

Change in Weather Declared To Bring Change in Humans

Washington (Science Service)—Every time the weather changes, you change too. At least your body metabolism does, Dr. Rene Dubos of the Rockefeller Institute reported to the National Science Foundation here.

Speaking on the topic of "Environment and Disease," the investigator pointed out that weather is one of numerous environmental changes that effect the human body. For instance, it is a well established fact that a European wind known as the foehn, which sweeps across Switzerland, southern France and Germany, is closely followed by an increase in incidence of diseases and even auto accidents in those countries.

Seasons Responsible

Such an increase in disease, which includes heart diseases as well as all others, can always be expected to follow any weather change, Dr. Dubos said.

Even the seasons are responsible for many ups and downs in diseases. The number of polio cases is always highest during the summer months. This is always followed by a decline in winter. Dr. Dubos interpreted this as meaning that during the summer we are different animals, metabolically, than in the winter.

Another environmental factor that affects diseases is the amount of crowding humans must endure. True infection spreads by direct contact under crowded conditions, but these conditions can also change the response of the individual to the disease agent as well as can other emotional stimuli, he said.

Striking out at air pollution, the Rockefeller researcher noted that there is a large variety of lichens growing in the rock formations along the Hudson River Valley. However, the identical rock formations will not support the same lichens in Central Park. Air pollution is one of the largest problems of industrialized society, he stressed.

Mice Compared

He then related his experience with a group of mice which were kept in a "very clean," although not germ-free, environment. These he compared with mice of the same breed living in a standard environment. Significant differences included complete survival of all "clean" animals while some standard mice died. The clean mice gained weight faster. When all of the mice were fed a deficient diet, the clean animals continued to gain weight, but at a slower rate. The standard mice lost weight.

However, the clean animals were much more susceptible to bacterial infections. Here he added a word of caution for humans.

"We are manipulating our environment so fast in our technological civilization that we should study and be aware of these changes," he emphasized. He warned that we may become too sanitary, resulting in a weakening of our natural defenses.

Americans keep their children clean, so that they do not get diseases. When they are adults and do finally contract a disease, it hits much more seriously, he said. Perhaps medical science will have to grapple in the not too distant future with a choice: which disease should people be protected from and which disease should they be exposed to at early age.

Two-in-One Pattern



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Corn Crop Figured at 4,402,476,000 Bushels

Washington — (UPI) — The Agriculture Department has estimated the record-breaking 1959 corn crop at 4,402,476,000 bushels. This compares with the October estimate of 4,429,154,000 bushels.

NO SURPRISE TO ANYONE

Oregon's assessment rolls of 1873 included 65,789 horses, compared with 29,529 horses and mules in 1959.

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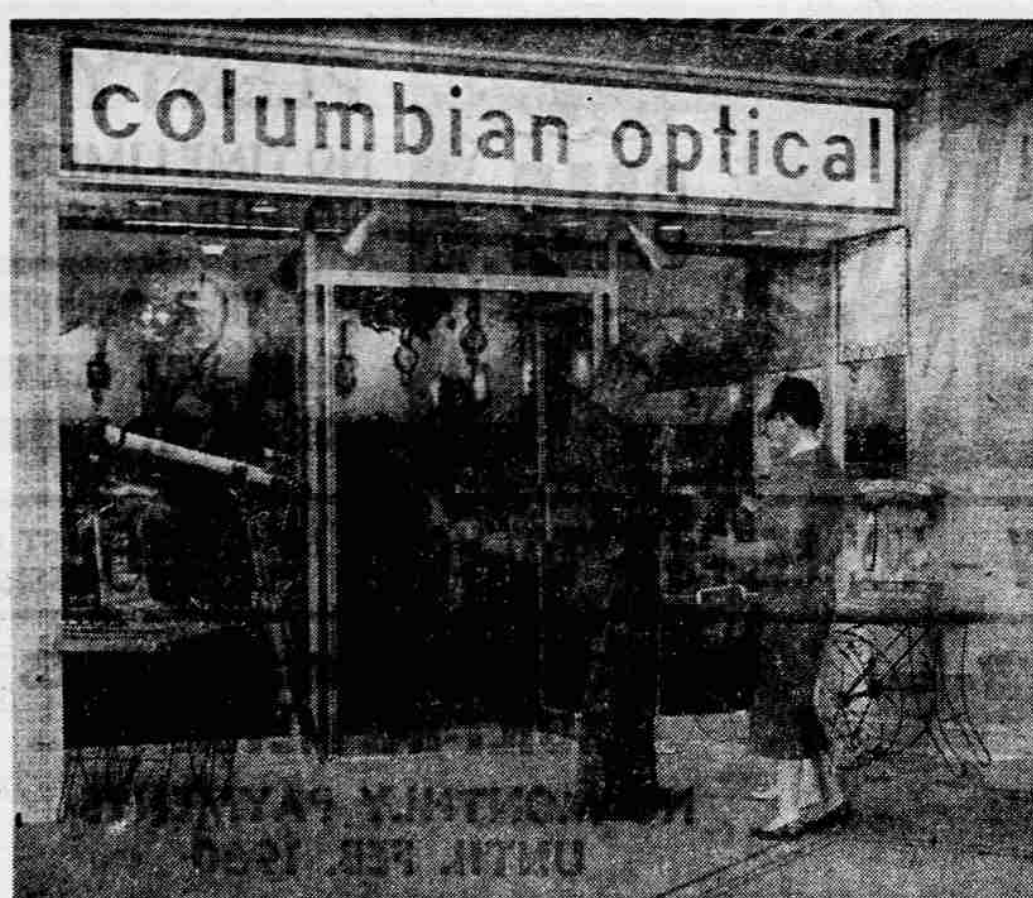
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OPTICAL COMPANY—Now completed and open for business is the Medford branch office of Columbian Optical company, Portland. Dr. Omar Noles, Portland, is owner and general manager of the company, and the resident manager is Dr. William Hodson. Betty Fichtner is receptionist. During the grand opening last Friday and Saturday, more than 2,000 residents of this area visited the store.

Oregon Geyser Rivals Faithful At Yellowstone

Lakeview, Ore., (Science Service)—A geyser that rivals Yellowstone's Old Faithful is spouting hot water 150 to 200 feet into the air and promises to be a new tourist attraction. Located 35 miles east of here, the new geyser resulted from a search for natural steam for power purposes.

After drilling 1,684 feet and not finding sufficient water on the Charles Crump ranch, the Nevada Thermal Power Company abandoned the project on June 29.

Two days later, a geyser of hot water spouted up through the casing, and present indications lead to the belief that Oregon has a rival to Yellowstone's Old Faithful. While the famous geyser in Wyoming erupts to a height of 120 feet, the southern Oregon spectacular waterspout reach a height of 150 to 200 feet. Not only that, but the flow is continuous. It erupts at a rate of 67 feet per second, with a flow of 400 to 600 gallons a minute, at a temperature of 200 degrees Fahrenheit at the casing.

Tourists, local residents and the ranch owner himself, who is using the runoff for irrigating before it drains into Crump lake through canals vigorously protested the original decision of the State Engineering Department and the attorney general to cap the spectacular spouter because it was "wasting water," and because no permits and been issued for drilling. Popular opinion won and the attraction is destined to be one of America's tourist meccas, including, as it does, another hot spring 100 yards east and a true geyser about 100 feet to the north.

Water Cave In

Water analysis by the state sanitary authority shows 956 solid parts per million parts of water. There is a half part of arsenic per million parts of water.

Thought to be the only perpetual geyser in the world, the state's geologists doubt that it will continue in that category. State engineer Lewis R. Stanley, knowing that the geyser runs through 100 feet of loose, alluvial material at the surface, early in September warned that it might soon cave in and become just a bubbling hot spring.

But Lakeview's geyser is spouting unabated, regardless of adverse forecasts.

Marker Indicates South Pole Position

Washington (Science Service) — A marker indicating an exact geodetic position is to be erected inside a building at the South Pole, the U.S. Coast and Geodetic Survey here reports. The three-inch bronze disc will identify the exact locating of the U.S. Antarctic Research Program South Pole station at latitude 89 degrees, 59 minutes, 43.6 seconds south and longitude 24.8 degrees west. This is about 1,650 feet from the pole. This geographical pinpointing was the result of 52 independent sets of astronomical observations made during the long Antarctic night by Maj. Palle Mogensen, International Geophysical Year scientific leader.

CARRIAGES ON ROLLS

Oregon's assessment rolls of 1873 listed "furniture, carriages, and watches" values in excess of two million dollars.

Columbian Optical Branch Opens in Shopping Center

The Columbian Optical company held its grand opening in the new Medford Shopping Center Friday and Saturday, Nov. 6 and 7, with about 2,000 customers visiting the attractive and functional store during the two days.

A delegation of Columbian Optical company executives from Portland attended the opening. Heading the delegation was Dr. Omar Noles, owner and active manager of the company. Others included Pat Riddell, manager of the Oregon Optical company, wholesale suppliers of Columbian; Walter Heitkemper, manager of the hearing aid department; James Dennis speech and hearing therapist; William Stephenson, advertising manager; and Dr. Stanley Anderson, specialist in prescribing and fitting contact lenses.

Resident Manager

The resident manager of the store is Dr. William Hodson. Betty Fichtner is receptionist.

Dr. Noles, to introduce the company's staff to public relations and advertising personnel in Medford, held a cocktail party at the Medford Hotel last Thursday. About 40 people attended with Medford Mayor John Snider, Jackson County Judge Earl Miller and Hugh Coleman, president of the Jackson County Chamber of Commerce, were among the guests.

The Columbian Optical company was founded in Oregon by the late Dr. Sidney Noles in Portland in 1905, and has since that time served more than a million Oregonians in the hearing and optical fields.



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Aid To Cranberry Growers Ordered

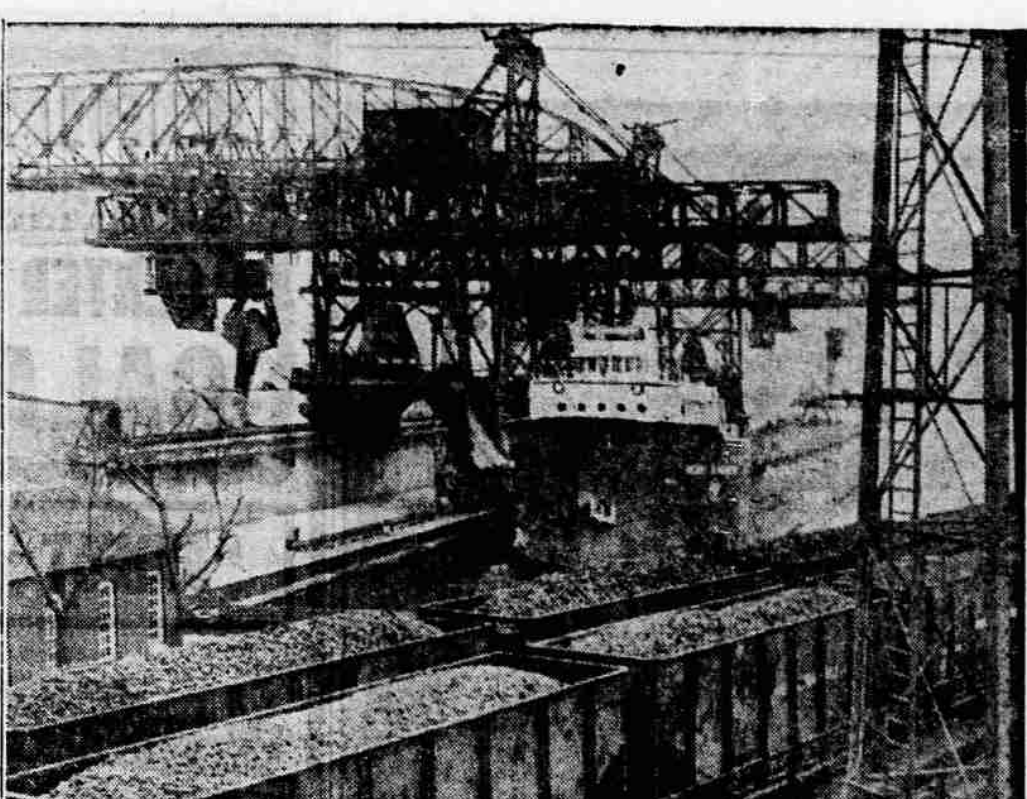
Washington — (UPI) — Agriculture Secretary Ezra T. Benson ordered an investigation Tuesday to see if his department can help cranberry growers jolted by an announcement that some of their crop was contaminated.

A spokesman said Benson was trying to reach Arthur S. Flemming, secretary of health, education and welfare, to discuss the situation.

The agriculture secretary also sent a telegram to G.O.P. Olsson, president of the National Cranberry Association and Ocean Spray Cranberry Co. at Hanson, Mass., expressing concern over the problem created for cranberry producers by Flemming's statement.

POLL TAX IMPOSED

Oregon's Provisional Legislature of 1845 imposed a poll tax of 50 cents per year on every qualified voter under 60 years of age.



MILLS GET ORE—Iron ore for newly reopened steel mills is unloaded at United States Steel's mill at Chicago from the 12,800-ton vessel Henry H. Rogers, first ship carrying ore to arrive at Chicago since

July 14. Rail cars in foreground are heaped with fuel for long-idled furnaces. Many ore boats are racing between Chicago and Duluth, Minn., to get ore through before ice blocks waterways. —(UPI Telephoto)

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