

# COMPETITION

Remember our great handitalkie competition at Leicester? Probably not since about 3000 went to the show and we expect to sell about 50,000 of this issue. However we'll give you a second chance to attempt our great multiple choice exam but first the good news, at least for the winner of the Leicester show entries.

He is:

John Regnault G8FQO, 32 Pearcroft Road, Ipswich IP5 7RE. John wins an IC2E handitalkie plus remote microphone. Laura Scott G4HUV of Oscroft, Chester is runner up.

Unfortunately there are no prizes for coming second. However there is a prize for coming last. B Mann G6MTZ distinguished himself by getting just one ques-

tion out of 14 right in the multiple choice test in complete opposition to the laws of chance.

G6MTZ wins himself a CB aerial.

Why don't you have a go yourself? We'll give a 12V power supply to the first correct entry received at this office. Furthermore you will get a mention in the magazine as being a very intelligent person.

Send your answers on a postcard or back of an envelope to Frank Ogden G4JST, Ham Radio Today, 145 Charing Cross Road, London WC2 0EE.

Just put the question numbers followed by the letters together with your name, callsign (if you've got one) and address.

Have fun,

Frank Ogden G4JST

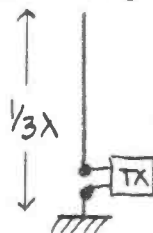
- 1) You increase the power of your rig from 10 watts to 40 watts.

Will the received signal go up by:

a.  $\frac{1}{2}$  S point, b. 1 S point, c. 2 S point, d. 4 S point

a b c d

- 2) A groundplane aerial has a length equal to  $\frac{1}{3}$  wavelength.

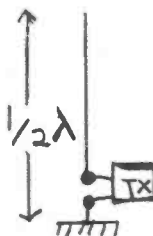


Will the transmitter see:

a. capacitive, b. inductive, c. resistive load

a b c

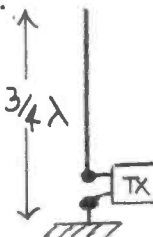
- 3) For the aerial shown below, will the transmitter see:



a. low impedance, b. medium impedance, c. high impedance

a b c

- 4) Assuming that the aerial shown below is used with an infinite, perfectly conducting ground-plane, will the transmitter see a resistance of:



a. 25 ohms, b. 35 ohms, c. 50 ohms, d. 75 ohms, e. 100 ohms, f. 120 ohms

a b c d e f