

ENGINEERING SOCIETIES

Armour Tech Radio Association

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A successful year, and one of many accomplishments, is the record of the Armour Tech Radio Association for the months just past. Due to the greatly increased interest in radio, the membership was considerably larger and the club more active than usual. A regular receiving and transmitting station was placed in working order, and an operating schedule established. Speakers were secured to give addresses before the club at its meetings. One of the addresses of especial interest was given by Mr. R. H. G. Mathews of the Chicago Radio Laboratories, a former student of Armour. Many helpful hints for design and construction were given in his informal talk.

Numerous problems had to be solved and many difficulties overcome before an operating station could be established. The only possible antenna location available at the present time is undesirable, hence it was necessary to construct a counterpoise to reduce its high frequency resistance. Apparatus was limited, and as much of it is not in the best condition, a large amount of coaxing was required to induce it to perform. However, with a two-hundred-fifty watt tube and a two thousand volt D. C. generator as a nucleus, a set was placed in order. The well known Hartley Circuit was employed. Since the installation of this set, traffic has been carried on with various schools and amateur stations in the Mississippi valley area, and with further improvements the range will be greatly increased. The receiver in use at present is the ordinary variometer set prevalent among amateurs.

Much has been done to establish a station which will keep Armour in the front rank in radio communication, and further improvements are anticipated for the coming year.