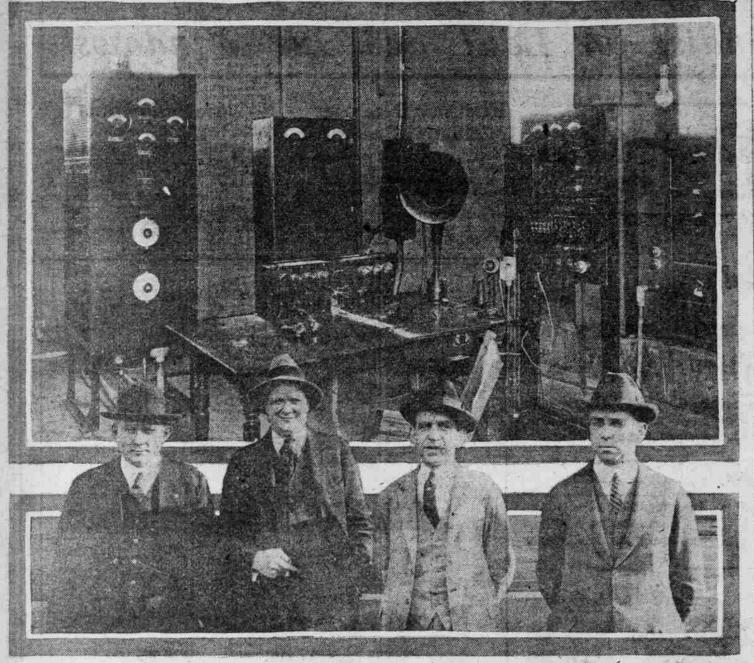
THE OREGONIAN'S POWERFUL NEW RADIO BROADCASTING PLANT IS COMPLETED AND READY TO SERVE 100,000 FANS

Giant Station Is Unequaled by Any on Coast Except One-Large Grand Concert Piano Is Hoisted Into Special Room on Eleventh Floor Building and Everything Is Put in Readiness for Start of Regular Amusement Schedule Tomorrow Night.



Upper picture shows transmitter, power panels, controls, testing loud-speaker and other apparatus of new broadcasting set in The Oregonian tower. Below are O. R. Redfern, federal radio inspector of the seventh district; A. M. McMillan, P. H. Evans and N. Levinson, radio experts of the Western Electric company.

able to hear The Oregonian station station exactly like this one is states and by ships in the Atntic and Pacific oceans and the ulf of Mexico on the same night, he furthest station receiving the messages being more than 3000 miles from the broadcasting station

00 miles will be able to refrom The Oregonian at all means that there will be no. ockets or districts to which tions, the radio waves being sbsorbed or interfered with. When the
first tests proved satisfactory the
experts declared that no more similar trouble will be experienced. lar trouble will be experienced.
O. R. Redfern, government radio inspector for the seventh district,

came to Portland yesterday to pass on The Oregonian's new station. He said after he had granted the new license that it was by far the best-equipped station in the district and that Portland should be proud to such a broadcasting tower as

400-Meter Wave Allowed.

Mr. Redfern granted the new class B license without any hesitancy. This license permits The Oregonian to broadcast on a wave length of 400 meters and specifies that only that wave length will be used. The regular broadcasting length of all class C stations is 360 meters. On a class E license The Oregonian is permitted to broadcast at any time of the day or night regardless of whether any other station is broad-asting. In case two stations are broadcasting at the same time either can be heard on selective types of receiving sets.

The license further specifies that such a station provide only the very best available music and entertainment, and this is entirely in accord with the policy under which The Oregonian will conduct its radio service. Whether it is news, music, lectures or any kind of informative or entertaining material, only the best that can be obtained will be

The schedule for day breadcasting has not yet been definitely arranged but beginning with tomorrow night The Oregonian will conduct a schedule of musical enterfainment on the same hours that were used for the old station. Con-certs of different kinds will be broadcast on Monday. Wednesday, Friday and Sunday nights. The reg-ular service, although the final ad-justing probably will not be completed, will begin tomorrow night, with a concert by the Telephone that it will be possible for listeners to hear both stations by merely making in the Pacific northwest. This ing a simple adjustment.

Schedule Starts Tomorrow.

Except for the tests made yesterday and last night, no music will now be broadcast until tomorrow night when the regular schedule will grartet and solo numbers.

One Coast Set Is Equal.

Only one other station on the Only one other station on the Along with the outside tests, ex-Pacific coast is as large as The periments in modulating and adjust-Oregonian's, and it is located in Los ing to different kinds of music were Angeles and is of the same type and make. Portland operators have Schwab, soprano and the first local been hearing the Los Angeles sta-tion regularly and with no diffi-culty whatsoever since it was opened about two weeks ago. The Oregonian's station is in fact one of the largest in the whole coun-try. It is what is known as a 500watt set, which is ten times as pow erful as the set formerly used by The Oregonian and other sets now

The Oregonian and other sets new in use in Portland.

The station and its equipment is by far the most elaborate in this section. The huge antennae extends from the top of The Oregonian building to the Northwestern Bank building and is supported by two high steel towers, each over 20 feet in height, erected specially for it. The broadcasting set itself is in the room ever the clock, from where it will be operated, while the power plant, containing the big dypower plant, containing the big dy-

Local musicians who have already sen the broadcasting studio on the leventh floor expressed themselves ompletely enraptured with it. This chamber is entirely sound-proof. The walls and ceiling were first covered with a thickness of spe-cially-prepared padding, and over this have been hung artistic dra-peries. The thickest and softest carpets available covers the floor. In one corner stands the large concert grand piano and the rest of the room is empty save for heavily upholstered chairs for the use of the artists between numbers. The only radio apparatus in this studio is the have been experienced in the work which is connected with the broadhave been experienced in the work which is connected with the of all smaller broadcasting stations casting set upstairs. This microins this region. Mineral deposits and permanent static conditions have prevented many communities and door can be heard by necessary to

A special reception room for cor tirbuting artists has been arranged in the floor below. This is the first floor of the tower. The new broadcasting station, consequently, is a four-storied affair, each of the four floors being an important part in the broadcasting of extertainment.

The apparatus, which was delayed to the four floor of the four floors being an important part in the broadcasting of extertainment.

The apparatus, which was delayed in transit, arrived in Portland late Thursday night. All of the preliminary work had been completed before that time. The antennae had been erected and the power plant installed. Three experts from the Western-Electric company came to Portland at the Same time. These are P. H. Evans, N. Levinson and A. M. McMillan, and they, with The Oregonian's own staff of operators, consisting of four men, headed by A. W. Cochran, with Vern Haybarker, technical expert, set to work immediately installing the equipment. These seven men worked nearly all night Thursday and Turk.

The apparatus, which was delayed hind the show.

Reawakened interest in radio resulting from operation of The Oregonian's new broadcasting station is another factor which is expected to contribute to the success of the show. Oregonian concerts will be given throughout the eight days.

A committee from the Northwestern Radio association, Portland's amateur organization, will supervise amateur competitions. A long list of entries is forecast. Latest improved equipment will be exhibited by dealers.

The exposition will be managed by Ted Herlihy.

immediately installing the equipment. These seven men worked
nearly all night Thursday and Friday, with the result that they were
able to make the first tests yesterday afternoon.

The Oregonian took the air during
the afternoon only for a few minutes. At the time a small station
was broadcasting. Coming without
warning or an opportunity for listeners to adjust their sets, the powerful new station drowned the other
out with an effect similar to snufthe out with an effect similar to snuf-fing out a candle. As soon as lis-be teners realized what was going on, they at once began experimenting on adjusting their receiving sets to other stations, and reports received from a number of operators proved that The Oregonian station is so finely adjusted and tuned to exactly the right wave length that adjust-ment is easily possible to either sta-

Inspector Redfern, after receiving these reports, went out himself to different receiving stations to tune from one broadcasting station to another, in order to satisfy himself that it will be possible for listeners to hear both stations by merely making a simple adjustment.

Along with the outside tests



her voice in all its range and every note and bit of shading was car-ried to the amplifier in perfect tone. The piano, always so difficult to orondcast, could be heard as though t were in the same room with the istener, and other kinds of music were just as successfully trans-

mitted.
The opening tomorrow night history of the Pacific northwest. Up until now radio broadcasting has in a sense, been experimental and public entertainment and informa- door circus and Arabian fete to be tion service. The novelty part of held at the auditorium December radio will go into the discard, and joyment and service.

RADIO SHOW ENTHUSES FANS general of the circus, yesterday.

Amateurs, Schools and Commu-

Minister Dies at Funeral.

UKIAH, Cal., Nov. 18 .- After he had just completed a sermon at the funeral of Zechary Bartlett, his late friend of 50 years, Rev. C. E. Pettis,

AL KADER WILL ADVERTISE CITY AT CONVENTION.

Sending of Delegation to Imperia Council Session to Be of Benefit to State.

'selling Portland to the world," declared Hal T. Hutchinson, director-

the imperial council of the Mystic Shrine will hold its annual session nity Clubs Interested.

Amateurs, through the Northwestern Radio association, various schools and community ciubs, are enthused over prospects of competitive displays at Portland's first radio show, to be held from November 25 to December 2, inclusive, in the Pittock block. The Oregon Radio Trades association is also solidly bearing the most attractive presentations in the way of advertising themselves. Al Kader temple purposes that Portland shall be heard from, and that its voice will not be one of the weak ones. For that reason we want to send members of the Pittock block. The Oregon Radio one of the weak ones. For that reason we want to send members of hind the show.

tions of \$10,000 from the proposed city levy of \$77,750 as its aim, the Bend council will hold an adjourned session Monday night.

Aid Promised Marion Growers,

SALEM, Or., Nov. 18 .- (Special.)a retired minister of the Methodist The state chamber of commerce, church, died here today while he was on the way to the cemetery to atpromised to aid the loganberry growers of Marion county in obtain-

\$10 for the Set



You Will Find Here the Most Complete and Finest Selection.

The World's Best Makes Included in Our 10-Days' Sale of Used Phonographs

We have marked all of these used phonographs at low, quick-disposal prices, as we must sell them within the next 10 days to make room for our incoming holiday stock.

At a Fraction of Their Original Cost

Victrolas—Sonoras—Edisons—Columbias and many other well-known makes-in all the popular finishes

The Instruments listed below are a fair example of the bargains we are offering

Victrola, mahogany Perfect condition. Originally \$125. \$7550 Sale price.....

Edison Laboratory, mahogany. Looks and is as good as new. Originally \$295. \$1 Sale price.....

Sonora Baby Grand, mahogany. Used only a short time. Original price \$200. Sale \$ 1

The majority of the instruments featured in this sale were taken in exchange on new Bush & Lane Phongraphs and bear the names of the world's best makes. A fine selection of slightly used phonographs, all in perfect working order.

Columbia E 2, mahogany. Slightly used. Original price \$5550 \$85. Sale price... \$85. Sale price...

Columbia E-2, walnut. Can't tell from new and in perfect condition. Original \$5500 price \$85. Sale price price \$85. Sale price

Victrola X, mahogany. Used two months. As good as the day it was bought. Original \$8550 price \$125.. Sale

See—Hear—Examine—At Once

Don't wait until the last minute to take advantage of this opportunity. You will want a phonograph sooner or later and the sooner you come in the greater will be the number from which you may choose.

> We Make Ownership a Simple Matter Easy Terms-No Interest

Everything Pertaining to Music "It Does Make a Difference Where You Buy Your Phonograph"

Broadway at Alder

Bush & Lane Building

Plum Hunters Are Busy. Being elected governor will not be

half so strenuous as dealing with applicants for political patronage, and although Governor-elect Pierce is remaining at La Grande, he is not escaping importunities for jobs. A group of citizens of Tillamook county have demanded that a highway ty have demanded that a highway commissioner be appointed from that

proposed as a member of the fish commission. Johnston Smith, who commission. Johnston Smith, who was prohibition director, is expected to be warden of the penitentlary, and George I. Smith, it is said, can pick out his own job.

Snoplifter Fined \$25.

yesterday in the Meier & Frank tree, 23, who were arrested in Port-company store for the theft of a land recently charged with holdups. Read The Oregonian classified ads

ing 6 cents a pound for their crop next year. The pledge was announced at a meeting of the Marion county community federation at Liberty today.

County Coun

Youths Arrested in Portland to only \$7. It was said today that Miller had identified Crabtree and

fessed, officers said, to holding up

YOUNG MEN FACE TRIAL and robbing Charles Miller, a loca streetcar conductor, last month Their operations here netted then Dimick as the men who relieved him of the money. Both Crabtree Shoplifter Fined \$25. SALEM, Or., Nov. 18—(Special.)— and Dimick are members of pioneer Oregon families.



PHILLIPS SHOE CO. 325 Washington St.

RETIRING FROM BUSINESS

(Closed Monday)

Sale Starts Tuesday Morning!

Our lease expires December 31, 1922. We can find no location in which to continue our policy of better shoes for less money, and rather than sacrifice this we are closing out, after 18 years of business in Portland. We offer you a last big opportunity to save money.

We will dispose of our entire stock of men's and women's new fall and winter shoes at a price sufficiently low to sell them in the short time left to us.

Unable to quote prices at the present time, we advise you to watch our windows and visit the store, as you are sure to be pleased.

At this time we wish to thank the public of Portland and vicinity for its kind patronage, which has enabled us to complete 18 years of successful business.

Very respectfully,

PHILLIPS SHOE COMPANY.

