

GREAT SHORTAGE IN RADIO OUTPUT

Demand for Radio Vacuum Tubes Increasing Daily.

An interesting and rather specific statement bearing on the present day shortage of radio broadcast receiving apparatus with special regard to vacuum tubes—the very "heart of radio"—is made by the Radio Corporation of America. It is stated that the April production of vacuum tubes used in radio transmitting and receiving sets will reach 150,000. The production schedule for May calls for a total delivery of 175,000 vacuum tubes. Program will reach 200,000 a month or more in June, according to public and trade requirements.

Crystal detectors served the purposes of the larger number of amateurs in the early days. The great demand for vacuum tubes is a development of the past six weeks, due entirely to the sudden popularity of broadcasting. Although machines play a part in the major processes of manufacture, tubes are still largely made by hand. Hand work plays a far more important part in making vacuum tubes than in any other piece of electrical apparatus with which the public is familiar. Manufacture of the delicate vacuum tubes used as detectors, transmitters and amplifiers, has been subject to the usual difficulties in bringing about quantity production.

During the first eleven months of 1921, the factories produced for the Radio Corporation of America an average of 5,000 tubes per month. This rate of production, small as it seems now, was gradually producing a surplus. Then, suddenly, in one or two territories broadcasting jumped into popular favor over night. On December 30 the production schedule was increased to 40,000 tubes per month. In January of this year the Radio Corporation of America pushed the schedule to 60,000 per month—a figure largely in excess of the demand at that time.

KILPATRICK LEADS EDUCATIONAL FIELD

Dr. Jacob Gives Interesting Talk on Education and Problems.

By I. G. Wilkes

Mercer men are leading the field of education, said Dr. Peyton Jacob while speaking to the students of Mercer University at regular chapel exercises Tuesday morning. Names of noted men were given as proof of the above statement, among them being the greatest teacher in the world, one who attracts more students in taking his work than any other single one, William H. Kilpatrick, of Columbia University, a Mercer man.

Georgia ranks 43rd in the Union educationally, continued Dr. Jacob, and Mercer men must help her to raise her educational standards. He also stated that a great opportunity lay at the feet of every student now at Mercer to undertake this work, which needs so much improvement, and by which they could easily distinguish themselves as great men.

Dr. Jacob said that the one-teacher rural school is the curse of Georgia education and that it costs more in relation to the finished product than does the other schools with several teachers. The elementary school problem is the largest in Georgia today. Because of a lack of training in this department, students who are at Mercer now are suffering and they ought to realize the situation that exists.

To overcome these defects, consolidated schools must be sought by everyone. The speaker said that there was a bill brought up in the past legislature in reference to this problem and some counties have already adopted the plan. He closed his speech by stating that the consolidated system of schools is the only plan whereby Georgia can improve her standing and that all Mercer men should think over this affair seriously in making their future plans.

FACULTY MEMBERS GIVEN ONCE OVER

"Monty" Used to Be Uneasy on His Feet.

"When a school boy of some ten to sixteen years, I was so timid that the idea of reciting what we called a 'piece' frightened me so much that I grew pale with what some have called 'panic fear,'" declared Dr. A. P. Montague, teacher of public speaking at Mercer University, Friday afternoon in an interview.

"Up to my 30th year," continued Dr. Montague, "I would become nervous and apprehensive if there was a suggestion of my having to make a speech."

Dr. Montague added that he sometimes thought of matters concerning which he would like to speak and when he was alone he could think clearly and with ease, but when the hour came when he might have to go into the actual work of speaking, he dreaded it as if he were preparing to undertake some fearful adventure.

When asked how to overcome this fear he replied, "My idea of the best way in which to overcome such timidity is to think of having really a message to give and to be so full of the subject, so eager to impress its value and importance upon others, that one forgets self and remembers only the cause, the purpose in heart and mind."

Dr. Montague told in conclusion of a leading preacher of the South who, with years of experience, trembled with fear every time he addressed an audience.

AIRPLANE TO GIVE WIRELESS CONCERT

Mercer Station May Be Able to Catch Concerts.

The American Legion, in conducting a campaign for \$2,500,000 for wounded veterans will make use of a new kind of broadcasting by giving concerts daily from an airplane equipped with a radio transmitter over New York and up-state cities.

Engineers of the General Electric Company are equipping a five-passenger Fokker monoplane with a radiophone transmitter at Mineola and as soon as the installation is completed, the first radio broadcasting flight will take place. The plane will be piloted by Lieutenant B. W. Maynard, the "flying parson," who is in charge of the campaign to raise \$2,500,000 with which to establish a camp near Tupper Lake in the Adirondacks where wounded veterans may find care and shelter.

With the five-passenger plane more than one artist may be taken up at a time so there will be as much variety of entertainment from the flying station as from one on the ground. Lieutenant Maynard will also take prominent persons for flight so that they may describe their experiences over the radio phone at the time they are occurring for the benefit of the listeners below.

Most of the flights will be over New York City and vicinity but the "flying parson" plans to make several upstate trips. He also contemplates making flights at night, realizing that there will be much larger audiences listening in at this time.

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