

TECHNICAL MANUAL

**ORGANIZATIONAL, DS, GS, AND DEPOT MAINTENANCE MANUAL
INCLUDING DEPOT OVERHAUL STANDARDS**

**RADIOSONDE RECORDERS
AN/TMQ-5,**

(NSN 6660-00-324-9426)

AN/TMQ-5A AN/TMQ-5B

(NSN 6660-00-393-2234)

AND AN/TMQ-5C

(NSN 6660-00-682-4500)

This copy is a reprint which includes current
pages from Changes 1 through 4.

HEADQUARTERS, DEPARTMENT OF THE ARMY

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**ORGANIZATIONAL, DIRECT SUPPORT, GENERAL SUPPORT
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 RADIOSONDE RECORDERS AN/TMQ-5
 (NSN 6660-00-324-9426),
 AN/TMQ-5A, AN/TMQ-5B (NSN 6660-00-393-2234),
 AND AN/TMQ-5C (NSN 6660-00-682-4500)**

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-ME-MP, Fort Monmouth, NJ 07703-5007.

A reply will be furnished to you.

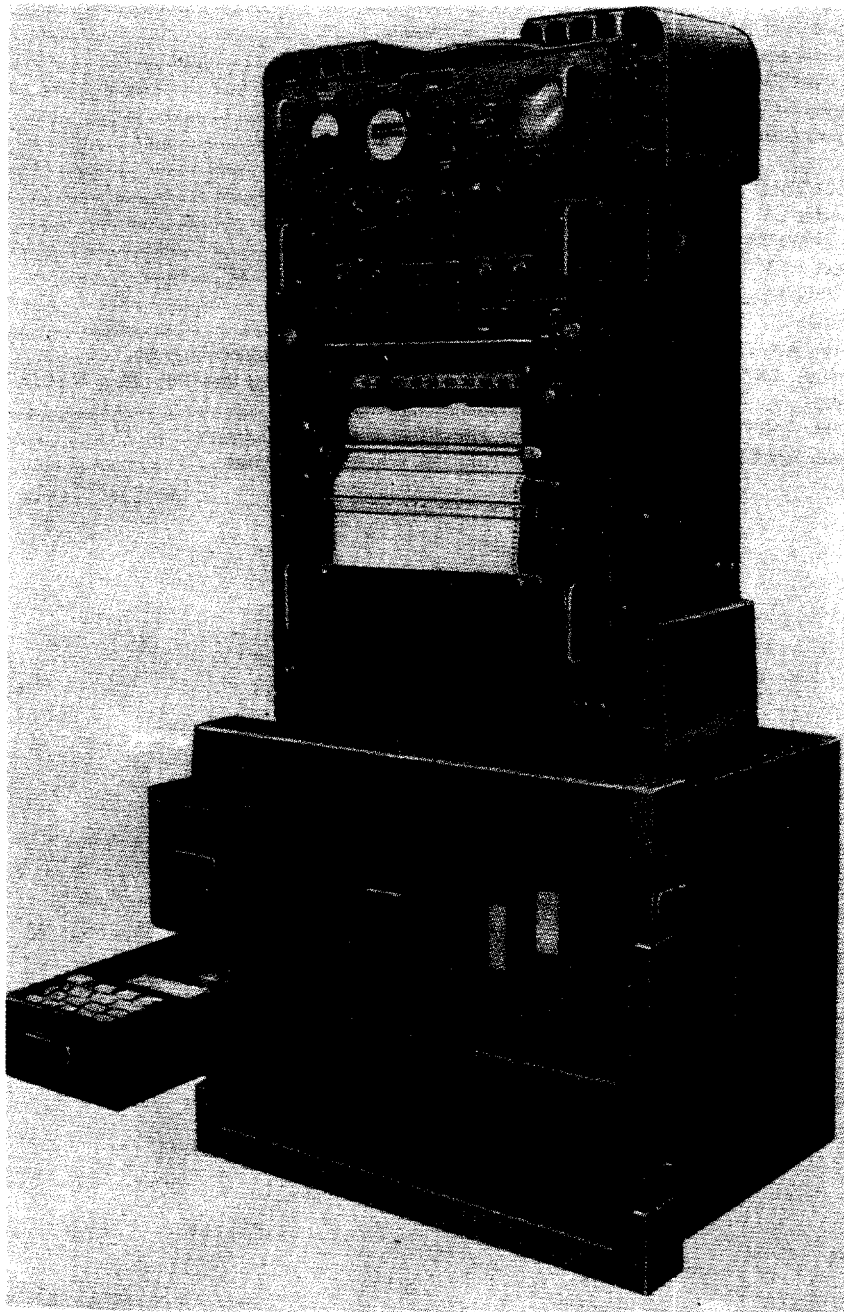
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Figure 1-1. Radiosonde Recorder AN/TMQ-5().*

CHAPTER 1

INTRODUCTION

1-1. Scope

a. This manual covers Radiosonde Recorders AN/TMQ-5, AN/TMQ-5A, AN/TMQ-5B, and AN/TMQ-5C (fig. 1-1). Included are instructions for troubleshooting, testing, repair and replacement of specified maintenance parts and calibration at organizational, direct support, general support, and depot maintenance levels and depot overhaul standards.

b. The use of an asterisk in parenthesis (*) is used to indicate models of an item or equipment that are sufficiently alike to be treated as a single model throughout the manual. Thus: Radiosonde Recorder AN/TMQ-5 (*) represents Radiosonde Recorders AN/TMQ-5, AN/TMQ-5A, AN/TMQ-5B, and AN/TMQ-5C. Rawin set AN/GMD-1 (*) represents AN/GMD-1A, and AN/GMD-1B; Computer, Humidity-Temperature CP-223 (*)/UM represents CP-223B/U M and CP-223C/UM; Control Panel C-834 (*)/TMQ-5 represents C-834/TMQ-5 and C-834A/TMQ-5; Signal Data Converter CV-146 (*)/TMQ-5 represents CV-146/TMQ-5 and CV-146A/TMQ-5; Frequency Time Recorder RD-88(*)/TMQ-5 represents RD-88A/TMQ-5, RD-88B/TMQ-5, and RD-88C/TMQ-5; Power Supply PP-968(*) represents PP-968/TMQ-5 and PP-968A/TMQ-5; Electrical Equipment Cabinet CY-1390 (*)/TMQ-5 represents CY-1390/TMQ-5 and CY-1390A/TMQ-5.

c. The maintenance allocation chart is in appendix B.

1-2. Consolidated Index of Army Publications and Blank Forms

Refer to the latest issue of DA Pam 310-1 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

1-3. Maintenance Forms, Records, and Reports

a. *Reports of Maintenance and Unsatisfactory Equipment.* Department of the Army forms and procedures used for equipment maintenance will be

those prescribed by DA Pam 738-750 as contained in the Maintenance Management Update.

b. *Report of Packaging and Handling Deficiencies.* Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2.

c. *Discrepancy in Shipment Report (DISREP) (SF 361).* Fill out and forward Discrepancy in Shipment Report (DISREP) (SF361) as prescribed in AR 55-38.

1-4. Reporting Equipment Improvement Recommendations (EIR)

If your AN/TMQ-5(*) needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Tell us why a procedure is hard to perform. Put it on an SF 368 (Quality Deficiency Report). Mail it to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-ME-MP, Fort Monmouth, New Jersey 07703-5007. We'll send you a reply.

1-5. Administrative Storage

Administrative storage of equipment issued to and used by Army activities will have preventive maintenance performed in accordance with the PMCS charts before storing. When removing the equipment from administrative storage, the PMCS should be performed to assure operational readiness. Disassembly and repacking of equipment for shipment or limited storage are covered in TM 740-90-1.

1-6. Destruction of Army Electronics Materiel

Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750-244-2.

1-7. Differences in Models

Refer to TM 11-6660-204-10 for an explanation of the differences between the various models and a description of the equipment comprising these models.