

Weather Bulletin.

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JOSEPH, Mo., Feb. 16.—My last bulletin gave forecasts of the storm wave to cross the continent from February 17 to 21 and the next will reach the Pacific coast about Feb. 22nd, cross the western mountain country by close of 23d, the great central valleys from 24th to 26th and the eastern states about the 27th.
This will be one of the most noted and severe storms of the year and deserves special attention. Probably two entirely distinct disturbances will develop within the week of 22d to 28th, west of the Mississippi river, one of which I have described above and which will probably enter the continent between Vancouver's Island and the mouth of the Columbia river about 22d or 23d, move directly toward Kansas City, thence between the upper and lower lakes, near or south of Albany, New York, and then down the St. Lawrence river.
Causes that lead to destructive storms were similar February 21st to 26th 1887 when tornadoes occurred in California, Georgia, Kentucky, Louisiana and West Virginia causing great destruction of property.
We have no means of knowing where the tropical storm will be from 21st to 27th but it will probably be within the Gulf of Mexico, or on some of its northern coasts. Usually the tropical storms of February are mild, causing heavy and long continued rains in the gulf states, but this storm, wherever it may be, will come near developing the force of a hurricane.
The average path of these February tropical storms is to strike the continent south of the Gulf of California, then by way of El Paso, Texas, Toledo Ohio and the southern part of Newfoundland to the British Isles, but probabilities are that from 21st to 27th this tropical storm will take a more southern route.
Probabilities favor a severe cold wave in the northern part of the great central valleys about the 25th. By watching the national weather bureau reports about that time the location of the tropical storm may be learned in time to be of great value. If that storm is on the gulf coast moving eastward about 24th to 26th the cold wave will do great damage to the southern states about two days and be very severe in the northern states. But if the tropical storm is moving westward on the Gulf of Mexico the cold wave of the 25th to 29th will not enter the southern states.
An expert can locate the tropical storms by watching the movements of the cold wave on the continent and along this line is an excellent opportunity for our national weather bureau to improve its work.
The warm wave will cross the western mountain country about 22d, the great central valleys about 24th and the eastern states about 26th. The cool wave will cross the western mountain country about 25th, the great central valleys about 27th and the eastern states about March 1st.
The storm preceding the one described above will be a terror on the north Atlantic which it will enter off the coast of Maine about 22d, moving eastward along the usual steamship lines to the British Isles. I advise all to not undertake any pleasure trips by ocean steamers from 22d to 27th inclusive.
GULF STORMS.
The features of these tropical storms that is of most importance to North America is their movements about the Gulf of Mexico. In August, September and October occur most of the tropical hurricanes and they are carefully mapped but during the other nine months of the year this class of storms, being of less force, are not so carefully mapped.
I hold that nearly all the low barometer storms that pass through Texas, averaging about one a month, are tropical storms which have passed slowly westward across the north part of South America or the south part of the Gulf of Mexico, across Central America into the Pacific ocean turning eastward by way of the north, entering the Pacific coast about or south of Los Angeles and thence eastward traversing the southern states.
The high barometer storms, or blizzards, or only waves as they are variously called come out of the winter high that surrounds the magnetic north pole and are induced or caused

by the tropical storms. The latter, like the water spouts, gather the atmosphere in vast quantities and throw it to great heights necessitating downpours at other points and the cold waves or blizzards are the results.
Our trans continental storms do not bring the extremely low temperatures and if we are ever to understand the blizzard there must be better records made by our national weather bureau, or by the navy weather bureau, of these tropical storms.
Our national weather bureau must get the seals from its eyes in order to see that storms are perpetual meteors that never die but move on forever in their allotted rounds, now increasing and then decreasing in force through the electro-magnetic influences as sun, moon and planets. Then we may induce them to make better records of the tropical storms.
These tropical storms make it much more difficult to correctly forecast the weather at long range for Texas and the countries lying east of the Mississippi river and the upper lakes. About once a month the tropical storms comes into the problem and being of greater force than the storms that cross the continent further north the latter storms are knocked out of time and sometimes absorbed by the tropical lows or almost destroyed by the highs that are induced by the tropical lows.
The national weather bureau people say that these tropical storms are organized on the Atlantic somewhere east of the Windward Islands. They may learn their mistake some day. Not long ago they claimed that our trans-continental storms were organized in the northwest part of the United States and later they concluded they were organized at some unknown point in Alaska. They are now about convinced of what those bulletins have claimed for many years that these storms move entirely around the earth.
The writer also hopes to convince those orthodox gentlemen that the storms of the north Atlantic ocean constitutes a complete system, that they move with the trade winds and gulf stream sometimes passing west of Central America before they turn east and sometimes into Asia Minor before turning to the south and west.
The Pacific ocean storms move in a similar manner, as I am thoroughly convinced, and constitute the typhoons, or hurricanes of the East Indies. Their paths in the vicinity of the East Indies, as mapped by the navy weather bureau, give very strong evidence that they move around the center of the north Pacific ocean.
O. W. O. Hardman, Sheriff of Tyler Co., W. Va., appreciates a good thing and does not hesitate to say so. He was almost prostrated with a cold when he procured a bottle of Chamberlain's Cough Remedy. He says: "It gave me prompt relief. I find it to be an invaluable remedy for coughs and colds." For sale by Deyo & Grice.
Our dissatisfaction of any other solution is the blazing evidence of immortality.—Emerson.
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FROM OUR EXCHANGES.
Red Cloud papers are "gone daft" over a proposed sugar factory for that place. It seems strange that they have not tumbled to the fact that these sugar factories proposed for most every town in the state this fall and winter, are a blind and for the purpose of securing the aid of the legislators from the districts in which they are proposed to work to have the sugar bounty restored, under the impression that it will be a stimulus toward the securing of factories for the state. The projector of the scheme at Red Cloud was here but our people were onto him and he did not propose. —Superior Sun.
Ed Lewis was arrested at Red Cloud and taken to Nelson and lodged in jail on an affidavit of bastardy, sworn out against him by one Augusta Erickson of Superior. Augusta claims she loved the cur, not wisely, but too well; he promised he would marry her—the same old ruse—she fell.—State Journal.
A foolish man over at Red Cloud stole a horse, and now he can't purchase his liberty for less than \$500. Figure the herd of horses he could have bought with that amount of money.—Smith County Journal.
A Red Cloud maiden who considers herself an undeveloped Patti, has written to Charles Fair, son of the late millionaire for \$10,000 to help her obtain voice culture. Modest maiden, that.—Syracuse Journal.
Mesdames V. H. Soliday and Ed. Beyrer arrived home on Sunday night from a visit to their old home at Red Cloud of a few days.—McCook Tribune.
You make no mistake when you take DeWitt's Little Early Risers for biliousness, dyspepsia or headache, because these little pills cure them.

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