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THE FLAVOR LASTS

AFTER EVERY MEAL

RADIO

MARCONI REALLY FATHER OF RADIO

Story of the Gifted Italian's Work in Development of Air Communication.

While experiments along the line of radio really started as far back as 1827 and hundreds of scientists were interested in solving the problems involved for many years, it was not until 1896 when Senator Guglielmo Marconi took out his first patent that the mastery of air communication got its first great impetus. His life history is to all practical intents the history of radio communication.

Senator Guglielmo Marconi, G. C. V. O., L. L. D., D-Sc. M. I. E. E., was born in Bologna, Italy, April 25, 1874. His mother was Irish, while his father was of a family whose mechanical ability was marked. After an education at Leghorn and Bologna, the young man interested himself in the problem of wireless telegraphy, starting his research in 1895. He went to England and in 1896 took out the first patent ever granted for a practical system of wireless telegraphy, by the use of electric waves. His early experiments in England were made at Westbourne Park. Shortly afterward Marconi saw W. H. Preece and at his request made some experiments for officials of the postoffice. Some further experiments were made in May, 1897, in the Bristol channel, wireless communication being established between Lavernock and Brean Down, a distance of nine miles.

On the invitation of the Italian government Marconi afterward went to Spezia where a land station was erected, which was kept in constant communication with two Italian battleships working from a distance of 12 miles. For this success the Italian government conferred upon Marconi the honor of knighthood. After a return to England further experiments were conducted and on July 20, 1897, the first radio company was formed and two permanent stations erected. In 1898 wireless reports of yacht races in Kingstone were made and proved the usefulness and adaptability to which the system lends it-

services at the disposal of King Victor and was given the rank of lieutenant in the Italian army. He was employed on important military missions to England by the Italian government and after this service was transferred as temporary commander in the Italian navy. Marconi visited the United States in 1917 as member of the official mission sent by Italy. In 1919 Marconi was appointed plenipotentiary delegate to the peace conference at Paris, and in this capacity signed the peace treaties with Austria and Bulgaria. He was afterward awarded the Italian military cross.

This very important figure in the wireless world, who has received about all the honors possible for the scientific world to bestow upon him,



Guglielmo Marconi.

Including the Nobel prize, has not given up active work, but is even now engaged in radio telephone experiments.

Radio enthusiasts have increased tenfold within the last few months, it appears from a survey conducted by the Associated Press and covering the central west, Kentucky and Texas. At virtually all points from which reports have been received, there are thousands of radio sets, particularly for purposes of telephony, where at most there were hundreds before.

While the sets are used chiefly for pleasure and experience, they are being put to practical uses in many cases. Numerous farmers are receiv-



H. G. Corcoran of Washington, D. C., Needs No Aerial for His Radio Outfit, His Receiving Wire Being Connected to the Wire Springs of His Bed.

self to commercial purposes. In December, 1898, Marconi installed apparatus to provide communication between the South Foreland lighthouse and a lighthouse on the south coast. In 1899 Marconi read a paper on "Wireless Telegraphy" before the Institution of Electrical Engineers in London.

Early in 1901 telegraphic communication was established between two points more than 250 miles distant and at the end of that year Marconi transmitted signals from Poldhu, in Cornwall to St. Johns, Newfoundland. In 1902 he received on board the steamship Philadelphia in the presence of the officers, good messages on the tape when at a distance of over 1,500 miles from the transmitting station and signals at over 2,000 miles. In December, 1902, the station established at Cape Breton, Nova Scotia, under a contract with the Canadian government for transatlantic wireless telegraphy, was put into communication with the Cornwall station at Poldhu and inaugural messages were transmitted to the King of Italy and to the London Times. In October, 1903, the steamship Lucania published a daily wireless bulletin from messages received from the Marconi stations.

A powerful station at Chiffon on the west coast of Ireland was opened early in 1907 for the establishment of commercial relations with the American continent at Glace Bay. Mr. Marconi's work has been recognized by many governments and seats of learning; he has been decorated by the King of Italy and the late czar of Russia as an honorary doctor of many universities, including Oxford, Glasgow, Aberdeen, Liverpool and Pennsylvania, besides having received the freedom of the principal Italian cities. In 1914 he was elected a senator in the Italian parliament. He also holds many scientific awards granted by various societies and institutions.

Upon the declaration of war by Italy, Senator Marconi placed his

ing market and weather reports, and police are receiving bulletins. Sermons, concerts, health talks and style talks are transmitted. Universities and professional operators are co-operating.

Approximate figures are reported from various states and centers indicating the present number of radio sets. According to A. L. Benson of St. Louis, division manager of the American Radio Relay league, about 90,000 radiophones are used in four states as follows: Iowa, 23,000; Missouri, 25,000; Nebraska, 22,000; Kansas, 20,000. In St. Louis alone there are some 2,200. The radiophones chiefly carry concert music, but in many localities farmers have installed them to receive market reports.

Correspondence from Texas reports 263 stations in Dallas, ranging in size from 1/4 K. W. to 20 watts, and almost equal numbers in other cities of the state.

Cleveland, Ohio, reports probably 15,000 radio enthusiasts, 1,000 sending stations in greater Cleveland, virtually all amateur, and 10,000 receiving sets used almost nightly. These estimates exclude 500 sets.

Indiana has 4,500 amateur radio sets and Indianapolis 1,000 radiophones. Wisconsin has nearly 1,500 stations, and the number is said by Malcolm P. Hanson, University of Wisconsin operator, to be increasing at the rate of five a day. Nearly 1,000 sets are reported in Milwaukee and vicinity.

North Dakota has a number of receiving stations and a few fairly powerful telegraph and telephone sending stations. The North Dakota Agricultural college is planning to install a 100-watt service for farmers. The vacuum tube is displacing older equipment in the state.

Marked growth is reported at Omaha, Neb., by two radio clubs which have been in existence only six months. The University of Nebraska and Nebraska Wesleyan, co-operating send to amateurs in Nebraska, South Dakota, Iowa, Colorado and Kansas.

COUNTIES WEST OF COAST RANGE, MAY FISH NOW

The trout fishing season opened on the 15th inst. in all counties west of the Coast Range mountains, and continuing until Nov. 30th of the present year. It may not be amiss to quote the essential parts of the law for the benefit of those who have not the date on hand.

The law limit is 20 fish or 20 pounds in any one day, and 60 fish or 40 pounds in any seven consecutive days. It is unlawful to have in possession more than 60 fish or 40 pounds at any one time. The open season for trout over 10 inches in waters of the Pacific Ocean and in all bays, inlets and during the months of December, January, February, March and April of each year.

Crappies, catfish, perch and sunfish may be caught any time but the bag limit is 30 fish or 20 pounds in any one day.

The season for bass is June 15th to April 15th of the following year with the bag limit the same as for trout.

Fishing may only be done by hook and line, and then not within 200 feet of any fishway, and it is unlawful to sell or offer for sale any game fish.

Angling license for resident anglers is \$3.00. County angler's license for persons between the ages of 14 and 18 years, to angle in resident's county is \$1.50.

Unnaturalized persons are required to secure a gun license of \$25 and both hunting and fishing license before hunting or fishing.

NOTICE OF CONTEST

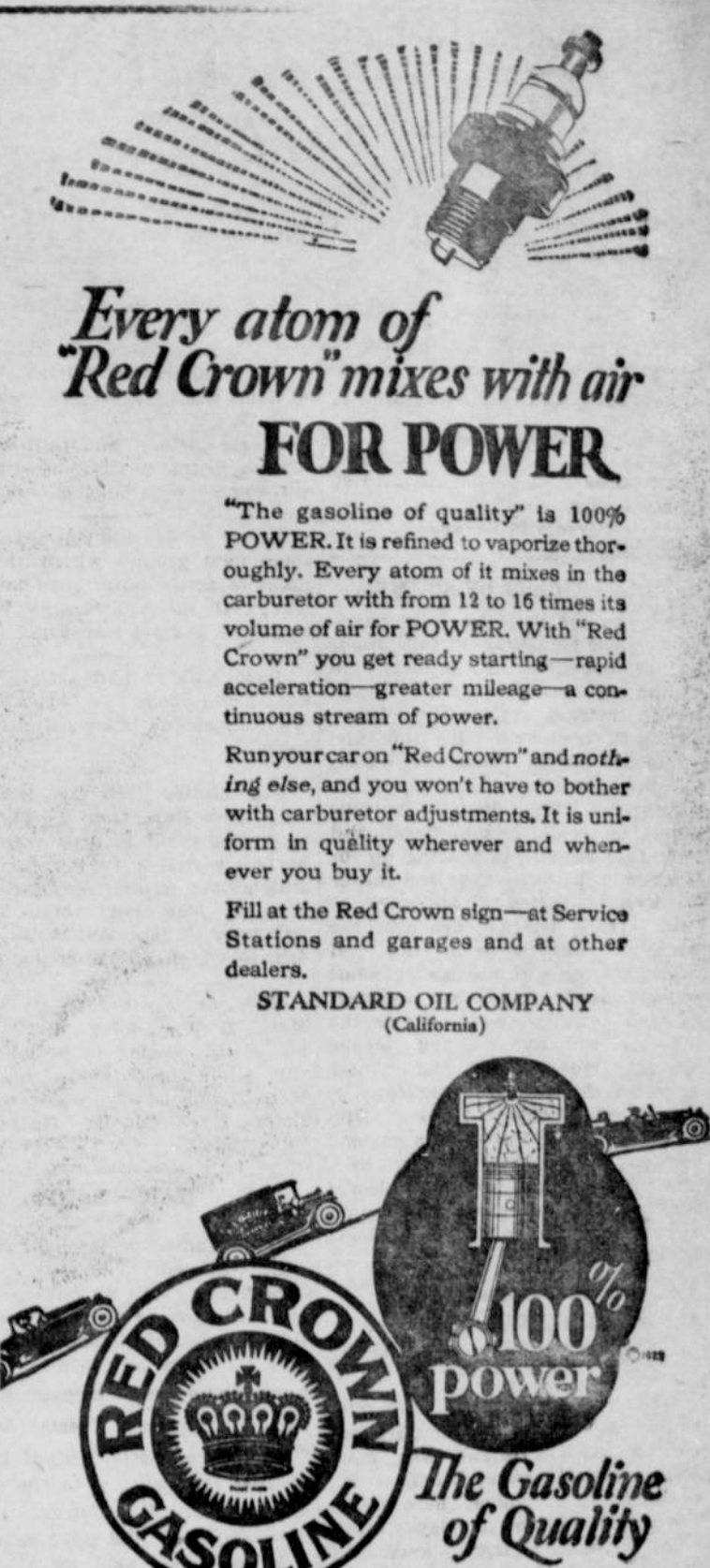
DEPARTMENT OF INTERIOR
United States Land Office
Portland, Ore., Apr. 6, 1922.
To Heirs of Albert R. Batchelder, deceased, of Blaine, Oregon, Contestees:

You are hereby notified that Clarence B. Chappell, who gives Blaine, Tillamook County, Oregon, as his post-office address, did on March 15th, 1922, file in this office this duly corroborated application to contest and secure the cancellation of your Homestead Entry No. 06473 Serial No. 06473 made September 25th, 1919, by Albert R. Batchelder, deceased, for NE 1/4 of SW 1/4, SE 1/4 of NW 1/4, and SW 1/4 of NE 1/4, Section 4, Township 4 South, Range 7 West, Willamette, Meridian, and as grounds for his contest he alleges that said Albert R. Batchelder died in the State of Oregon on or about the 23rd day of October, 1920; that at the time of his death he was not engaged in the military or naval service of the United States during any war in which the United States was engaged; that since he made said entry on September 25th, 1919, he had not been engaged or employed in the military or naval service of the United States; that he never served in the military or naval service of the United States during any war in which the United States was engaged; that he never made settlement on said land or resided thereon before he made said entry; that he lived on said land less than one year after he made said entry; that he did not comply with the law so as to entitle him to a patent for said land, and his default therein was not due to his employment in the military or naval service of the United States; that his heirs are unknown and their places of residence are unknown to contestant and after due and diligent inquiry said heirs or their places of residence cannot be found by him; that none of said heirs has ever resided on said land or improved it or cultivated any part thereof, and they have wholly abandoned said land for more than six months immediately preceding the beginning of this contest; that more than one year has elapsed since the death of said entryman; that the absence of said heirs from said land and their failure to improve or cultivate said land is not and was not due to their employment in the army or navy of the United States during any war in which the United States has been engaged.

You are, therefore, further notified that the said allegations will be taken as confessed, and your entry will be canceled without further right to be heard, either before this office or on appeal, if you fail to file in this office within twenty days after the FOURTH publication of this notice, as shown below, your answer, under oath, specifically responding to these allegations of contest, together with due proof that you have served a copy of your answer on the said contestant either in person or by registered mail.

You should state in your answer the name of the post office to which you desire future notices to be sent to you.

Alexander Sweek, Register
Frank O. Northrup, Receiver
Date of first publication Apr. 14, '22
Date of 2nd publication Apr. 21, '22
Date of 3rd publication Apr. 28, '22
Date of 4th publication May 5, '22



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