

# WEATHER BUREAU INAUGURATES NEW FORECASTING AID

## Movement of Various Air Masses Now Mapped for Deductions On Coming Conditions—Helps Airmen

Air mass analysis—the newest weather forecasting aid—is going into general use at the field stations of the U. S. Weather Bureau, including those along the airways, W. R. Gregg, chief of the bureau, announced today. After several months of preliminary work, specially trained meteorologists in the central office in Washington, D. C., are now able to map the various air masses and their boundaries, or "fronts," with greater accuracy than heretofore possible. Mr. Gregg says. These new air mass maps help round out the whole weather picture which the forecaster must have before him as he makes his deductions about coming conditions. Formerly he worked with maps showing only the more general conditions in the atmosphere as wire-lesed or wired each morning to the Weather Bureau from all around the globe.

Under the new arrangement, which goes into effect at once, a summary based on the 8 a. m. weather map and describing existing air masses and their fronts will be transmitted, by airway radio and by teletype, daily, except Sundays and holidays, from the central office. From these summaries, maps will be prepared at the various forecasting centers in the field. Mr. Gregg says the summaries will serve also as a check on the individual deductions of field observers in the practical application of air mass data. The bulletins from the central office will embody the conclusion of the best trained air mass analysts in the bureau.

**Given Third Dimension**  
Finding and naming the air masses, Mr. Gregg explains, gives the forecaster a third dimension for his study of the conditions that determine, as the term is used in forecasting, an air mass is an aggregation of air having fairly definite characteristics, such as pressure, moisture, and temperature, throughout, even when it is big enough to cover a whole group of States, or even most of the continent.

These air masses constantly move from one part of the earth to another. The boundaries of air masses—their fronts—are not steep walls. They have a gradual slope, which lets

# They Took Part in Successful CCC District's Conference



In the group pictured above are many of the Forest Service officials, army officers and educational leaders who participated in the welfare and educational conferences held in Medford October 21 and 22. Identification of everyone in the picture would be difficult, but the front row includes many of the speakers who appeared on the program. Front row, left to right: Lieut. L. G. Cronkrite; Captain F. H. Canlett, district inspector; Major James Frankland, forest service regional engineer, Portland; Karl Janouch, supervisor, Rogue national forest; David Canfield, George Griffith, director of education and information, regional office, superintendent Crater Lake national park; L. S. Cronmiller, Oregon state forester; Major George R. Owens, district commander; M. J. Bowen, special inspector, Washington, D. C.; Dr. J. B. Griffing, civil educational adviser, Ninth Corps Area; Captain William C. Ryan, district welfare officer; Lieut. Roy Craft, assistant welfare officer; Eugene C. Golden, district educational adviser, Medford district; H. M. Broadbent, district adviser, Vancouver Barracks; E. W. Field, district adviser, Fort MacArthur; V. V. Harpham, supervisor, Umpqua national forest; and Dr. P. J. Hitter, district adviser, March Field.

the warmer air overrun the colder currents. This causes rain in much the same way as when warm air is forced up a mountain slope. Pronounced weather changes at the earth's surface are most likely to occur near these fronts. To the forecaster, a "warm front" is the line of advance of warm air moving into space formerly occupied by a cold air mass. A "cold front" is the advancing boundary of cold air displacing a mass of warm air.

Weathermen have divided air masses into 13 groups—"polar continental," originating over northern or western Canada; "polar Pacific," air that comes from the northern Pacific ocean; "tropical Gulf," from the Gulf of Mexico; and so on.

**Track Air Masses**  
The trick in using air mass analysis for forecasts, Mr. Gregg says, is to know the direction and rate of movement of air masses and, particularly, to figure out just where and where two contrasting masses will interact to produce storms. A small group of meteorologists have been specially trained to track these air masses day by day. They get their most useful information from observations obtained by daily airplane flights at 25 specially equipped stations. The possibility of error in picking out insignificant air masses for the forecaster's use is always present, especially for the western part of the weather map of the United States.

There is no way to check up on air mass movements in the western part of the Pacific ocean. The day-by-day sequence of events in the sky—on which the forecasters depend in judging what kind of weather is coming—cannot, therefore, be traced as far back in their history in the Far West as can be done on the East coast. Fronts along the Pacific coast can be identified only from their most recent behavior.

As a further aid in the practical application of air mass analysis, Mr. Gregg adds, two extra observations particularly useful in identifying air masses—equivalent potential temperature and specific humidity—will be included in the airplane weather reports sent out each day over the airway radio and the teletype system that connects approximately 25,000 miles of airways and weather stations. These data will be given for each elevation at which temperature, pressure, and relative humidity are now reported.

# METHODIST PROGRAM FRIDAY EVENING WILL AID CHOR LOFT FUND

In order to defray the cost of remodeling the choir loft, members of the First Methodist church have arranged an entertainment for Friday evening which promises to be highly interesting. Women of the Alpha Sigma class will present a playlet, "The Fourteenth Guest," while men of the church will take over a usually feminine activity and promenade in a style show. The male contingent will also enhance the program with a skit entitled "With Compliments."

- Cast for "The Fourteenth Guest" is as follows:
- Mrs. Ames (hostess)
  - Mrs. Dorothy Hall
  - Miss Parren (her sister)
  - Mrs. Archie Pierce
  - Ida (her colored maid)
  - Mrs. C. H. Beery
  - Miss Irene Norton and Miss Helen Norton (the inseparable sisters)
  - Mrs. Pond, Mrs. Rankin
  - Miss Delafield (spinster)
  - Mrs. E. Faber
  - Mrs. W. A. Holloway
  - Mrs. Crawford (a guest)
  - Mrs. H. Nordwick
  - Mrs. Langton (her aunt)
  - Miss Bateman
  - Mrs. Waite (a guest)
  - Mrs. Hickman
  - Mrs. Foster (a guest)
  - Mrs. Walker
  - Mrs. Anthony (a guest)
  - Mrs. C. Darby
  - Mrs. Barton (the deaf guest)
  - Mrs. J. C. Tucker
  - Mrs. Merrill (a guest)
  - Mrs. Huckabee
  - Maggie (her Irish maid)
  - Mrs. Waldron
  - Dr. Merrifield (distinguished guest)

Participating in the style show will be found Rev. Knotts, H. C. Hitz, E. F. Neuman, Bob Christner, Arthur Cook, Ray Henderson, Everett Faber,

Mr. Severson, Howard Poffenbarger, Donald Cook, Harry Nordwick, Messrs. Twedell.

Cast for parts in "With Compliments" are F. F. Burke, Howard Poffenbarger and Bob Christner.

Musical numbers will also be presented on the program which is to be given in the church gymnasium, starting at eight o'clock. A small admission charge will be made. Tickets may be obtained from F. F. Burke or Mrs. Archie Pierce.

# Activities of Legion Auxiliary

Join the American Legion Auxiliary—this should be the slogan of every eligible woman in the community as the well remembered Armistice day anniversary approaches. It should mean more this year than it did last year. We should strive harder this year than we did last year for adequate national defense. Our veterans' hospitals are today an example of the burden caused by going into a war unready.

In order to aid children of World War Veterans, and others, our auxiliary is devoting large parts of its program in both time and money to child welfare. Since we in southern Oregon have a veterans' hospital located in Roseburg, the welfare condition has become quite a problem. When veterans are sent to the hospital they bring their families with them, thus creating a serious relief problem. As the man of the family (the breadwinner) is ill, he is unable to work and with no work and a very slight aid from the government, in some cases, the family is soon in want. Therefore, it becomes a problem for the American Legion auxiliary to supply these families with temporary relief until something can be done for them from the government or from their relations. In some cases it is months before any help is received from the government or other sources. The units of southern Oregon help the welfare chairman of the Roseburg hospital (a member

of the Roseburg unit of the American Legion auxiliary) in whatever way is possible. In Medford we have helped many families directly by buying food and supplying clothes or making clothes for them, as well as furnishing baskets of food for Thanksgiving and Christmas. Last year the auxiliary of Medford distributed over 100 glasses of jelly and jam to the needy families.

This service takes time and financial aid and does not work a hardship on anyone when there are a number of willing hands. Will you not be one of those who help in this way? Be proud of your right to a membership in our auxiliary. Be happy in serving and aiding others. Join with us in this great project. See that your dues are in before Armistice. Make this organization your organization and help those less fortunate than yourself.

If you have a neighbor who is timid and does not wish to call the membership chairman, help her by notifying the chairman of this eligible woman and she will be called on and made welcome. Call Mrs. Cole Holmes for information. Send dues to the secretary, Mrs. Belva Aiken, 19 Ross Court, Medford.

Mr. C. A. Wabbe will be at Gus the Tailors on the 8th and 7th, with a full line of Storm-Schaefer's suitings and top coats.

"KICKERNICK" Undergarments that fit at Ethelwyn B. Hoffmann's

Phone 542. We'll haul away your furs. City Sanitary Service.

The great auk, or garefowl, became extinct about 1844. It bred in Iceland and on islands off Newfoundland, and it could not fly.

In addition to municipal and other public marriage agencies, there are 13 private agencies operating in Tokyo.

The 25th anniversary of the inauguration of Japanese administration in Korea, was celebrated recently in Seoul.

Use Mail Tribune want ads.

# ROGERS' DEATH BROUGHT GRIEF TO ALL HOMES

Will Rogers' passing caused more genuine grief in American homes—both rich and poor—than anyone else in the 30 years of Col. Leonard W. Calvert's life.

Col. Calvert, representing an old line of southerners, and a great friend of Will Rogers, is tall, erect in bearing, wears string neckties and broad-brimmed hats and always carries a cane. He lives in Lake Charles, La.

Shortly after Rogers' death was announced, Col. Calvert made his daily trip to his barber.

"He was standing at his chair, sniffling," said the colonel. "I asked him, 'What's the matter; got a cold?'"

"No," he answered, "I'm broken up about Will; I've been crying ever since I heard about his accident."

"And that man never knew Will Rogers personally," concluded the colonel.

Millions who never met Rogers—or even saw him in real life—felt they were on intimate terms with the famous humorist. He was that kind of character.

These millions—men and women who laughed and cried with Will Rogers in his screen characterizations—now have an opportunity to contribute to a fund to be used in establishing living and continuing memorials in commemoration of the kindly humorist. Contributions are being received by the Mail Tribune. A coupon is provided for convenience.

# WALTERMIRE FINED FOR GRANTS PASS RUN-IN WITH COPS

GRANTS PASS, Nov. 7.—(Spl.)—Harold Gage Waltermire of Medford was fined \$25 by Justice of the Peace E. W. Madison Wednesday when he pleaded guilty to a state police charge of drunkenness in a public place.

Because they did not want Waltermire taken to jail, two young Grants Pass men, Roger Jeff Dew and Fred John Wolfe, were arrested and a complaint was made against Carl Bennett of Medford by the state patrolman.

Dew and Wolfe, charged with vagrancy by District Attorney Sherman S. Smith and the officer, appeared before Justice Madison on Wednesday afternoon, entered pleas of not guilty, and their hearing was set for 2 p. m. Thursday. They were accused of riotous and disorderly conduct and use of abusive and obscene language in a public place.

Bennett, charged with refusing to aid an officer, was to be brought here on a warrant issued on the complaint. Dew and Wolfe spent the night in jail, but were released to go to work Wednesday morning and Bennett was not held.

All this came about when the state officer found Dew, Wolfe and Bennett in front of the Oregon garage about 11:40 p. m. Tuesday, trying to get Waltermire into a car. Noticing the condition of Waltermire, the officer said he was going to

# BANK AT ASHLAND HAS GOOD GROWTH

ASHLAND, Nov. 7.—(Spl.)—A 20% increase in bank deposits of \$64,028.31 from June 29 to November 1 of this year, was reported at the First National bank here Wednesday by J. W. McCoy, cashier. In a report to the comptroller of currency.

The nearest call in 1934 to the date this year was on October 17, since which time deposits have increased \$187,190.15, or approximately 19 1/2 per cent. Over the same period loans increased \$69,077.06, a little over 25 per cent.

Since June 29, 1935, demand deposits have jumped \$82,330.53, and time and savings deposits have risen \$31,895.07. Increases in other departments amount to \$7,672.35, although public funds have decreased \$36,924.64. The latter figure will rise again, however, with collection of taxes now in progress.

On June 29, total deposits amounted to \$1,149,094.60 by November 1. Loans in excess \$33,087.53 during the same period, despite substantial liquidation since products began moving to market.

# WILL ROGERS MEMORIAL FUND

Local Committee of Medford

Date \_\_\_\_\_

To the Editor of The Mail Tribune:

Wishing to have a part in perpetuating the memory of one of our most beloved and useful citizens, I enclose herewith my contribution of \_\_\_\_\_ to the Will Rogers Memorial Fund. I understand that this gift will be added to others from Medford and will go without any deductions whatsoever to the National Fund to be expended, also without any deduction, as the Memorial Committee may determine.

Name \_\_\_\_\_

Address \_\_\_\_\_

**A Fine Blend of Kentucky STRAIGHT WHISKIES**

**KENTUCKY OAKS**

Blended and Bottled by W. L. WELLS & SONS, Inc. Distillers, Louisville, Ky.

# Beware Coughs That Hang On

No matter how many medicines you have tried for your cough, chest cold or bronchial irritation, you can get relief now with Creomulsion. Serious trouble may be brewing and you cannot afford to take a chance with anything less than Creomulsion, which goes right to the seat of the trouble to aid nature to soothe and heal the inflamed membranes of the germ-laden phlegm is loosened and expelled.

Even if other remedies have failed, don't be discouraged, your druggist is authorized to guarantee Creomulsion and to refund your money if you are not satisfied with results from the very first bottle. Get Creomulsion right now. (Adv.)

**Hotel San Pablo**  
SAN PABLO AVE. AT 20TH STREET  
OAKLAND CALIF.

Down Town Central

A Home Away From Home

Completely Renovated --- and Redecorated

RATES  
With detached bath from \$1.25 daily  
With Bath ..... from \$1.75 daily

FREE GARAGE NEW MODERN COFFEE SHOP

DIRECTIONS TO HOTEL  
Stay on Main Highway (San Pablo Avenue) directly to 20th Street  
Management—Harry B. Strang

STOP over night at... the SAN PABLO en route to the SAN DIEGO FAIR

# CHARLES DAVIS CALLED TO REST

Charles Davis, a resident of Medford for the past 11 years, passed away at a local hospital Wednesday evening at the advanced age of 86.

Mr. Davis was born as Keokuk Iowa, January 13, 1849, and has spent practically all his life on the farm. He was a devout member of the Seventh Day Adventist church and of true Christian faith.

Besides his wife, Georgia M. Davis, he leaves five children, Lynn and Aubrey Davis and Lettie, Hattie of Hood River, Oregon and Noel and Gladwyn Davis of Medford. Also a number of brothers and sisters, one of whom, Mrs. John Warner resides at Trail, Oregon.

Funeral services will be held at the Conger chapel at 1:00 p. m. Friday with Rev. Adolph Johnson of the Seventh Day Adventist church officiating. Concluding services will be held at Hood River, Oregon, where the remains will be laid to rest in the family plot.

# "Keep Your Credit Good"



# "Don't Be a Credit Cast-away"

CREDIT is more than a matter of money. It is a matter of character. Good credit is a progressive asset. Poor credit is a progressive handicap. What is more forlorn than the man without credit—the man who has been trusted by his fellows and has flunked that trust?

By the same reasoning, what is more beneficial than good credit? The man with good credit looks to the future unafraid. Opportunities are his. Credit, his advantage. The man alert to his interest—pays up and keeps his credit good!

**Pioneer Service Company**  
State Office—Eugene, Oregon

"PAY UP AND KEEP YOUR CREDIT GOOD"

Watch for Green and Black Hand Bills with Accounts For Sale

**KEEPING THE BALL ROLLING**  
With special values in every department

**The BAND BOX**  
The Store That Saves You Money

**BUY NOW at PRESENT TERMS**

as Low as \$1.10 a month

Monthly Payments Higher after Jan. 1

SHAVES BATHS DISHES WASH

You need a large supply of HOT WATER to meet these daily demands

heat it at low cost with a

**PENFIELD**  
Automatic Gas Water Heater

ENJOY the luxurious service the Penfield water heater renders. And forget about the cost. Your gas bill for water heating will be remarkably low; for the wonderful construction of the Penfield and its thick asbestos insulation combine to keep the water hot and reduce gas consumption.

THESE TERMS AVAILABLE ONLY UNTIL JAN. 1. Place your order now. New, low gas rates assure economical operation. Remember, please—gas water heating is the most efficient method known.

See Your Gas Appliance Dealer or

**SOUTHERN OREGON GAS CORPORATION**