

## COLUMBIA USED TO DEMONSTRATE WIRELESS TELEPHONE

First Public Exhibition of the Power of the Wireless Telephone to Carry Music Held at Hotel Astor Last Week—Dr. Lee De Forest Conducts Demonstration Before Interested Audience

The first public demonstration of the conveying of musical tones by wireless, under the auspices of the De Forest System of Telephony and the Columbia Graphophone Co., was held



Dr. Lee De Forest at Receiving Apparatus at the Hotel Astor on Thursday evening, October 26, before a number of specially invited and distinguished guests. For the purpose of the demonstration a number of Columbia records were played on a Favorite Grafonola at the laboratory of the Columbia Co., 102 West Thirty-eighth street, transmitted by the De Forest Radio Telephone, and received at the wireless station at the Hotel Astor, a special receiving station having been installed in parlors A and B on the eighth floor of the hotel for the demonstration.

In order to prove the success of the system there were practically all types of music in-

cluded in the thirty-three numbers making up the program, such tenor solos by Sembach and Lazaro, soprano solos by Alice Neilson and Lucy Gates, and instrumental numbers by Leopold Godowsky, pianist; Kathleen Parlow, violinist, the Blue and White Marimba Band, Prince's Orchestra and others, and without exception the tones came from the receiver with wonderful naturalness, even the human quality of the voice being sharply defined.

A more powerful sending apparatus will soon be installed in the tower of the Woolworth Building, where the Columbia Co.'s offices are located, by Mr. De Forest, and will serve to carry the music to ships a thousand miles out at sea. The same principle involved in the demonstration makes it feasible for passengers on ships to hear the operas at the Metropolitan Opera House, New York; to distinguish the voices of the great artists, and even to hear the applause of the audience. This is simpler than carrying music over land, as there is less "interference" at sea.

As in the recent epoch-making demonstration of trans-continental wireless telephone communication, the audion bulb, invented by Dr. De Forest, is the chief feature in the highly-improved apparatus used in the present tests.

The audion is a wonderfully sensitive incandescent lamp, containing, besides the ordinary filament, two metal plates and a metal grid of fine wire, which translates the inaudible, high-frequency electric currents that come through the ether into telephonic currents which can be heard by the human ear.

Dr. De Forest declares that by means of his newly-developed receiving apparatus more perfect music can be heard by wireless transmission than can be conveyed by telephone wires.

In addition to Dr. De Forest there was present at the demonstration Ed. M. Baker, advertising manager of the Columbia Graphophone Co.; G. C. Jell, superintendent of the recording department of that company, together with other Columbia officials and a large number of invited guests.

During the course of the demonstration an elaborate buffet supper was served to the guests in the college room of the Astor, immediately adjoining the parlors where the demonstration was held.



Where the Guests Listened to the Demonstration

A dozen or more individual ear sets were placed around a large table, and the guests took turns listening to sections of the long program. Only on very few occasions was there any interference from general wireless stations, and this was quickly overcome by the operator.

The demonstration, which was conducted by the inventor, Dr. Lee De Forest, in person, in co-operation with the Columbia Co., was the result of over two years of private experiment to convey music tones by wireless, and the success of the experiment was proven not only

to those who listened to the demonstration, but also was emphasized by the fact that it was made possible for every wireless operator within one hundred and fifty miles to hear the concert with ordinary wireless equipment.

## EDISON JOBBERS CONVENE

Successful Three-Day Convention Held at Syracuse, N. Y.—Bolway & Sons Open New Edison Shop—Officials in Attendance

SYRACUSE, N. Y., October 30.—A three-day convention was held by Edison dealers from Central and Western New York at the Hotel Onondaga last week, seventy-five Edison dealers being present. Miss Julia Heinrich gave a tone test demonstration at the Regent Theatre on the first day of the convention, the convention closing with a very successful banquet. Incidental to the Convention was the opening of the New Edison Shop on South Salina street by Frank E. Bolway & Sons. In addition to the dealers who attended the convention, practically all of the officials of Thos. A. Edison, Inc., with the exception of Mr. Edison himself, were present.

## DELIVERING EDISONS BY AUTO

Irving H. Klein Uses Up-to-Date Methods in Supplying a Constantly Growing Clientele

FARIBAULT, MINN., October 30.—The R. H. Bach Piano Co. reports a constantly growing demand for the Edison Diamond Disc phonographs and



Irving H. Klein and His Auto

records. Irving H. Klein, the manager of the concern, believes in up-to-date methods of merchandising, as is demonstrated by the six-cylinder automobile which he uses for delivering Edison phonographs and records to purchasers. The accompanying photograph shows Mr. Klein standing beside his machine, the picture being taken while he was on his way to deliver a high-priced Edison machine to a suburban customer. A special box has been constructed on the rear of the auto, in which the instruments and records are carried.

## POPULAR MONTANA DEALER

In the Pathephone Line Is P. W. Wiesmandel, of Bozeman—Has Built Up Good Business

"Wisey," the cowboys, miners and ranchers affectionately call him, for P. W. Wiesmandel, Pathé dealer at Bozeman, Mont., is one of the



P. W. Wiesmandel

most popular business men of that city. It is said that he only has to sit at his desk and business flows to him, and this is partly substantiated by the fact that his Pathé business has quadrupled since he took on the line a few months ago. "Wisey" looks just a little stern in the accompanying picture, but his neighbors and customers know him for his genial smile and his willingness to go out of his way to render them service and satisfaction.

## VICTOR LINE FOR OTTO WISSNER

The New York warerooms of Otto Wissner, Inc., 53 East Thirty-fourth street, have added the Victor talking machine to their talking machine department. They will in the future feature both the Victor and Sonora lines.