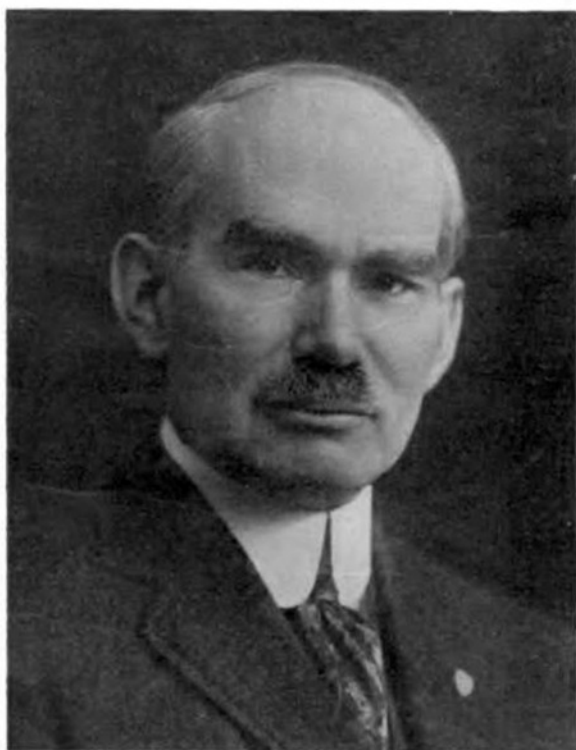


New De Forest Company to Manufacture Radio Telephones In San Francisco

The Pacific Coast is welcoming the latest venture of Dr. Lee De Forest—the establishment of a fully equipped radio telephone factory at 451 Third street, San Francisco, Cal. Dr. De Forest has been wise to select the

Lee De Forest, Incorporated—for that is the name of the new firm—will manufacture radio telephones exclusively, and a full stock of the Eastern De Forest Radio Telephone and Telegraph Company's apparatus will



Dr. Lee DeForest

Pacific Coast for his field of operations, for this is the country of long distances and a ready market will be found for the product of the new company.

be carried to supply Pacific Coast dealers.

The factory will include a modern vacuum bulb plant for the manufacture of oscillion bulbs. These bulbs



1 K.W. Tube Compared to Ordinary Desk Telephone

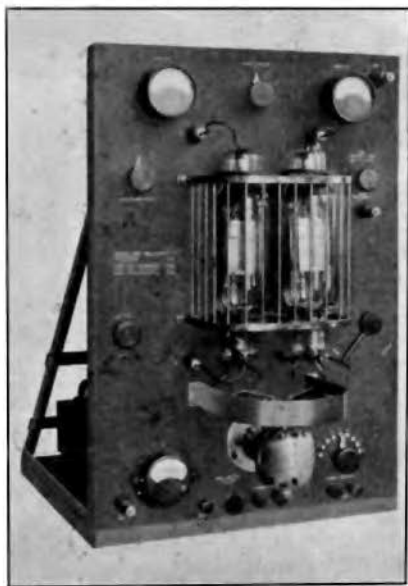
are well known to radio men as generators of oscillating currents. Several types of bulbs will be handled by the new corporation from the small VT type requiring an input of only 12



Radio Telephone Receiver

watts to the large power tubes able to handle full one kilowatt. The accompanying illustration shows the one-kilowatt tube placed alongside of an ordinary desk telephone.

Lee De Forest, Incorporated, are to manufacture four sizes of the radio telephone transmitters. The smallest will be the one-quarter kilowatt size, which will transmit radio telephone messages seventy-five miles with the average size antenna. This distance



1 K.W. Transmitter

is, of course, only average, since the quarter-kilowatt transmitter has actually been used over much greater distances with perfect results. The next size transmitter is of one-half kilowatt capacity; the third, one kilowatt capacity, and the next, a two kilowatt transmitter. The two kilowatt transmitter is capable of transmitting from 150 to 450 miles, depending on the height of the an-

(Continued on page 371)

(Continued from page 362)
 tenna. All transmitters may be used either as telephones or for continuous wave telegraphy. When the latter is utilized the transmitting distances are trebled. An illustration of the one kilowatt transmitter is shown herewith.

Mr. R. M. Klein, the manager of the San Francisco plant, is starting an active campaign of education to introduce the De Forest radio telephone to the commercial field, where it is most needed. Uses for radio telephones will be found in communicating between locations where satisfactory line communication does not exist, according to Mr. Klein. Claims for the De Forest radio phones are very modest. This fact may be observed by a perusal of the new catalog soon to be off the press. It is felt that an under-estimation of the apparatus when described to the pros-

pective owner of a radio phone will tend to satisfy him much more than the use of a great amount of extravagant claims, and after the installation is once in operation, the owner will find the descriptions in the catalog are made with great integrity.

The new De Forest radio telephone apparatus will be constructed so that an expert radio engineer will not be required to operate it; in fact, the attention required after being once installed and adjusted is no more than that necessary for a typewriting machine or any similar mechanical office appliance.

AMBITION SHOWN

Several men showed their ambition in response to our notice that we paid for our material. They received a check for their trouble. Why don't you get busy too?

—PACIFIC RADIO NEWS.

PACIFIC RADIO SCHOOL

ARC AND SPARK SYSTEMS

THE MOST UP-TO-DATE AND EXCLUSIVE RADIO SCHOOL IN THE WEST. LATEST TYPE POUlsen 2 KW ARC TRANSMITTER AND INDEPENDENT TYPE ONE KW 500 CYCLE SPARK SET.

EQUIPMENT IN ACTUAL OPERATION.

NAVY STANDARD RECEIVING SET WITH AUDION AMPLIFIER.

UNDER THE PERSONAL SUPERVISION OF ADDISON S. MCKENZIE, CHIEF ELECTRICIAN, U. S. N. R. F., FORMERLY INSTRUCTOR AT MARE ISLAND NAVY YARD.

INSPECTION INVITED. SEND FOR DESCRIPTIVE CIRCULAR.

433 NEW CALL BUILDING

SAN FRANCISCO

O A R D

WATCH

WE'RE COMING