



## ARMOUR RADIO ASSOCIATION

The first meeting of the A. R. A. was held on Wednesday, September 29, 1920. Sixteen radio enthusiasts responded to the "Q. S. T." for members, and elected the following officers for the ensuing year:

E. A. Goodnow.....	President
G. H. Kelley.....	Vice-President
H. I. Hultgren.....	Chief Operator
R. S. Kenrick.....	Secretary

The purpose of the association is the stimulation of interest in all radio matters and other subjects relating thereto, not only among station operators, but also among all others who may be interested. A number of the members have had commercial or Navy operating experience, and prove a great help to the less experienced members. The members of the A. R. A., together with the class in Radio Communication, have carried on some very interesting experiments on Undamped Wave or C. W. Transmission with both buzzer and voice modulation. The spark transmitter, which was installed last year in the Radio Station in Chapin Hall, was dismantled and a C. W. Transmitter, using vacuum tubes as a source of power, was installed.

The receiving apparatus has been reconstructed in accordance with the latest developments in radio communication, and signals have been copied with ease from several of the large Transatlantic stations. A special Federal experimental station license has been obtained through the efforts of Professor Wilcox. This provides for the operation of a transmitter, either Spark or C. W., over a range of wave-lengths between 200 and 600 Meters. The official call letters of the station, as provided in the license, are 9YL. Actual communication has been carried on over a distance of thirty miles, using a single vacuum tube in the transmitting outfit. With the new apparatus which is soon to be installed, it is hoped distances of several hundred miles can be covered.

A great deal has been done, but much more can be accomplished in the vast field of Radio. Undoubtedly there are, among the members, many who, along this line, will help the Armour Radio Association to make a name for Armour Institute.