacrifice; the wood giva sound state of the body, 98° Fah., but in conscious of their own worth and the value of Reason, then, tells us contentment is the ing out an agreeable perfume, was used as in their integrity, yet they are not vainly proud. foundation upon which happiness rears her cense in Eastern sacrifices. Passiflora, Pas-The difference of the c bric in fishes, They never cherish their knowledge and keep superstructure, and, when founded upon any- sion flower (from passio, suffering, and flos, a snakes, man and birds, is evidently origina- selfishness aloof, but the wisdom they glean thing ese than self government, it cannot flower, referring to the parts of the dower ting in the greater and smaller development of from the wide experience of life they freely stand permanent and secure against the winds being likened to the circumstances of Christ's the respiratory organs; in birds, for instance, impart to others, and follow for their guide and the waves of an adverse fate. Resigna- crucifixion). where they extend over a large portion of the and standard of right, "It is never wrong to tion! Even the Pagan philosophers incu cate Several genera of p'ants have been named that principle, and shall we not cultivate it? after heathen divinities, as Tagetes, af er Taducing heat, takes place under a temperature Two men may start in life-one of nobleas- But it should not be the resignation of inac- ges, the son of Genius, and grandson of Jupi-12° higher than that of man, while in fishes, pirations, whose secret heart despises the su- tion, of imbecility, as will the querelous com- ter, a Tuscan divinity; Adonis, after Aconis reptiles, &c., the blood, on account of perfluities of life, but whose soul is keenly plaint of ill nature, of fancied wrong; they are of the cassics; Atropa, after one of the Fates; the important respiratory organs is coll, alive to the value of wisdom and experience as harmless; it should be the resignation of Silene, after the god Silenus, who is represenhence they are called cold-blooded anima s. Trials he takes as a matter of course, as a manhood, of persevering, energetic hope, of ted as always drunk and covored with saliva, That a pure well-proportioned atmosphere means of learning him more deeply the differ- trustfulness in divine protection, of ardor as the species of this genus usually are with a is essential to the health of the animal sys- ent phases of life, and opening to his view the seeking wisdom, and of the laborious toil of viscid secretion; Helenium, after the celebrated Helen, who is said to have used it as a cosof heat disengaged by combustion, is always philosophy to the contrary, that his spirit can Then if we wish happiness we must seek metic, &c. -[Scottish Farm r.

the same light, in all its varied phases, nor do and the funeral tree of all countries where it grows. The fir was dedicated to Pan, as the

tem, is evident from the fact that the amount superior excellence of contentment, proving, industry.

in proportion to the quantity of hydrogen and accommodate itself to circumstances. With her, not amid the flowery paths of pleasure,

orification, the oxygen of the atmosphere occupies, but is within, and is a part of him- the gittering treasures of a Croesus: but on A DIFFERENCE .- A Catholic once said to unites with the carbon and hydrogen, and the self. No exterior or extraneous distresses can oft times rugged path of duty, amid the hevels another who had taken the plece and re-result is, water and carbonic acid. Hence in disturb his inward peace, and, wherever he of poverty, in the pathway of abnegation and ceived a medal from Father Mathew, "And badly ventilated and crowded apartments, the goes, and wherever he suffers, he still has the of self-conquest. Happiness dwells in the so you have signed the teetotal pledge, have carbon will in consequence of foul air accu- same holy calm pervading all his life, and mind: the palace cannot receive it any sooner you?" mulate, while the quantity of oxygen d crea- tinging with the mellow light of confidence his than the cottage The sceptre is as impotent "Indeed, I have; and I'm not asham d of it as the artizan's implement, aye, and a thou- ei ber." ses, and the temperature of the room is every act. changed to a degree which will frequently put Another starts upon his life-long journey sand times more so, for fear often crushes it "And did not Paul tell Timothy to take a the human body in a state of perspiration, so with far different intent. Go'd is bis object. out of the ruler's heart, and tyranny usurps its little wine for his stomach's sake?" that on reaching the open air the blood be- From morn till night, and from night to morn rightful home. Seek it, then; seek it. It is "So he did, but my name is not Timothy, comes suddenly chilled which may result in again, he thinks of go'd and figures. He gains within the reach of all, it is equally theirs -- if and there is nothing the matter with my OBION. |stomach." colds of a most fatal character. his object, and at the same time has gained an they earn it.

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