Now the Boy Wireless Can Get Busy Again

Surprising Record of Amateurs Called Into Real Service by the War, and Why New Inventions Make It Possible for Clever Youngsters to 'Listen In' on the Great Currents of 'Air Talk'

Wireless has appealed to the imagination of boys, and very simple give them a world of advents

With tens of tho less stations all over t especially along the c have been impossible to ficiently strict hands of an unservoulous operator the manage of an unscruptions operator the wireless apparatus might have done immeasurable harm. It would have been possible, for instance, to transmit messages to Mexico or ships at sea, and thus communicate more or less directly with Germany. The problem of the perturbing of mighter messages directly with Germany. The problem of the neutrality of wireless messages arose early in the war. It was de-cided that the invisible waves were contraband and must be controlled. A sharp lookout was held for any wire-less spy. It was discovered, for ex-ample, that a high-powered wireless apparatus, which was removed in the daytime, was strung from the rigging of an interned German steamer. Under cover of darkness messages were sent to enemy stations in distant lands and to ships far out at sea. to ships far out at sea.

A BOY WIRELESS STATION FULLY OUTFITTED TO CATCH MESSAGES ONCE RESERVED TO THE VERY LARGEST PLANTS





A WIRELESS STATION SCHOOL IN FULL OPERATION.

BY F. A. COLLINS

NYONE can "listen-in" on the wireless telegraph messages sent out by the great European sta-An ingenious American boy with the aid of a home-made apparatus is now able to overhear the Elffel Tower at Paris or Nauen, Germany, as well as thousands of other land and sea stations.

"GETTING IT FIXED" ONE OF

familiar with the antennae draped | ward of 300,000 amateur wireless men against the skylines of cities large and in the United States. These men or spaints the skylines of cities large and small and often in remote country dis-tricts. The wires might be strung from the roofs of high buildings or from the saves of seme barn to a con-their own in competition with profesvenient haymow, but the ingenuity of sional operators. Venient haymow, but the ingenuity of the American boy was always equal to the occasion. Many of the amateur op-erators are school boys who chat among themselves in their leisure hours. The educational value of such training is of course, very great. With the increased facilities for long-dis-tance work the American box becomes

When the call was issued for wire-less men the response throughout America was instantaneous. Thousands of these men were needed at once to take charge of the wireless stations on the memberst chiese the envery and -Copyright, Western Newspaper Union.

UmassThe series and marker wirelessThe series and marker wirelessThe series and marker wirelessAt a military wireless station of one-stateThe series and marker wirelessThe series and

The little Marconi instrument that makes it possible for a boy in an ordinary home station to hear the news of the world.

Regulating the Amateun.

Even before the war it was found n some sections that the activities of number of amateur wireless stations often interfered with the send-ing of government and commercial messages. To prevent this the amas teur operators were obliged to pass ex-aminations and be regularly licensed. It is now proposed to remove as many of the restrictions as possible. By re-

find out what's the matter with her. You-I tell you there's nothing the matter with her. did. She'd have busted on you forty ways in another ten mile. Bill, hand me the monkey wrench. You-But you've got about half of it on the flo SUNBURN LOTIONS NECESSITY The boss-Dump the parts into her, Bill Bill-Here she is. Bill-(complying). There they are You-But you'll have to put them together again. The boss-I can't do that for my The boss-Now take these valve beads. (Handing more parts to Bill). You-For the love of Mike, put that car together again, or will I call the | car together again, or will Salt Water Splendid for the Complexion and Makes the Skin Firmer You-(wearily). Very well, what'll it cost to fix it? and Finer. W HATEVER else you forget, don't burns most quickly. Salt air and foggy burn and windhars burn of sun-moist air are also mod for and foggy The boss-Two dollars an h You-How many hours will it take? The boss-Maybe four, maybe ten, The boss-Maybe four, maybe ten, depends on how much I find is the mat-ter with her. You-Fil not be swindled that way. The car was perfectly good when I brought it in here. The boss-All right, you put her to-sther then. You-(Not knowing what the cam shaft is). The cam shaft is all right. The boss-It is, hey? Look at it! (Holds up a twisted metal rod for your inspection). You-Well it was all right till we

gether as good as new, barrin' the cam shaft, which will be pretty near as good as new. Your wife-Don't stand for it.

1.81	You-I've got to.	
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FOR OUTING AT BEACHES

The boss-All right, you put her to gether then. You-How? I can't put it together The boss-I tell you what I'll do Buddy. I'll make you a price of five dollars for stickin' her together as the in town, but reactive and bushels of tal-cum, and even quantities of dry roug-tin town, but reactive like boxes displayed under glass near the sodawater foun-tain; but when you come to ask for lass obvious preparations the country drug-gist has not heard of them. His idea as good as new. Your wife-Don't stand for it. You-Tre got to. (AND YOU DO). (Copyright, 1915, the Bell Syndicate, Incorporated.)

the-Matter-With-It" Plea Sometimes Doesn't Count at All. BY JAMES J. MONTAGUE. thing to it, will you? They're so ax A TRAGEDY IN ONE ACT. pensive. You-Certainly not. The boss (coming er on the turn table. Cast of Characters. forward). The Garage Boss. Garage Hand. Your Wife. Scros: & Garaga Tou-Very well. The boss-No! No! Not that way! You-All right. Tell me how you want me to go. The boss-Here! Say, didn't you ever OU (driving a perfectly good car into the garage)-Hello! Garage hand (in rear of shep) drive a car before! You-Of course, I have. -Hallol Teu-Of course, I have. The boss-Look out! You'll smash that Rolls Royce over there. You-Suppose you run it in! The boss-I guess I'd better. (Get's into the car and takes gear shift lever). She's in rotten shape, aint she? You-No, sh's all right. I just want to know her here over night. You-Can I leave this car here over nightf Garage hand-What's the matter with ft7 You-Nothing's the matter with it. I just want to leave it here. Garage hand--I'll call the boss. Hey, to keep her here over night. Guy wants his bus' fixed. -(after driving car on turn there! Wait till I get a socket table). wrench. Boss (from the rear of the shop)-Whai's the matter with H? You-Nothing's the matter with H. Boss-Fill be right out.

CAR DRIVER'S MANY TRIALS

-Don't let them do any-Wile-

Auto Doctors Much Like Cost of Living and Often Irresistible-"Nothing-Bill-Here she is. Fill—Here she is.
The boss—(busy with Stilson). I told you so. (In a moment small parts of the engine begin to some out from under the hood. Bill gathering them up and depositing them in a bucket).
The boss—I'm afraid she's a little wuss off than what I thought she was. Your wife—Make him put those things back right away.
You—Look here! You haven't got any right to take that car spart.
Te boy Look here! You haven't got to take that car spart.
Tou—Look here! You haven't got to take that car spart.
Te boy ou Look table). Walt till 1 get a socket wrench. Yen-Don't use any socket wrench The bess-It won't seat you much te The bess-It won't seat you much te

The boss-Bring me that seven-eights socket wrench, Bill. Bill-Here you are. The boss (bending over gear shift lever)-I told you so. [car tog Your wife-You musn't do anything police? to that car. The bess-It's all right lady. (Busy with wrench. In a moment the gear shift lever is taken out and laid gently to one side). Now let me set a hold. to one side). Now let me got a look under the hood. (He looks under hood). Valves are fammed. Bill, hand me the three-eighths socket wrench. You-Now please-The boss-Just a minute. Just a minute! I wouldn't dass let no car go out o' the shop in that shape Hand me the Stillon, Bill. Buil-Here she is. Teald Tou-tout the boss-(deprecatingly). Now don't get hasty, Buddy. You brought the car in here for me to fix, and I gotta fix it, aint I? You-I didn't bring it in here for

At a military wireless school.