

RADIO STATIONS INCREASE POWER

Some of Them Now Rate High as 50,000 Watts; Seeking to Boost Limit

A few years ago, radio stations employing 1,000 watts were thought of as "super-power" stations. Then along came 5,000 watts, then 50,000.

Today 50,000 watts seems to be the maximum power to be used by any station—but in the future you can look for stations employing 500,000 to a million watts, and covering the whole world in their range, says an International News dispatch.

A few months ago the General Electric company surprised the Federal Radio commission when it applied for permission to use 200,000 watts experimentally at Schenectady. Permission was granted and it has been using this power since.

And now along comes Westinghouse, for KDKA at Pittsburgh, seeking permission to utilize 400,000 watts experimentally! This would be the largest power output used by any transmitter in the world.

The station transmitter to use this power would be located at Saxonburg, Pa., and would be used for the design and operation of antennae to reduce or eliminate blanketing effects in nearby areas; development of high power vacuum tubes in actual service; development of precision frequency control apparatus and of 12-phase pool type mercury rectifiers for use in transmitters where high voltage is necessary.

To Study Reception Fading

A comprehensive study of receiving conditions over a wide area is also planned with a transmitter employing such high power. And it would also take part in the study of fading conditions over the country where two stations are automatically synchronized on the same wave. Such synchronization perhaps would be made with KYW at Chicago or WBZ, Springfield.

This station would operate in the early morning hours, and while the average fan will have little opportunity to hear it, it can safely be predicted that such super-power stations will be operating in the United States before long.

Already Italy and Russia have super-power stations. Italy's is broadcasting with 100,000 watts, and Russia's is soon to be stepped up to that number.

Heralds World Programs

With the introduction of such high power will come international broadcasting on a large scale. It will no longer be necessary for broadcasts across the Atlantic or Pacific to be hooked up by a relay. With such power at 500,000 or a million watts, it will be possible to broadcast a program reaching around the world from a station using it.

Already there is talk in Washington about censorship of international programs broadcast by powerful foreign stations. It is possible for them to broadcast propaganda into this country of an undesirable variety and have it delivered directly to the homes of radio users without anyone censoring it.

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State Probation Officer Has Visited 26 Counties

Under direction of Rodney H. Brandon, director of the state department of public welfare, Mrs. George Thomas Palmer, state probation officer, has conducted an educational campaign in 26 counties. She traveled nearly 1,800 miles to discuss the probation program's improvement with local leaders, reaching into Christian, Franklin, Jefferson, Williamson, Saline, Johnson, Massac, Pope, Hardin, Mason, Greene, Shelby, Coles, Edgar, Clark, Vermillion, Iroquois and Ford counties. Circuit and county judges, adult and juvenile probation officers and other officers interested in probation work, particularly among juvenile delinquents and first offenders, showed a spirit of co-operation, as well as women's clubs and other local groups.

'Tenderfoot' Ratings Awarded

Memphis, Tenn. — Eight members of the American Legion Boy Scout troop were recently presented with the 'Tenderfoot' scout insignia at a meeting in the Legion hall. This is the first grade in scout elevation.

According to statistics the number of New England farms has dropped 21 per cent in the past five years. Well, New England farms ought to make good golf courses. Most of them are full of hazards.

We should think that 156-year-old Turk's one greatest reason for thankfulness would be that he never did anything in his youth for which they could have sent him up for life. — Ohio State Journal.

WANT-ADS BRING RESULTS QUICK

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