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Latest broadcasting map, 15c. That is, a complete broadcasting map appeared in RADIO WORLD, No. 8, dated May 20. Mailed on receipt of 15c. Radio World Company, 1493 Broadway, New York City.

## National Radio Club Organizing

**P**ITTSBURGH—A club that seems destined to play a big part in the future of radio is being organized here. While one of its fundamental purposes is to promote and finance the installation of radio equipment in hospitals, it will also use its influence to keep the broadcasting art on its present high plane; enlarge musical and educational radio programs; keep all members informed regarding developments, improvements and news of interest regarding radio; answer, without charge, all technical questions asked by members; receive and file articles written by members for reference; lend the moral support and influence of the club to those agencies endeavoring to eliminate the confusion of signals; promote fraternity and good fellowship among members with the aid of a distinctive official button and card of membership. It is to be called the National Radio Club. It proposes to weld the nation's army of radio enthusiasts into one compact body.

The organization committee includes Harold B. Coe, New York City; Charles W. Payne, Philadelphia; F. R. McCray, Los Angeles; Otto J. Palm, Cincinnati; R. Gordon Craig, Ray Mansmann, and Francis G. Albertson, Pittsburgh; radio enthusiasts who are sparing no effort to promote the interest of radio transmission.

Although the club has been assured the hearty co-operation of large manufacturers it will maintain a strictly neutral attitude in all matters of equipment. Its officers and directors will be selected from radio enthusiasts not engaged in making or selling radio apparatus.

A nominal membership fee of \$2 will be asked. Applicants should address Francis G. Albertson, secretary, 419 Fulton Building, Pittsburgh, Pennsylvania.

## First Radio Waves Pro- duced in U. S. in 1871!

**T**WELVE years before Heinrich Hertz announced his radio discoveries, Professor Elihu Thomson, a professor of chemistry in a Philadelphia high school, produced and operated the first apparatus to transmit electro-magnetic waves through space without wires.

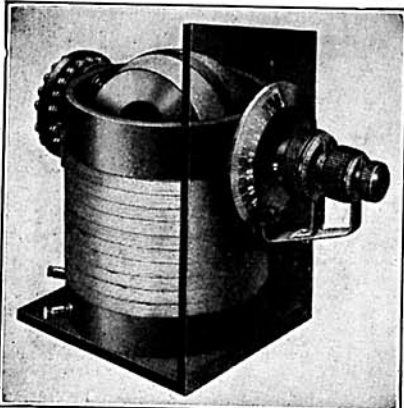
This statement is made by Professor L. M. Knoll, now head of the physics department of the Central High School, Philadelphia. According to Professor Knoll, it was Professor Thomson, now director of the Thomson Research Laboratory of the General Electric Company, in Lynn, Massachusetts, who successfully demonstrated that electrical impulses may be transmitted without the use of wires, at least twelve years before the announcement by the German scientist, Heinrich Hertz, of the University of Bonn. Hertz, in 1887, informed the scientific world of his discovery that electro-magnetic waves sent out by induction coils or other suitable apparatus may be caught by a receiving apparatus without the use of wires.

Following up the experiments of Hertz, Senatore Marconi produced the first practical wireless apparatus and adapted it to commercial use. Professor Thomson, according to Professor Knoll, made no practical application of his work, but conducted it solely as an experiment.

In "The General Electric Review," May, 1915, Professor Thomson describes his experiments with the first radio set. His statements are corroborated in an article in the issue, dated March 20, of the same publication, by Professor Monroe B. Snyder, a former instructor in a Pennsylvania high-school.

In the early issues of the *Journal of the Franklin Institute*, for 1876, appear articles by Professor Thomson describing radio experiments begun as far back as 1871. Credit is given by Professor Thomson to his colleague, E. J. Houston.

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