



## "Cub sig to be"

**Y**OU'VE known your set to flirt with facts . . . to suggest that the singer had a cold or the announcer a megaphone.

That's easily remedied—by the substitution of one or more of your valves with

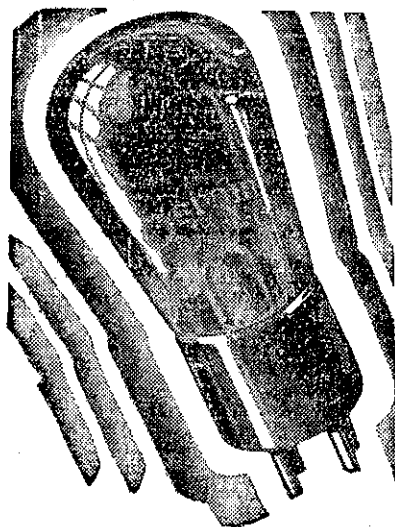
### L.610

the battery-operated Osrams.

Ask your dealer for Osram Valves—they are of sturdy, honest British manufacture.

If you cannot obtain the valve you need, it will be sent direct, safe delivery guaranteed.

The "Osram Valve Guide"—a helpful little book—will be sent free on request.



A general purpose valve with very low A and B Battery Consumption.

#### SPECIFICATIONS

Fil. Volts . . . . . 6.0  
Fil. Current . . . . . .1 amps.  
Plate Volts . . . . . 150 max.  
Amp. Factor . . . . . 15  
Impedance . . . . . 7,500 ohms.  
Normal Slope . . . 2.0 ma/volts  
Equivalents UX201A, A615, PM5D

# Osram Valves

Made in England

Advertisement of the British General Electric Co. Ltd.  
Branch Office and Public Showrooms: 31-37 Taranaki Street, Wellington



### Wavelets

Stations within 100 miles of the American coast must cease their transmissions when a ship signals the S.O.S.

The beacon service in the United States now possesses 78 radio beacons, scattered along the coast of the Atlantic, the Pacific and the Great Lakes.

The Norwegian Government is taking over broadcasting in that country and leasing out the programmes. In 1934 there are to be 43 main and relay stations.

It is estimated that over 2000 schools in France have been equipped with radio receiving sets.

**T**WO giant valves, measuring each 7 feet high and requiring 5 tons of water an hour for cooling purposes, constitute the nerve centre of the new KDKA station at Saxonburgh (U.S.A.). These valves are each rated at 200 kilowatts.

**T**HE new station of Chi-Hoa, near Saigon, French Indo-China, with a power of 100 kilowatts, transmits on 49 metres. The station is owned by the Indo-Chinese Film Corporation and broadcasts between 12.40 p.m. and 2.40 p.m.

"**S**TEP in, sir, and choose your station," is the slogan of an enterprising French radio dealer who is touring Brittany with a radio-equipped car. Free technical advice is given to every inquirer.

**T**HE Americans are actively taking up the installation of radio in motor-cars. A fleet of 5-16 cylinder radio-equipped cars are on a demonstration tour of Europe. They intend to first cross the North of Europe, then Belgium, Holland, Denmark, Scandinavia, Germany, and Austria. Then they will proceed to Switzerland and afterward return to France.

**T**HE American journal, "Sound Film," which represents the sound film industry, states that the telecinema is being enthusiastically pushed in America. Mr. J. Snitmar, the president of Radio Pictures, has himself given a practical solution for the exploitation of the telecinema. The apparatus will be rented to those requiring it for the sum of one dollar a week, the transmitting apparatus can be installed in any ordinary room and the pictures be broadcast to all the

cinemas that possess the necessary receivers. The number of these installations are anticipated soon to reach several millions, and bookings have already been heavy. Sound telecinematograph will soon be an accomplished fact.

**A**N American aviator flying over Buenos Aires at an altitude of nearly 4000 feet recently conversed with the captain and officers of the liner Majestic, which was at the time 450 miles from the English coast. The conversation was perfectly clear and lasted seven minutes during which time the pilot gave his impressions of the city and invited his hearers to his club on their arrival in New York.

**D**URING recent experiments in which Senator Marconi, the inventor, carried on communication with Sydney, from his yacht anchored near Genoa, Italy, a message from Marconi coming over 11,000 miles of space was recorded on a gramophone record at Sydney, and later retransmitted to the sender. The test led to a discussion of the feasibility of "bottling" important radio programmes in like manner for rebroadcasting.

**W**IRELESS is developing rapidly in Germany. During the last four years the number of listeners have increased at the rate of half a million annually, the actual number being now 3,200,000. Great trouble is taken to ensure good programmes. During the past year 1585 artists and speakers were retained for German broadcasting. During the same year more than £300,000 was paid to artists who were not regular performers. The 28 broadcasting stations use 125 millions kilowatts, representing a total value of £1,500,000.

**S**PANISH broadcasting plans are "in the air" once more. The late dictator, Primo de Rivera, decreed that broadcasting should be entrusted to a single enterprise for a period of twenty years, the selection being made after a competition in which all broadcasting concerns would be invited to take part. With the disappearance of the dictator's regime, however, other counsellors have stepped in, with the result that the idea of a competition has been abandoned. Spanish listeners are, now uncertain whether their future programmes will be provided by private enterprise or by the State.