

Radio Topics

By R. M. Sherrill
(Radio Engineer)

NO RADIO CONFERENCE TO BE HELD THIS FALL

For the first time in five years there is to be no radio conference in Washington this fall. Secretary Hoover believes that inasmuch as Congress has not yet taken action on the recommendation of last year's conference, the calling of a new one would be likely to cause more confusion.

In regard to the reports of the establishment of various radio control associations throughout the country, Mr. Hoover has expressed his approval. He thinks that these bodies will be a great help to better self-government but believes that their results will necessarily be more local than national.

Mr. Hoover has ordered that new broadcasting licenses should not be issued until the new stations are completed. Those of the 600 applicants for broadcasting licenses who are building stations will receive licenses as soon as the stations are completed.

The issuance of licenses to new stations is now causing considerable interference and congestion, especially in the larger cities. The newcomers' interference is anything but welcome and the public press is full of comments on the mistakes and oddities of the inexperienced new stations.

Some of the old timers in the radio game will remember when the art used to be known only as "wireless." In America, the term "radio" has almost put "wireless" out of print—although in England it is still much in use. From a practical standpoint trans-electromagnetic waves is not as "wireless" as that term implies.

To show the folly of "wireless" if all of the wire used in broadcasting a WJZ program were connected in a single piece, it would more than encircle the earth at the equator. This wire varies in size from less than a hair in certain windings and resistances to a thickness of half an inch in the antenna.

Whatever else radio may be, it is not "wireless!"

R.C.A. Official Hopes for an Auxiliary Language

Dr. David Sarnoff, the vice-president and general manager of the Radio Corporation of America, in speaking before the biennial conference of the International Federation of University Women in Amsterdam, Holland, has stressed the importance of a universal or auxiliary language as an agency for world peace.

"Radio," said Mr. Sarnoff, "thru the institution of broadcasting, is the first universal system of one-way mass communication developed by man. No other agency can speak with a single voice to millions of people in widely separated regions. Radio has swept away the physical barriers of communication. No government able to erect a broadcasting station need subject itself to the censorship of a wire system of communication. Radio gives the opportunity for self expression to small nations as well as to large ones."

"Nevertheless, communication faces a great barrier in its progress—the barrier of language," Mr. Sarnoff added, asserting that the confusion of tongues handicaps the development of commerce, the spread of education and the growth of science.

"Of fundamental and far-reaching importance is the need of an auxiliary language in the promotion of world peace."

AUTO LIMERICKS

By WENKEL BROS.

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DOES NOT EXPECT SHORTAGE OF FOOD

EXPERTS DISCUSS MATTER

Prof. Ely, in Address in Oregon, Says Danger Is Extremely Remote; Urges Reformation

With labor-saving devices rendering excellent service and with the demand for both wheat and meat decreasing in the United States, the danger of there not being enough to eat in Uncle Sam's domain at some future day is extremely remote, according to Dr. Richard T. Ely, head of the Institute for Research in Land Economics and Public Utilities, and research professor of economics at Northwestern university, in an address before the Oregon Reclamation congress last week at Hood River, Ore.

However, the American farmer must seriously consider re-forestation and better utilization of his land for crop purposes than he does now. Dr. Ely stated that some of the eastern seaboard farms are being allowed to go back to their natural state, but he advocated a governmental policy of reforestation that is not so haphazard. Great tracts of land should be placed under government supervision, he urged, and trees cultivated with great care, and cropped at the proper time with equal care.

Not Worried

Dr. Ely was not particularly worried he said about the desertion of the farm by many youthful agriculturists.

"Machinery and power have displaced men," he said. "We need fewer men on the land today than we did 100 years ago. It is estimated that 75 years ago an agricultural worker could attend to 12 acres of crops; now he can handle 34 acres for the U. S. as a whole, and in some parts he can easily handle 100 acres. Machinery has pushed men off the farms. In fact, since 1850 about as many men have been released to other occupations as have been engaged in agriculture itself, and this process is still going on."

The farmer must now face the problem of dividing his land into more effective crop areas than in old times, as machinery, Dr. Ely stated, is releasing much pasture land to him.

Horses Fewer

"It has been estimated," he continued, "that since 1920 the horse and mule population has decreased about 11 per cent; nine and one-half million acres of land that were used to feed these animals are now released to produce food for human beings. This was almost enough to take care of our natural increase of population in the same time."

Regarding a possible shortage of farm products in the United States, Dr. Ely based his conclusions on a population of 150,000,000 by 1950. On this basis he figured that, with exportation of food-stuffs held to a minimum, we shall need only 38,000,000 acres more to take care of that increase in population. He estimated that there are at least 400,000,000 acres awaiting development in the nation at present and that with careful selection from this idle land, there will be ample soil upon which to raise the crops of the future.

GAME RESTORATION BOON TO HUNTERS

Expect Good Season for Quail and Other Upland Game in Illinois

Game restoration work of the State Department of Conservation promises the greatest season for upland game in the past decade, according to reports received by Director William J. Stratton from all sections of the state.

The season for hunting quail, pheasants, prairie chicken and rabbits opens in three weeks, on November 10. The pheasant season closes November 15, prairie chicken November 21, quail, December 10 and rabbit January 31. Shooting is permitted on the opening as well as closing day. The daily bag limits are quail 12, cock pheasant 2, prairie chicken 3, and rabbit 15.

Tremendous increases in the numbers of quail and pheasants and a steady decrease in the supply of prairie chicken show the results of two different systems of conservation. Restrictive laws have been applied to try to save the prairie chicken. A short season at a time when it is almost impossible to kill any has failed to increase or even hold the supply of prairie chickens.

Constructive game restoration has been practiced with quail and pheasants. More than ten thousand adult quail and almost two hundred thousand pheasant eggs have been distributed by Director Stratton in the last three years. Shooting has been permitted in a reasonable amount and at that season of the year which gives the best sport for hunters. Hundreds of reports from conservative sportsmen as well as personal inspection show that this year's supply of both pheasant and quail is greater than at any time in the last ten years.

Hunters should now start to give their dogs and themselves plenty of exercise, so that they will be in condition to really enjoy this greatest of outdoor sports.

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with farmers where hunting is to be done and arrange for meals, lodging and permission to hunt. You must have permission before hunting on lands not your own. If the hunters will shoot "square" and carefully, they will find many farmers will welcome them.

HOW TO BACK INTO PARKING SPACE TOLD

Valuable Suggestions Given in Bulletin of Motor Club; the Details

In this day of congestion, backing into a parking space is an art in which motorists should be proficient. Some hints on this art was given in the latest bulletin of the mechanical first aid department of the Chicago Motor club.

"Many motorists," says the bulletin, "are prone to race their engines when backing. The reverse speed combination is geared lower than first speed, and for that reason the driver should be able to back up with full control, moving an inch or two at a time if necessary."

This gentle movement of the car will tend to give the driver confidence, and he will not be likely to become panic stricken when backing into a

parking space in a crowded street. The driver should keep his heel on the floor when operating the clutch; this is the only way to clutch and de-clutch gently. If the clutch is rough in action or if the driver has to run the engine a little faster in order to keep it from stalling, he should smooth out the slow movement by keeping the other foot on the brake pedal. It is better to use the brakes to smooth out the running than it is to keep slipping the clutch."

Russia is seeking more visitors from the United States, and is almost on the verge of guaranteeing safe conduct.—Detroit Free Press.

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