HIGH POWER IS PASSING EXPERIMENT STAGE

Much Other Work Must Be Done in Radio Development.

By ISRAEL KLEIN

NEA Service Radio Editor

The one outstanding achievement in radio this year will be the final vindication of high power broadcasting.

This prediction is based on a study of the experiments now going on in the industry and consideration of their rate of advance during the past years.

Of all new ideas promulgated in radio, high power broadcasting has been put into actual daily practice. It is still experimental. It is expected to be a practicality by the end of this year.

Last fall, the radio conference at Washington decided to grant high power broadcasting an experimental license. Some advocates of super-power came to the conference with the expectation of winning official recognition of this innovaotion.

It is generally agreed in broadcasting circles, that this recognition will come at the next conference. Meantime, experiments with higher power, from 1,000 to 5,000 watts, will be conducted to determine the power most beneficial to radio broadcaster and fan.

Other on Test

All other work in connection with radio development is in its experimental stage and is not expected to get out of it by the end of the year. In this category may be listed:

1. Transoceanic two-way broadcasting. An important event when undertaken, and then only a matter of experimental curiosity.

2. Development of low wave-length, or high frequency, broadcasting. Although actually accomplished, new laboratories have been set up new tests will be devised to establish it on a practical basis.

3. Radio transmission and reception of photographers. It's in a crude, undeveloped stage and needs research that will take its study much past 1925.

More Study Needed

4. Directional transmission and reception. Marconi's hobby. It's in use at few harbor and ship stations, but only for experimental reasons. It is stiill the subject of intensive research and experimentation.

5. Elimination of static, fading, other interferences. Far from effective control.

6. Secret transmission and reception of private message. This has been the desire of engineers for years past. They are still experimenting and refrain from promising final results by the end of this year.

Besides, there is the development of radio receivers. But there will be nothing new in this—merely changes and variations of old principles, just as they were last year.

Greetings From Sweeden

STOCKHOLM, Jan. 29.—For the first time in the history of communication between Sweden and America, Swedes have been able to send direct New Year's greetings through the air to their friends and relatives in the United States. This is due to the opening of the new radio station at Grimeton and they have made extensive use of this privilege. Messages from the most remote places in Sweden now reach New York in the average time of half an hour, and more than 1,000 were sent during the seven days following the opening of the service.

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BUGS

By Roy Grove

OUT in Oakland, Cal., where KGO sends forth three programs weekly you will find an instrumental group that always fits gracefully into the program. This group is known as the Arian Trio. We have heard them often and never tire of the sheer beauty of their playing. It is our hope that some day KGO will present an entire program of numbers by these musicians.

Last week we had the pleasure of listening to another fine trio presented for the first time through WGY. This organization known as the Allen Trio presented one of the finest programs of chamber music that we have heard in a long time. This group of artists will become a regular feature on the WGY programs and if you enjoy real music they should command your attention.

KTHS the new Hot Springs station located on the New Arlington Hotel has an announcer who makes you feel that the best is none too good for you. The program director has decided that listeners must have the best orchestra obtainable, and the men in the control room see that they are given every chance to "get across" to us.

THERE is no excuse for the long waits between programs of the various stations. The station that gives the radio audience the best service in the quick dispatch of its program is the station that is going to command the most attention to its listeners. There is no reason why there should be several minutes delay between numbers on any program and the sooner the broadcasting stations realize this fact the better it will be for all concerned.

That station out in Bristow, Okla., KFRU, provides entertainment of merit. I heard an orchestra that represented real musical talent from this station and the modulation of the transmission was very good indeed.

It isn't often that my ear muffs find the mellow notes of Miss Jones' voice actuating them, but when they do something good usually follows. I am not so enthusiastic about the particular orchestra that station had on the program as I listened. It was the Rader orchestra. We differ in taste, however, and many do enjoy their playing from KSD, so there.

You remember how you held your breath, locked the doors of your radio sanctorum and cussed the squealing regenerative sets, on the nights we were supposed to focus our attention on the far side of the Atlantic ocean. This condition does not compare to the one we are facing at present, that of, seperating stations whose waves are only seven to ten kilocycles apart. Something should be done regarding this, as it is almost impossible to separate the waves of the various stations at the present time. Last Saturday evening the waves of WTAM, KTHS, WHN, WEBN, and KFRU were heterodyning one another so badly that it was almost impossible to receive any of the above mentioned stations without a hissing noise in the receiver. This condition together with local interference makes it almost impossible to receive programs.

It does any one good to be made to think of the problems of education, and it comes with force when presented by such an authority as the president of the Ohio University. WEAO afforded the privilege of listening to a discussion of the public school system, with its note of optimism, as outlined by Dr. Thompson. For which we thank you, sir.

WE differ in tastes in music as in other things and, fortunately broadcast stations are aware of it. For those who enjoy grand opera, occasions are rare when it may be heard. The more reason then to congratulate WIP for "Carmen" as sung by the Philadelphia Civic Opera Company last Thursday evening. It is hoped that this station will secure response to this appeal and will put more grand opera on the air.

We listened to WCAP last Monday where we found the United States Marine Band under the direction of Captain Santelmann giving a varied and very entertaining program. Those service men do feel the spirit of music in their bones and play with a vim.

WLW came on the air with its new 5,000-watt transmitter last Tuesday evening, presenting one of the best arranged programs we have ever had the pleasure of listening to. Many noted artists were among those present, including Fritz Reiner, director of the Cincinnati Symphony Orchestra, who made his first appearance before the microphone, directing an orchestra of fifty picked musicians from the Cincinnati Symphony. William Kopp and his Western and Southern Orchestra, who are a regular Sunday evening feature from WLW, presented several beautiful symphonic numbers. The popular end of the program was well taken care of by Billie Emmerson, Dan Beddo and Harvey Brownfield. This well balanced and [illegible] program was rounded out with a program of dance numbers by Henry Lange's and the Keefer-Kicker dance orchestra.

On this program we found WLW very broad tuning, covering about seven or eight points on the dials of a set that under favorable conditions has selectivity and tunes sharply. There still remains many kinks to be ironed out of super power stations, the most important ones being generator hums and broad tuning waves.

The Brunswick Hour of Music broadcast through WJZ, WRC and WGY Tuesday evening was the outstanding event on the past weeks programs. On this program the Brunswick Company presented Elizabeth Rethberg, soprano, and Guiseppe Dainse, baritone, two excellent voices well adapted to radio and the Brunswick Symphony Orchestra. These programs are to be broadcast every Tuesday evening at 8 p. m. Here is radio entertainment of the first rank that should command the attention of every listener.

The poultry production of Canada last year was valued at $50,000,000.

CHANCE FOR $100 PRIZE

Swedish Publication Offers Prize to American Amateur.

By Times Special

HARTFORD, Conn., Jan. 29.—Word was received by the American Radio Relay League recently from "Radiobladet," a Swedish magazine in Stockholm, in which this publication offered a prize of $100 to the American amateur whose station was heard by the greatest number of Swedish amateurs. The test is to be made between 1 and 3 a. m., (Eastern Standard Time), Feb. 1. The wave-lengths are to be in the 75 to 85 meter band.

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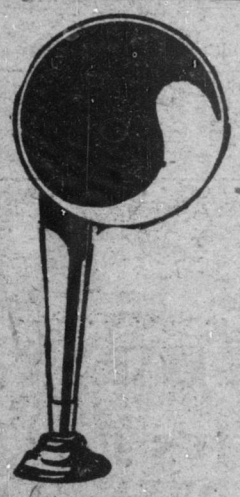

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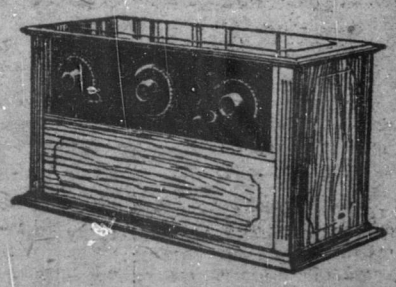

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