

# INDEX TO *Electron* VOLUME 2

## PART 1 • ALPHABETICAL

	No. & Page		No. & Page
Anti-Clutter Circuits	1-7	Mark 23 Mod 0 Computer	11-10
Arcing in SR-2 Radars	9-20	Maximum Permissible Coax Temperatures	2-17
Are You Available?	5-32	Measurement of Reactive Power, the	12-17
Armature Replacements	4-26	Model FSH Frequency Shift Keyer	4-18
Beam Travelling-Wave Tube, the	6-1	Model OCN Bathythermographs	3-26
Bi-Directional Couplers	9-19	Model OCT Monitor for FSK	1-19
Blower Motor Failures in the SO	4-16	Modification of the TDH for FSK	12-15
Broken Lugs on TBS Filter Choke	1-4	Modulator Exhaust on SP-IM Trailer	1-24
Bureau Reports	6-8	Monitor Scope Sweep Lengths	8-11
Canvas Transducer Covers	9-22	More About Poor Tubes	4-27
Carrier-Controlled Approach—1947 Version	11-1	Mounting TCK-4 Voltage Regulator	3-28
Caution Nameplates for TDQ	4-26	Multi-Cavity Magnetron, the	2-1
Ceramic Capacitors in MAR Radio Equipments	2-31	Multi-Channel Two-Tone Radio Telegraphy	10-20
Change in Sonar Terminology	3-26	Need Some Wire?	1-22
Check Your LAF Spares	1-4	New Search Radar, A	7-1
Coax Dry-Air Requirements	7-13	New Type Sonar Crystals	1-6
Concealed Deterioration	6-4	NJ-8 Equipment Wiring Change	11-20
Connector for CQA-51080 Transducer	2-16	NMC-1/2 Receiver Removal	9-17
Correction to QJB Instruction Book	2-16	Non-Interchangeability of Synchros	12-20
Countermeasures Equipment Declassified	4-26	OCT Frequency-Shift Monitor	10-24
Crystal Oven Extractors	12-24	OKA Trouble	12-11
Crystal Ovens for UHF Equipments	11-16	Open Pulse Cable in SG-4X	2-32
Date Markings on Electronic Equipment	11-16	Painting Sonar Transducers	2-16
DBM-1 Antenna Location	9-24	Panel Meter 10 107	4-27
Defective Tubes	8-10	Patchcords	6-10
Description of Radio Washington, A	9-1	Pliers and Nuts	11-19
Design Change in Mark 34 Radars	12-24	Polystyrene Windows for SV Radars	6-4
Design Considerations in Cathode-Ray Tubes	10-8	Portable Speaker Amplifier	1-15
Distribution of Instruction Books	4-16	Post-War Policy On Tubes	8-10
Echo Box, the	5-1	PQ Visual Recorder	9-15
Electrical Feedback in the TBS	4-14	Preferred List of Army-Navy Electron Tubes—28 Jan- uary 1947	12-12
Electron Tube Testing	2-23	Procurement of Wire Antenna Fittings	4-17
Electronic Line Voltage Stabilizer	1-5	Prohibition	4-28
Electronic Spare-Parts Program	11-11	Protection of Barco Slip Rings	3-13
Error in Mark 22 Mod 0 Instruction Book	1-25	Publications	10-7
Error in NMC-2 Instruction Book	3-23	Putting the Fox on Teletype	1-1
Errors in NavShips 900,926	12-24	QDA Trouble	11-10
ETM Sez, the	3-28	QFA Series Target Speed	8-5
Failure Report at Work Ashore, the	12-14	Queer Things in Synchro Systems	1-25
Failure Reports—The Technician's Lifeline	3-15	Radar Distribution Switchboard, the	2-10
False Echoes on Mark 34 and Mark 8	12-16	Radar Equipment Mark 25 Mod 2	3-1
Faulty RAU-2 Tapper-Bar Action	6-8	Radar—Part I	5-11
Faulty TDH-4 Transmitters	4-15	Radar—Part II	6-11
Fire Control Radar Mark 35	4-1	Radar—Part III	7-19
Fire-Control Radars—Comparison of Characteristics	8-9	Radar—Part IV	8-13
Flooding of Radar Antenna Assemblies	4-23	RADCM Allowances and Equipment	12-21
Forms Available	8-5	RADCM Antenna Performance	8-11
FRA Instruction Book	4-13	Radio Sonde Interference	9-20
Frequency Meter Trouble	1-15	Radio-Sonde Maintenance	6-24
Handy Sonar Wrench	3-27	Radio Washington, A Description of	9-1
Heaters for QGA Equipments	2-16	Rat-Race Duplexer, the	11-6
High-Flying Teletype	8-1	RCM System of Tomorrow, the	2-5
High Speed Transmissions on the Very-Low Frequen- cies	10-14	RDZ Tuning Inductance	8-6
Home-Made D/F System	9-13	Reconditioning SA/-2 Antennas	10-7
How Good Are Your Tubes?	2-32	Repair That Shorted Transducer	1-23
Improper Presentation on TACU	12-11	Replacement Oscillators for TDO-TDH	12-15
Increasing the Life of 2050 Tubes	9-17	Replacement Preamplifier for the SCR-584 Radar	1-26
Interference From SR-a Radar	1-23	Replacements for Jones Connectors	4-15
Knocking Out Knockouts	4-13	Replacing Tubes in the MAR Equipment	11-16
Knots	11-20	Report Those UHF Installations	11-19
List of Electronic Components	4-16	Requests for CNO Correspondence	8-12
LM-18 Instruction Book	4-14	Revised FCR Bulletin	11-19
Lubrication of Nutating Drive	12-24	Safety First With CRO Tubes	3-3
Magic Tee, the	10-16	Sensitivity of RCH Receivers	6-4
Magnetized Bearings	3-28	SG Bearing Error	8-12
Maintenance Notes on the Mark 34 Mod 2	1-25	Ship Electronic Inventory Report	8-4
Maintenance of Nancy Equipment	6-10	Shipboard Antenna Details	3-22
MAR Installations	11-20	Shipboard Radio-Teletype Panel	12-22

## PART 1 • ALPHABETICAL

	No. & Page		No. & Page
Short Cuts in Radar Calibration	1-18	Topside Coaxial Cable Protection	4-11
Signal Generator	11-20	Transducers for the NJ	4-26
Simplified Teletype Circuits	9-8	Trouble in Collins Autotune Systems	4-10
Sonar Range Recorders	6-10	Tube Changes in the SG-3	2-32
Sonar Transducer Repair Services	9-24	Tuning the Mark 22	1-16
SP Antenna Counterweights	4-28	UHF Crystal-Oven Extractor	8-11
SP B-Modulator Operation	3-6	UHF Installation Program	4-18
SP 8-Foot Antenna	11-19	VHF/UHF Remote Control Units	4-28
Spare Local Oscillators for SP Radars	6-4	VJ Radar Repeater Damage	5-28
Spare Parts Terminology	2-30	VJ Used as Master Indicator	11-19
Splicing RG-35/U Cable	3-24	VK Radar Repeater, the	12-1
Splicing RG-84/U and RG-85/U Cables	4-6	Warrant Officers Radio Engineering School, the	3-18
Spurious Transmitter Radiation	6-5	Watch Your Kilocycles	7-17
Stack Gas Warning	3-13	Waveguide Installation on Mark 34 Radar	11-17
Stripping Insulation	8-7	WCA Versus WFA	4-27
SU Gyro Control Box	4-16	WFA and NGA Transducer Bolts	4-26
SU/-1 Gyro Control Box	9-24	WFA Bearing-Repeater Connection	3-26
SX Rotating Waveguide	9-21	Where to Obtain Field Change Kits	3-26
Take Your Pen in Hand	2-19	X-Band Phenomenon	7-12
TBY Storage Batteries	9-23	XTEJ Radio Transmitting Equipment	3-4
TDY a/-1a Receiving Antennas	9-18	You, Too, Can Be a Dead Technician	6-8
TDZ Installation	8-6	Your Ship's Electronic Inventory Report In the Making	5-29
Technical Publications Get a New Home	1-14	YR Beacon Transformer Failure	4-18
Teletype Modification	7-17	Zero-Setting Range Unit on Mark 13 Mod 0	11-18
Teletype Pamphlet	11-20	1B54 Pre-TR Tube, the	9-17
Terminal Equipment Modified for UHF Teletype	1-20	1-Centimeter Search Radar	10-1
Test Equipment	11-20	4C33 Tubes in the SR-2	9-17
Testing Sonar Transducers	3-23	23 AGU Radar Distribution Switchboard	4-19
There Will be Music	11-18		

## PART 2 • CLASSIFIED

## COMMUNICATIONS EQUIPMENT

	No. & Page		No. & Page
<b>Model Letters:</b>		Pamphlet, Teletype	11-20
MAR Equipment, Replacing Tubes in the	11-16	Panel, Shipboard Radio-Teletype	12-22
MAR Installations	11-20	Putting the Fox on Teletype	1-1
MAR, Knocking Out Knockouts in the	4-13	Terminal Equipment Modified for UHF Teletype	1-20
MAR, Panel Meter 10 107 of the	4-27		
MAR Radio Equipments, Ceramic Capacitors in	2-31	<b>Nancy:</b>	
RAU-2 Tapper-Bar Action, Faulty	6-8	Maintenance of Nancy Equipment	6-10
RBO, Replacing Rectifier Tubes in the	11-18		
RCH Receivers, Sensitivity of	6-4	<b>General:</b>	
RDZ, Knocking Out Knockouts in the	4-13	Antenna Details, Shipboard	3-22
RDZ Tuning Inductance	8-6	Antenna Fittings, Procurement of Wire	4-17
TBS, Electrical Feedback in the	4-14	Armature Replacements	4-26
TBS Filter Choke, Broken Lugs On	1-4	Collins Autotune Systems, Trouble in	4-10
TBY Storage Batteries	9-23	CRO Tubes, Safety First With	3-3
TCK-4 Voltage Regulator, Mounting	3-28	Crystal-Oven Extractor, UHF	8-11
TDH, Modification of the, for FSK	12-15	Crystal Oven Extractors	12-24
TDH, Replacement Oscillators for the	12-15	Crystal Ovens for UHF Equipments	11-16
TDH-4 Transmitters, Faulty	4-15	Date Markings on Electronic Equipment	11-16
TDO, Replacement Oscillators for the	12-15	Electronic Inventory Report In the Making, Your Ship's	5-29
TDQ, Caution Nameplates for	4-26	Electronic Inventory Report, Ship	8-4
TDZ Installation	8-6	Failure Report at Work Ashore, the	12-14
XTEJ Radio Transmitting Equipment	3-4	Field Change Kits, Where to Obtain	3-26
		Jones Connectors, Replacements for	4-15
<b>Teletypewriter:</b>		Line Voltage Stabilizer, Electronic	1-5
Circuits, Simplified Teletype	9-8	Multi-Channel Two-Tone Radio Telegraphy	10-20
FRA Instruction Book	4-13	Patchcords	6-10
FSH Frequency Shift Keyer, Model	4-18	PQ Visual Recorder	9-15
FSK, Modification of the TDH for	12-15	Radio Washington, A Description of	9-1
High-Flying Teletype	8-1	Remote Control Units, VHF/UHF	4-28
Modification, Teletype	7-17	Spare-Parts Program, Electronic	11-11
Monitor for FSK, Model OCT	1-19	Spare Parts Terminology	2-30
OCT Frequency-Shift Monitor	10-24	Speaker' Amplifier, Portable	1-15



## PART 2 • CLASSIFIED

	No. & Page		No. & Page
<b>Publications:</b>			
Distribution Center Moved, Publication .....	10-7	1B54 Pre-TR Tube, the .....	9-17
Distribution of Instruction Books .....	4-16	4C33 Tubes in the SR-2 .....	9-17
FCR Bulletin, Revised .....	11-19	2050 Tubes, Increasing the Life of .....	9-17
List of Electronic Components .....	4-16	<b>General:</b>	
Technical Publications Get a New Home .....	1-14	Armature Replacements .....	4-26
<b>RCM:</b>			
Allowances and Equipments, RADCM .....	12-21	Availability Defined .....	5-32
Antenna Performance, RADCM .....	8-11	Cable Protection, Topside Coaxial .....	4-11
DBM-1 Antenna Location .....	9-24	Cable, Splicing RG-35/U .....	3-24
Declassified, Countermeasures Equipment .....	4-26	Cables, Splicing RG-84/U and RG-85/U .....	4-6
RCM System of Tomorrow, the .....	2-5	Carrier-Controlled Approach—1947 Version .....	11-1
TDYa/-1a Receiving Antennas .....	9-18	CNO Correspondence, Requests for .....	8-11
<b>Test Equipment:</b>			
Frequency Meter Trouble .....	1-15	Date Markings on Electronic Equipment .....	11-16
LAF Spares, Check Your .....	1-4	Deterioration, Concealed .....	6-4
LM-18 Instruction Book .....	4-14	Electronic Inventory Report in the Making, Your Ship's .....	5-29
OCT Monitor for FSK, Model .....	1-19	Electronic Inventory Report, Ship .....	8-4
TS-34A/AP Oscilloscope .....	11-20	ETM Sez, the .....	3-28
TS-331/UR Signal Generator .....	11-20	Failure Report at Work Ashore, the .....	12-14
60089 Vacuum Tube Megohmmeter .....	11-20	Failure Report Cards NBS-383 Available .....	8-5
<b>Tubes:</b>			
Beam Travelling Wave Tube, the .....	6-1	Failure Reports—The Technician's Lifeline .....	3-15
Cathode-Ray Tubes, Design Considerations in .....	10-8	Field Change Kits, Where to Obtain .....	3-26
CRO Tubes, Safety First With .....	3-3	Insulation, Stripping .....	8-7
Defective Tubes .....	8-10	Knots .....	11-20
Magnetron, Multi-Cavity, the .....	2-1	Line Voltage Stabilizer, Electronic .....	1-5
Poor Tubes, More About .....	4-27	Measurement of Reactive Power, the .....	12-17
Post-War Policy On Tubes .....	8-10	Pliers and Nuts .....	11-19
Preferred List of Army-Navy Electron Tubes—28 January 1947 .....	12-12	Radio Engineering School, The Warrant Officers .....	3-18
Testing, Electron Tube .....	2-23	Radio Sonde Interference .....	9-20
Tubes, How Good Are Your .....	2-32	Radio-Sonde Maintenance .....	6-24
		Reports, Bureau-Required .....	6-8
		Safety Precautions .....	6-8
		Spare-Parts Program, Electronic .....	11-11
		Stack Gas Warning .....	3-13
		Synchros, Non-Interchangeability of .....	12-20
		Take Your Pen in Hand .....	2-19
		Temperatures, Coax, Maximum Permissible .....	2-17
		Wire, Need Some .....	1-22