UNCLE SAM ACTS WEATHER PROPHET

Predicts Storms and Frost to 2,000,000 Farmers by Telephone.

REACHES ALL OVER WORLD

Information From Far-Off Lands Helps to Compound American Weather Bulletins-Origin and Growth of System.

BY FREDERIC J. HASKIN. WASHINGTON, April 28.—(Special Cor-espondence.)—Through the agency of the Weather Bureau 2,000,000 American farmets are placed in telephonic communica-tion every day with bundreds of trained observers in the ends of the earth whose

the greatest information-collecting agency in the world. But does the Associated Press hear each day from Seydisfjord, iceland? The Weather Bureau does, Also

Those Who Do Not Sneer.

The information which comes to the central office of the Weather Bureau in Washington from all these places enables Washington from all these places enables the forecaster to venture a prediction about what the weather will be for the next 36 or 48 hours. Sometimes the forecaster does not hit it, and there is a pretty general disposition among readers 50 newspapers in cities to sneer at "Old Prob." The fruit-grower of Florida, the cranberry-grower of New Jersey, the mariner of the tireat Lakes, the tobacco-planter of the Middle South-these and planter of the Middle South-these and planter of the Middle South-Inese and many other classes of Americans remember how many millions of dollars the Weather Bureau's predictions have saved them. They do not sneer. Those persons who have been induced to move back from the banks of the Ohio and Mississippi Rivers because of a Weather Bureau flood warning and have seen the backs of the flood's creat predicted to eight of the flood's crest predicted to within a few inches days and even weeks

All Know Weather Ahead.

Every daily newspaper in the United States prints each day the official wea-ther forecast. If it is left out by ac-cions, the subscribers are sure to register a "kick." The forecast cards are sent to thousands and thousands of persons to whom they will get in time to be of benefit, and are posted in every Postoffice which can be reached by them. Little cards with the forecast stamped on them sent out from central Postoffices along every rural free delivery route in the country where the carrier leaves late enough in the day to carry that day's forecast. Through the medium of the newspapers, the flags and lanterns displayed and the cards posted, every city dweller in the United States may have the benefit of the weather forecast without any particular effort or expense.

Weather Bulletins by Phone.

But the farmer is the man who needs the information most, and it is to reach the farmer that Professor Willis L. Moore the farmer that Professor Willis L. Moore and his assistants are striving. The telephone has solved the problem in the Middle West and along the Atlantic Coast. Its rapid extension through rural districts makes it of increasing importance each day. Telephone complanies are requested to aid the bureau in the dissemination of this useful information. Most of them shally accede. Some of them refuse and want money. Those who go in for co-operation advertise the connection with the weather service as a feature to induce farmers to become telephone subscribers. The telephone service is managed in this fashion: The nearest official weather office telephones to the central office of the telephone system the forecast, it is then distributed to each central exchange in the system, and "central," ever obliging, will be deligited to tell any inquirer over the 'phone what the weather outlook may be. In case of a hurricane or cold wave warning, there is a general call and each subscriber is informed, so that he may have ample time to protect himself, his stock and his crops.

Guarding Against Frost.

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Guarding Against Frost.

If it is a cold wave warning, the citrusgrower in Florida or California who fears the calamity of a frost will protect his orange and lemon trees by building smudge fires and making a cloud of smoke that will hang like a mantle over the orchard and prevent frost. If it is the oranberry-grower of New Jersey or Wisconsin, he will flood his bogs and go to sleep, for only a heavy freeze can hurt his crop. If it is the tobacco-planter, he will cover his yeding plants with canvas and keep out the cold. The strawberry gardener will throw straw over his beds. All of them will sleep tight, for Uncle Sam's Weather Bureau has heard from the four corners of the world that day; it has found where the storms are and in what direction they are traveling, where the "low" and "high" atmospheric pressures are and where those centers are traveling; and from all this the bureau has deduced the information centers are traveling; and from all this the bureau has deduced the information which has saved that farmer's year's work from destruction. Does the farmer at "old prob"? Not much:

Gathering Weather News,

The 200 regularly equipped chaservatories in the country are supplemented by more than 3000 voluntary co-operative stations at which temperature and rainfall observations are taken. Besides the dally weather forecasts, based upon the observations taken twice daily at 8 A. M. and 8 P. M., Washington time, the Weather Bureau issues a daily map from each of its principal stations showing in detail the atmospheric conditions over the country obtaining each morning. A have been here in councetion with the detail the atmospheric conditions over the country obtaining each morning. A monthly weather review is issued, showing the weather conditions for the month over the United States and adjoining countries and routaining elaborate meteorological charts and tables. In the climatological service there are 44 sections, marly corresponding to the states of the Union, and these compile and publish each month bulletins showing in detail the climatic conditions for the month of each of the sections. In addition to these the bureau issues occasional bulletins and the sections in addition to these the bureau issues occasional bulletins and the sections. these the bureau issues occasional bulle-tins containing the larger reports made by the experts in the various branches

knowledge and mechanical ingenuity have combined to give the is in full activity.

weather student the use of the most deli-cate and accurate instruments for measuring and recording the atmospheric pres-sure, the temperature, the direction and relocity of the wind, the variations of sunshine and clouds, the fall of rain or snow. The barometer on the roof of a high building records with executations. high building records with exactness every variation of the atmospheric pres-sure on a continuous record in the office below it. And so with the thermometers and other instruments, of which there are and other instruments, of which there are many types and the number of which is constantly increasing. There is such a thing as a self-recording sun dial, which keeps a record of the sunlight and clouds for a month at a time on blue print paper. At the volunteer stations the rainfall is measured in a simple rain-guage, which has a funnel-shaped mouth leading into a vessel of exactly one terry guage, which has a funnel-shaped mouth leading into a vessel of exactly one-tenth the superficial area of the mouth of the funnel. The water in this vessel is meas-ured, and if there is ten inches of water in it, the rainfall has been one inch. At the more important stations, the rainfall is measured by self-recording instru-ments which are graduated to one-hun-dredth of an inch.

The Weather Bureau costs Uncle Sam about \$1.500,000 a year. Over against this

The Weather Bureau costs Uncle Sam about \$1,500,000 a year. Over against this may be set the fact that a single cold waye warning once saved \$3,500,000 worth of property, that a flood warning saved \$15,000,000 worth of property and many lives in the Mississippi Valley, that storm warnings displayed one day detained in nort coast vessels with their care valued at \$30,000,000, which otherwise would have had to recken with one of the most terrific hurricanes ever known on the Atlantic.

Men Who Head Service.

combined knowledge and experience enable them to tell these farmers how to care for their crops. Through the same agency the mariners of the United States are warned of the dangers of approaching storms. Through the same agency the dwellers in great river valleys are cautioned when there is a flood dears cautioned when the cautioned when the cautioned the stignt of the Great Lakes and the Atlantic Coast. Its scope and purpose were gradually enlarged and in 1891 it became a branch of the Department of Agriculture. Bureau dears cautioned when there is a flood dears cautioned when the cautioned whe The daily service of weather predictions was begun in the United States in 1850 by the Signal Corps of the Army and Department of Agriculture, Professors Harrington and Moore, Professor Moore, the present chief, has been conducting the affairs of the bureau since July, 1895. iceland? The Weather Bureau does Also from St. Petersburg in Russia, from Irkutsk in Siberia, from the Azores Islands, from the Bermudas, from the Bureau since July, 1885. The work of the service has grown constantly, and in the past few years, thanks to rural free delivery and the telephone, it has increased its scope to a wonderful degree. Each day the observations taken the day before are added to the stock of knowledge of the experts, and with each day the errors arising from imade-uniate knowledge are fewer. The service is becoming more and more efficient, and s becoming more and more efficient, and while it never will be perfect and in-failible, it is destined to have a great share in the continued prosperity of the

First Weather Forecasters.

To the United States belongs much the credit for the development of the science of meteorology. Benjamin Franklin, by means of his own observations and his private correspondence, found that storms moved northeastward from Philadelphia toward New England. Thomas Jefferson at Monticello and James Madi-son at Williamsburg, in Virginia, took a series of simultaneous observations in the years 172-1777, and certain conclusions years 1732-1777, and certain conclusions were drawn from them, so that the belief took shape that storms had a certain progressive movement and a whirling motion at the center, the foundation of the science as it is known today. About the mame time two French scientists proposed to establish stations over a large territory and to take observations to discover the rules of the storm king's court.

But it was the invention of the tele-

But it was the invention of the tele-graph that made the plans practicable. Professor Joseph Henry, of the Smith-sonion Institution, who had aided in the perfection of the telegraph, began to draw weather maps, and as early as 1856 he dis-played them each day at the institution in Washington. The Civil War interrupt-ed the work in America. In 1863 France ed the work in America. In loss france began the publication of a daily weather map, which has been kept up over since. Seven years thereafter the United States began to issue its daily map. Now the American meteorologists rank at the head when science kept to herself, a proud aris-tocrat, and these days when she calls up 2,000,000 farmers over the telephone to help them with their work!

Tomorrow-Our National Parks.

reach BANK CHARGES FRAUD

FRICTION AT FORT RENO

Argentine Volcano in Action.

LIMA, Peru. May 3.-The volcano o

investigation is Made of the Watchmakers.

GOODS CHEAPER ABROAD

Foreign Dealers Get Trust's Time pieces for Lower Prices Than Are Exacted From the American Purchasers.

WASHINGTON, May 3.-Charles E. Keene, of New York, president of the Independent Watch Dealers' Association today conferred with Assistant District Attorney Purdy concerning an investigation the Department is making into the methods of the watch trust. Mr. Keene presented to Mr. Purdy, he said, evidence concerning the operations of the trust. He asserted that American-made watches could be purchased in various European countries for much less than they could be bought in this country and that the watch trust sold watches to foreign dealers at a much less price than they quoted to American dealers. He exhibited Amer-ican watches which he had purchased abroad for less than he could buy them in

Mr. Keene also called at the White Mr. Keene also called at the White House today and offered to President Roosevelt a watch with an American movement and American case which he had purchased in England from a dealer who had paid the watch trust \$7.26 for it. The watch, he said, would cost an American dealer \$18.58. The watch was engraved as having been presented to President Roosevelt as a demonstration of the methods of the American watch trust. The President declined to accept the gift. Later in the day Mr. Keene sent the watch to the President with a letter urg-

watch to the President with a letter urg-ing him to accept it and saying: "You will find engraved on this watch, in as few words as possible, indisputable evidence of the watch trust methods, which show serious discrimination against the American dealer in favor of the for-

In a letter which Mr. Keene left with the President, he said he purchased American watches in Europe in substantial quantities and brought them back to New York to undersell the market. "Be-cause of this." he said, "the trust is trying to stop my supply in Europe, in a way Sherman anti-trust act. I think I have sufficient evidence to convict the trust criminally for conspiring with English dealers to prohibit my agents from exe-cuting my orders for the purchase of American watches in the English mar-

THIRD DAY OF HORSE SALE

FORTY ANIMALS SOLD AT AVER-AGE PRICE OF \$260.

This Is Record for West, and Places Portland on Equality With Big Eastern Markets.

The third day of the horse sale at Irv ington Track showed increasing interest on the part of buyers and high values were realized. The Brook-Nook horses arrived in the morning and were led directly to the track and soon appeared in the sale ring. Even the leisurely methods of the Northern Pacific failed to take away the spirit and indications of speed and quality in these high-class young-sters. Grandsons and daughters of the great Wilkes sires, of Mambrino King, long known as the handsomest horse in the world, and of famous matrons from the bine grass country quickly changed hands under the persuasiveness of the Missouri auctioneer and 40 horses sold at an average price of nearly \$200. This is so far a record sale in the West, and according to Eastern horsemen present compares most favorably with the great sales n established Eastern markets. The sale will be concluded today, the reinder of the Brook-Nook horses will sold this morning, commencing at 10 lock. The Portland Horse Sale Com-

o'clock.

Fasig-Tipton Company the claim to a high-class distributing market. The Brook-Nook stalllons previously sold won seven blue ribbons at the Oregon State Fair of 1908, and those offered in this sale will be heard from in future shows and other events of interest in the horse world. Yesterday's sales were as follows

world. Yesterday's sales were as follows:

Nocturno. blk. s. s. by Alfonso-Dark Night. C. H. Brown, Oakland. Or. \$380.

Luster, b. s. 4 by Alcone-Lella. S. B. O'Neal, Vernon, B. C. \$225.

Sash, b. g. 4. by Montview-Belt, J. M. Murchie, North Yakima, Wash, \$75.

Klickitat, b. m., 4 by Keeler-Cree, D. A. Lovet. city, \$175.

Klickitat, b. m., 4 by Montview-Begno and Chippy b. m., 4 by Montview-Chat. S. O'Neal, Vernon, B. C. \$570.

Atabal, b. g., 4 by Keeler-Attai, W. Perdue, Spokane, \$300.

Sleep, b. m., 4. by Montview-Chat. S. O'Neal, Vernon, B. C. \$570.

Atabal, b. g., 4 by Keeler-Attai, W. Perdue, city, \$200.

Charla, ch. m., 4, by Alfonso-Chilt Chat. W. M. Ryan, city, \$100.

Bunting, br. m., 5, by Vice Regent-Buibbui, and Maccac, bt. m., 4, by Alfonso-Macao, R. W. Neal, Vernon, B. C. \$200.

Erneato, b. g., 4, by Alfonso-Embia, J. C. Paulsen, Seattle, Wash, \$230.

Chip Chap, br. g., 4, by Alfonso-Chilt Chaff, G. Dammier, city, \$250.

Herb, ch. g., by Star Ruby-Ginger, J. A. Murchie, North Yakima, Wash, \$80.

Meric, bik. m., 4 by Star Ruby, Peswee, O. Smith, LaFayette, Or., \$250.

Javelin, b. g., 4, by Alfonso-Misy, S. R. O'Neil, Vernon, B. C. \$240.

Brule Sloux, b. g., 4, by Alcone-Belle, M. Lee, City, \$300.

Lieutenani, b. g., 4, by Alcone-Belle, M. Lee, City, \$300.

Lieutenani, b. g., 4, by Alcone-Belle, M. Lee, City, \$300. enant. b. g., 4, by Alcone-Lady cod. G. C. Bamford, Gresham, Or.,

Blackwood, G. C. Bumford, Gresham, Or. \$185.
Night Warbler, b. m., 4, by Alcone-Dark Night, R. W. Neal, Vernon, B. C., \$228.
Timsthy, b. g., 4, by Alcone-Panny, R. W. Neal, Vernon, B. C., \$125.
Chisen King, ch. g., 4, by Keeler-Cansmah, R. W. Neal, Vernon, B. C., \$125.
Lotte, b. m., 4, by Vice Regent-Lady Parks, N. M. McDaniel, city, \$235.
Gingill, b. m., 4, by Alcone-Kreutzer, E. R. O'Neal, Vernon, B. C., \$220.
Plover, ch. m., 4, by Montriew-Pipit, J. M. Murchle, North Yakima, Wash, \$200.
Nigromance, b. m., 4, by Vice Regent-Necromancy, J. M. Murchle, North Yakima, Wash, \$200.
Nigromance, b. m., 4, by Vice Regent-Myna, J. M. Murchle, North Yakima, Wash, \$15.
Shiifa, b. m., 4, by Vice Regent-Myna, J. M. Murchle, North Yakima, Wash, \$115.
Nun Bird, b. m., 5, by Vice Regent-Myna, S. R. O'Neil, Vernon, B. C., \$255.
Litt, br. c. 2, by Jim Hamilton-Latatat, M. H. Williams, North Yakima, Wash, \$252.
Lost Bird, blk, S., 2, by Alcone-Jenny Day, J. L. Eldson, Sliverton, Or., \$568.
Rip Van Winkle, ch. s., 2, by Jubilee ds Jarnette-Jet Wible, J. W. Brown, Airlie, Or., \$270.
Starnel, b. s., 2, by The King Red-Star Cluster, C. L. Mulkey, McMimyville, Or. \$185.
Stannel, b. h., 2, by Keeler-Chaffinch, W. W. Smith Laffsvette, Or., \$205.

Stannel, b. h., 2. by Keeler Chaffinch, W. W. Smith LaFayette, Or., \$205.
Battle Wings, b. s., 2. by Jublice de Jarnette-Flower Bud, J. W. Brown, Airlie, Or., \$305. Yaffie, h. s., 2, by Kecler-Eccle, J. W. Brown, Airlie, Or., \$215.

Boy Ties World Record.

SPOKANE, Wash, May 2.—George Rouse, a Spokane High school boy, yesterday broke the interscholastic record for the 50-yard dash and tied the world's amateur record by making the distance in 0.5.2-5 at the big interscholastic meet being held at Whitman College. There are 25 schools in the meet and 250 athletes.

Chet Loomis Made Captain.

Chet Loomis, who played tackle for the Hill Military Academy last season, has been elected captain of the football team for the coming year. Loomis has played on the team for the past two years and is considered a very strong player. The Academy base ball team will meet the East Side High School team this afternoon on Multnomah field at 2:30. Chet Loomis, who played tackle for the

Deaf Mutes Meet Defeat.

The Portland High School defeated the baseball team of the Washington State School for Deaf and Dumb mutes yester-day afternoon, by a score of 8 to 3. The contest was only a practice game, bu both teams played good ball for amateur

Sets Hearing of Standard Case.

ST. PAUL, May 3.—Judge Sanborn, of the United States Circuit Court, today announced that Judges Sanborn, Vander-venter, Cook and Adams would jointly venter, Cook and Adams would jointly hear the arguments upon the exceptions to the bill of complaint filed by the United States against the Standard Oil Company of New Jersey on May 24.

This is the case brought by the Federal Government against the Standard Oil Company in the United States Circuit Court at St. Louis under the antitrust law to enjoin an alleged conspiracy to restrain trade. It is expected that a to restrain trade. It is expected that a rather formidable array of talent will be present to argue upon the exceptions.

Standard Argues for New Trial.

CHICAGO, May 3.-In presenting argu ment today on his motion for a new trial in the Standard Oil rebate case recently decided against that company in the Federal Court, John S. Miller declared that the Elkins act, as applied to interstate shipments, is in violation of the four-teenth article of the Constitution of the

The attorney announced at the com cement of his argument that withou



When cooks fail you and servants fail you, there's

Shredded Wheat

to lean upon in every emergency. Ready-cooked and ready-to-serve, it presents all the strength-giving elements in the whole wheat grain in their most digestible form. The ideal food for growing children, supplying all the energy needed for study or play.

For breakfast heat the Biscuit in oven to restore crispness, pour hot milk over it, add a little cream and a little salt; or, sweeten to taste. Shredded Wheat is also delicious and wholesome for any meal in combination with fresh or preserved fruits. At your grocers.

No Hope--One More Trial

Ulcers in the Stomach -- Hemorrhages -- She Could Eat Nothing -- Bowels Inactive.

And Yet Another Wonderful Cure by Hood's Sarsaparilla.

"Twelve years ago I began to have hemorrhages and four years ago became so low that the physician told me there was no hope and I should soon die. I could not be moved from my bed. Under my face were napkins continually reddened with blood from my mouth. I could eat nothing and had no action of the bowels for a week. The doctors said the cause was ulcers in the stomach. At this time my mother said she wanted to make one more trial, and asked if I would take Hood's Sarsaparilla. I told her

It Would Be a Waste of Money

But finding it would comfort her, I began taking it. In a few days the bloating began to subside, I seemed to feel a little stronger, but thought it only fancy. I was so weak I could only take ten drops of Sarsaparilla at first. In two weeks I was able to sit up a few minutes every day. In a month I could walk across the room. One day I asked what they were to have for dinner, and said I wanted something hearty. Mother was so happy she cried. It was

The First Time I had Felt Hungry for Two Years. I kept on with Hood's Sarsaparilla and in six months was

as well as ever in my life. It is now four years since I recovered, and I have not had a day's sickness since, nor any hemorrhage. If ever a human being thanked the good saparilla, and that alone, unquestionably saved my life." Lord on bended knees it was I. I know that Hood's Sar- Miss Lettie Huntley, Cortland, N. Y.



Hood's Sarsaparilla

Sarsatabs For those who prefer medicine in tablet form, Hood's Sarsaparilla is now put up in chocolated tablets called Sarsatabs, as well as in the usual liquid form. Sarsatabs have identically the

same curative properties as the liquid form, besides accuracy of dose, convenience and economy. There is no loss by evaporation, breakage or leakage. Of druggists or by mail. C. I. Hood, Co., Lowell, Mass. Guaranteed under the Food and Drugs Act. June 36, 1996. No. 324

prejudice to the motion for a new trial, he would also move for an arrest of judg-

Referred to the City Council.

Referred to the City Council.

PORTLAND, May S.—(To the Editor.)—In regard to the City Council: Some years ago a friend of mine consulted a prominent physician for an ailment. The only information my friend could obtain from the good dector was that the allment was symptomacic. Some of the gentlemen of the Council, when reference is made to any supposed short-comings of theirs, seem to be laboring under a kind of "bogus righteous indignation." as if someone had said something that ought not to have been said. The position assumed by the Council members when any reference is made as to some of their acts, leads me to think that if there is no ailment there, the apparent condition is at least symptomatic.

W. S. WARD.

Wilson Denies Resignation Asked. SAN FRANCISCO, May 3.—Railroad Commissioner Andrew M. Wilson, to whom Governor Gillette yesterday sent a communication, asking for his resignation on account of the confession made by him before the grand jury detailing his participation in the graft of the Board of Supervisors, of which he was a member, declared this morning that he had not received the letter from the Governor and declined to make any state-

ernor and declined to make any state ment as to the action he will take. VOTE FOR JOHN P. KAVANAUGH For City Attorney.

KISER FOR SCENIC PHOTOS.

Mischief "Too tight" or "too loose" plays the mischief with

feet. Crossett Shoes are chiropodists' enemies. When your feet slide into Crossett's they will sigh: "For this relief much thanks."

Makes Life's Walk Easy

Call on our agent in your city, or write us

LEWIS A. CROSSETT, Inc., No. Abington, Mass.



Buy Millinery Today From the Manufacturer and Importer—at Retail. Pay a Little Less Than the Factory Cost-THAT'S ENUF.

What's the use trying to choose from a small retail stock, where you must pay the customary 300 to 400 per cent profit price, when you can pick your Summer Hat from

A FACTORY AND IMPORT STOCK

And save one-half to three-fourths on the price?

SEE OUR WINDOWS! OPEN THIS EVENING 'TIL 10 O'CLOCK

Remember the location—entrance at 326 Washington street, next door above Goddard & Kelly's Shoe Storecorner Sixth and Washington. Look for the big signs of the monster factory sale of millinery.

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