

# EXPLANATION OF AURORA MADE BY SCIENTIST

## Atomic Disintegration in Sun Responsible for Phenomenon

### BOREALIS TIME LIMITED

### Depends Upon Relative Positions of Sun and Earth

PHILADELPHIA, March 30.—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 aurora in the skies, says Professor Monroe B. Snyder, director of the Philadelphia observatory.

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

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 its prominences, spots and corona. Our discovery of the magnitude and precise atomic order of the explosion of the chemical elements in the sun, and in the stars generally, leads to the conception of the aurora and the accompanying magnetic and electric storms, which are beyond any doubt as to the validity."

"During the hours of Monday night last, the earth was, in a very true sense, and to the delight of us all, passing through the outer confines of the solar corona. The same universal force of radiation which disintegrates the atoms in stupendous localized Krakatoas, or Montpeliers, on the sun, and produces the hydrogen of the coronal streamers, then also hurled the final atoms of that explosion, namely, electrified hydrogen, and probably helium, straight to the earth.

"Only within about a month of the equinox, 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 it therefore carried toward the poles of the earth and round them by the earth's magnetic forces. The fascinating colors of the aurora are due to the changing electric excitation of the hydrogen and other gases. The theory of Vegard, the Swedish physicist, which has explained the wonderful curtains auroras as due to hydrogen particles, of positive electric charge, is now shown to be unquestionably true, in that it is but 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, and accompanying aurora, on the earth, of about 45 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, or somewhat in excess of the rate of the upward

movement of the gases in some of the great solar prominences. "The numerous and complex details of the auroral phenomenon are found thus to receive, for the first time, reasonable explanation. Additional confirmation of this explanation is given by the fact that our discoveries also prove that all the elemental atoms, so wonderfully explosive in the stars, are structural products of hydrogen."

## WARNING IS GIVEN HUNS BY FRANCE

(Continued from page 1)

eris those dispositions insufficient to insure the protection of Europe. In conclusion:

"The situation created by the offensive of the German troops in the Ruhr obliges the French government today to consider military measures, the execution of which cannot be deferred. The sole object of these measures is to bring Germany to due respect of the treaty and they are exclusively of a coercive and precautionary character."

### Ruhr Fighting Continues.

BERLIN, April 5.—The government forces have lost 200 men killed in fresh fighting in the triangle formed by Duisburg, Dortmund and Essen, according to official information given the correspondent this morning. Except in this triangle, quiet gradually is being restored in the Ruhr district.

It is estimated that at least two weeks will elapse before conditions are normal. The assertion was made today that the military employed in the Ruhr region, with the exception of a few additional batteries, does not exceed the force authorized by the peace treaty and that these troops will be withdrawn as soon as order is restored.

It is declared that the entente up to the present has expressed no opposition to the government's military measures in the Ruhr region, although the French have continued their attitude of protest.

### Hun Efforts at Paris Fail.

PARIS, April 5.—Dr. Goepfert, president of the German peace commission, called on Premier Millerand this evening with the object of trying once more to reassure him as to the character of the German operations in the Ruhr, which, it is said in German circles, will be finished within a week and seek to persuade the premier to forego application of military measures.

Dr. Goepfert, it is understood, made no impression on M. Millerand.

## "Ten Cent" Woolworth's Widow Seriously Ill

NEW YORK, April 5.—Mrs. Jennie Woolworth, widow of Frank Woolworth, founder of the Woolworth five and ten cent stores, is seriously ill at her home on Long Island and little hope is entertained for her recovery, according to affidavits filed in the supreme court here today by her physician, Dr. William H. Zabriskie. The court approved a report of referee, Carlisle Norwood recommending the appointment of her daughters, Helen Woolworth McCann, and Jessie Woolworth Donabue as co-members of the committee of their mother's estate which is valued at approximately \$20,000,000.

## Silver Falls Company Men Out on Sympathy Strike

PORTLAND, April 5.—Employees of the Silver Falls Timber company, operating near here, struck today following the charge by union leaders that the company had discharged about 40 men because they had joined the union. The strikers said about two-thirds of the company's employees had joined the strike. Company officials declared the disturbance was not serious.

## TIMBER WORKERS GET UPPER HAND

### Mill Laborers Strike at Silver-ton; Salem Men Address Mass Meeting

There was a strike of timberworkers in the mills of the Silver Falls Timber company at Silverton yesterday, according to reports reaching Salem, because of refusal of Manager Woodward to recognize the Timberworkers' union. It is further reported that as a result of a mass meeting held there last night the Timberworkers' union will effect a thorough organization of the workers in the mills and the affiliated camps. The trouble was another clash between the union and Loyal Legion of Loggers and Lumbermen.

### Salem Men Invited.

As a result the Silverton workers asked for a representation from Salem at the meeting last night. L. J. Simeral, president of the Salem Trades and Labor council, attended as a representative of the unions here, and Walter A. Denton as a representative of the business men. It was said the Silverton business men were desirous of receiving enlightenment.

The Salem men told their audience that the Timberworkers' union is 210 strong in Salem, that the union stands well with the Salem business men, that there is no discord in the Salem mill, that C. K. Spaulding has stated that the output of the mill has increased 25 per cent since the workers organized and that he has voluntarily made an increase in wages.

### Union Reported Growing.

It is reported that as a result of efforts of the Timberworkers' union to organize at Silverton 40 men were laid off Saturday night. Yesterday a committee of the workers waited on Manager Woodward and demanded the reinstatement of the men. It is stated that he refused and said he would not tolerate the union, claiming it was largely made up of I. W. W., and that the result was a strike.

Seventy-five new members are reported to have been taken in by the union at Silverton yesterday.

### Kansas Mine Workers Protects Wilson Award

PITTSBURG, Kan., April 5.—Alexander M. Howat, president of District No. 14, United Mine Workers of America, announced tonight that between 1500 and 2000 miners in Crawford and Cherokee counties, Kansas, struck today as a direct protest against the recent wage award of President Wilson's coal commission.

Mr. Howat characterized the award as an "outrage." He asserted the strike was purely voluntary on the part of the miners.

### Honest Man Claims Seized Booze as Own

PORTLAND, Ore., April 5.—A. Goodwin of San Francisco today walked in to the office of Charles Reames, assistant United States Attorney for Oregon, and announced that he was the owner of a large amount of wines seized by federal prohibition officials here last week. He was taken to the federal court, where he pleaded guilty to violation of the Reed amendment and was fined \$500. H. J. Jones had previously been fined a similar amount upon pleading guilty to a similar charge after the wines were found in his store here. Goodwin said the wines were owned by him before national prohibition became effective and that he shipped them here from his home in San Francisco.

## Fight to Come in House on Peace Bill

WASHINGTON, April 5.—Republican and democratic leaders of the house began rounding up their forces today for the big fight Thursday over the joint resolution put forward by republicans, declaring the war with Germany ended. Telegrams were sent to absent members to return in time to vote on Friday.

## Petition for Henry Ford Not Accepted in Pennsylvania

HARRISBURG, Pa., April 15.—Nominating petitions intended to place the name of Henry Ford of Detroit, Mich., before the voters of Pennsylvania as a candidate for the presidential nomination at the May primary were rejected by the secretary of the commonwealth today because they did not give the name of any party and failed to comply with the requirements of the Pennsylvania primary law. The papers did not present the occupation of Mr. Ford and did not contain his affidavit that he was a bonafide candidate.

## Cattle Made to Swim Ashore Because Water Is Too Shallow for Steamship



Uncle Sam's sailors see unusual sights during the winter cruises in southern waters. This photograph was taken by a bluejacket while his ship was at Bridgetown, Barbados, British West Indies. The water is too shallow for large cattle steamers to reach shore. Cattle are put overboard, tied to rowboats, and then guided to land. The natives, not being over-ambitious, use the steers as motive-power whenever possible.

## DELEGATES ARE BEING CHOSEN

### First Names of Those Coming to Sunday School Convention Received

The Sunday schools of the county are selecting their delegates to the annual convention which takes place in Salem on Friday and Saturday of this week.

The Woodburn Presbyterians have selected Mrs. L. S. Machel, Mrs. Delia Overton and Esther Mack to represent their Sunday school and the Middle Grove delegates of the banner Hayesville district will be C. J. Bartruff and Mrs. Laura Bartruff.

### Girl Who Disappeared From Settlement House a Suicide

CHICAGO, April 5.—The body of Jeanne Anna d. Kay, 20 years old, whose disappearance from Hull House December 30, was followed

by a national search, was found today in Lake Michigan near the municipal pier.

### George N. Patterson Candidate for Chief

George N. Patterson, 775 Bellevue street, has filed his declaration of candidacy for the office of chief of police with City Recorder Earl Race yesterday. Mr. Patterson in his declaration says he will "perform the duties of the office in a sane and impartial manner."

### Automobile Is Recognized and Three Boys Arrested

Harry Evans, Jack Wellner and Earl Townsend were taken up as they were passing the Fair Grounds store last night by J. H. Graham and Halley Doe, who recognized the car they were in as belonging to Dudley Clark of Portland, and saw that the correct number was not on the car. They suspected that it had been stolen. The three boys were held at the store until the police could be called, and Chief Welsh and Officer Rowe answered and lodged them in the city jail. The Portland police have been notified and will come for them today, and Clark will come for the automobile.

### Union Made People in Union Made Clothes

SPOKANE, Wash., April 5.—The number of union-made garments worn by a delegate to the Spokane central labor council would be a determining qualification for the delegate to sit in the council, under a plan submitted to the council tonight by D. P. Reid, a delegate from the electrical workers' union.

Under the plan, which will be submitted to the various unions for discussion, newly elected delegates would be taken to an anteroom by the card and label committee and searched. If the garments worn by the individual delegate averaged 60 per cent union label, the delegate would do for a delegate who had been a union member less than a year. Female delegates would be exempt.

## GUILTY REDS GET 25 YEARS

### Warren Grimm's Murderers Given Quarter Century at State Expense

MONTESANO, Wash., April 5.—Sentences of from 25 to 40 years in the state penitentiary at Walla Walla, Wash., were imposed by Judge John M. Wilson here today on seven alleged I. W. W.'s, convicted by a jury in superior court here March 11 of second degree murder in connection with the death of Warren Grimm, Centralia Armistice Day hero, after a motion for a new trial had been denied.

The seven men sentenced were Ray Hecker, John Lamb, O. C. Blain, Britt Smith, James McInerney, Bert Blain and Eugene Barnett. Loren Roberts, who was found criminally insane by the jury, was committed to the ward for the criminal insane at the penitentiary.

## Hope Begins to Dawn in Chicago Switch Strike

CHICAGO, April 5.—A break in the strike of several thousand "insurgent" switchmen in the Chicago switching district was predicted tonight by A. F. Whitney, vice president of the Brotherhood of Railway Trainmen who said several hundred union switchmen from many points in the middle west arrived today to take the places of strikers and that others would arrive tomorrow.

The Brotherhood of Railway Trainmen, with which the railroads affected have working agreements, has declared the strike illegal and is cooperating with railroad officers in efforts to bring about a resumption of work.

Officers of the Chicago yardmen's association who engineered the walk-out, claimed that 9000 switchmen and yardmen employed on 13 railroads, were on strike today but railroad officers placed the number at approximately 2,500.

## Booze for Cooking Will No Longer Be Permitted

BALTIMORE, Md., April 5.—The following ruling was received today by Prohibition Commissioner Richard S. Dodson from Commissioner Cramer in Washington: "Commissioner Roper, after considering the matter very carefully, has decided that under the law there is no authority for issuing permits to use liquor for culinary purposes, in the further progress of your work, therefore, you may govern yourself accordingly." "No further applications for withdrawal should be approved under permits outstanding."

**PUBLIC NOTICES.**  
MOORE BONDS, ISSUED JULY 1ST, 1912, by Cherry City Lodge No. 498, Loyal Order of Moose, will be redeemed for \$10 flat upon presentation or mailing by registered mail to United States National Bank, Salem, Oregon. Agent for Trustee of Bondholders.

# Do You Need a Principal or Teacher for Your School?

The Coast Teachers' Bureau, 215 S. Commercial St., Salem, Oregon, can supply you with the kind of a teacher you want. Among the applicants on our list are the following:

- No. 1—Wants the principalship of a school, or will teach 8th or 9th grades English, literature or history. 20 years teaching experience; Oregon Life Diploma; excellent references; salary expected \$1350 to \$1500; position must be in or near city or large town.
- No. 2—Wants principalship or superintendency, 15 years experience. A. B. degree from University of Washington. 5-year Oregon State Certificate. Salary expected, \$1500 to \$1600 a year.
- No. 3—Wants any kind of a school position paying \$1300 to \$1500 a year; has taught many years in grades and as principal; has been out of the work for four years; State Life Diploma; good principal for a small town school or for upper grade work.
- No. 4—Woman teacher of experience would like position to teach upper grades, or principalship of three or four room school. California life certificate, four years' teaching experience in Oregon; two years of Normal training. Has taken a course in physical education and play-ground supervision. Can also teach singing, and sewing to beginners; salary expected, \$1250 to \$1350.
- No. 5—Wants commercial position; college graduate; experienced; salary expected, \$1250 to \$1350. A good prospect; this party is a woman who is now teaching in one of the best positions offered in one of the southern states; wants to come west.

These teachers want schools, but they won't be available long. There will not be teachers enough to go around next year and the wise school board will secure good teachers early if such are to be found. Write us at once for further information if you are interested. We have other teachers for various positions.

—Mrs. Blanche M. Jones, Manager.

# Taking the Chase Out of Purchase

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Don't miss the advertisements in this newspaper. Many of them are interesting just because of their news and educational value alone.

But more than that:—Advertisements take the chase out of purchase and make every penny do its full duty.

This last statement is one particularly to be remembered when common-sense economy is not only a national duty, but an individual necessity.

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