

EARTH PASSED THROUGH CORONA

Professor Snyder of Philadelphia Explains Recent Great Auroral Display.

THEORY OF HYDROGEN PARTICLES

Phenomena is But Logical Result of Explosive Eruption of the Electric Hydrogen From the Sun.

Philadelphia.—The earth was passing through the outer confines of the corona or exterior envelope of the sun on the night of March 22, when the inhabitants of the northern portion of the United States witnessed the great display of the aurora borealis, says Professor Monroe B. Snyder, director of the Philadelphia observatory.

The astronomer, in a statement to the Associated Press, says that the universal force of radioaction "on the earth" hurled the final atoms of an explosion, namely, electrified hydrogen, and probably helium, straight to the earth.

Passing Through Solar Corona, Professor Snyder's observations follow.

The recent aurora is a fine indication of the explosive atomic disintegration which takes place at the surface of the sun and is responsible for prominences, spots and corona. The discovery of the magnitude and atomic order of the explosion of the chemical elements in the sun, in the stars generally, leads to the explanation of the aurora and the accompanying magnetic and electric forces which are beyond any doubt to their validity.

During the hours of the night of March 22 the earth was, in a very real sense, and to the delight of us passing through the outer envelope of the solar corona. The same universal force of radioaction which integrates the atoms in stupendous flames, Kratons, or Mont Pelees, the sun, and produces the hydrogen coronal streamers, then also hurled the final atoms of that explosion, namely, electrified hydrogen, and probably helium, straight to the earth.

Phenomenon Explained.

Only within about a month of the vernal, or autumnal, is the earth in an orbital position to be thus successfully bombarded. The moving electric hydrogen is, of course, an electric current and is, therefore, carried toward the poles of the earth and held there by the earth's magnetic field. The fascinating colors of the aurora are due to the changing excitation of the hydrogen and oxygen gases. The theory of Vegard, a Swedish physicist, which has explained the wonderful curtains of aurora as due to hydrogen particles, of positive electric charge, is now shown to be unquestionably true in that it is a logical result of the explosive eruption of the electric hydrogen from the sun.

The well-known delay, or lag in time, between the solar eruption and the appearance of the magnetic storm accompanying aurora on the earth, of about forty-five hours, is due to the time taken for the hydrogen atoms to travel from the sun to the earth. The rate of travel is about 575 miles per second, somewhat in excess of the rate of upward movement of the gases in the atmosphere of the great solar prominences. The numerous and complex details of the auroral phenomena are found to receive, for the first time, a reasonable explanation. Additional confirmation of this explanation is given by the fact that our discoveries also show that all the elemental atoms, and particularly the explosive hydrogen, are structural products of hydrogen.

THESE FORM 15 REGIMENTS

Eleven and Browns Eight in American War Army, War Records Show.

Washington—Smiths made up fifteen regiments in the American war army, Johnsons made up eleven more, and eight and Williamses, Joneses and Millers made up more than seven

records at the bureau of war risk insurance, where the names of 4,622 former service men are indexed, show that the Andersons and their families were represented in eleven regiments, the Williamses in five regiments each and the Willmores and Taylors four each.

"Belled Buzzard" Ranges North. Bellah, Ind.—The famous "Belled Buzzard" which has been seen in different parts of the South for the last few years, has finally reached as far north as Indiana. Carl Taylor of Ellettsville, saw it recently. The buzzard has a bell, apparently like the one used on sheep, fastened to its

feet to enforce the law.

Illinois.—When Constable George Holland gets a paper to serve he goes in serving it. A judgment of \$100 against the Erie railroad was handed down by the court. He chained an engine to the rails until settlement was made. Now the Erie has won suit against Holland's bondsmen for \$100 for tying up the engine.

NO SYSTEM CAN BEAT BANK

But a Certain Old Lady Surely "Threw a Score" into the Monte Carlo Authorities.

Lord Rosslyn, and other frequenters of Monte Carlo, who are said to be racking their brains to invent a system to "beat the bank," may as well save themselves the trouble, for, as M. Blanc, founder of the gaming tables, once truly said: "Red wins sometimes, black often, but Blanc (white) always, and in defiance of every system human ingenuity can devise."

"There never has been a system," the directors said to an interviewer not long ago, according to London Answers, "which has given us a moment's anxiety—save one, and that one 'system' was the discovery of an old lady who had frequented the tables for years. She had noticed that at roulette certain numbers always followed each other. Thus, if the croupier spun with the number nine opposite him, 20 was certain to be next; and if zero was in the same position, 32 would surely follow. After checking her observations day after day, she began to play, and won—won in all 300,000 francs, breaking the bank three times. The officials were in despair. M. Blanc was summoned from Paris, and, as a desperate resource, he persuaded the old lady to part with her secret for 70,000 francs down.

"The secret was absurdly simple after all. The roulette wheel had become warped by the heat, and was not quite round, so that when spun from a certain point, it invariably stuck at a certain other point."

TURKISH MOSQUE ON WHEELS

Enabled Pilgrims to Mecca to Conduct Their Devotions While on Way to Holy City.

The "chapel railway coaches, with seating accommodation for 95, now fitted to certain long-distance expresses in America, are not entirely a novelty.

A "mosque car" used to be run on the railway built 15 years ago between Damascus and Mecca the capital being subscribed mainly by pious Mussulmans. All the rest of the rolling stock was obtained from countries outside Turkey, but the mosque car was built in Constantinople.

It was externally distinguished by a minaret about eight feet high projecting from the roof; the walls were inscribed with verses of the Koran, and at one end a large compass was hung, indicating the direction of the holy city.

Pilgrims to Mecca were thus able to conduct their devotions with full pomp and ceremony during the three days' journey from Damascus.—London Tit-Bits.

Electricity to Locate Oil.

New uses for electricity are constantly appearing. One of the latest is the detection of crude oil in the earth instead of boring for it. It is stated that crude petroleum has been located electrically in the shallow oil field near Corsicana, Tex., and that further tests are being made around Burkburnett. A series of batteries is used for the test, the negative terminal being connected to a wire which is dropped into a dry waterhole, valley or indentation, and the positive terminal being connected to a "land wire," which is used to make contact at various points on the surface of the field investigated. It is stated that the higher electrical resistance of oil compared with other constituents of the earth, permits it to be located by the reduced deflection of a sensitive instrument in the circuit.

Pulp Yields 20 Commodities.

Twenty commodities manufactured from near-silk made from the pulp of fir, spruce and hemlock are being exhibited by the West Coast Lumbermen's association in Portland, Ore. The exhibit was prepared in the United States forests products laboratory of the University of Wisconsin and is being sent to all parts of the country for inspection. The commodities include silk cloth, silk stockings, gunpowder, paper absorbent (a substitute for absorbent cotton), paper bagging, rope and twine, linoleum, shingles, reed fiber for furniture and matting, paper lath, rug yarn, paper webbing and phonograph records.—Indianapolis News.

War Brides Awary.

Incompatibility of American and French customs has caused 12,000 of approximately 50,000 French war brides to return to France, according to Mrs. Reginald H. Johnson, president of the recently organized L'Espoir Franco-American club in Pittsburgh. The club, formed at the suggestion of Mlle. Odette de Bouillon of Paris, who was in Pittsburgh recently, is expected to broaden the interests of French girls who became the brides of Americans overseas, and to make them contented in their new homes.

Pictures Show Effects on Tires.

Slow motion pictures of the type that have amused movie fans by slowing down swiftly moving bodies to the point where every action may be analyzed have been utilized by a tire company for a scientific study of just what happens when a heavily loaded motor truck climbs a curb, drops off an elevation or bumps over a railroad track. This is the first time this very valuable form of photography has been used by a tire company. Among the questions the pictures will aid in solving are the effects of heavy blows on highways, trucks, loads and tires.

IS WONDERFUL SINGER



Princess Ishma, daughter of Chief Ponowsky of the Cherokee Indian tribe, has remarkable singing and instrumental talent. She was overseas for eight months entertaining the American expeditionary force.

STORK WINS OVER "REAPER"

Census Shows That Births Exceeded Deaths by 34.4 Per Cent in 1918.

Washington—Births in the registration area of the United States, which covers about 53 per cent of the country's estimated population during the year 1918, exceeded deaths by 34.4 per cent.

Statistics for that year just completed by the census bureau show a total of 1,363,619 births in the territory included in the registration area, which is a small decrease compared to 1917, while the deaths, 1,014,620, show a slight increase.

Of every 100 infants born during 1918, the figures show, ten died before reaching the age of one year, a fractional decrease over 1917. Mortality rates among male infants was 23 per cent greater than that for female infants.

The births of 15,342 pairs of twins and 147 sets of triplets were reported. The order in which the births were recorded ran all the way from 345,027 cases of first-borns to 58 cases where the birth reported was the twentieth or more child.

DOCTOR OUT-TALKS ROBBER

Emerges From Encounter Unhurt, Though the Thief Was Armed.

Chicago—Dr. E. C. Dudley of 242 East Walton place outtalked a man who attempted to rob him, saved his valuables, and emerged from the encounter unhurt, though the robber was armed.

The man approached the doctor near his home as he was returning from a call to see a patient, and ordered him to hold up his hands.

"You shouldn't do this," the doctor said. "Don't you know if any one catches you after you shoot me it means you will be hanged?"

"Hold up your hands and give me your money or I will kill you," the man replied.

"Oh, no, you wouldn't do anything like that."

"Well, then, lie down on the sidewalk and I will go through your pockets."

The revolver shook in the robber's hand. He waited a minute and when the doctor refused to hand over his money, turned and fled.

Cost Man \$26 to Propose and Be Accepted by Phone

Arthur Manchester of Oakland, Cal., has entered the modern suitors' class through his proposal of marriage over long-distance phone to Miss Clara Snyder of Hannibal, Mo. Oakland is 2,200 miles from Hannibal, and the call cost Manchester \$26. The girl accepted.

Turkey Farm.

Cummins, N. D.—Mrs. Alice Pudil, who in 1919 made \$750 raising turkeys as a side line, has decided to start a turkey farm near here and devote all her time to the fowl. Mrs. Pudil feels that if she can keep house on a 1,700-acre ranch, cook for 22 men and board the "district school-ma'am" and make \$750 in her spare moments with turkeys, there should be much profit in being a full-time turkey farmer. Mrs. Pudil claims the turkey is the best protection against the grasshopper pest, which threatens to become formidable this year.

WILL MAKE THE RACE

C. W. Birchmore Announces Himself for Superintendent of Education

Mr. C. W. Birchmore, who filled the office of Superintendent of Education of Kershaw County, for one term announces himself as a candidate at the approaching primary for this office again. The card as it appears in this week's issue of The Messenger is as follows:

"I have been approached from time to time with reference to entering the race for County Superintendent of Education at the approaching primary election. More recently I have been asked by a number of friends to announce myself. I have been hesitating about doing so for the reason that I had not intended engaging in politics at this time, but the requests coming to me have been of such a nature that I have thought seriously of them, and feel that I should respond to the wishes of my friends. I therefore will enter the race. In doing so I am fully aware of the responsibilities the position carries. The feeling of unrest which has followed the termination of the great world war, and the necessity for a proper adjustment of affairs, depends more largely upon the right direction of our educational interests than upon any other single agency. The necessity of carrying into the school room a high standard of morals that the youth of our state and county may be rightly guided in order that they may be fitted for the tasks before them are essential elements in the educational work of today. Thus equipped they will be in a position to do their part in the proper reorganization of the somewhat disorganized conditions that confront us at this time. It is imperative that right influences be exerted in the educational work of our county, state and nation. To this task I shall, if elected, exert whatever efforts I can command. In this my experience in the educational development of our county will serve me well. My record is before the people of the county. It is for them to say what it has been in the progress of our schools.

"With full appreciation of the cordial proffers of support and the assurances of confidence in my earnest efforts to advance the educational interests of our county, and relying upon the generous support of the voters throughout the county, I am,

Yours Sincerely,
C. W. Birchmore."

Mrs. William Gates, sheriff of Stephens County, Oklahoma, is the first sheriff of the Southwest.

Housewives in Indianapolis have put a ban on candy, ice cream and other luxuries that require sugar in their preparation.



The Cletrac Way Makes Farming Pay

Saving time means saving money. There is a much difference between Cletrac farming and the old way as there is between the speed of the aeroplane and the sloth of the ox cart. The Cletrac saves two ways—saves time, saves labor.

When you want a quick job of plowing, harrowing, seeding, haying, harvesting, hauling, log snaking, wood sawing, road building or any kind of belt work, you can depend on the Cletrac.

Why waste time with mules and trifling, high priced labor when the Cletrac will get your farm work done better, quicker and cheaper?

We will be glad to show you, right on your own farm, a number of ways in which the Cletrac will save you time and money. Just drop a line to

Carolina Tractor & Truck Co.
1214 Assembly St. Columbia, S. C.
ALEX G. CLARKSON, Box 38, CAMDEN, S. C.
Sales Manager for Lee, Sumter and Kershaw Counties.



Do Yours Look Like These?

Ruddy-cheeked, vigorous, healthy youngsters—sickness never troubles them. Their glowing health is a joy to everyone.

Nourishing food keeps their little bodies sturdy and strong, but the waste product of this food is dangerous, if not gotten rid of thoroughly and effectively.

Nujol is particularly valuable for relieving constipation in children as well as in grown-ups, as it does not upset the stomach, cause diarrhoea or form a habit.

Nujol works on an entirely new principle. Instead of forcing or irritating the system, it simply softens the food waste. This enables the many tiny muscles in the walls of the intestines, contracting and expanding in their normal way, to squeeze the food waste along so that it passes naturally out of the system.

Nujol thus prevents constipation because it helps Nature maintain easy, thorough bowel evacuation at regular intervals—the healthiest habit in the world.

Nujol is absolutely harmless and pleasant to take. Try it.

Nujol is sold by all druggists in sealed bottles only, bearing Nujol Trade Mark. Write Nujol Laboratories, Standard Oil Co. (New Jersey), 50 Broadway, New York, for booklet "Thirty Feet of Danger".

The Modern Method of Treating an Old Complaint

Nujol For Constipation

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