

# table of contents

	<i>Page</i>
<b>Section 1 Installation</b> .....	1-1
1.1 Unpacking .....	1-1
1.2 Mounting and Cabling .....	1-1
<b>Section 2 Operation</b> .....	2-1
2.1 General .....	2-1
2.2 Control .....	2-1
2.3 Operating .....	2-2
<b>Section 3 Circuit Description</b> .....	3-1
3.1 General .....	3-1
3.2 High-Voltage Circuit .....	3-1
3.2.1 High-Voltage Regulation .....	3-1
3.3 Low-Voltage Circuit .....	3-1
3.4 Bias Voltage Circuit .....	3-1
3.5 Power Input/Output .....	3-1
<b>Section 4 Maintenance</b> .....	4-1
4.1 General .....	4-1
4.2 Cabinet Removal .....	4-1
<b>Section 5 Specifications</b> .....	5-1
5.1 Specifications .....	5-1
<b>Section 6 Parts List</b> .....	6-1
6.1 Introduction .....	6-1
6.2 Group Assembly Parts List .....	6-5
6.3 Numerical Index .....	6-11
6.4 Reference Designation Index .....	6-12
<b>Section 7 Illustrations</b> .....	7-1

## list of illustrations

<i>Figure</i>	<i>Page</i>
1-1 516F-2 AC Power Supply, Placement in 30S-1 Linear Power Amplifier .....	1-2
1-2 516F-2 AC Power Supply, Power Transformer Connections ....	1-3
2-1 516F-2 AC Power Supply, Bias Adjustment .....	2-1
6-1 516F-2 AC Power Supply .....	6-5
7-1 516F-2 AC Power Supply, Schematic Diagram .....	7-3

## list of tables

<i>Table</i>	<i>Page</i>
1-1 Equipment Furnished With 516F-2 .....	1-1