

FARM RADIO

Cost of Radio Receiving Set

SO MANY people are interested in the installation of radio receiving sets to catch wireless messages that we are giving the following statement which was prepared by a member of the physics department of the University of Missouri:

"The cost of a radio receiving set depends on the range that is to be obtained and the wave lengths to be received. For instance, a small set, capable of receiving up to 25 miles can be purchased for about \$25. A range of 200 to 400 miles can be obtained with a set obtainable for an outlay of \$75. A first class amateur set, which will receive from any place in the United States will cost from \$150 to \$200.

"A high aerial is an advantage but not a necessity. The aerial should not be too long as in that case it would be impossible to receive the short-wave amateur stations. Aerials about 80 to 100 feet in length will give the best results. A good ground connection is very important. Ordinary water pipe having the usual underground connections is satisfactory, but if this is not at hand, a piece of pipe driven 6 to 10 feet in the ground, or copper plates or wire mesh buried will give good results.

"The apparatus on the market today seems to fulfill its present requirements very well. Of course there will be improvements in design continually, but the good apparatus that is now in use will probably be satisfactory for a number of years to come. Several different ranges of wave length are now in use. The amateur and broadcasting stations all use a wave under 500 meters in length."