

**TECHNICAL MANUAL**

**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT  
MAINTENANCE MANUAL  
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS  
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)**

**SIGNAL GENERATOR AN/URM-170**

This copy is a reprint which includes current pages from Change 1. Title was changed by Change 1 as shown above.

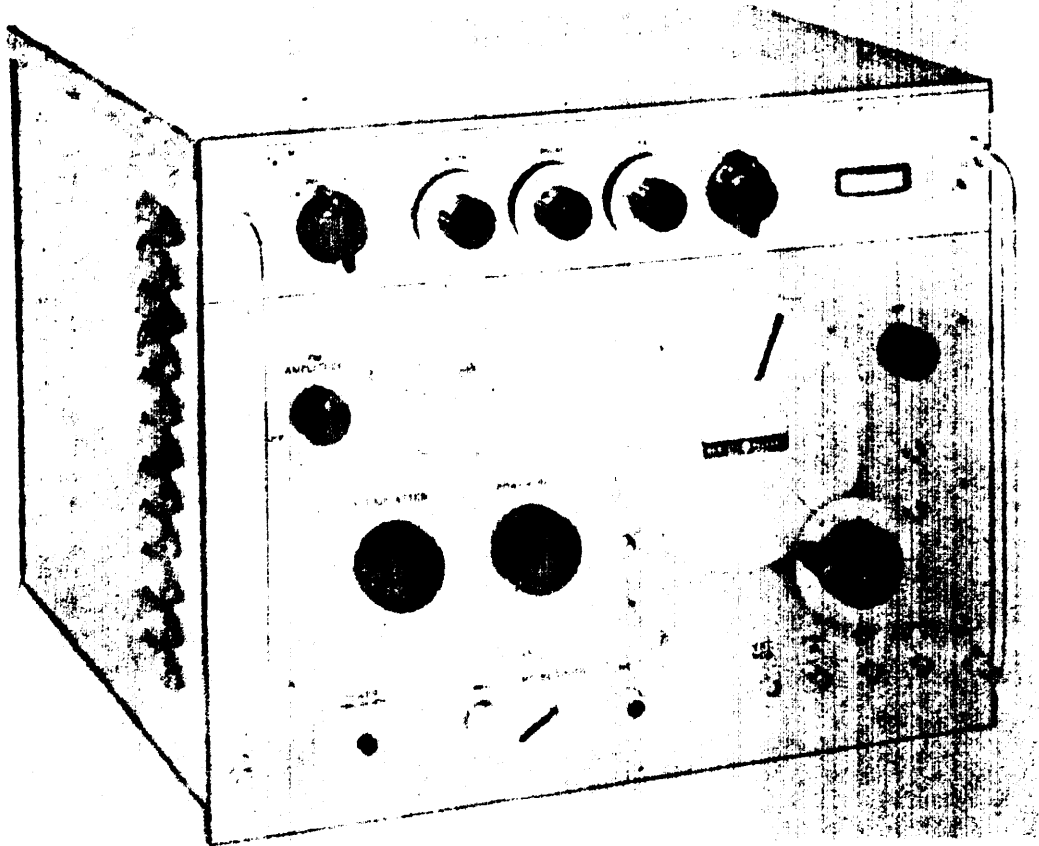
TECHNICAL MANUAL }  
No. 11-6625-2520-14 }

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, DC, 12 June 1972

Operator's, Organizational, Direct Support  
and General Support Maintenance Manual  
Including Repair Parts and Special Tools Lists  
(Including Depot Maintenance Repair Parts and Special Tools)

**SIGNAL GENERATOR AN/URM-170**

	Page
CHAPTER A. Introduction-----	A-1
1. General Information -----	1-1
2. Installation -----	2-1
3. Operation -----	3-1
4. Principles of Operation -----	4-1
5. Maintenance -----	5-1
APPENDIX A. References -----	A-1
B. Maintenance Allocation -----	B-1
C. Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts) -----	C-1
SECTION I. Introduction -----	C-1
II. Organizational Repair Parts List -----	C-5
Special Tools, Test, and Support Equipment for Organizational Maintenance (Not applicable)	
III. Repair Parts for Direct Support, General Support, and Depot Maintenance -----	C-9
Special Tools, Test, and Support Equipment for Direct Support, General Support, and Depot Maintenance (Not applicable)	
IV. Federal Stock Number Cross Reference -----	C-73
V. Manufacturer Part Number Cross Reference -----	C-80
VI. Reference Designator Cross Reference -----	C-84



*Figure 1-1. Model 618C/620B SHF Signal Generator.*

## CHAPTER A

### INTRODUCTION

---

#### A.1 Scope

*a.* This manual describes Hewlett-Packard Models 618C/620B SHF Signal Generators, nomenclature Signal Generator AN/URM-170, and covers its installation, operation, and organizational, direct support, and general support maintenance.

*b.* Throughout this manual, where appropriate, references are made to other publications which contain information applicable to the operation and maintenance of the Models 618C/620B SHF Signal Generator. A complete listing of applicable reference publications and manual changes are provided in appendix A.

*c.* The maintenance allocation chart appears in appendix B.

*d.* The repair parts list appears in appendix C which is current as of 28 February 1974.

#### A.2 Indexes of Publications

*a.* DA PAM 310-4. Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

*b.* DA PAM 310-7. Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

#### NOTE

This technical manual is an authentication of the manufacturer's commercial literature and does not conform with the format and content specified in AR 310-3, Military Publications. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

#### A.3 Forms and Records

*a.* *Reports of Maintenance and Unsatisfactory Equipment.* Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750.

*b.* *Report of Packaging and Handling Deficiencies.* Fill out and forward DD Form 6 (Report of Packaging and Handling Deficiencies) as prescribed in AR 700-58/NAVSUP PUB 378/AFR 71-4/MCO P4030.29, and DSAR 4145.8.

*c.* *Discrepancy in Shipment Report (DISREP) (SF 561).* Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33/AFM 75-18/MCO P4610.19A, and DSAR 4500.15.

#### A.4 Reporting of Equipment Manual Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-CT, Fort Monmouth, NJ 07703.

#### A.5 Administrative Storage

For procedure, forms and records, and inspection required during administrative storage of this equipment, refer to TM 740-90-1.