

# CAUSE OF CLIMATIC CHANGES

By E. R. POWELL, Lindsay.

A talk with E. R. Powell on the cause of warm and cold winters, seismic disturbances and the cause of the present cold spring since the 10th of April. Last year it froze up on the 10th of April and remained so for a long time. This year it turned very cold on the 10th of April and remained so for over a month. Now what is the cause? The autumnal equinox occurs at the south pole at this time, no doubt causing a vacuum at certain points when the north polar cold rushes in.

I am of the opinion that conditions in the southern hemisphere should be considered as well as those of the north in order to prognosticate whether we will have warm or cold winters or summer and wireless telegraphy may yet accomplish this result. I claimed that the south pole travels farther in its orbit, and was severely criticized until I had a chance to explain. We are aware that the statistical centre of the earth is 15 degrees north of the equator. Now if you take an orange and pass a needle 15 degrees from its centre and another at right angles through its centre to represent the poles. Then pass it around after the manner of the earth, in its orbit, and you will find that its elements pass around with great violence, collecting and discharging its waters, which appears to be about the time of the vernal equinox. In the winter of 1903-4 the south polar water rushed up the Atlantic with great force driving the hot equatorial water and mist which was met by the cold air from the north pole. It never got any colder than 10 degrees below zero, but remained at that night and day, all winter with a fall of snow 4 feet deep. This winter the storms have rushed across Europe west of the Ural mountains driving the hot air and water from the Indian ocean by way of the Kiro Soo or Japanese current and reaching the west coast of America, thus giving us a warm winter in America.

Over 30 years ago I learned there had been a tropical calm in the Indian Ocean, which is very warm. And I predicted a warm winter. It came and there were many warm winters after that. I am of the opinion that when the G.T.P. is

built to Prince Rupert forests will be removed along the line causing a draft that will greatly modify the climate in the Northwest.

Now here is a piece of information that should be remembered. H. G. Vennor years ago predicted a great snow storm in October, and had it published in the papers weeks before it happened. This made a weather prophet of him. He got up an almanac and made five thousand dollars by it. At this time he could get no information from the Northwest as we can now, when a storm is forming there. How did he do it? Now if you observe small cirrus clouds moving slowly from the southeast in October or November, they may not cross the horizon all day, and it may be days and even weeks before the storm will occur. It is always a great storm that draws the clouds a great distance. Although Vennor kept his secret I happen to know how he did it. By timing these clouds as they pass you will learn the exact time the storm will occur. This information will be valuable to farmers. When Vennor's storm came, vegetables were frozen, and live stock greatly injured. The thermometer dropped far below zero.

Now we will consider the movement of the south polar waters. At the time of the earthquake in Italy the south polar water was welling up against the west coast of Africa and Europe. It is a well known fact that water will rise in wells and springs far inland when a tide is rising and it is impossible to conceive the wonderful force exerted. Water rushes into the fires one explosion after another occurs. Perhaps unnoticed until a volume enters when a general upheaval occurs. There may be other causes such as the explosion of gasses in cavities, but this gives the facts as far as it is possible to know them, although many theories have been advanced.

In the winter of 1907-8 the south polar water was welling up against South Africa and South Australia. Floods were experienced in India, but it did not appear to effect the Japanese current to any extent. My object in telling you this is to demonstrate the wonderful power of the south pole as it travels farther in passing through the earth's orbit.