

10m - Steckmast

Der Mast besteht aus:

- 14 Mast - Sektoren
- 1 Hammer
- 1 Isolator
- 1 Mastfuß bestehend aus Mastfußsteller und Hering mit Dreh-/Kippgelenk
- 4 Heringe
- 4 Abspannleinen 50 Fuß lang ROT
- 4 Abspannleinen 40 Fuß lang GELB
- 4 Abspannleinen 31 Fuß lang GRÜN
- 3(-5) Scheiben zum Einhängen der Abspannungen
- 1 Flaschenzug



15. Installation of Mast Assembly

a. General. When the location for the mast assembly (par. 12 and 13) has been chosen, drive the swivel stake on the mast base into the ground at the selected point; use the hammer supplied.

b. Mast Sections and Guy Plates.

(1) Place the mast sections in a line on the ground (fig. 13) with the female end of each section pointing toward the swivel stake.

Note. If the mast assembly is to be used as an antenna support, the direction in which the antenna will run should first be determined. The line of mast sections should be placed approximately 135° counterclockwise from the direction of the horizontal antenna. The top guy plate should be positioned so that the odd hole will face toward the direction of the antenna when the mast assembly is raised.

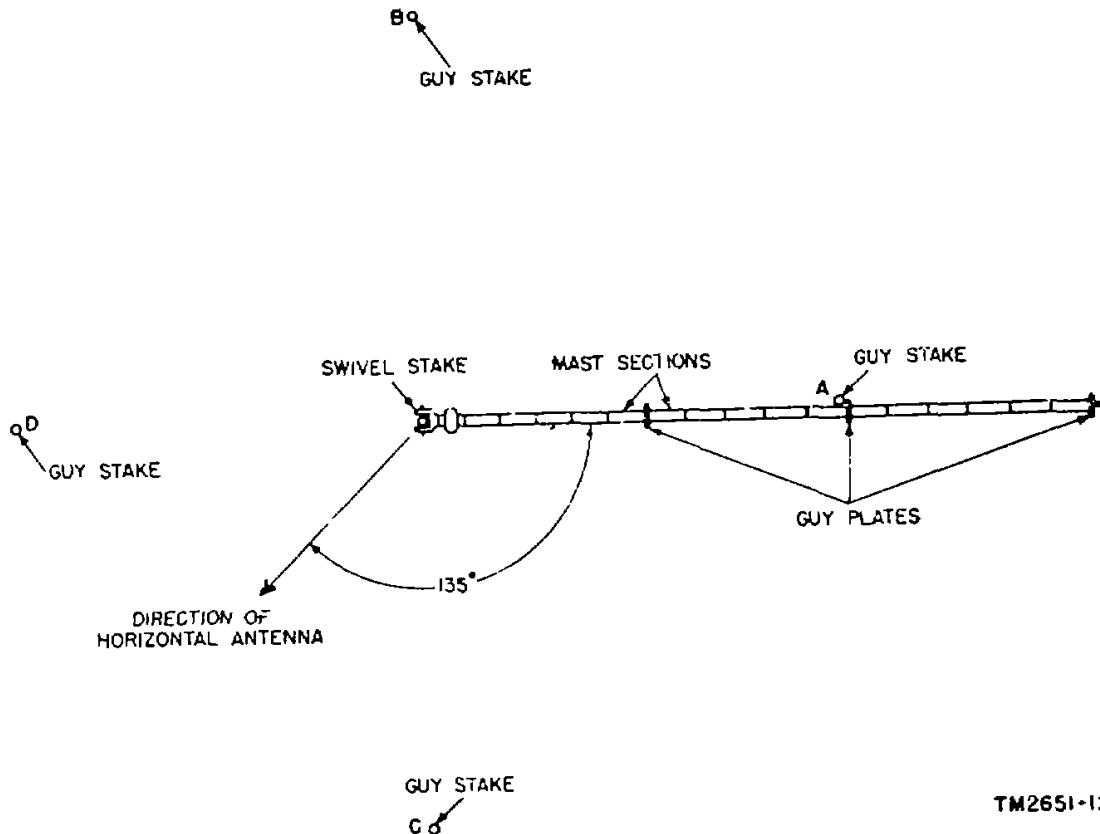
(2) Add the base insulator to the swivel stake and then add the mast sections one by one until five sections have been assembled. Allow the mast sections to rest on the ground.

(3) Place a guy plate on the male end of the fifth section.

(4) Add five more mast sections to the first five sections and place a second guy plate on the male end of the tenth mast section.

(5) Add the last 6 sections to the first 10 and place the third guy plate on the last section.

(6) If the 55-foot antenna is being used, add the whip adapter to the last mast section. Add the standard whip

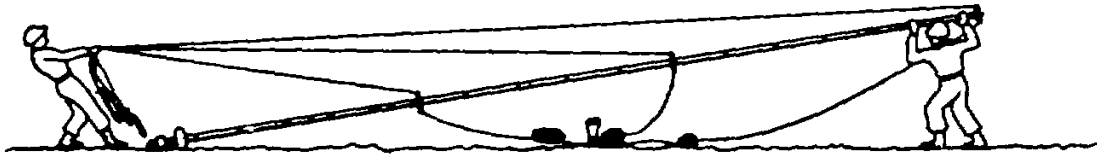


- (1) Drive in stake A at the junction of the 10th and 11th mast sections. Tilt the stake away from the swivel stake at an angle of approximately 30'.
- (2) Measure the distance between the swivel stake and stake A. Use a guy or the measuring tape.
- (3) Use this measurement and locate stakes B and C about 90° on either side of the swivel stake.
- (4) Drive in each stake at a 30' angle to the swivel stake.
- (5) Use the same measurement and locate stake D 90° from stakes B and C.
- (6) Drive in stake D at a 30' angle.

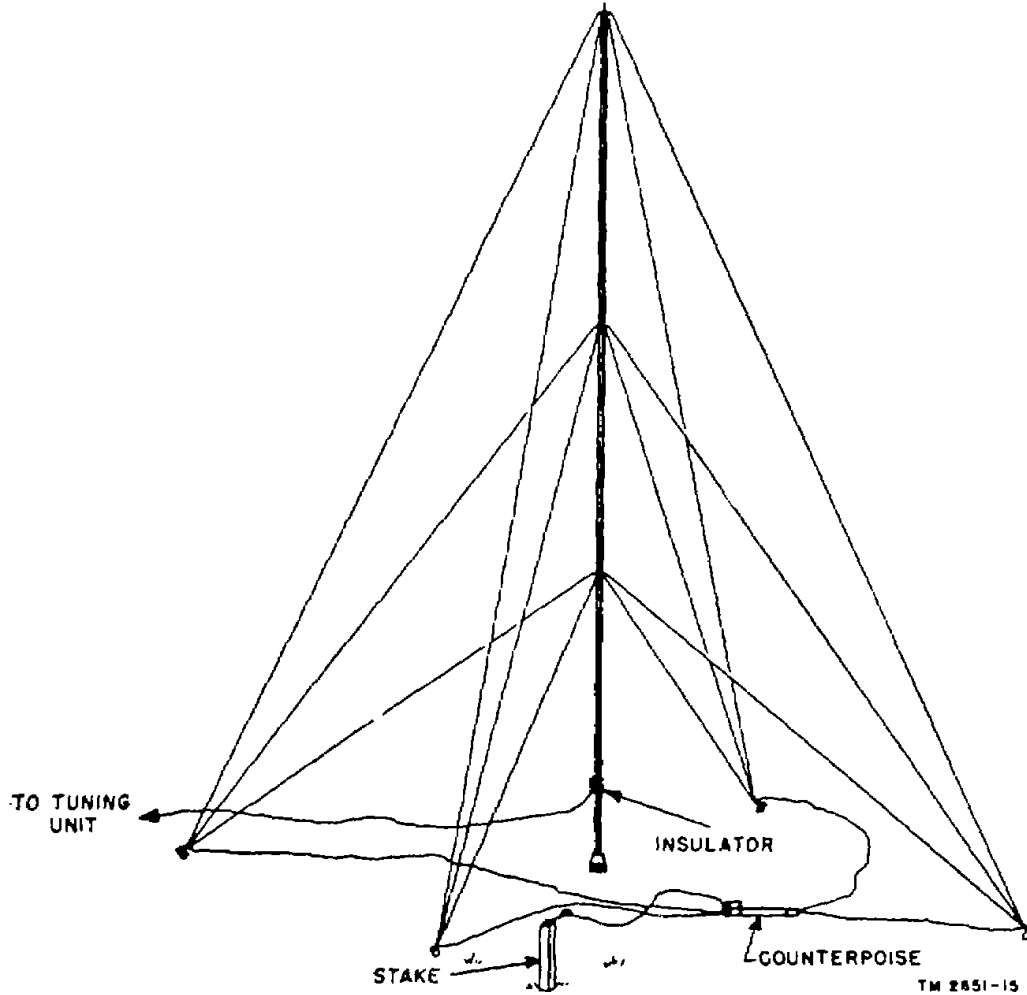
c. *Stakes.* The four stakes should be located 25 feet from the swivel stake and approximately 90' apart. Note that the letters assigned to the stakes in figures 13 and 14 and in the text below are inserted for purposes of illustration only and are not markings on the equipment.

16. Raising Mast

- a. Two men are required to raise the mast. One man stands near the swivel stake, holding the halyard, if used, and the three free guys. The second man takes his position at the far end of the mast pole.
- b. The first man pulls on the free set of guys, being sure to keep more tension on the top guy so that the mast bows slightly. At the same time, the second man raises the end of the mast.
- c. The first man walks toward stake D while pulling on the guys. At the same time, the second man walks toward the swivel stake, raising the mast pole as he goes.
- d. When the mast is upright and the slack set of guys has become taut, the second man assists the first in securing and adjusting the free set of guys to stake D. The halyard, if used, should be released and allowed to hang freely at the mast.
- e. If further adjustment is necessary to bring the mast more nearly vertical, first slack off the guys which are too short, then tighten the guys that are too long, and finally tighten the guys that were slacked off.
- f. If the mast assembly is to be used as a vertical radiator (fig. 16), use the counterpoise. Place the counterpoise at the base of the mast assembly and attach the four radials to the stakes. Connect the lead-in wire of the counterpoise to a good ground. The binding post of the tuning unit or the ground used with the associated radio set may be used. If available, a long metal stake driven into the ground can



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