DATE 2/27/1964 SHEET 1 OF 4		TMC SPECIFICATION NO. S- 820	O
RGE COMPILED	TMC CHECKED	TITLE:	
APPROVED RJL			

PRODUCTION TEST PROCEDURE
FOR MPS-1

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 439M

DATE 2/27/64 SHEET 2 OF 4	TMC SPECIFICATION NO. S- 820	0
RGE COMPILED / CHECKED	TITLE: PRODUCTION TEST PROCEDURE FOR MPS-1	
APPROVED		

A. SYNOPSIS OF UNIT:

1. The MPS-1 is a Power Supply designed to provide 28 VDC for the MCG-1 Transistorized Frequency Standard. It further allows for routing of 110 VAC which is used in the heating element of the Standard's Oven.

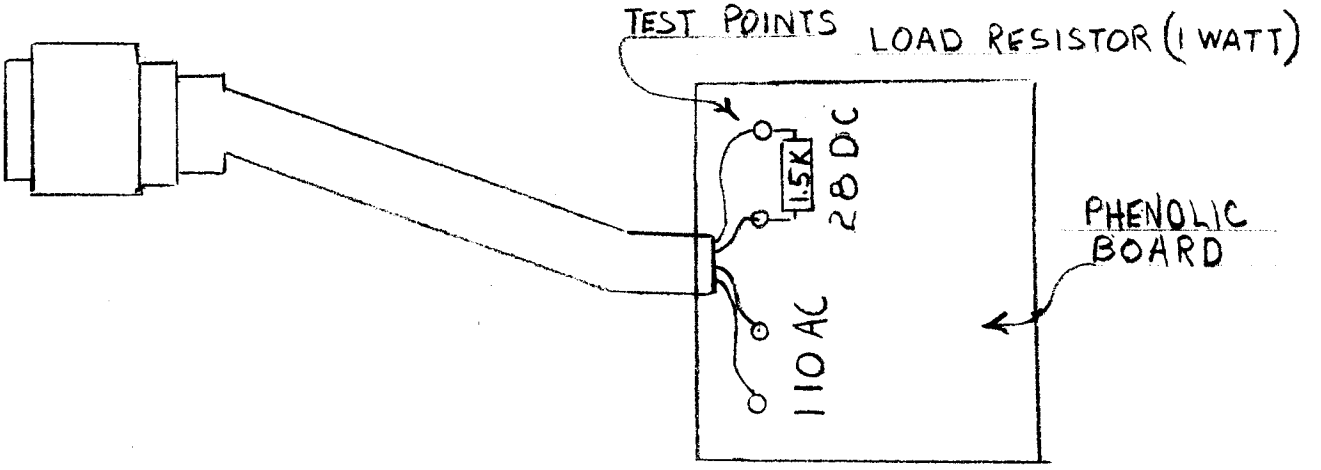
2. The circuit is a Basic Bridge Rectifier Type with a Zener Diode and Emitter Follower for closed loop voltage regulation.

B. TEST EQUIPMENT REQUIRED:

1. 1- AC VTVM Ballantine Model 314.
   2- Simpson Model 314.
   3- Test Jig for MPS-1 (Fig. A).

PLUG TO J6080 ON MPS-1

Figure A.



C. PRELIMINARY:

1. Check Unit for mechanical defects.

2. Check Unit for wiring defects.

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D. PROCEDURE:

1. Plug MPS-1 Test Jig into Output Jack J-6080.

2. Place Line Cord into J-6081, the 110 VAC Input Jack, Observe that Power Indicator Lamp lights.

3. Connect Simpson Meter Loads Across the terminals of the Test Jig marked 28 VDC. Note reading on Test Data Sheet.

4. Connect Ballantine Meter Loads to the terminals of the Test Jig marked 28 VDC. Note AC Ripple Voltage on Test Data Sheet.

5. Place Simpson Meter Loads across 110 VAC terminals on Test Jig and record reading on Test Data Sheet.

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DATE 2/27/64 SHEET 4 OF 4	TMC SPECIFICATION NO. S- 820	0
RGE COMPILED / CHECKED	TITLE: PRODUCTION TEST PROCEDURE FOR MPS-1	
APPROVED		

TECHNICAL MATERIEL CORPORATION
MAMARONECK, N.Y.

MPS-1 TEST DATA SHEET

SERIAL NO._____

MFG NO._____

B. 1. MECHANICAL CHECK _____ OK

2. WIRING CHECK _____ OK

D. 2. PILOT LAMP_____ OK

3. 28 VDC _____ OK (± 10%)

4. RIPPLE VOLTAGE _____ (less than 50 MV)

5. 110 VAC _____ OK

DATE _____

TESTER _____

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 439M

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S-820
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
4/2/64	0	1-4		ORIGINAL RELEASE FOR PRODUCTION	