

While the work of perfecting means of wireless telegraphy was being carried on in England, the inventors of America were not idle. One of the foremost of these was Dr. Lee de Forest. In 1906, after many trials and failures he succeeded in bringing forth the vacuum rectifier or audion, with the result that crystal detectors of receiving sets, then in use, were abandoned. The audion also introduced continuous wave transmission, a system, which made radio possible, and much superior to "spark" transmission.

Meanwhile, experiments on wireless telephonic communication were being carried on. The first distance covered was five-eighths of a mile. In 1924 further experimenting resulted in a distance of forty-four miles being covered. In 1915 the American Telegraph and Telephone Company, with the aid of the Western Electric Company succeeded in radio telephoning across the American continent to Hawaii, a distance of five thousand miles. Experimenting continuing, communication between Arlington and Eiffel Tower, Paris, was effected. At this period of its history the public became interested, with the result that broadcasting stations were erected and many radios sold to the ever-demanding populace.

In 1924 a program from Pittsburg was relayed to England where it was re-broadcasted throughout the British Isles. During the same year a similar experiment was carried out, whereby a program broadcasted from Pittsburg was distinctly heard at Calcutta, India. This indeed is one of Radio's crowning achievements, for nations of other continents now become very closely related.

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The past of wireless telegraphy and radio has been great, filled with many trials and failures of its inventors. Three of these stand out prominently; the Englishman, Clerk-Maxwell; the German, Hertz; the Italian, Marconi, who received the invention and by means of his persistence and his faith, developed a system of communication which has proved an incalculable benefit to mankind.

K. E. H.

What We Would Like To Know

How long it will take Scottie '28 to learn how to make bread?

Why Munroe '26 is always late?

Why did Jane '26 write "lovingly" on her graduation picture?

How will Bud '28 run her Nash up the Stanley hill?

Where did Brown '28 leave his manners?