

COMING WINTER WILL BE GOLD

Scientist Makes Prediction After Study of Weather

WEATHER REPEATING ITSELF

Analysis of Data Covering Century Indicates We Are Now Experiencing Series of Alternations of Severe and Mild Winters—A Season Above or Below Normal in Temperature Likely to Be Followed by One to Three Just Like It.

Washington.—That next winter will be a cold one is the indication of weather data compiled by Dr. C. F. Brooks, formerly meteorologist of the weather bureau here, and now associate professor of meteorology and climatology at Clark university.

An analysis of the weather records of over a century indicates that we are now experiencing a series of alternations of severe and warm winters. Last fall, on the basis of his investigations, Doctor Brooks said that last winter would be warm. It was. And now he says that it is not unreasonable to expect that next winter will be a cold one, and that the winter of 1922-23 will be a warm one.

The weather seems to be repeating itself. The present series of sharply alternating winters began in 1917-18 with the cold weather of that year. The winter of 45 years before, 1872-73, inaugurated a series of winters that were severe, warm, severe, warm, etc., until 1882-83. And 113 years ago, indications from incompletely kept records are that the winter of 1804-5 began a similar series of alternations.

Identical Preliminaries. These two previous remarkable series of alternating cold and warm winters and the present one had almost identical preliminaries, Doctor Brooks has found. All three series were preceded by a few moderately mild winters, an ordinary or moderately cold winter, and then a severe winter, which opened the swings up and down in the winter temperature. The first of the moderate winters of the present series was 1913-14.

If the present surging of hot and cold winters is following the same pattern of the alternations of the seventies, it is expected that they will end with a severe winter in 1927-28.

Doctor Brooks' findings are based on weather records from New Bedford, Mass., New York, N. Y., Washington, D. C., Cincinnati, O., and Chicago, Ill., for the present series and the alternations of 45 years ago. The data of the series at the beginning of the century were obtained from records made at Cincinnati, O., and at New Haven, Conn.

They seem to hold for the whole world, however, as he has noted that when large changes between the characters of successive winters occur on one side of the Atlantic, large ones are usually occurring on the other side as well. Places as far separated as Paris and Washington show this connection.

Centers of Action.

"Such sequences of alternating colder and warmer winters were evidently the result of an oscillatory movement of the North Atlantic and North American 'grand centers of action of the atmosphere,'" Doctor Brooks says.

That the centers of action of the atmosphere, or the points of high and low pressure, should be intensively studied from winter to winter to allow successful forecasts of the characters of winters, is urged by Doctor Brooks.

In discussing the predictions of the familiar non-scientific weather prophets who periodically make long-range forecasts of the weather of the following winter, Doctor Brooks points out that American and European investigators seem to have established the fact that in ordinary times a season appreciably above or below normal in temperature is likely to be followed by one to three or more seasons having temperature departures in the same direction.

"Thus it may be that 'forecasters' of mild or cold winters who rely on some biological signs in autumn may justly claim more than chance success, though for reasons different from those commonly advanced," he declares. "Five out of the seven winter predictions which came to me last fall from newspapers east of the Mississippi river were to the effect that last winter would be mild, according to indications afforded by birds, worms, squirrels, muskrats, frogs, etc."

AID FOR WEATHER FORECASTS

Radio Meteorological Station to Be Established in Greenland.

The establishment of a meteorological station in Greenland, equipped with high-power radio, which has been planned by the Danish government and will be accomplished at an early date, will provide an important link between the weather observations of America and Europe.

The new station will be of untold value to weather forecasting in Europe, and may also aid the weather predictions of Canada and the United States. At present American observations cannot be used in Europe. The new station was recommended by the international commission for weather telegraphy which met in London last November.

MAD IN JUNGLE, MEN END LIVES

Stricken With Fever on Search For Oil in Colombia

LETTER TELLS OF HARDSHIP

Two American Engineers Shoot Themselves When Unable to Obtain Medical Help—One of Party Was Nearly Killed by Jaguar—Members of Expedition Almost Lost Their Lives in Treacherous Ford of a River—Native Physician Takes Offense.

A tragic story of the suicide of two American youths, crazed by fever, in a remote village of the United States of Colombia is contained in a letter to the New York Times from J. F. Lockard of Bogota, Colombia. Writing under date of May 10, Mr. Lockard said that the victims were two of a party of four Americans prospecting for an oil company. The embalmment body of one of them, S. Davenport Bridge, son of S. D. Bridge of Monterey, Mexico, well known as a mining man and assayer, had arrived at Bogota a few days before the letter was written, in accordance with his dying request that it be shipped to his mother in Texas.

In Quest for Oil. As related by Mr. Lockard, the four Americans arrived in Bogota several months ago and started an expedition into the interior that was destined to be fraught with almost incredible hardships. The expedition started for the pampas of San Martin on the quest for oil, the plan being to enter by way of Villavicencio and to leave by way of Medellin.

The party left Bogota well equipped with tents, many trunks, books, provisions, arms and ammunition and a considerable amount of money in American gold. One of the party was nearly killed by a jaguar and all four nearly lost their lives at the treacherous ford of a river. Here only the surefootedness and ability to swim of the mules they bestrode brought them to safety. The peons who accompanied them several times unsuccessfully urged them to return.

Finally Bridge and another whose name was not learned became ill with fever. These were the two youngest of the party, and their companions with great difficulty brought them into the little village of Gachala, where they obtained accommodations at a small hotel, kept by a woman with six children.

Lack of adequate care caused the condition of the two sick men to become worse, as the only remedy they had at hand was quinine and whiskey. A telegram was sent to Bogota requesting that a physician and a clergyman be sent to them and, in the meantime, recourse was had to a native physician. The latter's home-made remedies distilled from roots and herbs, did not prove immediately effective, and the native physician took offense at remarks to this effect and refused to give further treatment.

Call for Help. Other telegrams for help were sent to Bogota, and finally a reply was received that a physician would arrive from that city on a certain day. During the night before this physician was expected to arrive, all in the hotel were awakened by a fusillade of shots, coming from rooms on the second story.

The door of Bridge's room and that of his ill companion were forced by their companions, and it was found that they had killed themselves with revolvers. Similar notes were found, saying that each found it impossible to endure the pain of the fever longer. Bridge, in addition, asked that his body be embalmed and sent to his mother in Texas.

Bridge, who was 27 years old, had \$10,000 in gold in a money belt around his body. Claims for part of the money were made at once by some of the villagers. The native physician was said to have collected \$350 for services, and the woman-proprietor of the hotel \$250, while the peons, who took Bridge's body to Sopo, the nearest railroad point, divided \$1,000. The body of the other American was buried.

MUST WORK FOR BULGARIA

Men and Women Called Upon to Labor for State Under Unique Law.

All classes of society in Bulgaria have been called upon to fulfill their civic duties under the provisions of the compulsory labor law, adopted a year ago.

The law provides that men who had attained the age of 20 years and girls who were 16 years old were to be called upon for a certain amount of compulsory labor for the state. Men were to work 12 months and women 6 months, and none was allowed to emigrate until duties imposed had been performed.

The number of persons coming within the scope of the law was 700,000 of whom 600,000 have been at work, the labor done comprising roadmaking, sanitary services, digging canals, street paving and the building of schools and reading rooms.

Navy to Cut Wages of Civilians. Wages of civilian employees of the Navy department, including navy yard workers, will be reduced to conform with wages received in civilian life by boards meeting in every naval dis-

LAND SALE.

No. 461.

John J. Gore, VS

W. H. Dudney.

In Chancery Court at Gainesboro, Tennessee.

In obedience to a decree of the Chancery Court at Gainesboro, Tenn., made in the above styled cause at the October term 1921, I will, on the 17th day of December, 1921, in front of the east door of the courthouse in Gainesboro, sell to the highest and best bidder, a one half undivided interest in the lands mentioned in the decree and described in the original bill as follows:

1st Tract. Lying and being in Talley's hollow, in 1st district of Jackson County, Tennessee, and bounded north by Lewis Pharris; on the east by the lands of J. L. Young; on the south by the second tract hereinafter described and on the west by the lands of R. C. Pharris, containing 60 acres, more or less, by estimation.

2nd Tract. Bounded on the north by the 1st tract herebefore described; on the east by the lands of Lewis Pharris; on the south by the lands of Lewis Pharris and Tom Tase; and on the west by the lands of Walter Rush and containing by estimation 60 acres.

Said land is sold as the property of W. H. Dudney, to pay a Judgement of \$1127.00 for purchase money and the cost of this cause, and sold subject to the life estate of Hyram Pharris in and to said land, and subject to certain purchase money notes as set out and referred to in the original bill of this cause.

TERMS OF SALE

Sale will be made within legal hours on a credit of six and twelve months, without the equity of redemption. The purchaser will be required to furnish personal security on said notes, and a lien will be retained on said land to further secure the same.

This November 23rd, 1921.

W. F. Sadler, C. & M.

C. C. Gore, Solicitor.

LAND SALE.

Jeff Reeves et al.

VS

Tom D. Jackson et al.

In obedience to a decree of the Honorable Chancery Court for Jackson County, Tennessee, made at the October term, 1921, in the above styled cause, I will offer for sale for cash in hand on Saturday, December 17, 1921, the tract of land formerly sold in this case to A. Myatt and D. D. Allen, lying and being in the 13th civil district of Jackson County, Tennessee, beginning on an oak tree on the north side of Cumberland river, between the two "Bill Town" landings, the southwest corner of the old home tract of T. B. Lee, running due north to a stake on top of ridge with a marked line to William Spivey's fence; thence east with a marked line to the public road; thence with said road direction of Cumberland river to the top of bank or bluff of said river, a line made by W. D. McCain and D. N. Johnson; thence down said river with its meanders to the beginning, containing by estimation 35 acres, more or less.

This sale will take place at the east door of the courthouse in Gainesboro, Tenn., within legal hours, and is made to satisfy the unpaid purchase money on a former sale made in this case, and in this court.

This November 21, 1921.

W. F. Sadler, C. & M.

NON-RESIDENT NOTICE

P. P. Cassetty

VS

J. C. Hackett et al.

In Chancery Court at Gainesboro, Tenn.

It appearing from the bill filed in his cause, which is sworn to, that the Defendant J. M. Dean is a nonresident of the State of Tennessee, and cannot be served with the ordinary process of law:

It is ordered that said Defendant enter his appearance herein, before the Clerk and Master, at his office in the courthouse in Gainesboro, Tenn., on or before the third Monday in December 1921 next, and plead, answer, or demur to Complainant's bill, or the same will be taken for confessed as to him; and set for hearing ex parte; and that a copy of this order be published for four consecutive weeks in the Jackson County Sentinel, a newspaper published in Gainesboro, Tenn.

This 10th day of November, 1921.

W. F. Sadler, C. & M.

John J. Gore, Solr. for Compl.

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Pupils of NEW HOPE SCHOOL ARE THANKFUL.

The pupils of New Hope school Thanksgiving day expressed their reasons for being thankful as follows:

That I am in school and for our teacher, Carlos Webb.

That I can go to school and that Christmas will soon be here, Gladys Strong.

That school is going on and that I can come to school, Ruby Gentry.

For our flag, Lolo Lee.

For our new stove drum, Bill Taylor.

For our flag and big drum, Marcus Chistian.

For our teacher, Millard Christian.

That I know all my A. B. C. Laton Carwile.

For our good school and industrious teacher, Sylvia Allen.

That I am able to be in school and that today is A. J. Pharris' birthday, Lwe Crowder.

That today is Thanksgiving, and I am in school and my desk-mate is back again, Essie Smith.

That I can go to school, and today is Thanksgiving, Hattie Smith.

That I can go to school and that I am in school today, Coleman Smith.

For our flag, L. K. Smith.

That I can go to school, and that Christmas will soon be here, Vallie Brown.

That I can go school, and that Miss Ona is our teacher this year and hope she will be the next year, Martha Taylor.

That we have a kind and loving teacher, Lassie Wiley.

For our kind teacher, Dallas Allen.

For my primer, Hazel Carwile.

That I can read, Cluery Lee

That I am able to come to school today, Edd Taylor.

For our ball, Fred Buell.

For the good school, Bulah Lee.

For Thanksgiving day, Eider Lee.

For the speaking today, Lucy Taylor.

That I can go to school, and that we have a big stove drum, Brown Smith.

That Christmas will be here soon, Lassie Wiley.

I can play, Charlie Buell.

For our school, Emma Wiley.

That I can come to school, Lester Smith.

That today is thanksgiving and I'm in school and have a good teacher, Effie Wiley.

For our teacher, John A. Webb.

For our flag and loving teacher, Martin Taylor.

For what the Lord has done for our school, Marvin Christian.

That I am at school today, Maudie Poston.

For my nice, intelligent, kind, loving obedient, working, bright eyed boys and girls, Ona Maxwell, Teacher.

A. J. Pharris, the Truant officer, visited our school yesterday. Today is his 64th birthday and we wish him a happy one and many more.

Wishing our editor a happy Thanksgiving day.

IN BANKRUPTCY

In the matter of Dycus Mercantile Co. Bankrupt.

Notice is hereby given that on Monday, December 5th, 1921, on the streets of Gainesboro, Tenn. I will offer for sale and sell to the highest bidder, for cash in hand, the following personal property:

3 mules; 1 Horse; 1 mare and colt.

Sale will be within legal hours.

W. F. Sadler, Trustee.

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