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WEATHER BULLETIN

PROGNOSTICATIONS OF WEATHER.

Prepared and Furnished for Special Publication in the Red Cloud Chief by W. T. Foster.

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St. JOSEPH, Mo., June 29th.—My last bulletin gave forecasts of the storm wave to cross the continent from June 30th to July 4th and the next will reach the Pacific coast about July 5th, cross the western mountains by close of the 6th, the great central valleys from 7th to 9th, and the eastern states about the 10th.

This will be a storm of considerable importance and will develop its greatest force in the Mississippi valley about the 8th and will be somewhat favorable to the development of tornadoes.

The warm wave will cross the western mountains about July 5th, the great central valleys about the 7th, and the eastern states about the 9th. The cool wave will cross the western mountains about the 8th, the great central valleys about the 10th and the eastern states about the 12th.

The rainfall of July will be excessive in places, but will average below the normal, taking the whole country over. Spots of drouth in various places will do considerable damage to growing crops during the first ten days of the month while other places will be damaged by floods. After the 10th rains will become more general and will run less to extremes.

The hottest waves of the month will cross the continent from west to east about June 29th to July 3d and July 28th to August 1st. The coolest weather will be from 10th to 20th and the greatest fall of temperature following the storm waves crossing the continent June 30th to July 4th and July 29th to August 2d. For the United States and Canada, as a whole July will be a fair average crop month. The rains will range well to the north during the first half of the month and well south during the last half.

The most destructive storms will occur from 1st to 10th and will include some severe hail storms and tornadoes. This will also be a danger period on the lakes and Atlantic.

CAUSES EARTH'S ROTATION.

There are two old theories as to the cause of the earth's rotation. One of these is that an original impulse, an unexplainable miracle, set the heavenly spheres in motion. The other is that a universe of matter fell in on itself causing motion and great heat. Each of these theories is the silliest nonsense not worthy of a serious thought and still they have a wonderful hold on the human mind. Such ideas might do for monkeys but should find no place in the minds of men.

Let reason have a chance and electricity a hearing. In firing a cannon or other firearm the impact of the powder's expansion against the atmosphere causes what is vulgarly called a "kick" backwards. The wheel of the Chinese fireworks is caused to rotate with great speed as it throws off the sparks, the expansion force of the exploded powder pushing one way against the atmosphere and in the opposite direction against the periphery of the wheel and thus causing the latter to rotate while the atmosphere is thrown off in a tangent.

A wheel of iron spokes with the outer ends of the latter sharp pointed and turned at right angles backward will rapidly rotate when a heavy charge of electricity is sent into it through its axle, the ends of which correspond to the poles of the earth. The electricity escaping into the atmosphere from the turned back spoke points acts on the atmosphere and on the wheel precisely as the discharge of the firearm does and the "kick" or impact causes the wheel to rotate with great rapidity, the electricity going one way and the wheel turning in the opposite direction.

The earth is a spherical rotating magnet, the electricity coming to it at its north and south poles, meeting at and going off into space over its equator.

These electrical currents move in spirals. Imagine yourself off and facing the north magnetic pole of the earth. With your pencil begin at the pole and make circles to the right, with the sun, as you face the latter and each circle nearer the equator. Not a complete circle but a continuous line called a spiral. The electrical

ty coming from space moves with that system of circles which is called right-handed spirals.

Now face the south pole of a terrestrial globe or imagine yourself off and facing the south pole of the earth and this time draw a left-handed spiral. Begin at the south magnetic pole and circle from right to left, with the sun as you face it, never lifting the pencil, each circle nearing the earth's equator and you will have the left-handed spiral, the movement of the electrical current in the earth's surface as it comes from space and nears the earth's equator from the south pole.

You will readily see that both north and south of the earth's equator the electrical currents as explained above would move from east to west and this is in accord with the magnetic records in the geodetic surveys.

It will further be readily observed that the currents coming from the north and south poles of the earth are moving toward sunset while the earth revolves toward sunrise and if they go off into space they act upon the earth as explained in reference to the wheel and the impact on the earth would cause the latter to rotate eastward.

Magnetic observers in Europe, Asia and America have discovered three forces affecting the northern hemisphere of the earth. One of these affects the north pole; one comes directly from the sun and affects the sun light side of the earth and the third lies in the direction of sunset. The first two would probably have no effect on the rotation of the earth on its axis but the force lying in the direction of sunset would certainly cause the earth to rotate.

Electricians claim that in magnets or conducting wires it cannot, in the present state of scientific research, be known which way the current moves, but as to the earth it is known. Prof. Bigelow of the national weather bureau says that one of three forces comes to the earth at an angle of 41 degrees north of the perpendicular for about eight days suddenly changes direction and goes from the earth at the same angle for about nineteen days and then again for eight days comes to the earth. He says the magnetic instruments unmistakably indicate the directions of these currents and their sudden changes.

These important facts tell us that the earth's rotation and revolution do not depend on momentum, that the earth, sun and planets are not wound up like a clock and therefore will not stop when they run down. The facts also prove that our universe is a perpetual motion, that electricity is the motive power, that magnetism is a result of electricity, that the elements surrounding the sun and turning with it cause the earth to revolve around the sun and that the electrical currents cause the earth to rotate on its axis.

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Beatrice Chautauqua Assembly.

June 23 to July 4, Burlington Route agents at stations within 150 miles of Beatrice will sell ticket to that city at one fare for the round trip. June 21 and 22, the same low rate to Beatrice will apply from all stations in Nebraska. Tickets and full information upon application to local B. & M. agent.

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C. F. CATER, Red Cloud, Neb.



Notice to Teachers. Notice is hereby given that I will examine all persons who may desire to offer themselves as candidates for teachers of the public schools of this county, at Red Cloud on the third Saturday of each month.

Special examinations will be held on the Friday preceding the 3d Saturday of each month. The standing required for 2d and 3d grade certificates is the same—no grade below 70 per cent., average 80 per cent; for first grade certificate—no grade below 80 per cent., average 90 per cent. in all branches required by law.

D. M. HUNTER, County Supt.

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