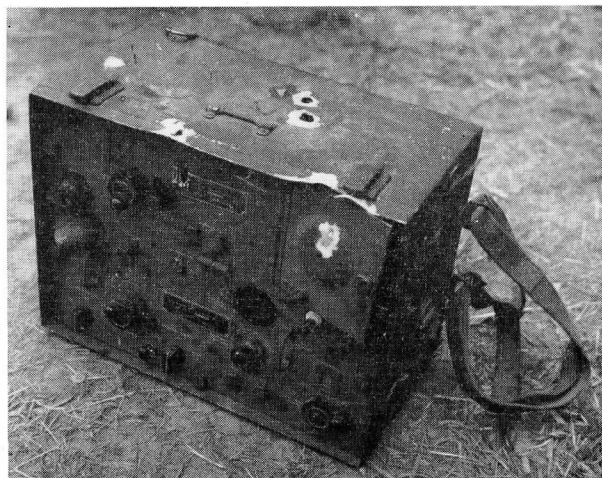


EFFECTS OF SALT SPRAY ON A SIGNAL CORPS RADIO SET.

you take the number of months' supply, e. g. one month's, two months', 75 days', etc., go in to the War Department list of maintenance figures for the numbers of these equipments and you get quite plainly and simply the storage which you should have in a depot. Add the 100 percent for the first



THE BC-654—A DAMAGED BY ENEMY RIFLE FIRE.

assault, and providing you have enough people, you will average out.

You can figure out almost exactly what you are going to need and providing the time is sufficient to smooth out the extent of your losses you will be all right.

BC-610-() TRANSFORMER REPAIRS

MODIFICATION WORK Orders MWO SIG 11-280-4, dated 21 June 1944, and MWO SIG 11-281-4, dated 21 July 1944, describe the installation of the improved rectifier filament transformer T-2, used in Radio Transmitter BC-610-(), part of Radio Set SCR-299/399/499. Although the mounting dimensions are the same for both transformers, the terminal arrangement for the new type is entirely different than the old type.

Due to a critical shortage of the new transformers for replacement purposes, a large proportion of the requisitions for this transformer cannot be filled at this time.

In order to keep the transmitter in operation, emergency repairs of the old type transformer are sometimes required. Reports received from the theaters indicate that failures of this transformer are due largely to high voltage flash-overs between the high voltage secondary center-tap and the transformer casing. Although increasing the clearance can be accomplished by cutting away a portion of the lip of the casing (see MWO SIG 11-280-3 or MWO SIG 11-281-3), this does not always cure the trouble.

Reports received from the Pacific and European Theaters of Operations indicate that an emergency cure may be obtained by insulating the en-

tire transformer from the chassis by means of a piece of bakelite or plexiglass, or by mounting the transformer on Isolantite stand-off insulators. This repair places a high voltage on the transformer case. Therefore, when the above repair is made, a warning notice should be placed on top of the transformer.

SERVICE GROUP FORMATION APPROVED

THE WAR Department recently approved the constitution and activation of two Headquarters and Headquarters Companies, Signal Service Group, for one of the theaters of operation. This action represents the first official recognition by the War Department of the necessity for a Signal headquarters to control a large number of Signal Corps units associated in the installation, operation and maintenance of Line of Communication facilities. These Signal Service Group Headquarters will each control two or more Signal service battalions and from 10 to 20 varied Signal service or tactical companies, sections and detachments.

Although Column AD of T/O and E 11-500 has been approved and published for more than one year, this was the first theater request to be approved by the War Department.