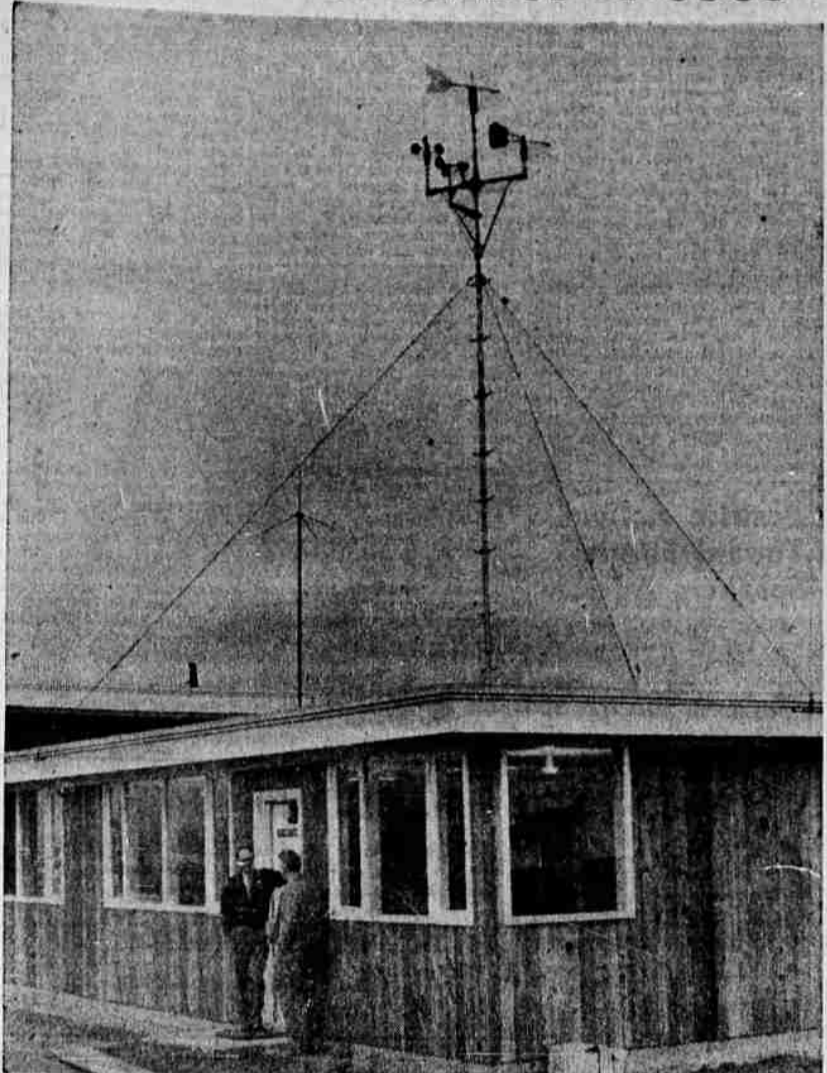
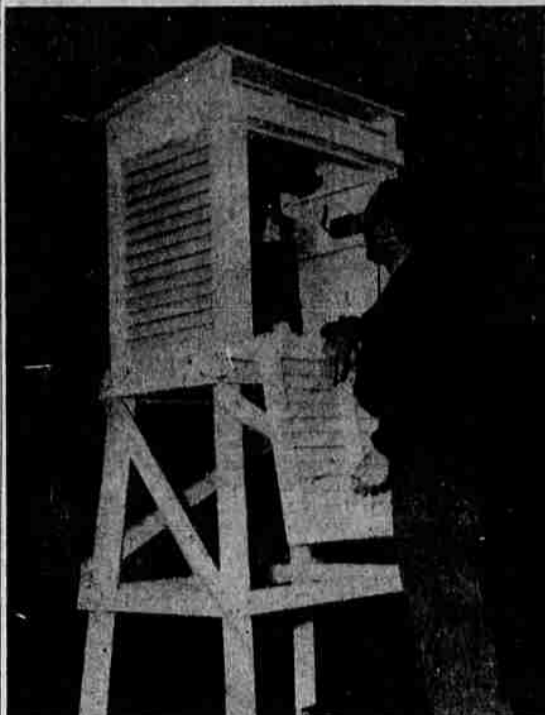


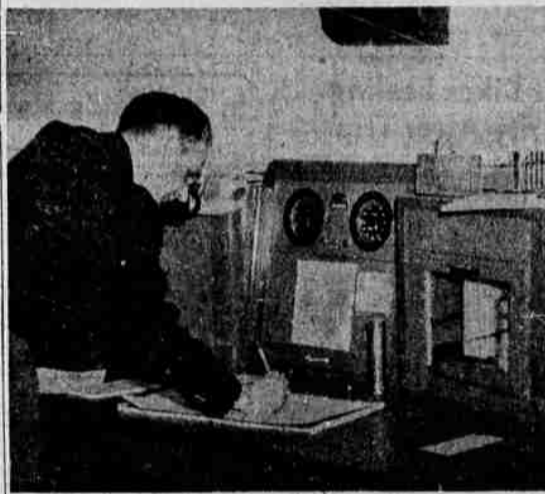
# Western Weather Poses Forecast Problems



**THE WEATHER SHACK** — The U. S. Weather Bureau in Roseburg shares quarters with West Coast airlines in a building at the airport. Aels Lander, meteorologist in charge, chats with reporter. (Picture by Paul Jenkins)



**READS TEMPERATURES** — Hourly checks are made on delicate thermometers housed outside the U. S. Weather Bureau station in Roseburg. Here, Weatherman Lander takes readings. (Picture by Paul Jenkins)



**INTO THE RECORDS** — Lander records an hourly observation. Two dials in center of picture show wind velocity and direction, while at far right, barometer falls. (Picture by Paul Jenkins)

## Lack Of Pacific Stations, Mountains Double Up On Weathermen In Coast Area

Out at the Roseburg Airport is a building containing many instruments and three persons often the most misunderstood in the city. They are the staff of the local office of the U. S. Weather Bureau. In a series of two articles Saturday and Monday are explained problems they encounter and the services, many unknown to the public, that they perform. This is the first article of the series.

By **CHUCK GRELL**  
Aels Lander, meteorologist in charge of the Roseburg weather station, goes Ben Franklin one better.

Franklin said: "...in this world nothing is certain but death and taxes."  
Apprehensively, Lander adds:

"...and weather."  
"We'll always have weather, he admits. But what kind of weather is a question that makes him apprehensive at times."  
Weather in the West is unique in that patterns sometimes do not follow regulations to the limit. Lander points out that ideal forecasting situations do not exist here as in the Great Plains states, where changes can be predicted almost to the moment.

Weathermen along the Pacific Coast are doubly in a continuous problematic position. The Pacific Ocean and the mountainous terrain of the West double up on them like this:

There are but three permanent weather stations offshore in the ocean, all on ships stationed between San Francisco and Hawaii and between Seattle and Japan. All other reports must come from ships in transit, and they usually seek out the best weather for travel. All weather, good or bad, in the West can be attributed to air masses.

But, assuming that a movement has been plotted accurately, a theoretically important air mass strikes the coastline. It immediately encounters the rugged relief on the coast and slows up. Warm air masses containing moisture are lost over the cold valleys and the whole procedure of forecasting is thrown slightly out of gear.

Another situation exists in the weather, forecast in San Francisco, can sneak into Southern Oregon. The Western Oregon forecast does not count in the area.

Lander and his two assistants, Miss Elizabeth Fretwell and Leonard Hedine, do not forecast local weather from scratch. The Weather Bureau has set up a centralized forecasting system. A large staff of highly-trained meteorologists in Seattle collects hourly observations from points throughout the Northwest, and from accumulated information, issues a guidance forecast.

**Facilities Short**  
Roseburg forecasting facilities are not as complete as those in some of the better-staffed stations. For instance, Medford uses balloon-borne instruments, coupled with a radio transmitter for air-to-ground interpretations from the higher altitudes.

Roseburg has nothing like that. Lander's observation procedure is the familiar one. It includes a check of maximum and minimum thermometers, another of anemometer dials in the weather shack which record both velocity and direction of the wind, and others of rain gauges and relative humidity.

He also takes an occasional squint at the sky. "A lot of the forecasting on the Pacific Coast comes purely through experience," he comments. "To forecast accurately here, we have to know

the qualities of the air masses over the coast. That's hard to obtain, so we have to rely largely on our experience."

**Wet Winters Mild**  
Why the mild winter this year? Lander explains it through a rule of thumb. Most wet winters in Oregon are mild ones. Precipitation this year has been well above normal. The typical cold weather of the Northwest originates in the Fraser River Valley of British Columbia, Lander says, and sweeps into this area by an easterly circulation of air masses. The cold of the Rockies is that same cold we get here.

But the coast this winter apparently has been hit directly by storms from off the Pacific. The saturated Pacific air is warmed by warm ocean currents. Warm air soaks up more moisture than cold air.

The warm air encounters the mountains, cools, and we get wet. On Monday, development of weather services here is described.

**Soviet Delegate Maintains Aim Is Toward Peace**

UNITED NATIONS, N. Y. — Russia's Valerian A. Zorin said Thursday "the preservation of peace and the struggle against a new war has been and is the main concern of the Soviet Union."

His declaration was made during disarmament debate before the U. N.'s 60-nation Political Committee where U. S. Delegate Ernest A. Gross challenged him Wednesday to demonstrate by deeds the sincerity of Prime Minister Georgi M. Malenkov's peace bids.

Zorin answered two questions which Gross put directly to him, but the replies failed to disclose any change in the Soviet attitude that might lead to a break in the seven-year deadlock on atomic control and disarmament.

He called Gross' questions "artificial" and other statements by Gross questioning the sincerity of Russia's peaceful intentions were described by Zorin as "slander."

To Gross' question as to whether Russia is willing to discuss "constructively" the question of disarmament at this time, Zorin said Russia had repeatedly submitted proposals and they were all "designed to bring about a solution of that important problem."

**Clark Considers It All One War**

THU DUC, Indochina — Gen. Mark Clark declared Friday that the United Nations forces in Korea and those of the French Union in Indochina are fighting "one war" in which he sees "no indications" of an early end.

The U. N. and U. S. commander in chief in the Far East told news-men at a training ground for the Vietnamese Army just outside this little town 12 miles east of Saigon that he was impressed by the "intent interest" shown by the French in helping the Viet Nam government build up an army which one day may be able to defend its own country.

Asked whether he thought the conflict in Indochina might end quickly if the Korean war was terminated, Clark replied: "There is no indication from where I sit in Tokyo whether we are going to wind up the war in Korea."

Clark arrived here Thursday from Tokyo for the four-day look at the training of native forces and at the uses being made of U. S. military aid.

**Meat Producers Told To Tighten Up Belts**

CLAYTON, N. M. — The nation's meat producers are faced with moving back to the ranch to milk the old jersey and tend the garden and chickens.

The honeymoon in the cattle business, says Ed Heringa, president of the New Mexico Cattle Growers Association, is over.

The veteran rancher Friday advised his industry associates in rodeo language to "take a deep seat and get ready for a long ride."

By being conservative and industrious and "being more careful of expenses instead of living in town and toasting ourselves before the gas fireplace" the cowman will always have a home, Heringa predicted.

**Bill Would Permit Use Of Machines For Voting**

SALEM — A bill to let counties use voting machines had the blessing Thursday of the House Elections Committee.

The bill, which the committee endorsed unanimously, was introduced by Rep. Earl Hill, Cushman, Lane County. He says voting machines would reduce the cost of elections and speed up the vote count.

The committee acted after it inspected a voting machine brought here from Seattle.

**Notice To Our Customers**

Due to the construction now in progress on the Mt. Nebo road, it will occasionally be necessary for us to start our routes one to two hours earlier than in the past.

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**CLASS TO RESUME**

The First Presbyterian Church of Roseburg announces that the Sunday School class for married couples will start again Sunday, March 22. Dr. Morris Roach, pastor, will teach the group.

**Actress Vivien Leigh Returns Home To London**

LONDON — Alling actress Vivien Leigh came home from Hollywood Friday with a bunch of red roses in her arms, a big smile on her face and three doctors at her side.

Her husband, Sir Laurence Olivier, was with her as she stepped down from a BOAC Stratocruiser. She suffered a nervous breakdown while making a film called "Elephant Walk" and Sir Laurence flew out to Hollywood to escort her home.

## Tidelands Bill Wins Approval Of House Group

WASHINGTON — A House judiciary subcommittee Wednesday approved legislation to give coastal states title to the lands beneath the marginal seas.

The bill is expected to come before the full Judiciary Committee next Tuesday.

It authorizes the secretary of the interior to develop the oil and gas resources in the continental shelf out beyond the state's seaward boundaries as confirmed in the legislation. It does not give the state ownership to the land out the continental shelf.

**Three Mile Limit**  
The measure recognizes the state ownership of the land out for a distance of three miles from the shore. It further adds that nothing in the measure shall prejudice the claims of states to the submerged areas out beyond the three mile limit.

The committee aide said this provision was meant to meet the claims of Texas and Florida to three leagues, or 10 1/2 miles, out from shore as their state seaward boundary in the Gulf of Mexico.

**He Would Sign**  
President Eisenhower has said he will sign such legislation if it reaches him. President Truman repeatedly rejected such plans, and one of his last official acts was to declare the lands in question a naval oil reserve.

The Supreme Court has ruled that the United States as a whole had paramount rights over the lands.

## Baby Sitter's Father Gets Punched In Nose

PORTLAND — A baby sitter's father showed up to take her home but because of a speech impediment he failed to identify himself. As a result he was tackled and slugged.

Vern R. Lewis told police Wednesday he found a man on his porch when he returned home after escorting home their baby sitter. The man asked for Grace. The baby sitter—Bertha Grace Wolf—was known to the Lewises as Bertha, so recalling a recent attack on a baby sitter in Portland, Lewis pressed some questions.

But Marvin Wolf, 47, the man on the porch, didn't answer because of his speech impediment and started away.

Lewis caught him and punched his face. Then he took the man home and found out he was the baby sitter's father.

Lewis said he was sorry.

## General Electric Offers Living Cost Pay Boost

NEW YORK — The General Electric Co. Wednesday offered 205,000 employees throughout the country a wage boost based on living costs — and indicated it would amount to a little less than 2 per cent.

The company's proposals were outlined in separate meetings with the CIO International Union of Electrical Workers and the United Electrical Workers (Ind.).

These two unions represent about 120,000 of the company's employees.

However, the company's wage proposals, in varying forms, were designed to cover its entire work force in 114 plants.

## Eugene Firm Launches Glass Boat Building

EUGENE — After more than a year of experimental design, a Lane County firm has launched production of fiberglass boats.

Partners Jim Lee, Joe Mattiesen and James Maples reported Thursday that their Cedarcraft Products plant west of Eugene is currently turning out one 15-foot boat a day.

The boats are cast in hull and deck molds from materials which include glass cloth, glass mat and paint-impregnated resin.

The partners said the new boats require no maintenance and offer qualities of lightness and superior strength.

The firm now has distributors in Oregon, Washington and Alaska.

## Alaska Chief Glad U. S. B-50 Returned Fire

Juneau, Alaska — Gov. Ernest B. Gruening, commenting on the air incident near the Kamchatka Peninsula in which a Russian type jet fighter exchanged shots with an Air Force B-50 over international waters Sunday, said: "I am glad the B-50 returned the fire. It was a proper procedure. It emphasizes the necessity of our being constantly on the alert, as we are in Alaska."

Legislators now in session here expressed concern. Some said they felt it might be another in a series of Russian-provoked incidents.

Others said they were more concerned over reports in recent weeks of vapor trails sighted far above the Alaska mainland in isolated sections of Northwest Alaska, which they said they look for granted were Russian jet incursions.

Senate President Charles Jones (R-Nome) commented: "This is probably just an unrelated incident. It does not alarm me but does give me grave concern. Reports of high vapor trails seen by Eskimos far north of my home city (Nome) on the coast facing Russia seems more serious to me."

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'51 CHRYSLER Windsor <i>Fordor, R.H.</i>	2295	689.	61.58
'51 FORD Victoria <i>Hardtop, R.H.</i>	1995	600.	53.47
'51 MERCURY Club Sdn. <i>Overdrive, R.H. Low mileage.</i>	2095	630.	59.14
'51 NASH Rambler <i>Station wagon. Overdrive, R.H.</i>	1495	450.	40.06
'51 OLDSMOBILE Super <i>Fordor. Auto. trans., R.H.</i>	2295	689.	61.58
'51 PONTIAC Catalina Super <i>Auto. trans., R.H. Low Mileage</i>	2445	735.	65.54
'51 PONTIAC Tudor <i>Two-tone blue, R.H.</i>	1995	600.	53.48
'50 BUICK Sedanette <i>Special, R.H. beautiful condition.</i>	1645	394.	49.76
'50 CADILLAC 62 Series <i>Fordor. Loaded, like new.</i>	3295	990.	88.36
'50 CHEVROLET Dlx. Club Cpe. <i>Tailored seat covers, R.H.</i>	1495	450.	40.25
'50 CHRYSLER Fordor <i>New Yorker. Loaded. Very low mileage.</i>	1895	570.	50.99
'49 CADILLAC 61 Series <i>Fordor. Auto. trans., R.H. Sharp.</i>	2495	750.	66.89
'49 MERCURY Fordor <i>R.H.</i>	1395	420.	37.38
'48 CADILLAC 62 Series <i>Fordor. Loaded. Low mileage.</i>	2195	660.	58.37
'48 CHEVROLET Aero <i>R.H. Rebuilt engine.</i>	895	270.	24.38
'47 FORD V-8 Tudor <i>New engine, new tires.</i>	795	240.	21.65
'49 CHEVROLET Suburban <i>8-passenger. Ideal Crummie.</i>	1095	330.	29.84
'52 CHEVROLET 1/2-Ton <i>Pickup. Less than 3,000 miles.</i>	1595	480.	42.75

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