

MEDFORD, OREGON, THURSDAY, OCTOBER 24, 1929.

No. 215

RUSH FINISH OF AIRPORT FOR NOV. 1

Last of 3600-Foot Runway Being Graveled—Border Lights Installed—Flood and Beacon Lights Arrive Soon—Weather Bureau Will Move in On First of Month.

Only a few details remain before Medford's new municipal airport will have been entirely completed, a visit there yesterday by a Mail Tribune reporter revealed. City Engineer Fred Scheffel has a small force of men rushing the completion and by the first of November, the airport is expected to stand as finished.

The last 300 feet of the main runway is being gravelled this week and when completed this runway will be gravelled 120 feet wide by 3600 feet long, sufficient to allow any ships now flying, or that will be built for several years, to land and take off.

Field Being Lighted
Seventy-five border lights of 25 watts each have been installed 300 feet apart, entirely around the field. Red lights have been placed at the approaches. Although they have been in operation for several nights, there have been no airplane arrivals by night as yet.

Flood lights for the field and the beacon light for the top of the administration building are expected this week.

The government has completed the installation of a ceiling light near one corner of the field and the alidade, set in front of the main entrance of the administration building, has also been installed. The alidade is used in conjunction with the light to determine the height of the clouds.

Doors were being placed on the hangar that are 20 feet high and 100 feet wide. The hangar will hold 15 ships.

Weather Bureau Quarters
The weather bureau will occupy three rooms on the second floor of the administration building and one on the third floor. They will move Nov. 1st and will be in continuous operation, using three shifts, furnishing weather reports for day and night flyers.

The furniture is being installed in the main waiting room on the first floor of the administration building, where Seeley Hall, superintendent of the field, will have his office. On this floor is also located the Pacific Air Transport office and pilots' quarters. Also the restaurant that will be leased to one of three applicants this week.

In front of the hangar and around the gasoline pits is a cement apron 200 feet wide and 1000 feet long, used in warming up ships and taking on gas.

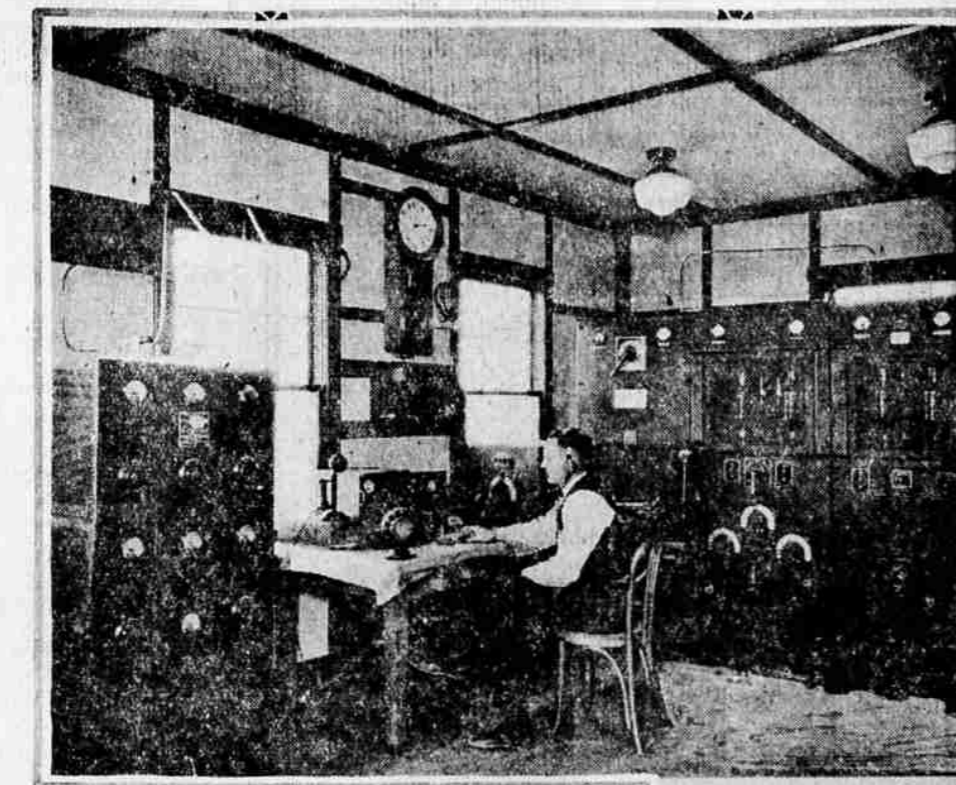
The Standard and Shell Oil companies have gas filling stations in, and the Union, Texaco, Associated and Richfield Oil companies have leases for stations to be put in soon.

Plans are also being made for the construction of pilots' quarters on the field and the temporary office is being remodeled and enlarged to provide the quarters.

While the field lights will be ready for use in a short time, night flying is not expected to begin until next spring.

NEW AND POWERFUL MEDFORD KCX AIRWAYS RADIO STATION WILL "FEED" DATA TO AIRPLANES IN FLIGHT

This 2000-Watt Installation, One of Group of Six Dept. of Commerce Stations on Pacific Coast, to Serve Government and Private "Ships"



Ships that pass in the night—now receive as much attention as those which pass in the daytime, especially from the super-radio airways communication stations of the United States department of commerce to be situated in several leading airport cities in the United States.

Medford has one of these stations. The other five on the coast are located in Los Angeles, Oakland, Fresno, Portland and Seattle. The one at Medford is the fourth station on the air.

The Medford station, known as KCX, is located two miles southeast of the new airport and two miles northeast of Medford on the Crater Lake highway. The station is completely equipped and its imposing towers, painted in the regulation colors of white, black and orange, was installed under the expert direction of R. A. Martin at a cost of about \$75,000 to the United States government.

The main building contains two rooms on the ground floor, one of which is the operating room in which is located transmitters, receiving sets and teletype machines of printers. The other is the generating room and contains the 2000-watt General Electric generator which is controlled by a switch on the operator's desk.

In case of electrical storms or when the current is off there is a reserve gasoline power plant that can be brought into immediate use, which insures the station being on the air continuously.

Station Completely Equipped
The station is equipped with two transmitters: one of low frequency and the other of high. The former, run on 200 kilocycles, is used for talking to aircraft by voice. The latter, with 5,940 kilocycles, is used in the daytime and 3,370 kilocycles at night, to transmit station to station messages along the coast.

There are also three teletypes used for receiving weather information from coast stations by wire, from the United States weather bureau offices and other sources. This information is then assembled and broadcasted.

The towers supporting the antenna are steel, 15 feet apart at the base and 125 feet high. James G. Bennett, radio electrician for coast stations in charge of installation and maintenance, supervised the installing of the equipment.

Experienced Operator in Charge
Mr. Martin, who is operator in charge at the local station, will be assisted by G. E. Robinson, second operator, Arthur D. Herbert, third operator and a fourth operator will be added about November 1.

The station is now operating 16 hours a day, two shifts, and beginning October 28, will be operated 24 hours a day, three shifts. It has been declared by visiting authorities, to be one of the very finest of the super-stations in the entire United States.

Feed Data to Airplanes
The weather bureau office will be moved to the airport next week. When this is completed regular weather reports will be communicated not only to the other stations along the coast but to all planes, government, company owned and private, in flight equipped to receive such messages. A complete compilation of weather conditions all over the United States can be made by the radio operator in charge of the local station in fifteen minutes' time.

All Planes to Have Radios
The government will require all passenger and mail planes to be equipped with radio sets and other instruments to enable them to be in constant communication with radio stations, thereby receiving weather conditions and other information with the object in view of minimizing accidents. This will also enable pilots in case of forced landings to notify radio stations of their location and will do away with being hour or days finding lost planes.

Station Not Interfere Locally
An important factor to all who have radios is the fact that the wave length of this radio airways communication station will not interfere either with the broadcast use, which insures the station being on the air continuously, nor the reception on local sets.

Having supervised the building of the station from the ground up, Mr. Martin has been ably assisted by Mrs. Martin, who has acted as his private secretary, relieving him of the innumerable details that go into the building and equipment of such a plant.

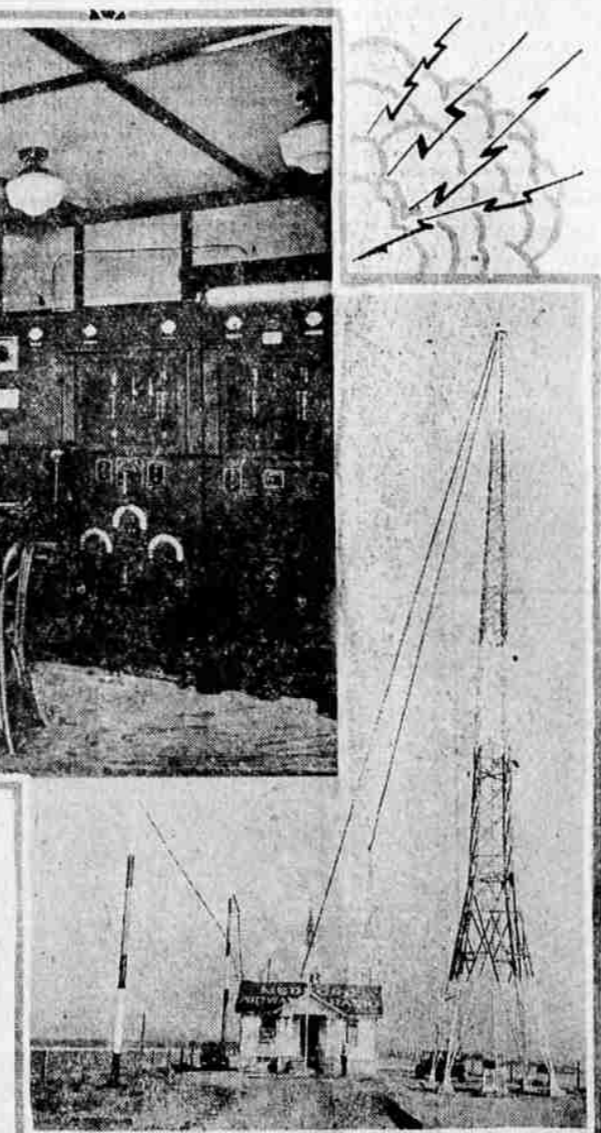
In the government radio service for over 13 years, Mr. Martin is one of the pioneers in the field. He was a first lieutenant in the signal corps of the United States army during the World war, after which he accepted service at various posts throughout the United States. He was situated at Goat Island when the airmail service was under the exclusive control of the government. Just prior to his present position he was located at Reno, Nev., for four years. Impressed with the well known spirit of Medford and having faith in its future, Mr. Martin requested his transfer to this city. Mr. and Mrs. Martin have purchased a home on the Pacific highway near Beall Lane.

Local Material Used
"I want it to be known by the people of this wonderful little city," said the station head, "that their splendid cooperation with me during the construction of the station has been greatly appreciated. I want to especially thank the merchants and business men with whom I have had contact."

"I want to make special mention of the following local firms and companies, who were the successful bidders on locally purchased materials: Southern Oregon Electric company, Porter Lumber company, R. I. Stuart & Sons, Medford Concrete and Construction company, Browne Hardware company, Rogue River Lumber company, Davis Transfer company, California Oregon Power company, and last but not least, the best Chamber of Commerce on the Pacific coast."

At least \$10,000 was spent by the government locally in the purchase of materials and labor. The station has been under construction since February, 19.

Covering a space of 1,320 by 75 feet, the radio communication property will be attractively landscaped in lawn, flowers and shrubs, contributing to the scenic beauty



Interior of KCX; in front of Mr. Martin is the receiving sets and microphone. In the foreground is the short wave transmitter, used for radio communications between airway stations. Large panels back of Mr. Martin are those of voice transmitter.

At right, one of the two high towers which support the transmitting antenna for sending voice messages. Wire at left is lead-in to station from tower. Wire on right is antenna between towers. Station building. At left of building are short wave antenna poles.

of the valley. An automatic electric pump has been installed to pump the station's own water supply which is obtained from a well 95 feet deep.

To Erect Radio Beacon
The government will erect a radio beacon of three million candle power within 1000 feet of the station, to be controlled by the operator in the station.

Work will begin before the first of the year and the beacon will cost about \$25,000.

EDEN PRECINCT
EDEN PRECINCT, Ore., Oct. 24. (Special.)—E. C. Lockwood was in Medford Monday and had a load of poultry feed brought out.

Noah Chandler and C. Carey were trading in Medford on Monday and also attended a show in the afternoon.

Mr. and Mrs. Wm. Altken of Medford spent Sunday evening at the Lloyd Colyer home.

Mrs. Leta Furry was a guest at the home of her brother, Lloyd Colyer and family, and Mrs. M. Rose, last Sunday.

Mrs. Anna Simpson of East Main street, Medford, was an over-night guest of her daughter, Mrs. Noah Chandler, Saturday night, and on Sunday took dinner with her brother and wife, Mr. and Mrs. C. Carey.

MEDFORD FIELD TO HAVE RADIO PHONE SYSTEM

Boeing Company Names Local Airport As One of Nine On Coast for New Equipment—Talk With Planes Is Object.

Medford has been chosen by the Boeing air-mail system as one of the nine cities on the Pacific coast and as one of the 22 in the nation for the installation of radiophone ground stations, preparatory to use of the radiophone on its planes, whose pilots will then be able to talk to ground stations as far distant as 200 miles, from an altitude of 12,000 feet. Pilots of planes can also talk to each other. The information was received today by Seeley Hall, director of the Pacific Air Transport company.

Pacific coast stations will be located at Burbank, Bakersfield, Fresno, Oakland and Redding, Cal., Medford and Portland, Ore., and Tacoma and Seattle, Wash. Transcontinental stations will be placed at Oakland and Sacramento, Cal., Reno and Elko, Nev., Salt Lake City, Utah, Rock Springs and Cheyenne, Wyo., North Platte, Lincoln and Omaha, Neb., Des Moines, Cedar Rapids and Iowa City, Iowa, and Chicago, Ill.

The transcontinental stations will be in operation before the first of the year, those on the coast after that date.

The ground stations, which will contain equipment weighing 1500 pounds, will be stations of 400

watts and will operate on a frequency of 3142 kilocycles at night and 5600 during the daytime.

Available to All.
Under the permit granted for construction of these stations, the Boeing system, owners and builders of all stations, must make its service available to other transport lines and to the itinerant flyer. They will also be prepared to receive on 3106, the national calling frequency. A flyer wishing to talk to a ground station, will only have to dial in to that frequency and automatically converse with that station.

The plane and ground radio equipment is being manufactured by the Western Electric company in its Philadelphia plant and is to be delivered within 30 days. The equipment is built under designs developed by radio engineers of the Boeing system who, in collaboration with equipment companies and department of commerce representatives, supervised the research and test work required to bring radiophone to everyday workability.

ASHLAND Y. M. C. A. TO HAVE CAMPAIGN FUND

ASHLAND, Ore., Oct. 24.—(Sp.)—John H. Rudd, who is associate secretary of the northwest council of Y. M. C. A. is in Ashland to assist in the approaching campaign for the raising of the budget for boys' work for the coming year. The campaign will start on Monday, October 28, under the leadership of O. P. Carson.

JACKSONVILLE SCHOOL CENSUS IS UNDERWAY

JACKSONVILLE, Ore., Oct. 24.—(Sp.)—Mrs. Fred Fick, clerk of the school district commenced taking the school census of the district this week.

Only one resident of San Francisco's Chinatown wears a queue.

TEST OF BEACONS DELTA, DRAIN UNIT FRIDAY EVENING

Tests of the 16 installed light beacons, on the Delta-Drain unit of the Pacific Skyway of the airmail route between Seattle and San Francisco, will be made tomorrow night, according to official announcement made today. The beacons are located in the Siskiyou mountains, and extend from Valleyview, near Ashland, to near Weed, northern California.

The Harrison-Wright company of Charlotte, N. C., contractors for the beacon light installation, are completing the work in the mountainous districts first. They will start work at once to complete the beacons in the Umpqua divide section.

While no definite date has been set by the government for the start of night flying of the air-mail, the progress of the beacon establishment indicates it will not be underway before late next spring.

The night flying was originally set to start October 1, and was later unofficially set for December 1st.

Mr. Robinson, a government inspector under Mr. Worthington, who is located in Medford, and Frank Stinson of the local power company, are inspecting the beacons in the Siskiyou today.

JENSENS TO OCCUPY JACKSONVILLE HOME

JACKSONVILLE, Ore., Oct. 24.—(Special.) Mr. Jensen, who will occupy the Merrill home soon, was in our city Sunday evening. Mrs. Jensen is ill at a Medford hospital. They have as their housekeeper Mrs. Werth, who is a former Jacksonville resident.



She has learned how to keep clothes new looking twice as long

{the same way the movies do}
"I DO have more pretty clothes now, I thought I don't spend any more than I used to. The reason is, I've discovered how to keep everything I wear like new so much longer. Instead of spending all my money just to replace things that look old and shabby too quickly, now I can buy extra clothes.

"I learned the secret by reading about the movies—how they keep screen clothes just like new twice as long by always washing them in Lux. Since then, I've used Lux for all my things—stockings, undies, gloves, sweaters, dresses.

"It's perfectly marvelous what a difference this makes. All my clothes look like new so much longer. Now, I don't have to spend every cent just replacing worn-outs. I can afford luxuries."

You, too, can have the same wonderful results with Lux... keep all your clothes new looking far, far longer... Then your clothes money won't all go into replacing worn-outs—you can afford so many extra nice things.



JANET GAYNOR, Fox Star. Her studio, like all the big studios, uses Lux "to keep clothes like new twice as long."

FORMER JACKSONVILLE RESIDENT HAS STROKE

JACKSONVILLE, Ore., Oct. 24.—(Special.) Word has been received that Mr. Sample, well known in this vicinity, has had a stroke of paralysis at his home in Portland. Mr. Sample operated the cook house at Sterling mine for some time and had a home on Kings highway.

New hope for kidney sufferers

Imported plant sap found great health food

THESE days, it is a lucky man or woman who enters middle life without worrying about the kidneys. In fact people of every age are being warned of danger by frequent arising at night, backache, high blood pressure and other symptoms.

Here is new hope. Everybody can now have Agmel. A remarkable health discovery—a concentration plant which keeps the natives of Mexico free from these symptoms. The fresh sap is called "agumiel"—the name is shortened to Agmel. Imported by The Agmel Corporation, New York and Mexico, D. F.

WARNINGS!
Backache
High Blood Pressure
Indigestion
Glycosuria
Ask druggist for free Agmel literature

