



Excellence in Electronics

PRICE LIST

DECEMBER 15, 1948

BROADCAST EQUIPMENT

AM TRANSMITTERS

RA-250A	250 watt transmitter, complete with tubes and one crystal (B-402)	\$ 3,350.00
	Set of spare tubes (B-712)	96.56
	Spare crystal (122-15005)	75.00
	Spare Parts Kit (B-710)	82.26
RA-1000A	1 kilowatt Transmitter complete with tubes and one crystal (B-401)	6,200.00
	Set of spare tubes (B-713)	304.10
	Spare crystal (122-15005)	75.00
	Spare Parts Kit (B-711)	327.40
	Modification Kit for 500/1000 Watt operation (B-405)	95.00
RA-5A	5 kilowatt Transmitter complete with control console, tubes and one crystal (B-400)	*
	Set of spare tubes (B-714)	1,336.66
	Spare crystal (122-15005)	75.00
RA-10A	10 kilowatt Transmitter complete with console, tubes and one crystal (B-403)	*
	Set of spare tubes	1,681.66
	Spare crystal (122-15005)	75.00

FM TRANSMITTERS

RF-250	250 watt Transmitter, complete with tubes and one crystal (B-700)	\$ 4,000.00
	Set of spare tubes (B-716)	92.85
	Spare TC-92 crystal (122-15003)	75.00
RF-1000	1 kilowatt Transmitter complete with tubes and one crystal (B-701A)	8,100.00
	Set of spare tubes (B-717)	346.58
	Spare TC-92 crystal (122-15003)	75.00
RF-3	3 kilowatt Transmitter complete with tubes and one crystal (B-702A)	10,500.00
	Set of spare tubes	533.55
	Spare TC-92 crystal (122-15003)	75.00
RF-10	10 kilowatt Transmitter complete with tubes and one crystal (B-703A)	*
	Set of spare tubes	1,061.55
	Spare TC-92 crystal (122-15003)	75.00
RF-1000A	1 kilowatt amplifier for use with RF-250 ... complete with one set of tubes (B-705A)	4,100.00
	Set of spare tubes (B-717)	253.73
RF-3A	3 kilowatt amplifier for use with RF-250 exciter (B-706)	6,500.00
	Set of spare tubes (B-718)	440.70
RF-10A	10 kilowatt amplifier for use with RF-3 exciter ... complete with one set of tubes (B-707)	*
	Set of spare tubes	528.00

ANTENNA EQUIPMENT

T-1000	Antenna tuning unit for use with RA-250 and RA-1000 with RCM-10 (includes 425 Meter No Charge (B-500A)	319.50
	less RCM-10 (B-506)	295.00

Antenna Equipment
(Continued)

RCM-10	Vacuum tube current rectifier less meter	27.00
	Coil set for 5 amp. range (B-503)	
	Coil set for 10 amp. range (B-503)	
	Spare tube (90-15087) Type 6AL5	1.23
RT-5/ RT-10	Antenna tuning unit for use with RA-5	960.00
RCM-20	Vacuum tube current meter for use with RT-5 (Coil set for 20 amp. range (B-505)	42.50
	Spare tube for RCM-20 (Type 6X5GT) (90-15039P2)	.92
301	Indicating meter for use with RCM-10 with RA-250 (Indicate expected antenna current) (301)	11.59
741	Indicating meter for use with RCM-10 with RA-1000. (Indicate expected antenna current)	21.06
RLC-10	Unhoused tower lighting choke (B-900)	60.00
RLC-10H	Tower Lighting Choke (housed) (B-901)	145.00
RGT-10	Isolation Transformer (B-510)	325.00

FM SECTIONAL ANTENNA

RFW-1A	Single section Antenna 88.97 mc. Gain 2.15 (B-508)	990.00
RFW-1B	Single section Antenna 97-108 mc. Gain 2.15 (B-509)	990.00
RFW-2A	Two section Antenna 88.97 mc. Gain 3.55 (B-511)	2,150.00
RFW-2B	Two section Antenna 97-108 mc. Gain 3.55 (B-512)	2,150.00
RFW-4A	Four section Antenna 88.97 mc. Gain 6.35 (B-513)	4,950.00
RFW-4B	Four section Antenna 97-108 mc. Gain 6.35 (B-514)	4,950.00

AUDIO EQUIPMENT

RC-11	Studio Console complete with tubes and wall-mounting power supply (B-300A)	1,300.00
RC-11	Studio Console complete with tubes and rack-mounting power supply (B-302)	1,300.00
	Set of spare tubes (51-16685)	22.99
RL-10	Limiting amplifier..complete with one set of tubes	350.00
	Set of spare tubes (51-16689)	9.81
RM-10	Monitor amplifier..complete with one set of tubes (B-100)	190.00
	Set of spare tubes (51-16686)	9.09
RP-10	Program amplifier..complete with one set of tubes (B-119)	190.00
	Set of spare tubes	4.55

Audio Equipment
(continued)

RPL-10	Line amplifier..complete with one set of tubes (B-121)	210.00
	Set of spare tubes	3.16
RV-10	VU Meter on standard panel with switch and pad (B-600)	105.00
RFP-10	Switch and fuse panel for rack cabinets (B-902)	27.50
<u>PRE-AMPLIFIER</u>		
RZ-10	4 Channel Pre-amplifier complete with 4 RZP-10 Plug-in Pre-amplifiers, 1 RZS-10 Power supply and 1 RZR-10 Panel and dust cover	365.00
RZ-10A	Same as RZ-10 except with 3 RZP-10 Plug-in Pre-amplifiers	290.00
RZ-10B	Same as RZ-10 except with 2 RZP-10 Plug-in Pre-amplifiers	215.00
RZ-10C	Same as RZ-10 except with 1 RZP-10 Plug-in Pre-amplifier	140.00
RZP-10	Plug-in Pre-amplifier only	75.00

REMOTE AUDIO EQUIPMENT

RR-10	Remote Amplifier single channel without VU Meter	121.00
	250 Ohms input impedance and Cannon connectors (B-102)	
	250 Ohms input impedance and Hubbell connectors (B-103)	
	30 Ohms input impedance and Cannon connectors (B-104)	
	30 Ohms input impedance and Hubbell connectors (B-105)	
	Set of spare tubes (51-16688)	6.08
	Carrying case (42-15062)	16.00
	V.U. meter kit (B-603)	60.00
RR-10MK		
RR-30	Remote Amplifier three channel less carrying case	350.00
	250 Ohms input impedance and Cannon connectors (B-113)	
	250 Ohms input impedance and Hubbell connectors (B-114)	
	30 Ohms input impedance and Cannon connectors (B-115)	
	30 Ohms input impedance and Hubbell connectors (B-116)	
	Set of spare tubes (51-16684)	9.56
	Carrying Case for Amplifier and Power Supply (42-15059 & 42-15062) Two pc. set	32.00
RPC-40	Portable consolette, 4 channel less power supply and carrying case (B-305)	605.00
	Set of spare tubes (51-16687)	10.75
	Power Supply (B-304)	55.00
	Spare tube for RPS-40 Type 6X5GT (90-15039P2)	.92
RPS-40		

RACK EQUIPMENT

RRC-10	Rack Cabinet 77" x 19" panel space Raytheon brown (20.15195)	105.00
Rack Panels 3/16" Aluminum 19" long W.E. Notching, finished in Raytheon Brown.		
	1 3/4" wide (25-15155P1)	2.25
	3 1/2" wide (25-15155P2)	3.25
	5 1/4" wide (25-15155P3)	3.75
	7" wide (25-15155P4)	4.50
	8 3/4" wide (25-15155P5)	5.25
	10 1/2" wide (25-15155P6)	6.00
	14" wide (25-15155P8)	7.50

Rack Mats for Jack Panel mounting 16 gauge steel finished in Raytheon Brown for RRC-10 (19" Long)

Single panel 3 1/2" wide (51-16179)	7.50
Double panel 5 1/4" wide	9.00

AUDIO RACK EQUIPMENT

PJ-141	Double row Jack panel for standard 19" racks (Audio Development Co.) (24-15616)	42.90
PJ-143	Single row Jack panel for standard 19" racks (Audio Development Co.) (24-15617)	25.80
PJ-12	Patch cords, with standard two prong plugs, 2 feet long (Audio Development Co.) (72-15106)	7.80
3-A	Equalizer, UTC, adjustable line equalizer for standard rack mounting	125.00

PHASE MONITORS

WM-30A	Phase Monitor R.C.A.	750.00
2-A	Phase Monitor, W. E.	916.20
40-C	Phase Monitor, Andrew	500.00
Oscilloscopes		
274A	Cathode Ray Oscillograph Dumont, 5" (51-16587)	136.50
Frequency & Modulation Monitors		
1170A	FM Frequency and Modulation Monitor - General Radio	1,625.00
1170AR	FM Frequency and Modulation Monitor - General Radio finished in Raytheon Brown	1,645.00
335-B	FM Frequency and Modulation Monitor - Hewlett Packard	945.00
	Spare tubes	22.38
1181-A	Frequency Monitor, General Radio, finished in Black (51-15498)	705.00
1181-AR	Frequency Monitor, 1181-A finished in Raytheon Brown (51-15496)	725.00
	Spare Tubes for 1181-A (51-16653)	15.50
1931-A	Modulation Monitor, General Radio, finished in Black (51-15497)	395.00

Phase Monitors
(continued)

1931-AR	Modulation Monitor, 1931-A Finished in Raytheon Brown (51-16628)	415.00
	Spare tubes for 1931-A (51-16654)	9.36

TRANSCRIPTION PLAYERS AND PICKUPS

RTT-20	Raytheon dual motor turntable less pickup	430.00
63-A	Presto turntable assembly 10A turntable in 3B cabinet, less pickup and equalizer (51-16659)	266.05
10-A	Turntable only, Presto (51-16662)	185.30
3-B	Cabinet, Presto (20-15117)	76.50
D-140S	Pickering cartridge for microgroove discs (Diamond Stylus)	36.00
D-120M	Pickering cartridge (Diamond Stylus)	24.90
S-120M	Pickering cartridge (Sapphire Stylus)	9.90
EL-3A	Combination Lateral/ Vertical R.M.C. (51-16635)	174.00
UL-1DA	Pickup, vertical/lateral (R.M.C.) with equalizer, switch, and Diamond Stylus (51-15505)	166.50
VL-1DA	Same as UL-1DA, except vertical only (51-16626)	150.00
LL-1DA	Same as UL-1DA, except lateral only (51-16633)	120.00
UL-1D	Spare pickup head for UL-1DA (51-15464)	112.00
163	Pickup lateral, (Pickering) complete with equalizer and switch (51-16584)	141.00
VL-1D	Spare pickup head for VL-1DA (51-16625)	97.50
LL-1DA	Spare pickup head (51-16643)	67.50
M1-4875G	Pickup Kit, Vertical=Lateral, RCA (51-16643)	225.00
109-AA	Reproducer Group (W.E.) including Reproducer, Arm, Equalizer, Switch, Repeat Coil, and Bracket	211.08
9-A	Reproducer Head for 109-AA (Spare) (51-16577)	96.12
109-B	Reproducer Group (W.E.) Sapphire Stylus	201.09
9-B	Reproducer Head for 109-B (51-16649)	86.13
<u>RECORDERS</u>		
8-N	Studio Recorder, Presto, Chassis only	1,319.20
	in Cabinet	1,430.55
6-N	Portable Studio Recorder, Chassis only (29-15195)	586.50
	in 1-B Carrying case	624.75
	in 4-B Cabinet	697.85
88-A	Recording Amplifier, Presto (51-15483)	293.25
87-B	Recording Amplifier, Presto (Portable)	320.00

SPEAKERS AND SPEAKER CABINETS

P-52-L	Speaker, 15" P.M. Standard single cone type (Stephans) (51-15489)	48.00
P-52-A	Speaker, 15" P.M. Coaxial type, has multicellular high frequency unit and cross-over network, less transformer (Stephans) (51-15490)	123.00
P-8-S	Speakers 8" P.M. less Transformer (Jensen) (51-15486)	9.90
P-12-SH	Speaker, 12" P.M. less Transformer (Jensen) (51-15488)	10.80
B-81	Baffle, 8" bass-reflex type (Jensen) (20-15192)	15.00
B-121	Baffle, 12" bass-reflex type (Jensen) (20-15196)	23.40
52-U	Baffle, 15" bass-reflex type (Stephans) (114-15030)	36.00
ZY-2002	Transformer, 500, 1,000, 1,500, 2,000 ohms, to voice coil for Jensen P8-S Speaker (92-15565)	3.00
ZY-2003	Transformer, 500, 1,000, 1,500, 2,000 ohms, to voice coil for Jensen P12-SH Speaker (92-15562)	4.32
D121	Jensen 12" Baffle (Walnut Veneer) (20-15198)	46.50
D151	Jensen 15" Baffle (Walnut Veneer) (20-15193)	46.50

MICROPHONES
RCA

44-BX	Studio Velocity (51-16579)	95.00
77-D	Studio Polydirectional (51-16682)	115.00
88-A	Pressure Microphone (51-15483)	45.00
74-B	Junior Velocity	26.50

Western Electric

633-A	Salt Shaker (51-15502)	47.52
639-A	Cardioid, 3 positions (51-15501)	98.37
639-B	Cardioid, 6 positions (51-15487)	112.80
9-A	Swivel for 633-A (51-15503)	3.87
8-B	Baffle for 633-A	6.51
442A	Jack for 639 A or B Mikes (76-15039)	8.10
712A	Adaptor for 639 A or B Mikes (51-16596)	3.00
713A	Adaptor for 639 A or B Mikes (51-16595)	2.50
11 A	Suspension Mounting for 639 A or B (51-16597)	16.85

Electro Voice

635	Dynamic, finished in Raytheon Brown (51-16592)	36.00
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MICROPHONE PLUGS AND CONNECTORS

P-3-CG11S	Plug, female, 3 contact (Cannon) (79-15050)	4.50
P-3-35	Receptacle, wall type, 3 contact (Cannon)(81-15048)	5.25
P-3-CG12S	Plug, male, 3 contact (Cannon) (79-15049)	2.50
7572	Plug, male, 3 contact (Hubbell) (79-15055)	.75
7555	Plug, female, 3 contact (Hubbell) (24-15613)	1.20
7582	Receptacle, female, wall type (Hubbell) (81-15073)	1.30
7419	Plate, wall, for 7582 receptacle (Hubbell) (24-15612)	1.63

XL-3-12	Plug, male, 3 contact (Cannon) miniature type (79-15084)	1.20
XL-3-11	Plug, female, 3 contact (Cannon) miniature type (79-15083)	1.25
XL-3-13	Receptacle, female, 3 contact, (Cannon), miniature type for wall or chassis mounting	1.25

MICROPHONE STANDS

BS-35	Boom Stand (Atlas Sound Corp.) (51-16627)	33.00
EF-161	Stand, floor type, 44" to 68" wt. 25 lbs. all chromium (Eastern Mike Stand Co.) (51-15499)	27.50
MS-24	Stand, floor type, 42" to 72" wt. 24 lbs; grey and chromium base (Atlas Sound Corp.) (51-15500)	11.70
ED-15	Stand, table type, Grey Wrinkle Finish (Eastern Mike Stand Co.) (51-16631)	2.55
425	Stand, floor, Electro-Voice tripod, collapsible base, satin chromium finish (51-16591)	14.50
423-A6	Stand, table type, Electro-Voice, in chrome, 6" high (51-16589)	1.30

WIRE AND CABLE

8422	Cable, rubber covered, shielded, two conductor # 20 stranded for external use, per foot (73-15195)	.065
8432	Cable, shielded, two conductor #20 stranded for wiring microphone lines between walls, etc...per foot (73-15196)	.045
10BC	#10 bare copper, soft drawn or medium hard draw wire, approximately 31 lbs. per 1,000 feet--per 100 lbs. (73-15193)	33.75
1/0 LC	Stranded #1/0, Lead covered 600 volt insulation - per foot (73-15112)	0.48
6 LC	Stranded #6, Lead covered 13 KV insulation - per foot (73-15113)	0.61
8 LC	Stranded #8, Lead covered, 600 volt insulation - per foot (73-15121)	0.16
1-14 LC	Single Conductor #14, Lead covered, 600 volt insulation per foot (73-15114)	0.11
2-14 LC	Copper lead covered #14 two conductor...per foot (73-15191)	.09
	3" Copper strap, approximately .425 lbs. per foot per lb.	0.395

RELAYS and ON AIR LIGHTS

235-L-1	Relay, "On the Air" for use with RC-11 Studio Console (71-15376)	4.00
BEC-1	Lights "ON AIR", Flush mounting signs for studio warning (81-15074)	12.00
M1-11706-1	"ON AIR" lights, RCA, wall mounting (81-15075)	14.50

Sample Prices of RAYTHEON PHASING EQUIPMENT

All Are Subject to Variance Due to Differences of Requirements

DIRECTIONAL NIGHT ONLY
SAME POWER

POWER	TWO TOWER ARRAY	THREE TOWER ARRAY	FOUR TOWER ARRAY	FIVE TOWER ARRAY	SIX TOWER ARRAY
1 KW	\$3000.	\$3600.	\$4400.	\$5200.	\$5900.
5 KW	\$4500.	\$5286.	\$6100.	\$6725.	\$7325.
10 KW	\$5800.	\$6500.	\$7500.	\$8800.	\$9400.

DIRECTIONAL FULL TIME
SAME PATTERN DAY AND NIGHT

1 KW	\$2850.	\$3500.	\$4250.	\$5030.	\$5700.
5 KW	\$4350.	\$5100.	\$5900.	\$6500.	\$7025.
10 KW	\$5600.	\$6280.	\$7200.	\$7370.	\$7900.

DIRECTIONAL FULL TIME
DIFFERENT PATTERNS DAY & NIGHT
SAME POWER

POWER	2 TOWERS D 3 TOWERS N	2 TOWERS D 4 TOWERS N	2 TOWERS D 6 TOWERS N	3 TOWERS D 3 TOWERS N	3 TOWER D 4 TOWER N
1 KW	\$4799.	\$5600.		\$5300.	\$6100.
5 KW				\$7100.	
10 KW					

TYPICAL PHASING EQUIPMENT COSTS

Day/Night	Tower Array	Average Cost	Day/Night	Tower Array	Average Cost
1 KW / 500W	1 Tower 3 Towers	3,411.00	5KW 1KW	2 Towers 3 Towers	7,531.00
5 KW 1KW	1 Tower 2 Towers	3,591.00	5 KW 1KW	2 Towers 5 Towers	8,727.00
5KW 1KW	1 Tower 3 Towers	3,886.00	10 KW 5 KW	4 Towers 6 Towers	12,655.00

Prices shown above are average only - use for estimates. Subject to variance due to differences in requirements.

I N F O R M A T I O N

All equipment prices are subject to change without notice. Prices on Broadcast Equipment manufactured by Raytheon become firm on acceptance of the order, accompanied by one third down payment, at Waltham, Massachusetts.

Prices on Broadcast Equipment manufactured by Raytheon will be held firm for a period of six months, when an order contingent upon the granting of a construction permit by the Federal Communications Commission is accepted at Waltham, Massachusetts. The Raytheon Manufacturing Company distributes a full line of Broadcast Equipment and Accessories, to meet all needs of a broadcast station. Prices on items not manufactured by Raytheon are subject to change after acceptance of firm order. These items may be deleted from contract if any such price changes are not acceptable to the purchaser.



It is requested that your purchase orders specify the method of transportation desired; otherwise method of shipment is at Raytheon's discretion.

No Federal, State or local sales or excise taxes are included in any of the prices. The purchaser shall pay all taxes now or hereafter imposed upon or with respect to the merchandise sold, and such taxes ordinarily shall be billed as a separate item, except where it is required by law that they be included in the price.

Our prices are f.o.b. Waltham, Massachusetts, except for certain items not manufactured by Raytheon which may be drop shipped from the vendor; deliveries on such items normally will be f.o.b. plant of the vendor.

Sale of any product is governed by our standard terms and condition of sale with

LOCATION OF
RAYTHEON BROADCAST
TRANSMITTERS
in the
UNITED STATES
as of February 10, 1943

For size, type and exact location
see reference list and individual
maps SF-B-450 A to F

