

**Melbourne's Wholesale House . . .**

# **RADIO PARTS PTY. LTD.**



## **CATALOGUE**

**Radio and Electrical Parts  
And Appliances**

**Reg. Office: 562 SPENCER ST., MELBOURNE**

**Telephone FY 1251 : P.O. Box No. 124, North Melbourne**  
(9 Lines)

**City Depot: 157 Elizabeth Street, Melbourne. MU 1967, MU 2699**

A CATALOGUE OF GOOD SERVICE  
presented by

# RADIO PARTS PTY. LTD.

*Your satisfaction, as a customer, is our guarantee of progress with mutually profitable relations. The well-being of your business is therefore very much our business!*

*It is with pleasure that we present this Catalogue of our Radio, Television and Electrical Spare Parts equipment and Services. It is our earnest desire that our high standard of enthusiastic and conscientious service will help you give even better service to your customers.*

## YOUR DIRECTORY

HEAD OFFICE: 562 Spencer Street, Melbourne.

P.O. Box 124, North Melbourne. Telephone: FY 1251 (7 lines), FY 2764. Telegrams: "SWANRAD".

CITY DEPOT: 157 Elizabeth Street, Melbourne. Telephone: MU 2699, MU 1967.

### Please Ring:

<b>Spencer Street</b> <b>FY 1251</b> <b>(7 lines)</b> <b>FY 2764</b>	}	Management	Allen Swann	Governing Director
			Eric Gogoll	Secretary
			Charles Thomson	Purchasing Officer
			Jim Martin	Sales Manager
			Russ Mayo	Accountant
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			Darryl Longmuir	
		Bert Smith	Despatch and Repairs Prices, Catalogue Information	
		John Burke		
<b>Elizabeth Street</b> <b>MU 1967</b> <b>MU 2699</b>	}		Don Homewood	Counter Sales Ring MU 1967, MU 2699
			John Reid	
			Alex. Donald	

General Tax Rates at the time of publication are listed alongside each main heading throughout the Catalogue.

Prices are subject to change without notice.

Trade Prices are subject to Sales Tax.

Retail Prices include Tax.

### FREE CAR PARK

Customers are cordially invited to use our Car Park at the rear of the building.  
Entrance is from Spencer Street.

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## AMPLIFIERS

### GUITAR AMPLIFIERS (12½%)

Goldentone	Trade Each			Retail Each		
5 Watts .....	25	0	6	33	10	0
10 Watts, Tremolo .....	33	11	7	57	0	0
17 Watts, Tremolo .....	44	14	6	75	10	0



### HI-FI AMPLIFIERS (25%)

Chapman	Each			Each		
305, Main Amp., with Control Unit .....	63	0	0	94	10	0
<b>Leak</b>						
TL20, Stereo Power Amplifier	56	0	0	88	12	0
Point One Stereo Pre-Amp. ....	38	10	0	61	0	0
<b>Mullard</b>						
2/2 Stereo, 3 Watts per channel; for Crystal Cartridges	24	0	0	40	0	0
<b>National</b>						
Stereo, 10 Watts per channel, C/W AM-FM D.W. Tuner; suits all Cartridges	—		110	5	0	
<b>Nytone</b>						
Stereo 100, 3 Watts per channel; for Crystal Cartridges	19	14	8	32	17	6
<b>Pamphonic</b>						
Stereo Amplifier, 3001 .....	66	13	6	98	3	0

### AMPLIFIER KIT

Mullard	Each			Each		
Stereo 44, Complete Kit of Parts, Ready for Assembly .....	£29	10	0	(inc. tax)		

### AMPLIFIER ACCESSORY (12½%)

Indicator Stereo Level	Each			Each		
Tech, Centre "Good" .....	£3	1	4	£5	4	6

## AMPLIFIERS (Continued)

### P.A. AMPLIFIERS

Tax Rate—	Trade Each	Retail Each
Used with P.U. or Tuner — 25%		
Used with Mike only (P.A.) — 12½%		

### A.W.A.

PA774, 8 Watts .....	£25	11	4	£35	10	0
PA872, 20 Watts .....	32	11	6	45	16	1

### Philips

976/S302, 8 Watts, A.C. ....	25	1	0	36	17	6
987/S323, 20 Watts, A.C./D.C. ....	50	5	0	74	12	8
928, Handy Miniature P.A. Unit — Portable .....	29	10	7	39	16	11

N.B.: Other Sizes and Types of Amplifiers available on request.

## ANALYSERS

## ARMATURE TESTERS

(See "Green" Section).

## ATTENUATORS (25%)

	Each	Each
Cunningham NTE314, Channel 2 ...	8/6	14/6
Q Plus, Channel 2 .....	7/6	12/3
Q Plus, AA6, 6DB } All	12/8	20/6
Q Plus, AA10, 10DB } Channels	12/8	20/6
Q Plus, AA20, 20DB }	12/8	20/6

## AUDIO OSCILLATORS

(See "Green" Section)

## BALUN TRANSFORMERS (25%)

Austenna, AB-1 .....	33/6	56/6
Q Plus, SC75, 75 to 300 Ohms. ...	23/4	37/6

## BARRIER STRIPS

(See "Green" Section)

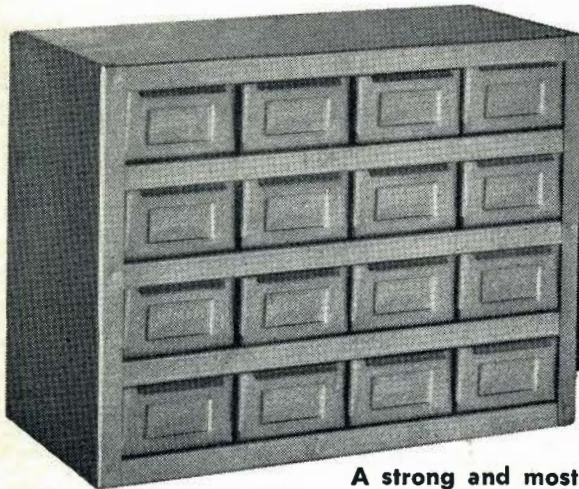
## BATTERIES

### EVEREADY

### Transistor Radio Energizers (12½%)

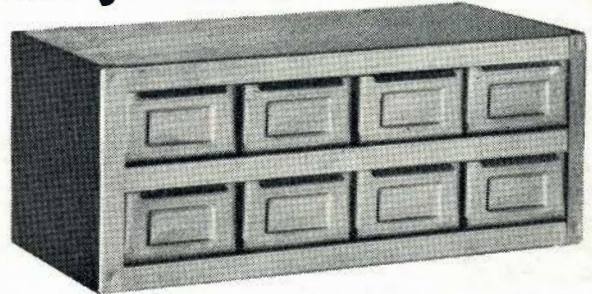
	Trade Dozen	Retail Each
1015, 1½ Volts .....	11/2	1/5
	Each	Each
216, 9 Volts .....	5/7	8/6
276P, 9 Volts .....	7/5	11/4
286, 9 Volts .....	11/8	17/9
2162, 9 Volts .....	7/3	11/—
2362, 9 Volts .....	5/1	7/9
2364, 9 Volts .....	9/1	13/10

# HANDY CABINETS by KINGFISHER



A strong and most useful cabinet for holding small parts or tools, ideal for mechanic, engineer, garage, store-keeper or home workshop. Provision is made for stacking and all units will interstack.

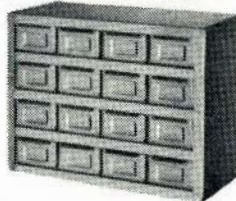
## THE JUNIOR MODELS



Available as illustrated ... JUNIOR 1 with 2 long drawers as Model B ... JUNIOR 2 with 4 small and 1 long drawer ... JUNIOR 3

### MODEL A

Cabinet 12" x 9" x 5½". 16 drawers 5½" x 2⅝" x 1½".



### MODEL B

Cabinet 12" x 9" x 5½". 4 drawers 11" x 5½" x 1½".



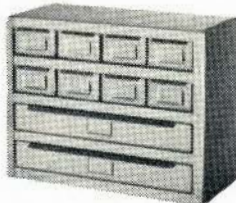
### MODEL C

Cabinet 12" x 9" x 5½". 4 drawers 5½" x 5½" x 3⅜".



### MODEL D

Cabinet 12" x 9" x 5½". 8 drawers 5½" x 2⅝" x 1½". 2 drawers 11" x 5½" x 1½".



### MODEL E

Cabinet 12" x 9" x 5½". 8 drawers 5½" x 2⅝" x 1½". 2 drawers 5½" x 5½" x 3⅜".



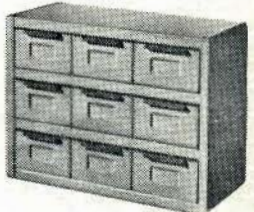
### MODEL F

Cabinet 12" x 9" x 5½". 4 drawers 5½" x 2⅝" x 1½". 1 drawer 11" x 5½" x 1½". 2 drawers 5½" x 5½" x 3⅜".



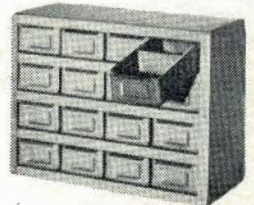
### MODEL G

Cabinet 12" x 9" x 5½". 9 drawers 5½" x 3½" x 2⅝".



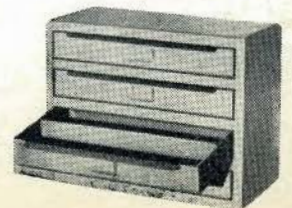
### MODEL H

As Model A — but fitted with Divisions.



### MODEL J

As Model B — but fitted with Divisions.



A craftsman built unit attractively painted in pearly grey baked enamel.

**Battery Charger Equipment (12½%)**

Charger Bulbs — Lectra	Trade Each	Retail Each
No. L48, 6 Amps., 60 Volts .....	46/8	70/-
No. L49, 6 Amps., 90 Volts .....	46/8	70/-
Transformer, Ironcore, T1/352, 240v., 12v., 6v., 3a. ....	46/-	69/6
Resistor, 1 ohm., 30w. ....	10/5	16/8
Dry Rectifier, LT53, 12v., 3a. ....	46/8	70/-
14VIP2F, Rectifier, Nilsen, BC612	37/9	56/8
MU65, Rectifier, Westinghouse, Auto. ....	79/9	129/-
Switch, Nilsen, BC612 .....	8/6	12/9

**BATTERY TESTERS**

(See "Green" Section).

**BOLTS & NUTS**  
**BOLTS, 'J', 'U'**  
**BOLTS, EYE** } See under "Hardware"

**BRIDGES**

(See "Green" Section).

**CABINETS**

**Accessory (Exempt)**

Kingfisher	Each	Each
Model A, 16 Drawers .....	48/-	64/-
Model B, 4 Drawers .....	48/-	64/-
Model C, 4 Drawers .....	48/-	64/-
Model D, 10 Drawers .....	48/-	64/-
Model E, 10 Drawers .....	48/-	64/-
Model F, 7 Drawers .....	48/-	64/-
Model G, Large .....	48/-	64/-
Model H, 16 Drawers, c/w Divisions .....	52/8	70/-
Model J, 4 Drawers, c/w Divisions	52/8	70/-

**Rota**

CD1, 16 Drawers, Large .....	48/3	62/6
CD2, as above, with Divisions .....	55/-	71/4
MCD1, 16 Drawers, Giant .....	168/-	224/-

**Amplifier (25%)**

**Clow**

	Each	Each
Small (Chassis Plate, 9" x 6") .....	56/-	84/-
Medium (Chassis Plate, 14½" x 7½") .....	64/-	96/-
Large (Chassis Plate, 18" x 9") .....	80/-	120/-

**AMPLIFIER CABINETS (Continued)**

G.R.A.	Trade Each	Retail Each
General Purpose Amplifier Case		
No. 1, 3½" x 13½" x 2½" depth, with 3½" x 16" Front Plate — 4¾" clear under Perforated Cover	119/6	164/3

**Trimax**

M50, 25 watt size, Punched, Chassis Plate, 15" x 7½" .....	63/4	99/6
M356, 10 watt size, Chassis Plate, 10¾" x 7¼" (Blank) .....	56/8	92/6

**Gramo (25%)**

**G. & D.**

**Two Tone — Leatherette**

Player—Portable, Uncut .....	94/-	152/-
Changer—Portable, 2 Tone Leatherette .....	102/8	179/-
No. 4, Player Platform, suits any Motor .....	60/-	100/-

**Instrument Cases (12½%)**

Ironcore	Each	Each
Radius Front, 11" x 7" x 5½" (Panel 9" x 7") .....	33/4	50/-
Sloping Front, 11" x 7" x 5½" (Panel 9" x 7") .....	26/-	39/-

**Metal Boxes (12½%)**

Ironcore		
5" x 5" x 4" .....	13/4	20/-
7" x 6" x 4½" .....	15/4	23/-
9" x 7" x 5" .....	18/-	27/-

**Speaker Cabinets (25%)**

**Aegis**

Suit SP6 Extension Speaker .....	46/8	91/6
Suit SP8 Extension Speaker .....	46/8	91/6

**Gibbons and Denham, Two Tone, Leatherette**

6" .....	34/9	58/2
8" .....	38/6	62/9
12" .....	51/6	86/3

**Metal Speaker Cases (25%)**

3", Round .....	11/3	18/11
5", Vertical Front .....	20/-	33/6
6", Vertical Front .....	20/8	34/6
8", Vertical Front .....	23/4	39/-



**CHASSIS (25%)**

**BLANKS**

		Trade Each	Retail Each
Type No. 1	5" x 3" x 2"	5/8	9/6
Type No. 2	6" x 4" x 2"	6/4	10/6
Type No. 3	8" x 5" x 2½"	7/8	13/3
Type No. 4	10" x 6" x 2½"	9/4	16/-
Type No. 5	11" x 8" x 2½"	11/4	19/-
Type No. 6	13" x 7" x 2½"	11/4	19/-
Type No. 7	13" x 10" x 2½"	13/4	23/-
Type No. 8	17" x 8" x 3"	16/8	28/-
Type No. 9	17" x 10" x 3"	18/8	32/-
Type No. 10	17" x 12" x 3"	20/-	34/-

**CHASSIS KITS (25%)**

**A. & R.**

Set	Each	Each	Each	Each	Each
Kit for Mullard "2-Stereo-2" Amplifier—					
Chassis Kit	£3	1	4	£4	17
Kit for Mullard "3-3" Amplifier—					
Chassis Kit	1	13	4	2	12
Kit for Mullard "5-Stereo-7" Amplifier—					
Unit "A", Amplifier Kit with Instruction Leaflet	8	19	4	13	9
Kit for Mullard "5-10" Amplifier—					
Pre-Amp. Kit	2	19	4	4	14
Main Amp. Kit	2	8	8	3	17
Kit for Mullard "5-20" Amplifier—					
Pre-Amp. Kit	4	1	4	6	8
Main Amp. Kit	3	13	8	5	16
Kit for R.T.V. & H. New 110° 21" T.V. Receivers—					
Chassis and E.H.T. Cage Assembly (complete Unit only)	3	14	8	5	18

**CHIMNEY CORNER GUARDS (25%)**

	Dozen	Each
Galvanised	8/-	1/2

**CHOKES (25%)**

**FILTER**

**A. & R.**

	Each	Each
Z3040, 100 ma., 12H., 290 Ohms.	23/-	35/1
Z3041, 125 ma., 12H., 275 Ohms.	34/8	52/10

**CHOKES (Continued)**

**A. & R. (Continued)**

	Trade Each	Retail Each
Z3042, 150 ma., 12H., 205 Ohms.	44/4	67/7
Z3043, 175 ma., 12H., 185 Ohms.	48/4	73/8
Z3044, 200 ma., 12H., 165 Ohms.	52/4	79/10
Z3045, 250 ma., 10H., 130 Ohms.	62/4	95/1
Z3046, 300 ma., 10H., 90 Ohms.	85/4	130/2
Z3047, 250-50 ma., 5-15H., 70 Ohms.	62/4	95/1

**Ironcore**

	Trade Each	Retail Each
C8/1, 60 ma., 14H.	15/-	25/6
C5/1, 80 ma., 20H.	28/-	44/9
C3/1, 100 ma., 20 H.	38/-	60/9
C1/3, 125 ma., 20H.	48/-	76/9
C1/1, 150 ma., 20H.	60/-	96/-
C6/1, 200 ma., 20H.	80/-	128/-
C5/5, 275 ma., 1H.	30/-	48/-

**R.C.S.**

	Trade Each	Retail Each
Type 60, 100 ma., 30H., 250 Ohms.	15/4	23/-

**Rola**

	Trade Each	Retail Each
CH22, 12/50, 50 ma., 12H., 540 Ohms.	13/-	20/6
CH16, 14/60, 60 ma., 14H., 550 Ohms.	16/1	25/3
CH18, 6/100, 100 ma., 6H., 210 Ohms.	14/10	23/3

**Choke (Filter) Windings**

	Trade Each	Retail Each
Bramco FC1, Suits Rola 12/50	8/-	13/4
FC2, Suits Rola 14/60	8/6	14/-

**R.F. CHOKES**

	Trade Each	Retail Each
Q. Plus RFC1, Single Pi R.F., 2.5 MH	3/4	5/5
RFC2, 4 Pi R.F., 2.5 MH	5/4	8/8

**T.V. CHOKES**

	Trade Each	Retail Each
Ferrocart L154, Filament Choke	1/4	2/-
L155, Filament Choke	1/4	2/-
L156, Filament Choke	1/4	2/-
T110, Filter Choke	22/7	33/10

**Ironcore**

	Trade Each	Retail Each
C5/5, Filter Choke	30/-	48/-

**Q Plus**

	Trade Each	Retail Each
VPC2, Filament Choke, 2 μH	1/-	1/8
VPC4, Filament Choke, 4 μH	1/4	2/2
VPC6, Filament Choke, 6 μH	2/8	4/3
VPC15—560 μH, Video Peaking Choke with Pigtail Leads; in Preferred Values Only	2/8	4/3

(See "Green" Section)

# 14 Clips—Coils

## T.V. CHOKES (25%) (Continued)

Rola	Trade Each	Retail Each
TV301, Filter Choke	27/9	42/6
TV302, Filter Choke	27/9	42/6
TV306, Filter Choke	18/3	28/-

## VIBRATOR CHOKES (25%)

### Ironcore

	Each	Each
C4/3, Low Tension	18/-	29/6

### R.C.S.

Type No. 406, Low Tension, 3A (RF106)	4/10	7/2
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## CLAMPS (12½%)

	Dozen	Each
R.P., Brass, Wire Lashing	15/-	2/-
Skyline, PN230, ¼" Wirerope Clamp	10/11	1/5

## CLIPS

### Alligator (12½%)

	Each	Each
Bulgin CR30, Tag Grip	1/2	1/9
Hoelle H141, with Screw	8d.	1/-
Hoelle, H147A, with Sleeve	6d.	9d.
Hoelle, H142, 3-Way Test Clip	10d.	1/2
Sato, 3141, Insulated	1/3	2/-

### Battery (12½%)

	Dozen	Dozen
Hoelle, H145, 10 Amp.	4/6	6/8
Hoelle, H143, 25 Amp.	6/-	9/-
Hoelle, H144, 50 Amp.	9/7	14/8

### Earth (Exempt)

Clipsal 200, Universal, Brass	3/8	4/7
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### E.H.T. Plate Caps (25%)

McMurdo, TC3A, Flameproof	9/-	15/-
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### Grid Plate, Etc. (25%)

	Dozen	Each
Screen Grid, Small	9d.	2d.
Screen Grid, Large	9d.	2d.
Insulated Plate Cap — Aegis	3/9	5/11

### Ribbon Clips (12½%)

	Box 100	Each
Skyline, PN107, T.V. Ribbon Clip	8/-	2d.

### Strap Clips, Pin Clips—Hoelle

(See "Hardware" Section).

### Coach Screws

(See under "Hardware").

## COILS (25%)

### Buron

	Trade Each	Retail Each
No. 1, Crystal Set Coil	4/7	7/10
No. 2, Crystal Set Coil, Tapped	4/9	8/1
Reinartz	7/6	12/9

### Kingsley

KC1, Std. Aerial B/C	14/8	23/10
KC2, Std. RF B/C	13/4	21/8
KC3, Std. Osc. 6J8GA	13/4	21/8
KC4, Std. Osc. 6BE6	13/4	21/8
KC5, Std. Osc. ECH35, X61M, 1R5	13/4	21/8
KC6, Std. Osc. 6AN7	13/4	21/8
KC7, Std. Osc. 6A8G, 1A7GT	13/4	21/8
KC9, Std. Reinartz	14/8	23/10
KC10, Std. RF w/Reaction	14/8	23/10
KC11, B.F.O., 455 KC	14/8	23/10
KC12, Wave Trap, 455 KC	14/8	23/10
KC14, Min. Unshielded Aerial, High Gain, Top Coupling	14/8	23/10
KC19, Mid. Aerial	13/4	21/8
KC20, Mid. RF	13/4	21/8
KC21, Mid. Osc. ECH33, X61M, 1R5	13/4	21/8
KC22, Mid. Osc. 6A8G, 1A7GT, 1C6	13/4	21/8
KC23, Mid. Osc. 6J8GA	13/4	21/8
KC24, Mid. Osc. 6BE6	13/4	21/8
KC25, Mid. Osc. 6AN7	13/4	21/8
KC32, Unshielded Aerial	9/-	14/5
KC33, Unshielded Oscillator	9/-	14/5

### Kingsley Intermediate Transformers

K1F1, 455KC, No. 1 Autodyne	18/-	29/3
K1F2, 175KC, No. 1 Autodyne	18/-	29/3
K1F3 & 4, 455KC, No. 1 & 2 High Gain	18/-	29/3
K1F5 & 6, 455KC, No. 1 & 2 Std. Gain	18/-	29/3
K1F7 & 8, 455KC, No. 1 & 2 Low Gain	18/-	29/3
K1F9 & 10, 1900KC, No. 1 & 2	18/-	29/3
K1F11 & 12, Miniature, 455KC, Std. Gain (1T4, 6U7, etc.)	16/8	27/-
K1F13 & 14, 455KC, No. 1 & 2 Midget, Med. Gain, 6BA6, 6N8	16/8	27/-

### Mitsumi

#### Coils, I.F. Transformers for Transistor Sets—

OL261S, Oscillator Coil	5/2	8/9
A3, I.F. Kit (3 to Kit) Set	21/-	35/-

### Philips

4262, IF Transformers	12/-	18/6
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## CONDENSERS (25%)

### BLOCK

#### DUCON-U.C.C.

		Trade Each	Retail Each
0.5	200	11/11	18/10
1	200	14/1	22/6
2	200	15/1	23/4
4	200	19/8	31/2
0.5	400	12/11	20/5
1	400	15/4	24/3
2	400	17/5	27/6
4	400	24/7	39/-
8	400	43/1	68/3
0.5	600	14/5	22/9
1	600	18/5	29/1
2	600	20/7	32/8
4	600	29/1	46/1
0.5	1000	18/11	29/11
1	1000	23/7	37/5
2	1000	31/7	50/1
4	1000	51/6	81/7
0.5	1500	27/6	43/7
1	1500	36/11	58/5
2	1500	48/5	76/7
4	1500	73/-	115/7

### CERAMICS

#### Beads

U.C.C.	Dozen	Each
SPG1, 1 pf.—470 pf.	11/6	1/7

#### Discs

##### Simplex

Style CDS-NK	Each	Each
N750, 3.3 pf.—330 pf.	1/3	2/2

##### Style CDS - HI-K

K2000, 73 pf.—3,100 pf.	1/4	2/3
K2000, 3,101 pf.—10,000 pf.	1/6	2/6
K6000, 470 pf.—7,600 pf.	1/4	2/3
K6,000, 7,601 pf.—20,000 pf.	1/6	2/6

##### Style CDS-F

NPO, 1 pf.—110 pf.	1/3	2/2
N750, 3.3 pf.—330 pf.	1/3	2/2

N.B.: Standard Tolerance is  $\pm 10\%$ .  
Closer Tolerances to Order.

##### Style CDT, 150v., DCW (Transistor Application)

.01 mfd.	1/10	3/-
.05 mfd.	2/-	3/4
.1 mfd.	2/3	3/9

##### U.C.C. SCD Type

4.7 pf.—47 pf.	1/5	2/5
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## CERAMIC CONDENSERS (Continued)

### U.C.C. (500V., D.C.W.)

	Trade Each	Retail Each
CC150, 470—1000 pf.	1/3	2/2
CC151, .0015—.0022 mfd.	1/3	2/2
CC152, .0033 mfd.	1/4	2/4
CC153, .0047, .005 mfd.	1/4	2/4
CC154, .006, 01 mfd.	1/5	2/7

## HIGH VOLTAGE CONDENSERS (25%)

### Ceramic

#### Simplex Discs or Tubes: 1000V.—5000V.

Available as under—	Each	Each
N750, 1—300 pf.	3/9	6/5
HI-K, 301—2500 pf.	3/9	6/5
Tubes, 1—1000 pf.	3/9	6/5
Discs, 1—2500 pf.	3/9	6/5

#### Ducon CVH 20,000 Volts

20 pf.	10/9	18/-
500 pf.	10/9	18/-
1000 pf.	10/9	18/-

## FEED THRU' (25%)

### Simplex

Type	Capacity	Each	Each
CAC	Up to 1,000 pf.	1/7	2/8
CAC100	Up to 2,200 pf.	1/7	2/8
CAC102	Up to 1,000 pf.	1/7	2/8
CAD	Up to 10,000 pf.	2/3	4/2

### U.C.C.

#### CTH 315 LT

	Each	Each
1000 pf.	2/-	3/2
2200 pf.	2/-	3/2
3300 pf.	2/-	3/2
4700 pf.	2/-	3/2

#### CTH 422 LT

6800 pf.	2/-	3/2
10,000 pf.	2/-	3/2

## TUBULAR (25%)

### Simplex, C.T.R.

#### Material N750

Capacity	Each	Each
1—5 pf.	1/4	2/3
6—110 pf.	10d.	1/5
111—250 pf.	1/1	1/10
251—350 pf.	1/6	2/6
351—525 pf.	2/-	3/4
526—850 pf.	2/3	3/9
851—1100 pf.	2/9	4/6

#### Material HI-K, K6000

470—3000 pf.	1/-	1/9
3001—6800 pf.	1/2	2/-
6801—10,000 pf.	1/6	2/6

(Continued)

**CONDENSERS (Continued)**  
**CERAMICS - TUBULAR - (Continued)**

**U.C.C. Type S.C.T., N750**

	Trade Dozen	Retail Each
1—25 pf. ....	10/-	1/4
26—55 pf. ....	10/-	1/4
56—110 pf. ....	10/-	1/4
111—250 pf. ....	13/-	1/10
251—360 pf. ....	17/-	2/4
361—510 pf. ....	22/-	3/1
511—850 pf. ....	27/-	3/10
851—1000pf. ....	32/-	4/6

**U.C.C. (Wire Ends) HI-K, 500 V.D.C.W.**

	Trade Dozen	Retail Each
CTH310, 680—2200 pf. ....	10/6	1/6
CTH315, 3300—4700 pf. ....	13/6	2/1
CTH422—6800 pf. ....	13/6	2/1
CTH422—10,000 pf. ....	16/6	2/5
2CTH310/W, 2 x 500 pf. ....	20/-	2/8
2CTH310/W, 2 x 1000 pf. ....	20/-	2/8
2CTH315/W, 2 x 1500 pf. ....	20/-	2/8
2CTH422/W, 2 x 2200 pf. ....	21/-	2/10
3CTH315/W, 3 x 500 pf. ....	28/-	4/-
3CTH315/W, 3 x 1000 pf. ....	28/-	4/-
3CTH422/W, 3 x 2200 pf. ....	30/-	4/3

**U.C.C. (Screw Type) HI-K, 500 V.D.C.W.**

	Trade Dozen	Retail Each
CTH310/S, 500, 1000 pf. ....	22/-	3/-
2CTH315/S, 2 x 500 pf. ....	32/-	4/6
2CTH315/S, 2 x 1000 pf. ....	32/-	4/6
2CTH315/S, 2 x 1500 pf. ....	32/-	4/6
2CTH422/S, 2 x 2200 pf. ....	36/-	5/3
3CTH315/S, 3 x 500 pf. ....	36/-	5/3
3CTH315/S, 3 x 1000pf. ....	36/-	5/3

**ELECTROLYTICS (25%)**

Types: ET, EC, EG (Ducon, U.C.C.)

Capacity MFD	Wkg. Volts	Peak Volts	Each	Each
2000	2.5	4	5/6	8/11
100	10	12	2/8	4/4
500	6	8	5/1	8/3
500	10	12	6/2	10/-
500	12	15	6/2	10/-
500	16	20	6/2	10/-
2	25	40	2/8	4/4
5	25	40	2/8	4/4
10	25	40	2/10	4/7
25	25	40	3/-	4/10
50	25	40	3/8	6/-
100	25	40	4/3	7/-
200	25	40	5/-	8/2
500	25	40	6/8	10/11
12	25	50	3/2	5/2
50	50	65	4/1	6/8
100	50	65	5/4	8/9
200	50	65	6/9	11/-

**ELECTROLYTICS (Continued)**

Capacity MFD	Wkg. Volts	Peak Volts	Trade Each	Retail Each
50	125	150	5/5	8/10
40	150	200	5/1	8/3
2	300	350	3/8	5/11
4	300	350	3/9	6/1
8	300	350	3/9	6/1
16	300	350	4/4	7/1
24	300	350	4/10	7/10
32	300	350	5/1	8/3
50	275	350	6/8	10/11
100	275	350	13/9	20/10
100	300	350	13/9	20/10
1	350	400	3/-	4/10
4	450	525	3/11	6/5
8	450	525	4/-	6/6
16	450	525	5/1	8/3
32	450	525	8/-	13/1
50	450	525	8/9	14/3
10	475	550	5/5	9/1
8	500	600	4/7	7/6
16	500	600	6/1	9/11
24	500	600	7/4	11/11
32	500	600	9/1	14/10

Types: EE, EO.

Add 6d. to above Trade Prices, and 9d. to above Retail Prices.

**DUCON**

Type ES, Sub-Miniature

Capacity MFD	Wkg. Volts	Peak Volts	Trade Each	Retail Each
2	3	4	2/5	4/-
5	3	4	2/5	4/-
10	3	4	2/5	4/-
25	3	4	2/5	4/-
50	3	4	2/7	4/3
75	3	4	2/10	4/7
100	3	4	3/4	5/6
150	3	4	3/4	5/6
2	6	8	2/5	4/-
5	6	8	2/5	4/-
10	6	8	2/5	4/-
25	6	8	2/7	4/3
50	6	8	2/7	4/3
75	6	8	2/10	4/7
100	6	8	3/4	5/6
2	12	15	2/5	4/-
5	12	15	2/5	4/-
10	12	15	2/5	4/-
15	12	15	2/10	4/7
25	12	15	2/10	4/7
50	12	15	2/10	4/7
75	12	15	2/10	4/7
100	12	15	3/4	5/6

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## CONDENSERS (Continued)

### Type ES Sub-Miniature (Continued)

Capacity MFD	Work. Volts	Trade Each	Retail Each	
2	15	20	2/8	4/5
5	15	20	2/8	4/5
10	15	20	2/8	4/5
15	15	20	2/10	4/7
25	15	20	2/10	4/7
50	15	20	3/4	5/6
70	15	20	3/4	5/6
2	25	30	2/8	4/5
5	25	30	2/8	4/5
10	25	30	2/8	4/5
15	25	30	3/-	4/10
25	25	30	3/-	4/10
1	50	60	2/8	4/5
2	50	60	2/10	4/7
5	50	60	2/10	4/7
10	50	60	2/10	4/7
15	50	60	3/4	5/6
1	75	85	2/10	4/7
2	75	85	2/10	4/7
5	75	85	3/-	4/10
10	75	85	3/4	5/6

## METAL CAN ELECTROLYTICS (25%)

### DUCON

#### Single

Type. No.	Capacity	Voltage	Each	Each
ECS432, 100 mfd., 450 V.P.			15/3	25/-
ECS436T, 90 mfd., 525 V.P.			13/6	22/-
ECS439, 50 mfd., 400 V.P.			7/9	12/8
ECS449, 70 mfd., 600 V.P.			12/6	20/9
ECS457, 120 mfd., 475 V.P.			17/4	28/4
EMG1021/S, 100 mfd., 275 V.P.			8/11	14/7
EMG1036, 100 mfd., 400 V.P.			12/2	19/10
EMG1275, 100 mfd., 350 V.P.			11/9	18/11
EMG1562, 100 mfd., 450 V.W.			15/6	25/4
EMG2035, 200 mfd., 400 V.P.			16/4	26/9
EMG2036S, 200 mfd., 350 V.W., 400 V.P., insulated			18/10	30/8
EMG2275, 200 mfd., 350v.			17/4	28/4
EMG6435, 64 mfd., 400v.			11/4	18/6
Dubilier CT1218, 200 mfd., 400 V.P. (non-insulated)			14/8	25/-

## METAL CAN ELECTROLYTICS

### (Continued)

#### Dual

	Trade Each	Retail Each
EBD313T, 30/275v. + 10/65v.	7/4	11/11
ECD301, 24 + 24/350v.	8/11	14/7
ECD363, 32 + 32/400v.	9/5	15/5
ECD367, 50 + 50/400v.	12/10	21/-
ECD370, 50 + 50/350v.	12/4	20/3
ECD371, 50 + 50/525v.	18/7	30/7
ECD378, 60 + 100/400v.	22/7	37/-
ECD380, 40 + 80/300v.	13/6	22/-
ECD389T, 200 + 5/275v.	16/-	26/3
ECD403, 20 + 20/450v.	11/8	18/10
ECD404, 50 + 50/350 V.W., 400 V.P.	12/-	19/8
EDT6G, 16 + 16/525v.	9/6	15/5
EME202, 8 + 8/415v.	7/6	12/4
EMG3012, 200 + 100/300v.	27/2	44/5
EMG3256, 250 + 60/350v.	23/8	38/9
EMG3512, 100 + 200/400v.	30/9	50/5
EMG4135, 100 + 400/325v.	36/8	58/-
EMG4825, 80 + 40/350v.	13/8	22/4
EMG8275, 60 + 200/325v.	21/-	34/5
Dubilier CTE1653, 100 + 100/450v.	24/-	40/6

#### Triple

	Each	Each
EBT102, 16 + 8 + 8/525v.	11/11	19/6
EBT106, 70 + 50/200 + 225/12v.	15/1	24/8
EBT107T, 40/425v. + 60/275v. + 20/65v.	15/4	25/1
EBT109, 16 + 16 + 16/325v.	11/5	18/6
ECT125, 16 + 16/525v. + 25/40v.	11/6	18/10
ECT166, 50 + 40/200v. + 40/40v.	13/4	21/10
ECT187, 80/450v. + 10 + 10/400v.	19/4	31/7
ECT188, 40 + 30 + 30/450v.	20/4	33/4
ECT189T, 20 + 10/450v. + 50/65v.	12/9	20/10
ECT193, 30 + 20/200v. + 100/15v.	13/-	21/4
ECT196, 50 + 24/300v. + 100/40v.	13/10	22/8
ECT203, 32 + 32 + 8/325v.	12/2	19/10
ECT211T, 40/450v. + 40 + 20/400v.	17/10	29/2
ECT216, 40/425v. + 60/275v. + 20/65v.	15/4	25/1
ECT221T, 80 + 20 + 20/300/350v.	17/-	27/9
ECT222T, 80/300v. + 8/300v. + 25/40v.	13/5	21/11
EMG6421T, 64 + 200/250vw. + 10/200vw.	25/9	42/2
EMB3003, 40 + 30 + 30/400vw., 450vp. (U.C.C.)	18/5	30/6

# 18 Condensers

## CONDENSERS (Continued)

### Type ES Sub-Miniature (Continued)

Capacity MFD	Work. Volts	Trade Each	Retail Each	
2	15	20	2/8	4/5
5	15	20	2/8	4/5
10	15	20	2/8	4/5
15	15	20	2/10	4/7
25	15	20	2/10	4/7
50	15	20	3/4	5/6
70	15	20	3/4	5/6
2	25	30	2/8	4/5
5	25	30	2/8	4/5
10	25	30	2/8	4/5
15	25	30	3/-	4/10
25	25	30	3/-	4/10
1	50	60	2/8	4/5
2	50	60	2/10	4/7
5	50	60	2/10	4/7
10	50	60	2/10	4/7
15	50	60	3/4	5/6
1	75	85	2/10	4/7
2	75	85	2/10	4/7
5	75	85	3/-	4/10
10	75	85	3/4	5/6

## METAL CAN ELECTROLYTICS (25%)

### DUCON

#### Single

Type No.	Capacity	Voltage	Each	Each
ECS432	100 mfd.	450 V.P.	15/3	25/-
ECS436T	90 mfd.	525 V.P.	13/6	22/-
ECS439	50 mfd.	400 V.P.	7/9	12/8
ECS449	70 mfd.	600 V.P.	12/6	20/9
ECS457	120 mfd.	475 V.P.	17/4	28/4
EMG1021/S	100 mfd.	275 V.P.	8/11	14/7
EMG1036	100 mfd.	400 V.P.	12/2	19/10
EMG1275	100 mfd.	350 V.P.	11/9	18/11
EMG1562	100 mfd.	450 V.W.	15/6	25/4
EMG2035	200 mfd.	400 V.P.	16/4	26/9
EMG2036S	200 mfd.	350 V.W., 400 V.P., insulated	18/10	30/8
EMG2275	200 mfd.	350v.	17/4	28/4
EMG6435	64 mfd.	400v.	11/4	18/6
Dubilier CT1218	200 mfd.	400 V.P. (non-insulated)	14/8	25/-

## METAL CAN ELECTROLYTICS

### (Continued)

#### Dual

	Trade Each	Retail Each
EBD313T, 30/275v. + 10/65v.	7/4	11/11
ECD301, 24 + 24/350v.	8/11	14/7
ECD363, 32 + 32/400v.	9/5	15/5
ECD367, 50 + 50/400v.	12/10	21/-
ECD370, 50 + 50/350v.	12/4	20/3
ECD371, 50 + 50/525v.	18/7	30/7
ECD378, 60 + 100/400v.	22/7	37/-
ECD380, 40 + 80/300v.	13/6	22/-
ECD389T, 200 + 5/275v.	16/-	26/3
ECD403, 20 + 20/450v.	11/8	18/10
ECD404, 50 + 50/350 V.W., 400 V.P.	12/-	19/8
EDT6G, 16 + 16/525v.	9/6	15/5
EME202, 8 + 8/415v.	7/6	12/4
EMG3012, 200 + 100/300v.	27/2	44/5
EMG3256, 250 + 60/350v.	23/8	38/9
EMG3512, 100 + 200/400v.	30/9	50/5
EMG4135, 100 + 400/325v.	36/8	58/-
EMG4825, 80 + 40/350v.	13/8	22/4
EMG8275, 60 + 200/325v.	21/-	34/5
Dubilier CTE1653, 100 + 100/450v.	24/-	40/6

#### Triple

	Each	Each
EBT102, 16 + 8 + 8/525v.	11/11	19/6
EBT106, 70 + 50/200 + 225/12v.	15/1	24/8
EBT107T, 40/425v. + 60/275v. + 20/65v.	15/4	25/1
EBT109, 16 + 16 + 16/325v.	11/5	18/6
ECT125, 16 + 16/525v. + 25/40v.	11/6	18/10
ECT166, 50 + 40/200v. + 40/40v.	13/4	21/10
ECT187, 80/450v. + 10 + 10/400v.	19/4	31/7
ECT188, 40 + 30 + 30/450v.	20/4	33/4
ECT189T, 20 + 10/450v. + 50/65v.	12/9	20/10
ECT193, 30 + 20/200v. + 100/15v.	13/-	21/4
ECT196, 50 + 24/300v. + 100/40v.	13/10	22/8
ECT203, 32 + 32 + 8/325v.	12/2	19/10
ECT211T, 40/450v. + 40 + 20/400v.	17/10	29/2
ECT216, 40/425v. + 60/275v. + 20/65v.	15/4	25/1
ECT221T, 80 + 20 + 20/300/350v.	17/-	27/9
ECT222T, 80/300v. + 8/300v. + 25/40v.	13/5	21/11
EMG6421T, 64 + 200/250vw. + 10/200vw.	25/9	42/2
EMB3003, 40 + 30 + 30/400vw., 450vp. (U.C.C.)	18/5	30/6

**CONDENSERS (25%) (Continued)**

**METAL CAN ELECTROLYTICS (Continued)**

**Quadruple**

	Trade Each	Retail Each
ECQ240, 80 + 40 + 10 + 4/400v. ....	22/6	36/9
ECQ247T, 110 + 80/400 + 20 + 5/275 v. ....	31/7	51/8
ECQ251T, 5/525 + 70 + 25 + 5/475v. ....	21/5	35/-
ECQ254, 80 + 20 + 10/400v. + 30/65v. ....	21/9	35/6
ECQ257-9, 80 + 80 + 10 + 4/400v. ....	25/9	42/2
EMB4008, 80 + 80 + 10 + 4/400v. (U.C.C.) ....	25/9	42/2

**METALMITE (25%)**

**U.C.C. (In Aluminium Tubes)**

Capacity Mfd.	Volts DC	Each	Each
.005	350	3/7	5/3
.01	350	3/7	5/3
.02	350	3/8	5/5
.05	350	3/10	6/-
.001, .002	500	3/8	5/5
.02	500	4/1	6/1
.001, .002	1000	4/1	6/1

**Miniature Metalmite**

.005	200	4/1	6/1
.001	350	3/10	6/-
.0002, .0003, .0005	500	3/8	5/5

**Metalpack**

	Each	Each
.1	4/6	6/9
.5	7/3	10/10
1.0	10/3	15/5
.05	4/3	6/4
.1	4/11	7/3
.25	6/3	9/5
.5	8/2	12/3
.02	4/1	6/1
.005	4/3	6/4
.01	4/6	6/9
.1	6/3	9/5

**Microcap (25%)**

**A.E.E. Metallised Paper**

**TYPE W48.**

Cap.	D.C. Wkg. Volts	Each	Each
.1 uf.	200v.	1/3	2/-
.25	200v.	1/7	2/8
.5	200v.	2/-	3/4
1.0	200v.	3/3	5/5
2.0	200v.	5/2	8/9

**A.E.E. W48 MICRO CAPS (Continued)**

Cap.	D.C. Wkg. Volts	Trade Each	Retail Each
.05 uf.	300v.	1/3	2/-
.1	300v.	1/6	2/7
.25	300v.	1/10	3/1
.5	300v.	2/8	4/5
1.0	300v.	4/-	6/8
2.0	300v.	5/9	9/8
.05 uf.	400v.	1/4	2/2
.1	400v.	1/7	2/8
.25	400v.	2/9	4/7
.5	400v.	3/9	6/4
1.0	400v.	6/4	10/6

**Type W99**

Size "A" — 7/16" x 3/16"

Size "B" — 9/16" x 1/4"

**200v.**

	Size	Dozen	Each
.004—.01 mfd.	A	10/6	1/4
.02—.04 mfd.	B	11/-	1/5

**400v.**

.001—.003 mfd.	A	10/6	1/4
.005—.01 mfd.	B	11/-	1/5

**600v.**

2.5—500 pf.	A	10/6	1/4
.001—.004 mfd.	B	11/-	1/5

**MICA (25%)**

**Simplex Stacked Mica — S.M., P.T.**

**Capacitance Range (pf.)**

Capacitance Range (pf.)	Each	Each
2—5	1/3	2/2
6—100	10d.	1/5
101—250	1/-	1/8
251—350	1/1	1/9
351—450	1/2	1/10
451—550	1/3	2/-
551—650	1/5	2/3
651—750	1/6	2/5
751—900	1/7	2/7
901—1000	1/8	2/9
1001—1500	2/-	3/3
1501—2500	2/6	4/2
2501—3500	3/3	5/6
3501—4500	3/8	6/-
4501—5500	4/2	7/-
5501—6500	4/7	7/9
6501—7500	5/3	8/11
7501—8500	5/9	9/10
8501—10,000	6/3	10/8

**ADDITIONS**

# 20 Condensers

## MICA CONDENSERS (25%) (Continued)

### Simplex Fixed Mica, Type M 2000vw

Capacity	Trade Each	Retail Each
.001 mfd. ....	2/4	3/10
.002 mfd. ....	3/-	5/-
.004 mfd. ....	4/6	7/6
.01 mfd. ....	7/6	12/9
.02 mfd. ....	11/3	19/6

### Simplex Silvered Mica ± 2½%

#### Types M.S., P.T., S.M., S.S:

Capacitance Range (pf)	Each	Each
2-5	1/7	2/8
6-100	1/-	1/8
101-150	1/3	2/2
151-250	1/5	2/6
251-350	1/6	2/8
351-450	1/9	3/-
451-550	1/10	3/2
551-650	2/-	3/4
651-750	2/3	3/9
751-900	2/4	3/11
901-1000	2/6	4/2
1001-1500	3/-	5/-
1501-2500	3/6	6/-
2501-3500	4/6	7/6
3501-4500	5/8	9/6
4501-5500	6/9	11/5
5501-6500	7/7	12/10
6501-7500	8/9	14/8
7501-8500	9/9	16/4
8501-10,000	10/9	18/3

## NOISE SUPPRESSION (12½%)

### Ducon

Cat. No.	Cap. Mfd.	Wkg. A.C.	Volts D.C.	Each	Each
PN350 2X	.01	240	600	10/-	15/1
PN351 2X	.1	240	600	11/6	17/6
PN352 2X	.5	240	600	16/-	24/3
PN353 2X	1.0	240	600	20/-	30/4
PN364 2X	.005 + 1	240	600	12/5	18/10
PN540 .05 (Mixmaster Speed Control) (Replaces PN436)				5/3	7/11
PN441, 2 × .02 + .05 (Mixmaster Suppressor)				5/11	8/11
PN515 (Elcon Mixer & W/House)				8/8	13/1
PNT380, Auto Generator				5/2	7/9
.015 mfd., 2 KV. Disc (Remington)				3/9	6/5

### U.C.C.

	Each	Each
PNC100, Auto Generator	5/2	7/9
PNM101, .1 + .1 mfd.	11/6	17/5
PNP101, 2 × .001 + .05 mfd.	6/11	10/5
PNP109, 2 × .005 + .1 mfd.	7/3	10/11
(Supersedes U.C.C. Type 50-380).		
PNS106, 2 × .005 mfd.	6/3	9/5

## PAPER TUBULAR (25%)

### Ducon U.C.C.

Cap. Mfd.	Wkg. Volts	Trade Each	Retail Each
.01, .012, .015	200	1/-	1/7
.018, .022, .027, .033	200	1/-	1/7
.039, .047, .056	200	1/-	1/7
.068	200	1/-	1/7
.082, .1	200	1/2	1/10
.12, .15	200	1/5	2/3
.18, .22	200	1/7	2/8
.27, .33	200	1/10	3/1
.39, .47	200	2/2	3/6
.56, .68	200	2/5	4/1
.82, 1.0	200	3/-	5/-
2.0	200	4/-	6/6
.5 (Braided)	200	2/9	4/8
.001-.015	400	1/-	1/7
.018-.047	400	1/2	1/10
.056-.1	400	1/5	2/3
.12, .15	400	1/9	3/-
.18, .22	400	2/-	3/4
.27, .33	400	2/8	4/6
.39, .47	400	3/3	5/5
.56, .68	400	3/10	6/3
.001, .0012, .0015	600	1/-	1/7
.0018, .0022, .0027	600	1/-	1/7
.0033, .0039, .0047	600	1/-	1/7
.0056, .0068	600	1/-	1/7
.0082, .01	600	1/1	1/8
.012, .015	600	1/2	1/10
.018, .022	600	1/3	2/-
.027, .033	600	1/4	2/1
.039, .047	600	1/5	2/3
.056, .068	600	1/6	2/5
.082, .1	600	1/8	2/11
.12, .15	600	2/-	3/4
.18, .22	600	2/5	4/1
.27, .33	600	2/8	4/6
.39, .47	600	3/5	5/9
.56, .68	600	3/10	6/3
.001, .0012, .0015	1000	1/10	3/1
.0018, .0022, .0027	1000	1/10	3/1
.0033, .0039, .0047	1000	1/10	3/1
.0056, .0068	1000	1/10	3/1
.0082, .01	1000	2/-	3/4
.012, .015	1000	2/3	3/8
.018, .022	1000	2/5	4/1
.027, .033	1000	2/6	4/3
.039, .047	1000	2/8	4/6
.056, .068	1000	2/10	4/10
.082, .1	1000	3/3	5/5
.15	1000	4/2	6/9
.22	1000	4/11	8/-
.001	1600	2/9	4/8
.0022	1600	2/9	4/8
.01	1600	3/-	5/-
.022	1600	3/3	5/5



**PAPER TUBULAR CONDENSERS**  
(25%) (Continued)

Cap. MFD.	Wkg. Volts	Trade Each	Retail Each
.001 Buffer	2000	3/-	5/-
.0047 Buffer	2000	3/-	5/-
.0068 Buffer	2000	3/2	5/3
.0082 Buffer	2000	3/3	5/5
.01	2000	3/3	5/5
.1	2000	4/-	6/6

**PAPER CONDENSERS FOR PRINTED CIRCUIT APPLICATIONS**

(e.g. Admiral T.V. Sets)

**Ducon**

Type TPF — 200 vw	Each	Each
.015 mfd.	1/6	2/5
.22 mfd.	2/5	4/1
.33 mfd.	2/9	4/8

**Type TPF — 400 vw**

.0033 mfd.	1/6	2/5
.0047 mfd.	1/6	2/5
.01 mfd.	1/6	2/5
.047 mfd.	2/-	3/4
.22 mfd.	2/9	4/8

**Type TPF — 600 vw**

.033 mfd.	2/-	3/4
.047 mfd.	2/1	3/6

**PLASTIC FILM CONDENSERS**

**Ducon "Styroseal"**

**Type DFB-600v.**

	Each	Each
100—150 pf.	9d.	1/4
151—220 pf.	10d.	1/5
221—390 pf.	1/-	1/8
391—560 pf.	1/2	1/10
561—820 pf.	1/3	2/-
821—999 pf.	1/4	2/2
.001—.0027 mfd.	1/5	2/3
.0033—.0047 mfd.	1/6	2/5
.0056 mfd.	1/7	2/7
.0068 mfd.	1/8	2/9
.0082 mfd.	1/9	2/11
.01 mfd.	1/11	3/1
.022 mfd.	2/2	3/5
.033 mfd.	2/5	4/-
.039 mfd.	2/6	4/2
.047 mfd.	2/9	4/8
.1 mfd.	4/2	7/-
.22 mfd.	7/3	11/9
.33 mfd.	10/-	16/6
.47 mfd.	13/6	23/-
.56 mfd.	15/9	26/8

**Type DFB-1000V**

.001 mfd.	1/10	3/-
.0012—.0022 mfd.	2/-	3/4
.0027—.0047 mfd.	2/1	3/4
.0056—.0082 mfd.	2/2	3/5
.01 mfd.	2/3	3/7

**PLASTIC FILM CONDENSERS**  
(Continued)

**Philips "Polyester"**

**Type C296 AC/A — 400v.**

	Trade Each	Retail Each
1,000—8,200 pf.	1/-	1/8
10,000—15,000 pf.	1/1	1/9
18,000—39,000 pf.	1/3	2/-
47,000 pf.	1/4	2/3
56,000 pf.	1/5	2/5
68,000 pf.	1/6	2/6
82,000 pf.	1/8	2/8
.1 mfd.	1/9	2/10
.22 mfd.	2/8	4/5
.33 mfd.	3/8	5/3
.47 mfd.	4/6	7/9

**CONDENSERS — TANTALUM**

(See "Green" Section)

**VARIABLE CONDENSERS (25%)**

**Padders**

Jabel, 7 Plate Poly, 455KC	Each	Each
	2/-	3/4

**Reaction**

R.C.S. CV40, 100 mmfd.	11/3	19/-
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**Trimmers**

**Ducon Ceramic**

	Each	Each
Compression, CWO, 1.5/15 pf.	1/2	1/10
Compression, CWO, 3/55 pf.	1/2	1/10
Compression, CWO 100, 20—220 pf.	4/6	7/9

**Jabel**

Compression, 25 pf.	10d.	1/5
Compression, 50 pf.	10d.	1/5

**M.S.P.**

Air, 3—30 mmfd.	2/9	4/6
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**Philips**

Air, 3—30 mmfd.	2/6	4/6
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**U.C.C.—Ceramic**

CC164N, .5—3 pf.	1/6	2/7
CC165N, 1—5 pf.	1/6	2/7
CC159N, 3—9 pf.	1/8	2/10
CC175N, 2—20 pf.	1/8	2/10
TCKO330, 3.5—30 pf.	6/4	10/-
TCKO540, 5—40 pf.	6/4	10/-
TCKO670, 6—70 pf.	7/4	11/8
TCKO1010, 10—100 pf.	7/4	11/8

# 24 Fuses—Gramos

## FUSES (12½%)

	Trade Each	Retail Each
<b>Australux</b>		
Delay Action (Slow Blow) (1½" x ¼") ..... All Ratings	1/-	1/6
<b>Australux, Type 3AG</b>	<b>Pkt. 5</b>	<b>Pkt. 5</b>
150, 250, 375, 500, 750 ma. ....	3/9	5/5
1, 2, 3 amp. ....	2/2	3/6
5 amp. ....	2/-	3/3
10—35 amp. ....	1/6	2/5
<b>Rapar</b>	<b>Pkt. 5</b>	<b>Pkt. 5</b>
250 ma., 500 ma. ....	2/10	4/1
1, 2, 3 Amp. ....	1/8	2/8
5 Amp. ....	1/6	2/5
10 Amp. ....	1/2	1/10

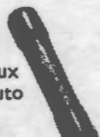
## FUSE DISPENSER (12½%)

Australux No. 75— Complete with 300 Fuses, 25 each of 12 Types (3AG) .....	£9 13 4	—
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HI52  
Fuse Block

Australux  
3AG Auto  
Fuse  
375MA  
up to 30 amp  
available



No. 123  
Front Loading  
Fuse Holder



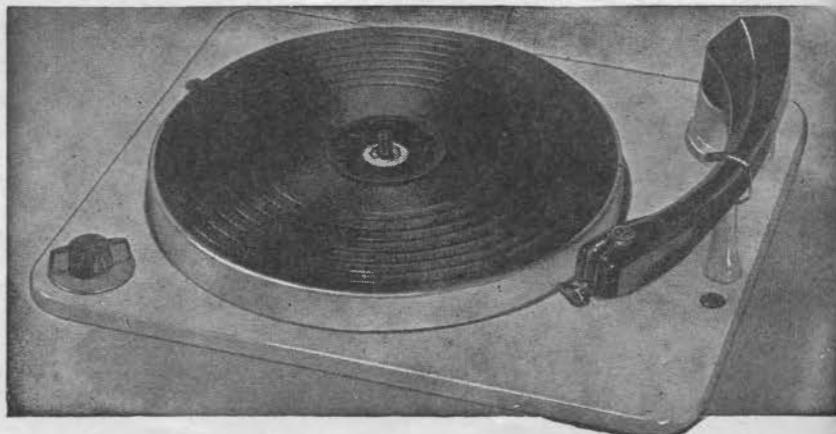
Fuse Holder  
MBC Chassis  
Type



Fuse Holder  
MBC Thru Type

## FOR HIGH FIDELITY BSR HF.8 4-Speed Record Player

Bringing you the features and reproduction quality you have been waiting for! Made in Australia and designed specially for Australian "Hi-Fi" requirements, and backed by the worldwide B.S.R. experience in quality manufacture.



## GRAMOS (25%)

### MOTOR ONLY

	Trade Each	Retail Each
B.S.R., A10M (used in HF8 Unit) .....	3 0 0	5 5 0

## FUSE HOLDERS (12½%)

	Trade Each	Retail Each
Carr, 679-3-3, Fuse Panel .....	1/6	2/6
Hoelle, H152, Fuse Block .....	1/11	2/11
Hoelle, H153A, M.B.C., Thru' Type	1/-	1/6
Hoelle, H153B, M.B.C., Chassis Mounting .....	1/5	2/11
M.S.P., 36546, Line or Chassis Mounting, Nylon .....	1/3	2/-
M.S.P., 40845, Mains, Polystyrene	1/10	2/11
S.M.K., S438, Front Loading .....	3/-	4/6
Zephyr, 123, Front Loading .....	3/10	5/2

## FUSE WIRE (Exempt)

	Per Display	Per Card
<i>Carded</i>		
"Superheat," 12 Cards, 5/10 amp. Fuse Wire on Display Card .....	2/8	4d.
<i>Reels</i>	<i>Per Reel</i>	<i>Per Reel</i>
1 oz. ....	1/10	2/9
3 oz. ....	4/-	6/-
4 oz. ....	6/3	8/9

## GAS DETECTORS

(See "Green" Section).

## GENERATOR SUPPRESSOR CONDENSERS

See under "Condensers — Noise Suppression."

## GERMANIUM DIODES

See under "Semi-Conductors."

## GLOVES (EXEMPT)

	Trade Pair	Retail Pair
PVC, Studded, for easy handling of Picture Tubes .....	9/6	12/6

## GOGGLES (EXEMPT)

	Each	Each
Protector Goggles, for T.V. Servicemen .....	15/9	21/-

## MOTOR AND TURNTABLE

	Trade Each	Retail Each
Collaro TRP594, Transcription	£12 2 0	£18 17 0
Garrard, 301, Transcription ...	29 4 6	51 17 6
Garrard, 301, with Strobe .....	32 13 6	58 0 0



"Monarch" gives the FOUR SPEEDS NECESSARY FOR THE MODERN RADIOGRAM, and these essential features as well . . . provision for EASY MANUAL PLAY. NEGLIGIBLE WOW AND RUMBLE. ADJUSTABLE STYLUS PRESSURE. NEUTRAL POSITION—prevents flat spots on drive tyre.

## THE MIGHTY BSR Monarch

### U A 8 4-SPEED AUTOMATIC RECORD CHANGER

#### Motor & Turntable (Continued)

	Trade Each	Retail Each
Orpheus, Transcription .....	£19 2 6	£29 17 6
Orpheus, "Silex", Transcription .....	24 5 8	38 7 6

#### MOTOR AND PICKUP

	Trade Each	Retail Each
B. & O. Stereo, mounted on Teak Platform, c/w B. & O. Arm and Stereo Diamond	£32 0 0	£50 0 0
B.S.R., HF8, Mono. ....	8 8 0	13 5 0
B.S.R., HF8, Stereo .....	10 0 0	16 16 0
B.S.R., RP4, Mono. ....	7 5 0	11 0 0
B.S.R., RP4, Stereo .....	8 8 0	13 5 0
Collaro, JRP59M .....	5 6 3	8 17 0
Collaro, RP594, Stereo .....	10 1 3	15 2 0
Collaro, 4T/200, Transcription .....	16 10 0	26 15 0
Garrard, TA, Mk. II .....	8 5 3	14 9 6
Garrard, 4HF, Transcription Motor, c/w P.U. & Stereo Cartridge .....	21 5 6	36 10 0
Garrard, 4HF, less Cartridge	18 17 6	33 7 6
Labcraft, 573V., with Diamond .....	20 2 9	31 17 6

#### CHANGERS (25%)

	Trade Each	Retail Each
B.S.R., Monarch, UA8 .....	12 10 0	20 10 0
B.S.R., UA8/S, Stereo .....	14 0 0	22 0 0
B.S.R. UA12, Mono .....	8 15 0	14 0 0
B.S.R. UA14, Stereo .....	10 0 0	16 0 0
Collaro, C60, with Studio "O" Ronette 105 .....	9 8 9	14 3 6
Garrard, RC210, with GC2 ..	11 13 9	20 17 6
Garrard, RC210, with GP73 ..	13 10 8	23 15 0
Philips, NG1020 .....	12 12 3	22 1 0
Telefunken, TW562, Stereo ..	20 7 0	30 10 6

#### MOTOR AND PICKUP IN PORTABLE CASE (25%)

	Trade Each	Retail Each
C.M.E., Fitted with RP4 .....	12 1 6	21 12 3

#### CHANGER IN PORTABLE CASE (25%)

"Savana," Fitted with UA8 .....	16 10 0	28 15 0
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#### AMPLIFIED PLAYERS IN PORTABLE CASE (25%)

	Trade Each	Retail Each
Rapar		
Fitted with Collaro .....	14 18 8	24 17 6

#### Baird

"Wondergram", Miniature —		
Transistorised .....	17 16 3	29 17 6

#### CARTRIDGES AND HEADS (25%)

##### Acos

	Trade Each	Retail Each
GP39, Standard, Sapphire .....	45/4	72/6
GP39, L.P., Sapphire .....	45/4	72/6
GP61-1C, Turnover, Twin Sapphires (Ceramic) .....	36/7	58/6
GP67-1G, Turnover, Twin Sapphires (replaces HGP37-1C, GP65-1G) .....	36/7	58/6
GP67-3G, Turnover (replaces GP59-3C, GP59-5C, GP65-3A) ..	26/11	43/-
GP71, Stereo, Sapphire Stylus .....	41/3	66/-
GP71, Stereo, Diamond Stylus ..	72/10	116/6
GP73-2A, Stereo, Twin Sapphires ..	41/3	66/-
GP73-2A, Stereo, Sapphire, Diamond .....	95/11	153/6
GP73-5A, Stereo, Twin Sapphires ..	41/3	66/-
GP73-5A, Stereo, Sapphire, Diamond .....	95/11	153/6

Trade Each	Retail Each
1/6	2/3
1/11	2/10
1/-	1/6
1/5	2/1
1/3	2/-
1/10	2/10
3/-	4/6
3/10	5/2

Per Display	Per Card
2/8	4d.
Per Reel	Per Reel
1/10	2/9
4/-	6/-
6/3	8/9

SENSERS  
pression."

Trade Pair	Retail Pair
9/6	12/8

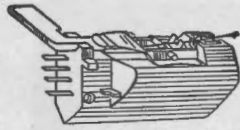
  

Each	Each
5/9	21/-

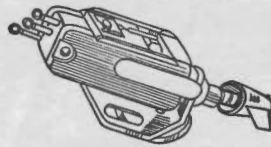


Retail Each
0 £18 17 0
6 51 17 6
6 58 0 0

# 26 Cartridges



ACOS STEREO  
GP-73



B.S.R. STEREO  
T.C. 8/S.

## CARTRIDGES & HEADS (25%)

(Continued)

### B. & O.

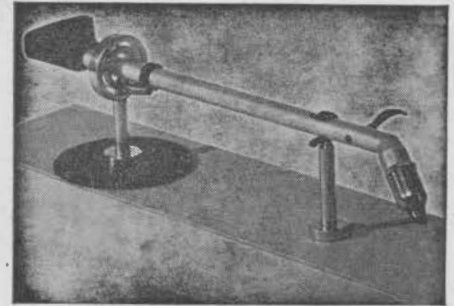
	Trade Each	Retail Each
S.P.1, Stereo, 1/2" Fitting, suits Most Arms .....	£8 11 8	£13 17 6
S.P.2, Stereo, Plug In, for B. & O. Arm .....	8 11 8	13 17 6

### Collaro

Studio "O" Cartridge .....	1 18 0	2 19 0
Studio "P" Cartridge .....	1 16 6	2 17 6

### Dual

CDS3, Cartridge for 1005, 1004, 1004T12, 1003, 280 .....	1 16 0	3 2 6
CDS2B, Cartridge for 295, 275, 1002F .....	2 11 0	4 8 6
(CDS1 now replaced by CDS2).		
CDS320/3, Stereo Cartridge for 1004S, 1004T12S, 300	2 11 0	4 8 6
CDS310/3, Mono. Cartridge for 300M .....	2 11 0	4 8 6
CDS520/3, Stereo Cartridge for 1007 .....	2 11 0	4 8 6
LK33, Stereo Cartridge for 1006 (Sapphires) .....	2 11 0	4 8 6
LK78, 78 Standard Cartridge for 1006 .....	2 11 0	4 8 6
TAK-J, Head complete for 1003, 1005, Mono. ....	2 13 6	4 12 6
TAK-K, Head complete for 1004, 1004T12, Mono. ....	2 13 6	4 12 6
TAK-G2, Head complete for 280, Mono. ....	2 13 6	4 12 6
TAK-F, Head complete for 275, 270, 1002F, Mono. ..	2 10 6	4 7 6
(KST5 Cartridge now replaced by TAK-F Head).		
K2S, Stereo Head for 1004S, 1004T12S .....	3 8 6	5 18 6
KS1, Stereo Head for 1004S, 1004T12S (1 Tip) .....	3 2 6	5 8 6
KS2/SD, Stereo, Diamond L.P., Sapphire Std. ....	7 11 6	13 1 6
KS1/D, Stereo, Diamond L.P. only (1 Tip) .....	7 2 6	12 6 6
TAK/J/SD, Mono., Diamond L.P., Sapphire Standard ..	6 16 6	11 15 6
TAK-K/SD, Mono., Diamond L.P., Sapphire Standard ....	6 16 6	11 15 6
TAK-G2/SD, Mono., Diamond L.P., Sapphire Standard ....	6 16 0	11 15 6
DMS900, Magnetic, Stereo L.P., Diamond, for 1006 ..	11 6 6	19 14 6



B. & O. STM DE LUXE PICK.UP

### Elac

	Trade Each	Retail Each
MST2A, Variable Reluctance Turnover Cartridge .....	£6 0 0	£9 0 0
STS210D, Stereo Cartridge, with Diamond .....	14 0 0	21 0 0
KST102, suits "Bingo" .....	2 14 4	4 3 0
KST103, Stereo Crystal Cart- ridge (Stereo and L.P. only)	2 12 0	4 0 0
Mounting Bracket .....	0 4 8	0 8 2

### Garrard

	Each	Each
GC2, Cartridge .....	39/6	67/6
GC8, Cartridge .....	35/-	57/11
GCS10, Stereo, C/W Shell .....	60/-	106/6

### G.E.

VR225, Stereo .....	£17 4 2	£25 16 0
VR227, Stereo .....	15 10 5	23 5 6
4G-050, Mono. (2 Sapphires)	5 6 3	7 19 6
4G-052, Mono (L.P. Diamond)	11 16 0	17 14 0

### Goldring

#### Ceramic

Power Point—		
Blue (Std., L.P.) .....	18/-	29/6
Red (L.P. only) .....	18/-	29/6

#### Crystal.

TC8M .....	36/7	58/6
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#### Stereo.

TC8/S, with Sapphire .....	65/-	105/-
TC8/S, with Diamond .....	118/8	185/-

### Ortofon

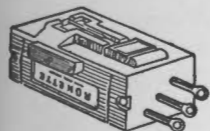
Type "A", Head, with Dia- mond .....	10 8 2	16 18 0
Type "A", Head, with Sap- phire .....	3 15 0	6 2 0
Type "C", Head, with Dia- mond .....	19 8 2	31 11 0
Type SPG, Stereo Head .....	19 8 2	31 11 0

**GRAMO CARTRIDGES & HEADS**

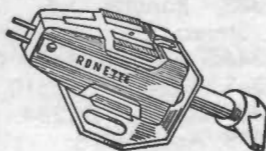
(25%) (Continued)

**Philips**

AG3016, replaces AG3010 .....	Trade Each 34/1	Retail Each 59/6
AG3063, Stereo, Sapphire .....	35/9	62/6
AG3301, Mono/Stereo .....	52/-	81/6



RONETTE SINGLE SIDED STEREO



RONETTE TX88

**Ronette**

DC-284-OV (uses S43) .....	Trade Each 36/-	Retail Each 57/6
Ronette "P" .....	36/-	57/6
TX88 .....	35/9	59/9
Ronette Stereo, Single Sided with Bracket .....	54/-	89/6
Ronette Stereo, Single Sided, less Bracket .....	51/-	85/6
Ronette Stereo, Turnover .....	55/3	92/6
Ronette Stereo, Turnover, with Diamond .....	101/11	172/6



RONETTE TURN-OVER STEREO.

**Sonotone**

8T, Stereo .....	Trade Each 42/3	Retail Each 74/-
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**GRAMO CABINETS**

See under "Cabinets."

**PICKUPS (25%)**

**Acos**

GP40, Crystal .....	Trade Each £6 1 11	Retail Each £9 15 0
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**All Balance**

Stereo Arm, with Detachable Head Shell (no Cartridge)—					
Takes All Cartridges .....	11	8	8	18	2 0
Head Shells .....	0	18	0	1	8 6

**B. & O.**

STL, Professional Arm .....	16	14	11	27	18 3
STM, De Luxe Arm .....	15	14	11	26	5 0

(Both Arms complete with Cartridge and Diamond Stylus).

**PICKUPS (25%) (Continued)**

**Collaro**

RC54, Arm, Complete .....	Trade Each 3 15 0	Retail Each 6 5 0
AC53, RC521, Arm .....	3 15 0	6 5 0
4T200, Arm c/w Cartridge—		
Mono .....	5 9 4	8 19 0
Stereo .....	5 16 0	9 14 0

**Garrard**

TPA12, Arm only .....	Trade Each 5 4 0	Retail Each 9 15 0
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**Goldring**

UP8, Crystal, Turnover Head .....	Trade Each 2 0 0	Retail Each 3 5 0
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**Ortofon**

SSM212, Stereo Arm .....	Trade Each 12 12 0	Retail Each 19 14 0
Type "A", Head, with Diamond .....	10 8 2	16 18 0
Type "C", Head, with Diamond .....	19 8 2	31 11 0
Transformer, 251 .....	3 5 8	5 7 0

**STYLII (25%)**

**B. & O.**

Stereodyne Stereophonic, Diamond .....	Trade Each 70/3	Retail Each 115/3
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**Decca**

Steel, Multiplay, Box 100 .....	Per 1000 21/-	Per 100 3/10
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**Dual—Sapphires**

DN2, Twin Sapphire Assembly for 1003, 1004, 1004T12, 1005, 280, 275, 1002F .....	Trade Each 15/6	Retail Each 27/-
DN3, Twin Sapphire Assembly (Stereo L.P. Sapphire Standard) for 1004S-1004T12S, 300, 1007 .....	15/6	27/-
DN21, as DN2 (with Twin Standard Tips) .....	15/6	27/-
DN22, as DN2 (with Twin L.P. Tips) .....	15/6	27/-
DN1, Twin Sapphire Assembly for 275, 1002F (Old Models) .....	15/6	27/-
SN12, Twin Sapphire Assembly for Early Models 270, 1002E/D .....	15/6	27/-
DN32, as DN3, but with 1 Tip Stereo, 1 Tip L.P. .....	15/6	27/-
DN26, as DN3, but with Single Stereo/L.P. Tip .....	12/6	22/-
DN4, Single Stereo/L.P. Tip for 1006 .....	12/6	22/-
DN45, Single Std. 78 Tip for 1006 .....	12/6	22/-
DN90, Stereo/L.P. Sapphire for DMS900 .....	18/9	32/6
DN91, 78/Sapphire for DMS900 .....	18/9	32/6
DN92, L.P./Sapphire for DMS900 .....	18/9	32/6

**STYLII (25%) (Continued)**

Dual-Diamonds	Trade Each	Retail Each
DN24, as DN2 (with Diamond L.P./Sapphire Std.)	£4 18 6	£8 10 0
DN34, as DN3, with Diamond L.P./Stereo and Sapphire, Standard	4 18 6	8 10 0
DN23, as DN3, Single Stereo, L.P. Diamond	4 12 6	8 0 0
DN43, Stereo/L.P. Diamond for 1006	4 12 6	8 0 0
DN95, Stereo/L.P. Diamond for DMS900	4 18 6	8 10 0

**EKCO—Sapphires**

Color Code — Red for LP; Green for Std.

	Each	Each
E1, Straight Shank, for Light Wgt. Hi-Fi Pick-ups	7/-	12/9
E3, for HMV, Connoisseur, Goldring 121, 122 and other Light Weight Pick-ups	7/-	12/9
E4, A.W.A. Transcription Pick-ups, 27700, 30000	7/-	12/9
E6, Trailer Type for Changers and Crystal, Magnetic Pick-ups	7/-	12/9
E7, GP29, BSR Changer, GU4 Goldring T.O.H. Pick-up, Garrard and S.C. 103 Changers, Acos	7/-	12/9
E8, Shure, Monarch, Collaro 500	7/-	12/9
E9, for Pick-up Units (GP20, HGP35) replacing Chancery, Decca, Collaro, and Acos Stylis GP27, HGP35)	7/-	12/9
E9A, for GP19, HGP39, HGP41 and HGP45	7/-	12/9
E10, Goldring Magna 200	7/6	13/6
E11, Plessey Changer	16/-	26/-
E12/13, for Astatic Cartridges in Garrard, S.C., etc., interchangeable in both U.K. and U.S. Models	7/6	13/6
E14, Variable Reluct. 500, 555	7/6	13/6
E16, HGP37, GP37-1C, GP37-1D	7/6	13/6
E20, for Dual Pick-up KST5, Stylus Model SN12NM	13/4	22/6
E20A, Dual Decord Players and Changers, 275, 1002F	13/4	22/6
E20B, Dual Changers, 1003, 280	16/8	27/6
E21, for Cartridge TO284, TO284N (Collaro, Ronette, Velvet Action), Stylus Models 5304N, 5304L	7/6	13/6
E21A, for Ronette PX Cartridge	7/6	13/6
E21B, for UA8, HF8, TC8H, TC8M	7/6	13/6
E22, for Philips Changer, AG3010	7/6	13/6
E23, for Garrard Crystal Cartridge GC2 (A54), Stylus GC2-3 (Std.), GC2-1 (LP), Garrard 110, 120	7/6	13/6
E24, WRN Magnetic PU	7/6	13/6
E25, Connoisseur, Light Weight	10/-	17/6
E26, for HGP59	7/6	13/6
E26A, Acos Ceramic Cartridge GP61	7/6	13/6
E27, Acos HGP65	7/6	13/6

**EKCO STYLII (25%) (Continued)**

	Trade Each	Retail Each
E28, Ronette TX88	7/6	13/6
E29, Philips AG3016	7/6	13/6
E30S, Acos Stereo GP71	7/6	13/6
E31S, BSR Stereo TC8-S	7/6	13/6
E32S, Dual 1004S Cart. CDS/320/3	16/8	27/6
E33S, Ronette S.S. and T.O.H. Stereo	7/6	13/6
E34AS, Garrard Stereo GCS-10/1	7/6	13/6
E34S, Garrard, GCS10, Stereo	7/6	13/6
E35, Ronette, DC284, Ov.	7/6	13/6
E37S, Acos GP73	11/-	18/-
E38, for GC8	7/6	13/6

**EKCO—Diamonds**

E11D, E20D, E20AD, E20BD, E32S/D, E37S/D	96/8	151/6
All others—		
Professional Pack	90/-	140/-
Popular Pack	45/-	80/4

**Elac**

DM2, Diamond, LP or Std.	112/-	183/-
SM2, Sapphire, LP or Std.	17/4	30/4
SM200, Stereo, Sapphire	66/8	116/8
DM210, Stereo, Diamond	154/8	244/10
SNM101, Stereo, Sapphire, KST101	24/-	42/-
SNM100, for Bingo, KST100	26/8	45/-
DMSN100, for Bingo (Diamond LP, Sapphire Standard)	149/4	241/6

**General Electric**

**Stylus Assembly**

GE Type, RPJ010, Dual Sapphire, 1 mil. and 3 mil. for Variable Reluctance Cartridge	64/-	91/6
GE Diamond Stylus Assembly for GE Variable Reluctance Cartridge	154/5	232/-

**Goldring-Sapphires**

S1, Light Weight Pick-ups	6/6	11/6
S3, Connoisseur, Goldring 121, 122, H.M.V. and other Light Weight Pick-ups	6/6	11/6
S6, Trailer for Record Changers and Crystal and Magnetic Pick-ups	6/6	11/6
S7, Goldring TOH Pick-up BSR, GU4, SC Changer, Garrard Changer, Acos	7/6	13/6
S8, BSR, GU4, BSR Monarch Changer and TC2 Cartridge	7/6	13/6
S9, Various Acos Cartridges, Collaro and Garrard	7/6	13/6
S10, Goldring Magna 200	7/6	13/6
S11, Plessey Changer	16/6	26/-
S13, Garrard, "Astatic" US	7/6	13/6
S14, Garrard, "Astatic" Crystal PU	7/6	13/6
S15, Acos GP33	7/6	13/6

nued)

**STYLII (25%) (Continued)**

**Goldring (Continued)**

Trade Each	Retail Each	Description	Trade Each	Retail Each
7/6	13/6	S16, for latest Imported Record Changers and HGP37	7/6	13/6
7/6	13/6	S17, for Collaro, Ronette, Velvet Action (Cartridges TO284)	7/6	13/6
7/6	13/6	S18, for Garrard Crystal Cartridge GC2	7/6	13/6
16/8	27/6	S19, for Garrard Turnover Magnetic PU	20/-	32/-
7/6	13/6	S20, Goldring Variable Reluct. Cartridge 500, 555	7/6	13/6
7/6	13/6	S24, for GP19, HGP39, HGP41, HGP45	7/6	13/6
7/6	13/6	S25, for HGP59	7/6	13/6
7/6	13/6	S31, for GP61	7/6	13/6
7/6	13/6	S35, for BSR TC8M, TC8H	7/6	13/6
7/6	13/6	S36, for Acos, GP65	7/6	13/6
96/8	151/6	S40, for Goldring 600	14/-	22/6
90/-	140/-	S42, for TX88	14/-	22/6
45/-	80/-	S43, for Collaro OV284	7/6	13/6
		S44, for Ronette (Stereo)	7/6	13/6
		S47S, for Garrard GCS-10	7/6	13/6
		S48, for Acos GP73 (Stereo)	16/6	26/-
		S54, Sonotone 8T, Stereo	16/6	26/-
		150, Goldring 2-Way Pick-up	7/6	13/6

**Goldring-Diamonds**

		D16, D17, D18, D35, D35S, D43, D44S, D47S	46/8	40/-
		D32, D42, D48S, D54	60/-	110/-
		D20, D40, D50/S	90/-	140/-

**Selecta-Tru Fidelity**

**Sapphires**

		Ronette, Collaro, Std., LP (S17/E21)	4/5	7/6
4/-	91/6	Garrard GC2, LP (S18/E23)	4/5	7/6
		Acos GP37, LP (S16/E16)	4/5	7/6
4/5	232/-	BSR TC8 Stereo, LP (S35S/E31S—S35/E21B)	4/5	7/6
		Ronette BF, Stereo, LP (S44/E33S—S43/E35)	4/5	7/6
5/6	11/6	Acos GP73 (S48/E37S)	8/10	15/-

**Diamonds**

		As above	45/-	80/-
		Acos, GP73 (D48/E37S/D)	60/-	110/-

**Thorens**

		AEJ-01S		
7/6	13/6	*AEJ-01S4G } L.P. Sapphire	35/3	53/3
		AEJ-03S		
7/6	13/6	*AEJ-03S4G } Std. Sapphire	35/3	53/3
		AEJ-01D		
7/6	13/6	*AEJ-01D4G } LP Diamond	140/3	225/9
		AEJ-03D		
7/6	13/6	*AEJ-03D4G } Std. Diaond	140/3	225/9
7/6	26/-	AEJ-010A, Twin Sapphire	84/9	128/6
7/6	13/6	AEJ-012A, Twin Diamond	288/-	436/6
		AEJ-013A LP Diamond		
7/6	13/6	Std. Diamond	185/8	281/3
7/6	13/6	*Suits AE-4G Cartridge.		

**Stylus Retipping Service**

Retipping Diamond in Stylus ... Trade 90/- Retail 140/-

**GOLDRING REPLACEMENT STYLUS INSTRUCTION CHART**

TYPE

Instructions for Needle Change



Tighten with Needle Screw.



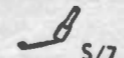
Insert without side pull or bending, as deeply as possible.



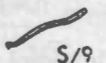
Tighten with Needle Screw.



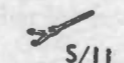
Insert without side pull or bending, as deeply as possible.



Turn cartridge until stylil holding screw in centre of cartridge shows. By unscrewing it, both stylil can be withdrawn simultaneously and new stylil inserted, making sure that the flats of these go in first.



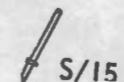
Fitting Instructions for Types S/8, S/9, S/10, S/11, S/13, S/24.



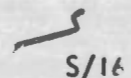
Withdraw old needle stylil by gentle but straight pull and insert new stylil without using force in the same manner. Using force would damage pickup mechanism as well as possibly snap off cantilever of stylus. If cartridge is inaccessible for effecting stylil change while cartridge is in position, it can easily be removed in all cases by unscrewing cartridge from pickup.



1. Remove worn needle by prising upward with a penknife blade under rear of needle.  
2. Insert shank of replacement needle and press down gently at base of shank.



Withdraw old stylus by straight but gentle pull, and insert new stylus—pressing gently in to the correct depth.


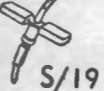
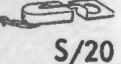
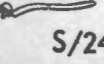
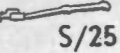
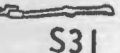

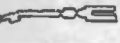







Grip stylus arm immediately above stylus ... continue lifting operation through 90° ... pull gently. This will remove stylus from bush. To replace, reverse operation.



Remove screw holding old stylus. Replace with new stylus. Tighten screw carefully.

**GOLDRING REPLACEMENT STYLUS INSTRUCTION CHART (Continued)**

TYPE	Instructions for Needle Change
 S/18	1. Remove stylus by prising upward with penknife blade under rear of stylus. 2. Insert shank of replacement stylus and press down gently at base of shank, making sure that the two ears on stylus bar fit over plastic coupling.
 S/19	With pickup in L.P. position, remove arm. Unscrew and remove stylus plate. Lift bridge piece and assembly of stylus plate. Place new stylus assembly in stylus plate. Refit bridge piece. Replace stylus plate in cartridge — red spot to front. While tightening screws, check that armature is central.
 S/20	To remove stylus unscrew metal strip through which stylus is protruding and pull out stylus together with damping material. When replacing stylus push damping material gently into recess provided for it and make sure stylus is straight before replacing metal strip.
 S/24	SEE S/8, S/13 SERIES.
 S/25	Pull stylus gently forward without moving damping material in which stylus is embedded. To replace stylus reverse this operation.
 S31	Pull stylus gently forward without moving damping material in which stylus is embedded. To replace stylus, reverse this operation.
 S 32 L.P. and Standard (Twin Point)	Push carefully into position.
 S/35	Loosen the screw holding old stylus and replace with new one. Tighten screw gently. Make sure stylus is straight.
 S35/S Stereo & L.P.	Slacken stylus screw and pull stylus forward. Reverse procedure for fitting stylus.
 S/36	Pull stylus gently forward without moving damping material in which stylus is embedded. To replace stylus reverse this operation, but replace extension of stylus bush into hole provided for it in the damping block.
 S/40	To remove stylus unscrew metal strip through which stylus is protruding and pull out stylus together with damping block. When replacing stylus push damping block gently into recess provided for it and make sure stylus is straight before replacing metal strip.
 S 42 Standard (Green) L.P. (Red)	New type finger grip stylus. When replacing please watch that the stylus is placed carefully over damping block.
 S 43 Standard (Green) L.P. (Red)	

**GOLDRING REPLACEMENT STYLUS INSTRUCTION CHART (Continued)**

TYPE	Instructions for Needle Change
	SEE S42, S43 SERIES.
S 44 Stereo & L.P.	
S 47 Stereo & L.P.	Push carefully into position.
S 48 Stereo, L.P. & Standard (Twin Point)	Lift retaining spring and insert stylus between damping blocks. Tighten retaining spring after this and stylus shank should rotate freely.

**GRAMO ACCESSORIES (25%)**

Adaptors	Trade Each	Retail Each
"Dual" PA7, Plastic Centre for Single Play of Large Centre Records .....	2/-	3/3
<b>Record Cleaners</b>		
	Each	Each
"Dustbug" Cleaner (for Transcription Motors) .....	34/5	55/-
Acos, "Dustbug" (for Changers) ..	34/5	55/-
"Dust Bug" Plush Pads .....	1/6	2/6
"Dust Bug" Nylon Bristles .....	1/11	3/2
"Dust Bug" Anti-static and Cleaning Fluid .....	2/4	3/8
Goldring Record Brush .....	1/6	2/6
Goldring Silicone Record Cleaning Cloth (Exempt) .....	3/6	5/-
<b>Record Racks</b>		
	Each	Each
Pick'n Spin — 50 Records .....	4/9	8/1
Platterack — 23 Records .....	16/-	27/6
Platterack — 50 Records .....	22/4	38/6
<b>Stylus Inspector (Exempt)</b>		
	Each	Each
Goldring — 40 Times Magnification .....	13/-	21/-
<b>Stylus Pressure Gauge (Exempt)</b>		
Goldring .....	12/6	19/6
<b>Turntable Mats</b>		
	Each	Each
Goldring — BSR Player .....	7/3	12/-
Goldring — Monarch .....	7/3	12/-
Orpheus — 12" .....	14/-	22/6
Goldring HF8 Mat Retaining Disc (Plastic) .....	4/-	7/-



STYLUS  
(Continued)

GRAMO & P.U. SPARES (25%)

	Trade Each	Retail Each
<b>Needle Change</b>		
<b>Acos</b>		
End Piece, GP20	10/-	17/-
<b>Collaro</b>		
Magnetic P.U. Coils	9/-	14/3
Standard Needle Screws	1/6	2/8
Studio "O" Stylus Screws	3d.	6d.
Studio "O" Turnover Knob	1/6	2/6
RC500 Spindle	24/9	41/6
Pulleys, 3 Speed, Blue, Green, Red	4/8	8/-
Idler Wheel, RC54, AC3-554, Late		
2010, Tape Deck	5/3	8/11
Idler Wheel, RC456, Old 2010	5/3	8/11
Idler Wheel, RC511	7/-	11/6
Pulleys, RC511, 521	3/8	6/3
Pulley, 4 Speed	4/6	7/3
P.U. Arms, RC54 (Moulding)	12/8	19/9
P.U. Arms, RC456 (Moulding)	12/8	19/9
P.U. Arms, RC436 (Moulding)	12/8	19/9
P.U. Shells (Head Shell Only)	9/6	16/3
Screws, Cartridge Holding, 6BA x 1/4"	1d.	2d.
Solder Tags for Cartridges	2d.	3d.
Speed Change Knobs, 3 Speed, RC54	3/9	6/2
Start/Reject Knobs, RC54	3/9	6/2
Speed Change Knobs, 4 Speed	3/9	6/2
<b>Dual</b>		
Pick-up Arm Mouldings, 270, 275, 295, 1004S, 1007	36/-	63/-
Pick-up Arm Mouldings, 1003/4/5, 280, 1002E/F	30/-	52/6
Pick-up Arm Mouldings, 300/1006	41/-	71/9
Inter-Drive Wheels for all Models	7/-	12/-
Idler Drive Wheels, 1006	9/-	15/6
Idler Drive Wheels, All Other Models	8/-	13/9
AS3, Centre Spindle, large, for 1003, 1004, 1005, 280	29/6	50/-
Cartridge Fittings for 1006	7/-	12/6
"Stop", "Start", "Repeat" Button	1/6	2/6
Speed Control Pointers	9d.	1/6
<b>Garrard</b>		
O.T. Needle Screws	1/-	1/9
Magnetic P.U. Coils	7/11	13/-
Drive Belts	1/3	2/3
Lever Knobs	2/6	4/-
Screws for Lever Knobs	2d.	4d.
Spindles, RC120	26/2	44/3
Spindles, RC75	6/1	10/-
Spindles, RC70B	7/1	12/-
Spindles, RC88	10/8	18/-
Spindles, RC65	12/6	21/3

GARRARD SPARES (Continued)

	Trade Each	Retail Each
Pick-up Arm Moulding, "T"	9/9	16/8
Pick-up Arm Moulding, TA, Mk. II	10/8	18/-
Pick-up Arm Moulding, 4SP, RC120	23/6	42/4
Speed Change Knobs	3/3	5/8
Idler Wheels, RC110	6/11	11/6
Idler Wheels, "T"	6/-	10/-
Idler Wheels, RC120, 4SP	7/6	12/8
Idler Wheels, RC98	7/6	12/8
Idler Wheels, RC70	5/6	9/3
Idler Wheels, 4HF	12/9	21/2
Inter Wheels, RC75, 80M, "S"	5/-	8/6
Start/Reject Knobs	3/3	5/8
Pulleys, 3, 4 Speed	4/3	7/6
MPM2, Brown Plug-in Head Shell	9/1	15/-
MPM3, White Plug-in Head Shell	12/-	20/-

Golding

	Each	Each
<b>Pick-up Arm Mouldings—</b>		
GU4	10/-	17/-
HF100	16/8	27/6
HF8, Arm only	16/8	27/6
HF8, with Pivot Assembly	26/8	44/6
RP4, with Pivot Assembly	26/8	44/6
UA6	16/8	27/6
UA8	16/8	27/6
TU9	11/3	18/6
Universal	10/-	17/-
Pick-up Rest, TU9	1/-	1/9
Pick-up Head Shell, L56/S	20/-	34/-
Pick-up Head Shell, G60	20/-	34/-
Spindles, UA6, Centre	36/8	62/6
Field Coils, Old Type	Pair 20/-	35/-
Field Coils, UA8	Pair 20/-	35/-
<b>Idler Wheels—</b>		
GU4	10/-	17/6
HF8	10/-	17/6
UA6	10/-	17/6
UA8	10/-	17/6
Lenco	20/-	33/-
Pulley, UA6, 3 Speed	5/-	8/6
Pulley, UA8, 4 Speed	5/-	8/6
<b>Knobs—</b>		
UA6, Start/Reject	3/9	6/4
UA8, Start/Reject	4/4	7/3
HF100, 3 Speed	3/9	6/4
UA6, 3 Speed	3/9	6/4
HF8, 4 Speed	4/4	7/3
UA8, 4 Speed	4/4	7/3
TU9, 4 Speed	4/4	7/3
Jockey Springs, GU4	9d.	1/3
Lever Knobs	1/3	2/3
Switches, UA8/HF8	20/-	33/6
Plastic Trip Arms	1/9	2/11

Neat

Pick-up Head Shells	3/4	5/10
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**GRAMO SPARES (25%) (Continued)**

Philips	Trade Each	Retail Each
Drive Pulley, AG2001 .....	6/6	10/9
Pick-up Arm Moulding, AG2002 .....	10/9	19/-
Pick-up Arm Moulding, AG1003 ...	10/9	19/-
Pick-up Arm Moulding Disc Jockey) .....	6/11	11/6
Idler Wheel (Disc Jockey) .....	4/9	8/-
Base Plate, AG2002 .....	8/9	14/8
Counterweight, NG1003 .....	7/2	11/9

**GRIDDIP METERS**

(See "Green" Section).

**GROMMETS (12½%)**

	Dozen	Dozen
A1, 7/32 x 5/16 .....	2/3	3/5
A2, 7/32 x 9/32 .....	2/3	3/5
A3, 9/32 x 7/16 .....	2/6	3/9
A5, 3/8 x 1/2 .....	2/4	3/6
A7, 1/8 x 7/16 .....	3/-	4/6
A9, 3/8 x 9/16 .....	3/-	4/6
A13, Lampholder, 3/8 Hole .....	2/9	4/2
A133, 5/8 x 13/16 .....	3/5	5/2
A136, 1/2 x 11/16 .....	3/5	5/2
A154, 1/8 x 11/32 .....	2/3	3/5
60H, 3/16 x 9/16 .....	1/9	2/8
63/30A, 1/8 x 3/8 .....	1/9	2/8
64/30A, 3/16 x 11/16 .....	1/9	2/8

**Grub Screws**

See under "GRA Packs" — Hardware.

**GUTTER BRACKETS (25%)**

Utilux	Dozen	Each
H570, 3/16" .....	5/4	9d.
H570, 5/32" .....	5/4	9d.

**GUYING BRACKETS (25%)**

Austenna	Each	Each
Standard .....	3/6	6/-
Corner .....	17/9	30/8

**GUY RINGS (25%)**

Austenna	Each	Each
1½", 1½", 1½", 2" .....	2/3	4/-

**GUY RING ASSEMBLY (25%)**

Austenna	Each	Each
1½", 1½" .....	12/6	22/6
1½", 2" .....	15/10	28/4

**GUY WIRE (12½%)**

	Coil	Coil
7 Strands, 18 G. .... 100ft.	13/4	20/-
7 Strands, 18 G. .... 110 yds.	34/-	51/-

**HARDWARE (12½%)**

**Bolts — Metal Thread**

**Steel Bolts — Round Head.**

	Trade Per Gross	Retail Per Gross
½" x ½" .....	3/2	4/1
¾" x ½" .....	3/4	5/1
½" x ¾" .....	3/6	5/1
¾" x ½" .....	4/-	6/1
1" x ½" .....	4/6	6/1
1½" x ½" .....	5/9	8/1
1¾" x ½" .....	6/3	9/1
2" x ½" .....	6/9	10/1
7/32" x 3/32" .....	4/6	6/1
¼" x 5/32" .....	3/9	5/1
½" x 5/32" .....	4/-	6/1
¾" x 5/32" .....	4/3	6/1
1" x 5/32" .....	4/6	6/9
1½" x 5/32" .....	5/3	7/1
2" x 5/32" .....	6/6	9/9
¼" x 3/16" .....	4/-	6/-
½" x 3/16" .....	4/6	6/9
¾" x 3/16" .....	5/-	7/6
1" x 3/16" .....	5/9	8/1
2" x 3/16" .....	7/3	10/1
½" x ¼" .....	5/-	7/6
1" x ¼" .....	6/3	9/6

**Bolts — Brass**

¼" x ½" .....	5/2	7/9
½" x ½" .....	6/3	9/6
¾" x ½" .....	7/3	10/1
1" x ½" .....	9/-	13/6
2" x ½" .....	10/9	16/2
¼" x 5/32" .....	7/-	10/6
½" x 5/32" .....	9/-	13/6
1" x 5/32" .....	12/9	19/2
¼" x 3/16" .....	10/6	15/9
½" x 3/16" .....	11/6	17/3
¾" x 3/16" .....	14/6	21/9
1" x 3/16" .....	16/6	24/9
2" x 3/16" .....	29/6	44/3

**BOLTS—T.V. RIGGING**

**"J" Bolts (Exempt)**

Skyline	Dozen	Each
PN205, Round, 5/16" x 5½" .....	16/-	1/9
PN207A, Flat, 5/16" x 5½" .....	16/-	1/9

(Complete with Nuts and Washers)

**"U" Bolts (Exempt)**

R.P.	Dozen	Each
5/16" x 3½" — Galvanised .....	13/4	1/6
5/16" x 4½" — Galvanised .....	19/4	2/5

(Complete with Nuts and Washers)

**CLIPS, PIN (EXEMPT)**

**Hoelle**

H335B, Brass Pinclips—	Per Gross	Per Gross
No. 1 .....	7/-	8/9
No. 2 .....	7/7	9/7
No. 3 .....	8/11	11/2

**HARDWARE (Continued)**

**CLIPS, STRAP (EXEMPT)**

**Hoelle**

H162A, Aluminium—

	Trade Per Gross	Retail Per Gross
No. 1	3/-	3/7
No. 2	3/3	3/11
No. 3	3/8	4/5

**Loxins**

	Dozen	Dozen
1/2" x 1 1/2"	16/-	24/-
3/8" x 2"	20/-	30/-

**Nuts—Steel—Hex. (12 1/2%)**

	Per Gross	Per Gross
1/2"	3/-	4/6
5/32"	3/3	4/11
3/16"	3/6	5/3
1/4"	4/-	6/-

**Nuts—Brass (12 1/2%)**

1/2"	6/6	9/9
3/32"	6/9	10/2
5/32"	8/-	12/-
3/16"	9/9	14/8
1/4"	15/-	22/6

**Nuts—Galvanised (12 1/2%)**

5/16"	18/-	27/-
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**Coach Screws—Hex. (12 1/2%)**

	Dozen	Dozen
1 1/2" x 3/8" — Black	3/-	4/6
1 1/2" x 1/2" — Black	2/6	3/9
2" x 1/2" — Black	3/-	4/6
2 1/2" x 1/2" — Galvanised	6/-	9/-

**G.R.A. PACKAGED GOODS (12 1/2%)**

Pack No.	Description	Qty.	Pkt.	Pkt.
1	Solder Lugs, DE, 1/2"	100	2/2	3/3
2	Solder Lugs, DE, 3/16"	100	2/2	3/3
3	Solder Lugs, DE, 1/4"	100	3/3	4/11
4	Solder Lugs, SE, 1/2"	100	2/2	3/3
5	Solder Lugs, SE, 5/32"	100	2/2	3/3

**Shakeproof Washers**

6	Internal Tooth, 1/2" or 4BA	100	2/3	3/6
8	Internal Tooth, 5/32" or 3BA	100	2/6	3/9
10	Internal Tooth, 3/16" 2BA	100	2/6	3/9

**Washers**

12	Felt, 5/8" x 1/2" x 1/8"	36	3/-	4/6
14	Fibre, 1/2" x 5/32" x 1/16"	36	2/6	3/9
23	Bakelite, 1/2" x 5/32" x 3/16"	36	2/6	3/9

**HARDWARE (Continued)**

**Grub Screws**

Pack No.	Description	Qty.	Trade Per Pkt.	Retail Per Pkt.
15	1/2" L x 5/32" W	36	4/-	6/-
16	1/2" L x 3/16" W	36	4/6	6/9

**P.K. Screws (12 1/2%)**

	Per Gross	Per Gross
17 Type A, Binding Hd., 1/2" x 6	144	6/8 10/-
18 Type A, Binding Hd., 1/2" x 6	144	6/8 10/-

**Scruins (12 1/2%)**

	Dozen	Dozen
3/4" x 6-8 g.	2/6	4/-

**TERMINALS AND LUGS (12 1/2%)**

**Hoelle**

	Per Gross	Per Gross
H131, 3/16" Soldering Lug	7/8	11/4
H131W, 3/16" Washer	5/7	8/4
H162A, No. 1, Strap Clip (exempt)	3/-	3/7
H162A, No. 2, Strap Clip (exempt)	3/3	3/11
H162A, No. 3, Strap Clip (exempt)	3/8	4/5
H194, 3/16" Solderless Lug	24/4	36/6
H194W, 3/16" Washer	6/9	10/2
H195, 3/4" Solderless Lug	24/4	36/6
H195W, 1/2" Washer	6/9	10/2
H197, 3/16" Lug	4/7	6/10
H197W, 3/16" Washer	2/9	4/2
H222, 1/2" Slotted L.T. Terminal	8/9	13/2
H226, 5/16" Slotted Term. End	38/8	58/-
H231, 3/16" L.T. Terminal	7/8	11/6
H231C, 3/16" L.T. Terminal	8/-	12/-
H232, 3/16" L.T. Terminal	8/8	13/-
H232A, 3/16" L.T. Terminal, 22 G.	10/2	15/2
H233, 1/2" L.T. Terminal	18/-	27/-
H236, 1/2" L.T. Terminal	23/2	34/8
H237, 1/2" L.T. Terminal	4/10	7/2
H238, 3/16" L.T. Terminal	4/10	7/2
H240, 5/32, Slotted Terminal	8/6	12/8
H242, 3/16, Slotted Terminal	8/6	12/8
H242C, 3/16" Hook Slot L.T. Terminal	8/6	12/8

	Per 1000	Per 1000
H254, 1/2" Steel Lug, S.E.	8/9	13/2
H255, 5/32" Steel Lug	8/9	13/2

	Per Gross	Per Gross
H290, 8BA L.T. Terminal	4/-	6/-
H613, L.T. Terminal Assortment	11/6	17/2
H764, 1/2" Slotted Terminal	9/8	14/6
H767S, 5/32" Terminal	5/4	8/-
H903, 7/32" Cable Clip	23/4	35/-

**THIMBLES (12 1/2%)**

	Dozen	Each
PN211, 1/2" (Small)	7/6	1/-
R/P, 5/8" (Large)	9/-	1/2

Trade Per Gross	Retail Per Gross
3/2	4/9
3/4	5/-
3/6	5/3
4/-	6/-
4/6	6/9
5/9	8/8
6/3	9/5
6/9	10/2
4/6	6/9
3/9	5/8
4/-	6/-
4/3	6/6
4/6	6/9
5/3	7/1
6/6	9/9
4/-	6/-
4/6	6/9
5/-	7/6
5/9	8/8
7/3	10/11
5/-	7/6
6/3	9/6
5/2	7/9
6/3	9/6
7/3	10/11
9/-	13/6
10/9	16/2
7/-	10/6
9/-	13/6
12/9	19/2
10/6	15/9
11/6	17/3
14/6	21/9
16/6	24/9
29/6	44/3

Dozen	Each
6/-	1/9
6/-	1/9
3/4	1/6
19/4	2/5

Gross	Per Gross
7/-	8/9
7/7	9/7
8/11	11/2

# 34 Headphones—Indicators

## HARDWARE (Continued)

Turnbuckles (12½%)	Trade Each	Retail Each
<i>Rapar</i> 5/16", Hook and Eye .....	6/3	9/6
<i>Ripley</i> ¼", Hook and Eye .....	4/-	6/6

### Washers — Brass

	Per Gross	Per Gross
½" x ⅜" x 21 swg. ....	2/8	4/-
5/32" x ⅜" x 21 swg. ....	2/8	4/-
3/16" x ½" x 21 swg. ....	4/2	6/3
¼" x 9/16" x 19 swg. ....	6/-	9/-

### Washers — Galvanised

	Per Gross	Per Gross
5/16" Flat .....	5/8	8/6

## HEADPHONES (25%)

	Each	Each
Brown's Type "F" .....	60/-	100/-
Erpees .....	23/9	39/6
Q Plus .....	26/10	41/-
S.F.24 .....	18/9	32/6
S.F.58 (Stethoscope) .....	24/-	39/6
S.F.58 (Stethoscope), with Plug and Jack .....	26/-	42/-

### Headphone Cord

Headphone Cord .....	7/9	13/7
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### Headphone Tips

	Dozen	Dozen
No. 149 (Pressed) .....	1/8	2/6

## HYDROMETERS (EXEMPT)

	Each	Each
Ormiston .....	8/-	10/-
Ormiston Floats .....	2/3	2/10
Ormiston Glass Barrels .....	1/7	2/1
Vesta "S.O.S." .....	4/9	7/6

## IGNITION ANALYSERS

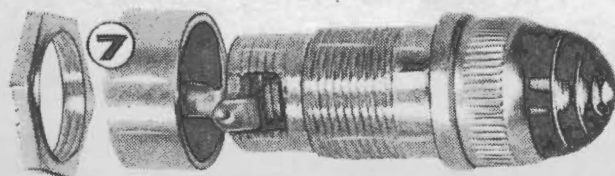
## IMPEDANCE TESTERS

## INFRA-RED SENSORS

## INSULATION TESTERS

## IONIZATION TESTER

(See "Green" Section).



EMA PILOT INDICATOR.

## INDICATORS

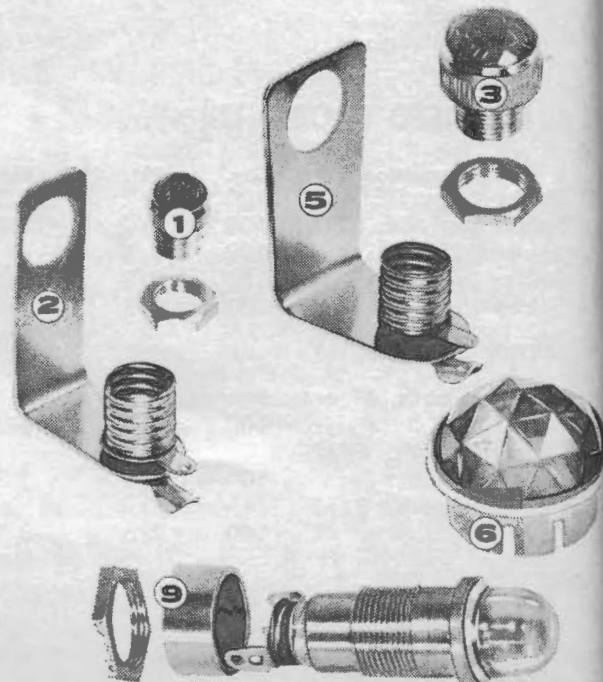
### Pilot Indicators (Bezels) (Exempt)

	Trade Each	Retail Each
1. E.M.A. Type FM, Miniature Facetted Plastic Jewel in Brass Bezel with Nut, ⅜" Mounting Hole. Colors: Red, Green, Amber, Clear .....	1/11	2/8
2. E.M.A. Type FM, Back Loading Bracket with M.E.S. Holder for use with FM Bezel .....	2/1	2/1
3. E.M.A. Type C, Plastic Lens in Brass Bezel with Nut, ½" Mounting Hole. Colors: Red, Green, Clear, Amber, Blue .....	3/-	4/-
5. E.M.A. Type C, Back Loading Bracket with M.E.S. Holder for use with "C" Bezels .....	2/1	2/1
6. E.M.A. Type E, Facetted Plastic Jewel in Plated Bezel for 1" Clearance Hole. Colors: Red, Green .....	4/-	5/4

### Pilot Light Assemblies—Front Loading Type (Exempt)

With M.E.S. Holders, for Low Voltage Tubular Lamps.

7. E.M.A. Type C, Plastic Lens in Brass Bezel, Diecast Body, ⅜" Mounting Hole. Colors: Red, Green, Clear, Amber, Blue .....	6/3	8/4
As above, M.B.C. ....	6/9	9/-
9. E.M.A. Type N, Clear Domed Plastic Lens, Plated Brass Body, ⅜" Mounting Hole; M.B.C. Holder for NE51 Neon, and Filament Lamps .....	6/9	9/-



EMA PILOT INDICATORS.

## INDICATORS (Continued)

Trade Each	Retail Each		Trade Each	Retail Each
		<b>T.M.S. (Exempt)</b>		
		Front Loading, Red, Amber, Green	3/9	5/-
		<b>Zephyr (Exempt)</b>		
1/11	2/8	122, Front Loading	3/10	5/2
		<b>LUMOLITES (12½%)</b>		
			<b>Each</b>	<b>Each</b>
		FP3, Red	7/1	9/11
		PL2, Neon	9/7	13/7
3/-	4/-	PL2, Red, Yellow, Green, Blue	11/9	16/7
		PL3, Neon	11/9	16/7
		PL3, Red, Yellow, Green, Blue	13/4	18/8
		<b>H.P.M. Neon Indicator (Exempt)</b>		
		Cat. No. 6, Red, Rating .2 Watt, 240V.	6/11	8/8

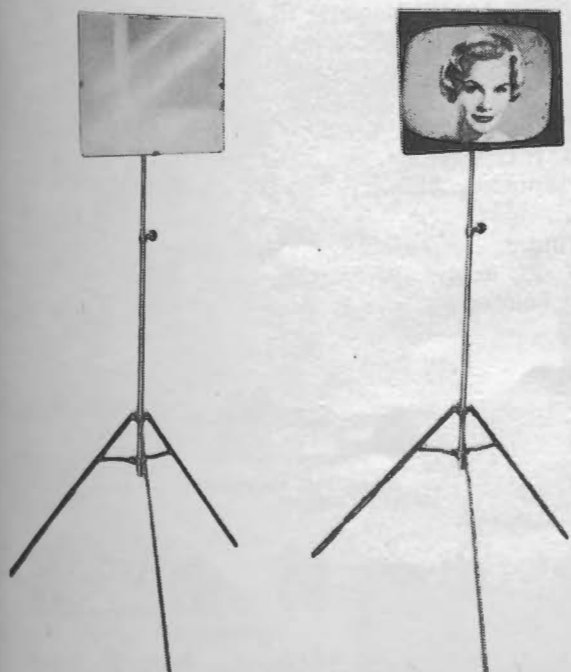
ding Type

### Indicators—Stereo Level

See under "Amplifiers, Etc."

### INDICATOR PLATES (12½%)

Trade Each	Retail Each		Each	Each
6/3	8/4	E.M.A., 0-39 d.b. (for use with MIK2/F Knobs)	3/9	5/9
6/9	9/-	Metal, 0-10, 2½" x 2½", Inscribed: Tone, Pre-Amp., Radio, Volume, Microphone, Treble, Bass, Pickup	1/6	2/4
6/9	9/-	Metal, 0-180, 2½" x 2½", Plain	1/6	2/4



PORTABLE T.V. SERVICE MIRROR.

## INSPECTION MIRROR (12½%)

	Trade Each	Retail Each
Servicemen's T.V. Service Mirror, Adjustable, Height 27" Collapsed, 51" Extended	50/8	76/-
Spare Mirror Only	12/-	18/-

## INSULATORS (25%)

### RADIO

	Dozen	Each
Egg Type, Porcelain	4/6	8d.

### T.V.—STANDOFF

#### Antiference

	Dozen	Each
Type "A", Nail	9/9	1/4
Type "B", Mast, Inc. Clamp	12/-	1/8
Type "C", Wood Screw	8/9	1/3
Type "D", Metal Thread	6/11	1/-

#### Skyline

PN213, 3½" x 3/16", Metal Thread	5/-	9d.
PN213, 3½" x 5/32", Metal Thread	5/-	9d.
PN214, 3½" x 3/16", Wood Screw	6/2	10d.
PN217, 5½" x 3/16", Metal Thread	7/2	1/-
PN218, 5½" x 3/16", Wood Screw	6/8	11d.

#### Utilux

H580, 5" Drive In (Nail)	6/4	10d.
H582, 3½", Wood Screw	4/-	7½d.
H582, 5½", Wood Screw	4/6	8d.
H582, 7½", Wood Screw	5/2	9d.
H586, "A", 3½" x 5/32", Metal Thread	4/5	8d.
H586, "C", 3½" x 3/16", Metal Thread	4/5	8d.
H586, "D", 5½" x 3/16", Metal Thread	5/1	9d.
H586, "E", 7½" x 3/16", Metal Thread	5/6	10d.
H579, Insulator, Insert Only	1/9	3d.

#### Standoff Insulators for Open Wire Feeder

Metal Thread	7/6	1/1
Wood Screw	7/6	1/1

## ADDITIONS

**INVERTERS (12½%)**

**ROTARY TYPE**

**Davey**

D.C. Input to 240 Volts A.C. 50 Cycle Output.

Watts Output	Voltage Input	Trade Each		Retail Each	
*125	32, 110, 230	£32	8 0	£40	1 0
*200	32, 110, 230	37	16 0	46	14 6
*250	32, 110, 230	40	10 0	50	1 3
500	32, 110, 230	47	0 6	58	2 6

\*Suppressors fitted to D.C. Input.

225 or 250 Watt Control Board to Suit T.V. or Radiogram	18	0	0	22	5	0
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**VIBRATOR TYPE**

**Van Ruyten**

Type	In	Out	Watts	Each		Each	
58FF	32	230	100	£19	3 5	£27	19 2
58FF	32	230	125	20	7 6	29	14 3
58FF	32	230	150	22	15 6	33	4 3
58FF	12	230	100	20	7 6	29	14 3
58FF	110	230	100	20	7 6	29	14 3
58FF	110	230	150	23	19 6	34	19 3
58FF	230	230	100	20	7 6	29	14 3
58FF	230	230	150	23	19 6	34	19 3
58TV	32	230	200	24	18 0	36	6 4
58TV	110	230	200	26	2 0	38	1 3
58TV	230	230	200	26	2 0	38	1 3
32140	6	230	40	9	8 0	13	12 6
32140	12	230	40	9	8 0	13	12 6
32140	32	230	40	9	8 0	13	12 6
12TR	12	230	100	13	19 0	20	7 6
Spare Vibrators — All Voltages				3	9 4	5	0 0

**Auto-Verta (12½%)**

Suitable Stenorette, 4 Valve Radio, etc.—

6v. D.C. — 230v. A.C.							
40 W.	9	6	0	13	15	0	
12v. D.C. — 230v. A.C.,							
40 W.	9	6	0	13	15	0	

**Valradio**

Replacement Vibrator Cartridge for Valradio Inverters — 32v.

PP32/50P, 50 Cycle, 100 Watts	6	5	11	9	9	0
PP32/50DP, 50 Cycle, 150 Watts	8	6	8	12	10	0

**SHAVER CONVERTERS**

See under "Shavers", Electrical Section.



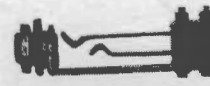
Bulgin J12, Normally Closed



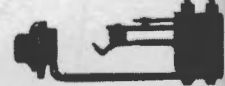
Bulgin J13, S.P. Change Over



Bulgin J15, D.P. Change Over



Bulgin J16, D.P. Both Insulated



Bulgin J17, Normally Open

**TRANSISTOR CONVERTER**

**A & R**

	Trade Each	Retail Each
PS21, Transistor DC-DC Converter	£21 6 0	£32 0

**JACKS (12½%)**

	Each	Each
Acme, C20-2, SC, Short Type	4/2	6/3
Bulgin J12, Normally Closed	5/1	7/8
Bulgin J13, S.P. Change Over	7/3	10/1
Bulgin J15, D.P. Change Over	7/5	11/2
Bulgin J16, D.P., Both Insulated	5/10	8/4
Bulgin J17, Normally Open	7/3	10/1
Bulgin J18, Normally Closed	7/3	10/1
Bulgin J30, Miniature	4/9	7/2
T.M.S., T204D, Miniature	1/2	1/1
T.M.S., T204E, Miniature	1/2	1/1
T.M.S., T531, Large Barrel, Line	3/9	5/4
Zephyr, 142, Shielded, Single Circuit, Cord or Panel Type	13/9	18/4

**KITS**

See under—

"Chassis Kits" for Basic Amplifier Chassis.

**KNOBS**

(See Illustrations, next page).

**INSTRUMENT (12½%)**

**Aegis**

	Each	Each
MV1, 3", Round, Black	9/-	13/-
MV1/F, as above, with Skirt	10/6	15/-
MV2, Pointer, White Lined	1/-	1/6
MV3, Round, 1½" Diameter	2/-	3/-
MV7, Pointer, Heavy Duty	2/-	3/6
MV8, Pointer	1/1	1/1

**Bar**

10534, H.D., Pointer	3/-	5/-
Large Knurled, 2¼"	5/4	8/3

**Goldring**

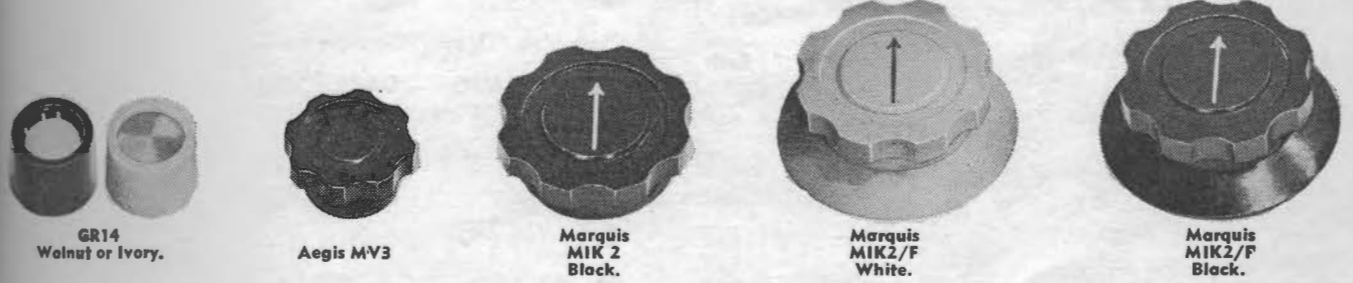
No. 9, 2", Round, W/Skirt	2/3	4/-
No. 7, Pointer	1/6	2/6



Bulgin J18, Normally Closed

## TER

Trade Each	Retail Each
6 0 £32 0	
Each	Each
4/2	6/3
5/1	7/8
7/3	10/11
7/5	11/2
5/10	8/9
7/3	10/11
7/3	10/11
4/9	7/2
1/2	1/11
1/2	1/11
3/9	5/9



Each	Each
9/-	13/-
10/6	15/-
1/-	1/6
2/-	3/-
2/-	3/6
1/1	1/10
3/-	5/-
5/4	8/3
2/3	4/-
1/6	2/6

# 38 Knobs—Lamps

## KNOBS (Continued)

### Instrument (12½%) (Continued)

Marquis	Trade Each	Retail Each
MIK2, Round, 1⅜", White Lined ...	3/-	5/-
MIK2/F, as above, with Skirt, Black .....	4/6	6/9
MIK2/F, White .....	4/6	6/9
MIK5, Small Pointer .....	1/-	1/8
MIK6, Medium Pointer .....	1/1	1/10
MIK9, Lever Type .....	1/3	2/-

### Steanes—Philips

Small Pointer .....	1/4	2/3
Large Pointer .....	1/5	2/5
Round, 1½", W/Skirt, 0-9 .....	4/3	7/3

### Zephyr

138, Knob, Round with Pointer, Raised Centre Section, Black ...	1/6	2/-
138A, Ditto — White .....	1/7	2/2
139, Flange for 138 or 138A, Numbered 1—12, 360°, Black .....	1/7	2/2
139A, Ditto — White .....	1/8	2/3
140, Flange for 138 or 138A, Numbered 0—10, 360°, Black .....	1/7	2/2
140A, Ditto — White .....	1/8	2/3

## TUNING (25%)

A.C.A.	Dozen	Each
Walnut or Ivory, with Gold Inset	18/-	2/6

### Aegis

MV4, Walnut, Black .....	12/-	1/7
MV4, Ivory .....	12/-	1/7
MV6, Walnut, Black .....	9/-	1/3
MV6, Ivory .....	9/-	1/3
MV9, Walnut, 2" .....	18/-	2/6
MV9, Ivory, 2" .....	18/-	2/6
MV11, Walnut, Ivory, 1" .....	12/-	1/7

### Goldring

	Dozen	Each
Walnut, 2—8, 12 .....	7/-	1/-
Ivory, 2—8, 12 .....	9/-	1/3
No. 11 (Gold Inset) .....	12/-	1/9
No. 14 (Gold Inset) .....	18/-	2/6

### Jabel

	Each	Each
Knob-Dial .....	11/8	17/6
Transistor Set Knob Kit .....	10/-	17/-

## TUNING KNOBS (25%) (Continued)

### O.K.W.

	Trade Each	Retail Each
10228, Small, Walnut .....	2/1	3/6
10228, Small, Champagne .....	2/5	3/6
20050, Medium, Walnut .....	2/3	3/6
10350, Large, Walnut .....	3/6	6/0
20052, Midget, Ivory .....	1/9	2/0
10280, Medium, Ivory .....	3/-	5/1
10658B/659 Channel Selector Knob, W/Numerals .....	10/-	16/0
10658/659, Plain .....	9/3	16/0

### Q Plus

KTCS/1, T.V., Tuner .....	7/4	12/0
KTDP/1, T.V., Plain .....	7/4	12/0

### Sato.

1515, Midget, Cream .....	1/-	1/10
2425, Small, Cream .....	1/10	3/0
2536, Medium, Cream .....	1/10	3/0
110, Large, Cream .....	2/3	4/0

### S.M.K.

S418, Large Walnut, Gold Inset ...	1/10	3/0
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## FELT WASHERS FOR KNOBS

	Pkt.	Pkt.
GRA, Pack of 36 (No. 12) .....	3/-	4/0

## LAMPS

(See also "Green" Section for—

LAMPS — DARKROOM  
ENLARGING  
EXCITER  
PHOTOFLOOD  
PROJECTION)

### Auto (16⅔%)

	Box 10	Ead
No. 63, 6/8v., 3 C.P., S.C., Tail .....	10/-	1/10
No. 67, 12/16v., 3 C.P., S.C., Tail .....	11/-	1/10
No. 622, 28v., 3 C.P., D.C. .....	10/-	1/10

### Bell, Cycle (12½%)

	Box 10	Ead
8v., for Federal "Dixielite" Bell Press .....	10/-	1/10
No. 1482, 6v., .45A, M.E.S., Head .....	8/4	1/10
No. 1483, 6v., .04A, M.E.S., Tail .....	8/4	1/10

### Flashlight, Lantern (8⅓%)

	Box 10	Ead
No. 14, 2.5v., .3A, M.E.S., Focus ...	5/-	9d
No. 13, 3.8v., .3A, M.E.S., Focus ...	5/-	9d
No. 31, 6.2v., .3A, M.E.S., Focus ...	8/4	1/4
No. 112, 1.1v., .22A, M.E.S., Lens Tip .....	8/4	1/4
No. 222, 2.2v., .22A, M.E.S., Lens Tip .....	9/2	1/6



(Continued)

**LAMPS (Continued)**  
**Flashlight, Lantern (8 1/3%) (Continued)**

Trade Each	Retail Each		Trade Box 10	Retail Each
2/1	3/8			
2/5	4/8	No. PR2, 2.4v., .5A, Pre-Focus .....	8/4	1/4
2/3	3/8	No. PR3, 3.6v., .5A, Pre-Focus .....	8/4	1/4
3/6	6/8	No. PR12, 6.2v., .5A, Pre-Focus .....	8/4	1/4
1/9	2/8	No. 27, 4.5v., .3A, M.E.S., Lan-		
3/-	5/8	tern .....	8/4	1/4
		No. 28— 5.5v., .3A, M.E.S., Lantern	8/4	1/4
10/-	16/9	2.5v., Flashing Lantern .....	16/3	2/6
9/3	16/-	6v., Flashing Lantern .....	16/3	2/6
		No. ER2174, 4.75v., Eveready		
		2540 Lantern .....	6/9	1/-
		No. ER1414, 2.5v., .3A, Pre-Focus	5/1	9d.

**Neon (Exempt)**

	Each	Each
G.E. Edison Leon Lamp, M.B.C., 105/125v., Cat. No. 51 .....	3/9	5/8

**Radio Pilot (25%)**

		Box 10	Each
No. 48, 2v., .06A, Tubular, M.E.S. ....		6/8	1/2
No. E10, 4v., .25A, Tubular, M.E.S. ....		6/8	1/2
No. 40, 6/8v., .15A, Tubular M.E.S. ....		6/8	1/2
No. 44, 6/8v., .25A, Tubular, M.B.C. ....		6/8	1/2
No. 46, 6/8v., .25A, Tubular, M.E.S. ....	Per 100	Box 10 57/6	1/2 Each 6/8
No. 50, 6/8v., 1 C.P., Round, M.E.S. ....		7/6	1/4
No. 51, 6/8v., 1 C.P., Round, M.B.C. ....		7/6	1/4
No. 54, 12/16v., 2 C.P., Round, M.E.S. ....		7/6	1/4
No. 53, 12/16v., 2 C.P., Round, M.B.C. ....		7/6	1/4

**LAMP HOLDERS (25%)**

(See also Electrical Section).

**Pilot**

	Dozen	Each
Metal, Plain, M.E.S. ....	6/-	1/-
Metal, Plain, M.B.C. ....	11/-	1/7
Metal, with Clip, M.E.S. ....	9/-	1/4
Metal, with Clip, M.B.C. ....	14/-	2/-
Bakelite, Batten, M.E.S. ....	20/-	2/8

**Lampholder Grommets**

(See under Grommets).

Box 10	Each
10/-	1/9
11/-	1/10
10/-	1/9
Box 10	Each
10/-	1/9
8/4	1/4
8/4	1/4
Box 10	Each
5/-	9d.
5/-	9d.
8/4	1/4
8/4	1/4
9/2	1/6



**Lead-Ins**

(See under "Aerials — Auto").

**Leads, Test**

**Leakage Measuring Instruments**

(See "Green" Section).

**Levels—Stereo Indicator**

(See under "Amplifiers — Accessories").

**LIGHTNING ARRESTORS (25%)**

**Radio**

	Trade Each	Retail Each
Marquis, MLA1 .....	2/11	4/9
Marquis, MLA2, W/Switch .....	5/3	8/11

**Light Meters**

**Light Sensors**

(See "Green" Section).

**Line Filters**

(See under "Filters").

**Loudness Controls**

(See under "Potentiometers").

**Loxins**

(See under "Hardware").

**Lugs, Cable**

(See under "Hardware").

**Lumolites**

(See under "Indicators").

**Mains Filters**

(See under "Filters").

**MASTS — T.V.**

**ALUMINIUM ALLOY (EXEMPT)**

	Trade Each	Retail Each
6' x 1" .....	16/6	22/-
8' x 1 1/2" .....	28/8	38/3
10' x 1 1/2" .....	40/10	54/6
12' x 2" .....	67/-	89/3
16' x 2" .....	87/-	114/-

# 40 Masts—Microphones

## MASTS (Continued)

GALVANISED STEEL (EXEMPT)	Trade Each	Retail Each
6' x 1" .....	9/-	12/-
8' x 1½" .....	16/-	21/6
10' x 1½" .....	26/8	35/6
20' x 1½" .....	49/6	66/-
12' x 2" .....	51/-	68/-

## MASTS—TELESCOPIC (EXEMPT)

### Antiference

Steel—				£4	7	0	£7	12	3
20', Rigging Kits Included				6	9	0	11	5	9
30' " " "				8	15	6	15	3	3
40' " " "				11	14	0	19	1	0

### Austenna

Steel—				3	16	0	5	1	4
20', Rigging Kits Included				5	18	9	7	18	4
30' " " "				8	2	7	10	16	9
40' " " "				10	13	9	14	5	0

### Skyline

Steel—				4	8	6	7	14	6
20', Rigging Kits Included				6	7	4	11	7	6
30' " " "				8	12	8	15	6	9
40' " " "				11	10	0	19	9	6

## MASTS — TOWERS (Exempt)

### Antiference

Rotamatic Self-winch Towers designed for Fringe T.V. Reception, Two-way Radio and 'Phone Installations in Two, Three or Four Stage Sections to a Maximum Height of 80 feet.

	Trade Each	Retail Each
3 Section (25' each Section), Extended Height, 80' .....	£45 0 0	£60 0 0
4 Section (16' each Section), Extended Height, 67' .....	41 10 0	55 6 8
4 Section (12' 6" each Section), Extended Height, 57' .....	39 10 0	52 13 4

All Towers with Base Plate, "D" Clamps, Pins and 180° Turning Bar for Orientation.

Galvanised — £5 each extra.  
TO SPECIAL ORDER ONLY.

## MAST CAPS (Exempt)

Skyline	Dozen	Each
PN222, 1" .....	5/4	7d.
PN223, 1½" .....	6/-	8d.

## MAST EXTENSION UNIT (25%)

	Trade Each	Retail Each
N.W.S. — For extending Masts of 1" Diam. to 2" Diam. ....	19/6	30/6

## MAST STRAPS (12½%)

	Dozen	Dozen
Austenna .....	5/3	8/6
Utilux, H589 .....	5/3	8/6

## MATRIX BOARD SYSTEM

Prices on application for —  
Matrix Boards  
Pins  
Valve Sockets  
Eyelets, Etc.

## METERS

(See also "Green" Section)

### Ferrocart

	Each	Each
Tech Multimeter, 1000 Ohms. per Volt Movement .....	47/3	65/6

## MICRO SWITCHES

(Refer "Green" Section)

## MICROPHONES (12½%)

(See following Pages for Illustrations)

Acos	Trade Each	Retail Each
MIC28, Crystal, Lapel .....	£3 19 8	£5 19 6
MIC39, Crystal, Desk, Less Stand .....	5 6 4	7 19 6
MIC40, Crystal, Hand .....	2 13 0	3 19 6
VP1, Contact, for Guitars .....	5 3 4	7 15 6

### B. & O.

BM4, Pencil Ribbon Mike, 50, 250, 40K Ohms. ....	30 2 10	43 19 6
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### Goldring

LM1, Crystal, Lapel .....	1 2 6	1 15 6
M124, Crystal, Hand or Desk, Folding Easel Stand .....	1 15 0	2 10 6
DM173T, Dynamic Pocket Mike, 10K or 50K Ohms. Impedance; can be used as Telephone Adapter .....	2 16 0	4 16 6

### Neat

CM100, Crystal, Pencil .....	1 16 9	2 15 6
TM10S, Hi Imp., Dynamic, Pencil (50 or 50K. Ohms.)	4 17 0	7 5 6

### Piezo

BM3, Crystal, Pencil, with On/Off Switch .....	2 10 0	3 15 6
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**MICROPHONES (12½) (Continued)**

**Rapar**

	<b>Trade</b>		<b>Retail</b>
	<b>Each</b>		<b>Each</b>
CM030, Crystal, Lapel Mike with Clip .....	£0 19 6		£1 10 0

**Ronette**

B110, Torpedo .....	2 11 4		3 19 6
GS210, Crystal, with On/Off Switch (for P.A.) .....	6 8 4		9 19 0

Other Ronette Types to Order.

**Zephyr**

3XA, General Purpose, Hand Type, Crystal, for Recorders, etc. ....	1 16 1		2 7 9
3XAC, General Purpose, Hand Type, Crystal, for connection direct into "Pick-up" Input on Radiogram Receivers .....	2 2 11		2 16 11
4XA, General Purpose, Hand or Stand Type, Crystal, for Tape Recorders .....	3 18 2		5 3 7
5XA, Crystal, Omni-directional, Hand or Stand Type	4 4 5		5 11 7
7XA, General Purpose, Hand Type, Crystal, for Recorders, etc. ....	3 17 6		5 2 8
8XA, General Purpose, Crystal, Hand or Stand Type, Tilting Head with Handle	5 9 5		7 5 0
12XAB, General Purpose Lapel Type, Crystal .....	2 14 5		3 12 2
14CS, Carbon Hand Microphone, Single Button Insert with On/Off Switch, P. to T. ....	3 2 6		4 2 10
20MD, High Quality Dynamic, for close talking, commentator purposes, etc. ....	21 17 6		28 19 8
30RA Ribbon, for P.A., Studio or Recording — Grid .....	14 5 0		18 17 8
30RD, 50 Ohms. ....	13 7 6		17 14 5
40RA, High Grade Ribbon, for Studio or Recording — Grid .....	19 11 11		25 19 4
40RD, 50 Ohms. ....	19 11 11		25 19 4
65MA, General Purpose Dynamic, for P.A. — Grid .....	7 18 5		10 9 11
65MD, 50 Ohms. ....	6 16 3		9 0 6
66MD, for P.A. specially — 50 Ohms. ....	6 19 5		9 4 9
67MD, for Communications, 2-way Radio — 50 Ohms. ...	6 19 5		9 4 9
80MA, High Quality Dynamic, for Recording — Grid .....	14 16 11		19 13 5
80MD, 50 Ohms. ....	13 11 11		18 0 4

**ZEPHYR MICROPHONES (12½) (Continued)**

	<b>Trade</b>		<b>Retail</b>
	<b>Each</b>		<b>Each</b>
90MA, General Purpose Dynamic, for P.A. — Grid (Swivel Head) .....	9 18 9		13 3 4
90MD, 50 Ohms. ....	8 15 11		11 13 1
95MA, General Purpose Dynamic, for P.A., Small Cage, Fixed Head — Grid .....	8 13 2		11 9 6
95MD, 50 Ohms. ....	7 10 0		9 18 9

**MICROPHONE INSERTS (12½)**

**Acos**

	<b>Each</b>		<b>Each</b>
MIC43 (replaces MIC19/4) .....	1 17 0		2 15 6
MIC38 (for MIC39) .....	3 6 4		4 19 6

**Zephyr**

1XA, Crystal, with Flange .....	33/9		44/9
1XA, Crystal, Flangeless (as used in 4XA, 5XA, 7XA, 8XA, 12XA Microphones .....	33/9		44/9
6XA, Crystal, as used in 3XA Microphones .....	23/6		31/-
11XA, Crystal, as used in 3XAC Microphones .....	28/5		37/8

**MICROPHONE ACCESSORIES (12½)**

**Acos**

	<b>Each</b>		<b>Each</b>
MIC39, Mike Stand Adaptor ...	£1 3 4		£1 15 0

**Piezo**

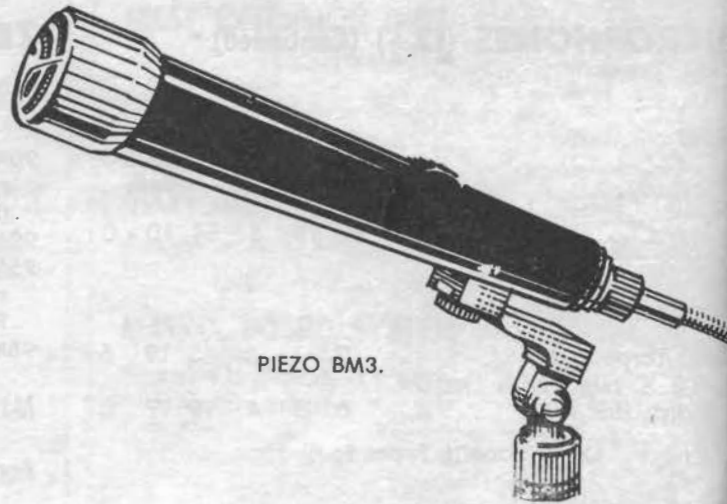
Table Stand for BM3 Mike .....	0 16 0		1 5 0
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**Zephyr**

102, Tristand, 3-6' Extension	3 18 5		5 3 11
106, Banquet Stand, Tri. Base, Adjustable 15-30" ..	2 16 3		3 14 6
109, Desk Stand, 3" x 1" .....	0 15 8		1 0 10
110, Desk Stand, 3" x 3" .....	0 15 8		1 0 10
115, Desk Stand, 5" x 6" .....	0 18 5		1 4 5
116, Floor Stand, 3-6' Extension, Heavy Base .....	5 12 6		7 9 1
118, Swivel, ⅜", 26 T.P.I. (Male and Female Ends) .....	0 15 4		1 0 3
119, Swivel, ⅜", 26 T.P.I. Female, ½" Male, Special Thread for original 3XA Cage .....	0 16 7		1 1 11
125, Mini-Tri Stand Base ...	0 8 9		0 11 7
126, Mini-Tri Stand Tube, 1" .....	0 2 1		0 2 9
127, Mini-Tri Stand Tube, 4" .....	0 3 7		0 4 10
127A, Mini-Tri Stand Tube, 6" .....	0 3 9		0 5 0
128, Mini-Tri Stand Tube, 9" .....	0 4 5		0 5 11
129, Flexible Tube Arm, 9" ..	1 1 11		1 9 2
129A, Flexible Tube Arm, 18" .....	1 17 6		2 9 8



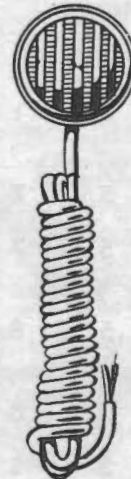
NEAT TM10S



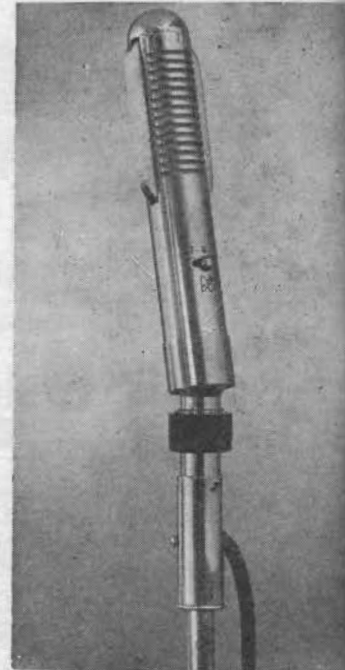
PIEZO BM3.



NEAT CM100.



CM030



B. & O. BM4.

**ZEPHYR MICROPHONE  
ACCESSORIES (12½%) (Continued)**

	Trade Each		Retail Each	
132, Stand Adaptor, 2" Overall .....	0	6 9	0	8 11
133, Rubber Shock Mount, Light Duty .....	0	18 9	1	4 10
134, Rubber Shock Mount, Medium Duty .....	1	4 8	1	12 8
136, Switch Block Mounting, with Switch .....	1	19 1	2	11 9
153, Desk Stand, Oval, with P.M.G. Key Switch, with 4", No. 127 Chrome Tube .....	4	1 3	5	7 8
174, Desk Stand, Round, 6", with P.M.G. Key Switch, with 4" No. 127 Chrome Tube .....	4	1 3	5	7 8

**ZEPHYR MICROPHONE  
ACCESSORIES (12½%) (Continued)**

	Trade Each		Retail Each	
186, Wall Mounting Plate, Round, 2¼" .....	0	17 6	1	3 2
209, Cable Stand Clip, to fit ½" Tube .....	0	2 9	0	3 8
210, Cable Stand Clip, to fit ⅝" Tube .....	0	2 9	0	3 8
211, Cable Stand Clip, to fit ¾" Tube .....	0	2 9	0	3 8

**MICROPHONE CABLE**

(See under "Wires & Cables").

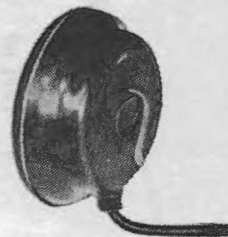
# ZEPHYR MICROPHONES



"A" CRYSTAL



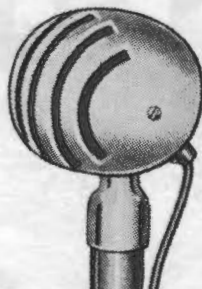
TYPE 3XA and TYPE 3XAC. CRYSTAL



"12 XAB" CRYSTAL



"4XA" CRYSTAL



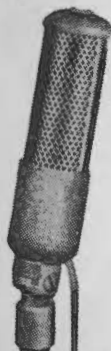
"10XA" CRYSTAL



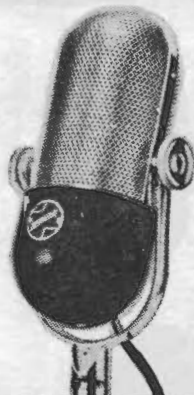
"5XA" CRYSTAL



"7XA" CRYSTAL



"30" SERIES VELOCITY



"40" SERIES VELOCITY



"55" SERIES VELOCITY



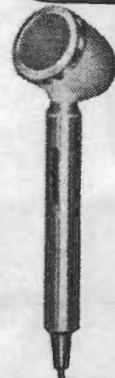
"60" SERIES DYNAMIC



"70" SERIES DYNAMIC



"75" HAND DYNAMIC



"14CS" CARBON



"65" SERIES DYNAMIC



"80" SERIES DYNAMIC



"90" SERIES DYNAMIC



"95" SERIES DYNAMIC

BM4.

ued)

Model	Retail Each
6 1 3 2	
9 0 3 8	
9 0 3 8	
9 0 3 8	

# ZEPHYR STANDS



TYPE 104



TYPE 105



TYPE 110



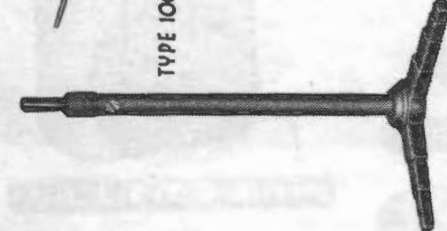
TYPE 109



TYPE 115



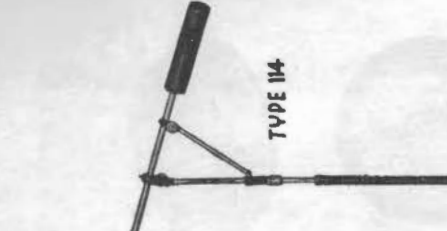
TYPE 111



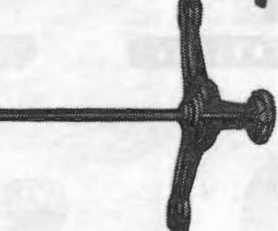
TYPE 106



TYPE 116



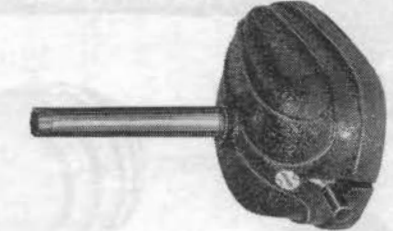
TYPE 114



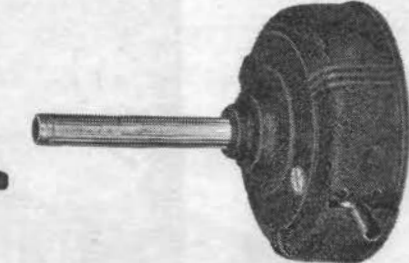
TYPE 116



TYPE 148



TYPE 153



TYPE 174



TYPE 125

Manufactured by

TYPE 118

TYPE 119

TYPE 121

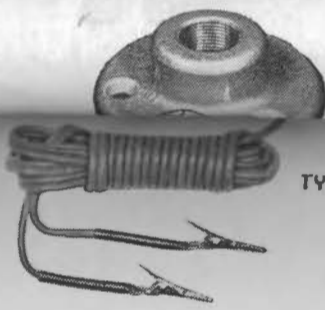
Manufactured by

ZEPHYR PRODUCTS PTY LTD

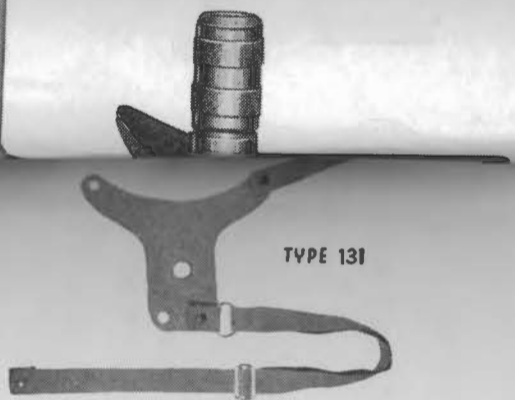
TYPE 118



TYPE 119



TYPE 121

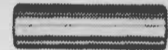


TYPE 131

TYPE 122



TYPE 132



TYPE 123



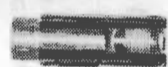
TYPE 132A



TYPE 126



TYPE 132B



TYPE 127



TYPE 133



TYPE 127A



TYPE 134



TYPE 128



TYPE 135



TYPE 129



TYPE 124



TYPE 150



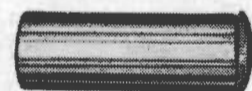
TYPE 151



TYPE 142



TYPE 141



TYPE 130



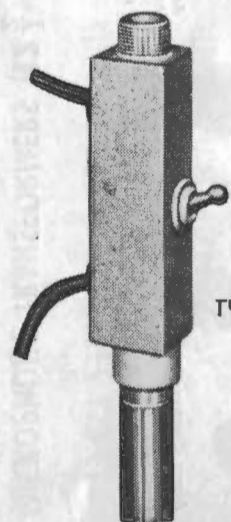
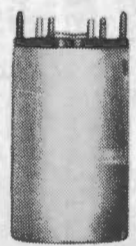
TYPE 130A



TYPE 130c



TYPE 130B



TYPE 136



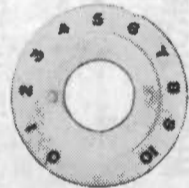
TYPE 210



TYPE 211



TYPE 138



# 46 Mounts, T.V.

## MICROPHONE CONNECTORS (12½%)

Acme

(Amphenol equivalents in brackets).

	Trade Each	Retail Each
C-1-01F (MC1F) S.C. Cable Socket	4/8	7/-
C-1-02M (PC1M) S.C. Panel Plug ...	3/8	5/6
C-10-3M (MC1M) S.C. Cable Plug ...	4/-	6/-
C-10-4M (MC2M) 2 Pin Cable Plug	6/-	9/-
C-10-5F (MC2F) 2 Pin Cable Socket	6/-	9/-
C-10-6F (PC2F) 2 Pin Panel Socket	4/-	6/-
C-10-7M (80M) 1 Pin Cable Plug	5/8	8/6
C-10-8F (80F) 1 Pin Cable Socket	5/8	8/6
C-10-9F (80C) 1 Pin Panel Socket	4/-	6/-
C-11-0M (MC3M) 3 Pin Cable Plug	8/-	12/-
C-11-1F (MC3F) 3 Pin Cable Socket	7/4	11/-
C-11-2F (PC3F) 3 Pin Panel Socket	5/4	8/-
C-11-3M (MC4M) 4 Pin Cable Plug	8/8	13/-
C-11-4F (MC4F) 4 Pin Cable Socket	8/8	13/-
C-11-5F (PC4F) 4 Pin Panel Socket	5/8	8/6



Acme Connector C-1-02M (PC1M) S.C. Male Panel



Acme Connector C-1-01F (MC1F), S.C. Female Cable



Acme Connector C-10-6F (PC2F) 2-Pin Female, Panel



Acme Connector C-11-0M (MC3M) 3-Pin Male Cable

## MICROPHONE TRANSFORMERS (12½%)

B. & O.

	Trade Each	Retail Each
Transformer for BM4	£3 18 10	£5 18 3

Zephyr

130A, 50 Ohms. to (200-600 Ohms.), 50 Ohms. to 42,000 Ohms. (200-600) to 42,000 Ohms.	1 4 5	1 12 5
130B, 50 Ohms. to 25,000 Ohms.	1 6 7	1 15 3
130C, 50 Ohms. to 42,000 Ohms., Shielded fitted with 2 Pin Connector — Input Plug and Socket	3 17 6	5 2 8
130Q, 50 Ohms. to 42,000 Ohms., in 1½" Diam. Round Metal Case, 3" High	1 18 2	2 10 7

## ADDITIONS

## MOUNTS—T.V.

TAX RATES:

Chimney—

Brackets: Exempt.

Strap, Wire, Clamps: 12½%.

Wall — Exempt.

Loft — 25%.

Antiference

Chimney Mounts

	Trade Each
ICB, Light Duty, Wire Lashing	£1 0 0
LDG/C, Heavy Duty, Wire Lashing	1 7 3
LSG, 2 Unit, H.D., Wire Lashing	1 14 3

Wall Mounts

IWB, Light Duty	0 19 0
NEB, 2 Unit, Wall/Eave Mount	1 15 0

Loft

NRM, Light Duty	0 8 6
-----------------	-------

Masthead Tilting Bracket (25%)

Antiference

	Each
A Steel Mount, permitting Boom Tilt of up to 45° from the Horizontal	0 7 9

Austenna

Chimney

Type K9S, 2 Unit Mount, Strap Lashing	2 5 9
Type K9W, 2 Unit Mount, Wire Lashing	2 4 9
Type K12S, Single Unit, Strap Lashing	1 6 9
Type K12W, Single Unit, Wire Lashing	1 6 0

N.W.S.

Gable Mount, Small	1 19 6
Gable Mount, Large	3 6 0

R.P.

Medium Chimney Mount, c/w Strapping, etc.	1 2 6
---	-------

Skyline

Chimney

SCBS3 (Alloy), Slotted Arms ...	1 14 8
SCBS3 (Alloy), as SCBS3, but with Non-Adjustable Mast Mounting	1 5 2
SCBS12 (Steel), as SCBS23, Fabricated from Heavy Galvanised Steel, Non-Adjustable Arms	1 2 9
DCBS6 (Alloy), as DCBW5, but incorporates Stainless Steel Strapping Attachments	2 12 3



**MOUNTS—T.V. AERIALS (Exempt)**

(Continued)

**Skyline (Continued)**

Loft

LMH, C/W Mast and Thumb-screw, no extra Hardware

Required ..... 0 7 3 0 12 0

**Wall/Eave**

WBE17 (Steel), Eave Mounting, 27" Extension Bracket ...

1 5 9 1 14 6

**Nuts**

(See under "Hardware")

**Nut, Buckle and Strap**

(See under "Mast Straps").

**Oscillators**

(See "Green" Section).

**Output Meters**

(See "Green" Section).

**Open Line Feeder**

(See under "Wires and Cables").

**Padder Condensers**

(See under "Condensers").

**Panel Meters**

(See "Green" Section).

**Paper Condensers**

(See under "Condensers").

**Pattern Generators**

(See "Green" Section).

**PENETRENE (Exempt)**

Corrosion and Rust Neutraliser—

6 oz. Can — Standard ..... Each 3/—

12 oz. Can — Pressurised ... Each 8/— 10/8

**Photo Electric Cells**

(See "Green" Section).

**Photo Diodes**

(See "Green" Section).

**Photographic Lamps**

(See "Green" Section).

**Picture Tube Rejuvenators**

(See "Green" Section).

**Pick-ups**

(See under "Gramos").

**PICTURE TUBES (EXEMPT)**

**Anodeon**

Type	Size	Defl.	Focus	Neck Length	Trade Each	Retail Each
21CBP4A	21"	90°	E.S.	Short	£19 10 0	£25 10 0
21CEP4	21"	110°	E.S.	Short	19 10 0	25 10 0
21WP4	21"	70°	Mag.	Long	19 10 0	25 10 0

**Phillips**

AW36-80	14"	90°	E.S.	Short	16 15 0	22 17 6
AW43-80	17"	90°	E.S.	Short	17 15 0	23 12 6
AW43-88	17"	110°	E.S.	Short	17 15 0	23 12 6
MW43-69	17"	70°	Mag.	Long	17 15 0	23 12 6
AW53-80	21"	90°	E.S.	Short	19 10 0	25 10 0
AW53-88	21"	110°	E.S.	Short	19 10 0	25 10 0
21ALP4A	21"	90°	E.S.	Short	19 10 0	25 10 0
21CBP4	21"	90°	E.S.	Short	19 10 0	25 10 0
MW53-20	21"	70°	Mag.	Long	19 10 0	25 10 0
23HP4	23"	110°	E.S.	Short	31 5 0	43 10 0

**Thomas**

14WP4	14"	90°	E.S.	Short	16 15 0	22 17 6
14ASP4	14"	110°	E.S.	Short	16 15 0	22 17 6
17BJP4	17"	90°	E.S.	Short	17 15 0	23 12 6
17BP4/300	17"	70°	Mag.	Long	17 15 0	23 12 6
17BZP4	17"	110°	E.S.	Short	17 15 0	23 12 6
21CBP4	21"	90°	E.S.	Short	19 10 0	25 10 0
21CEP4	21"	110°	E.S.	Short	19 10 0	25 10 0
21ZP4/300	21"	70°	Mag.	Long	19 10 0	25 10 0
23HP4	23"	110°	E.S.	Short	31 5 0	43 10 0
24AEP4	24"	90°	E.S.	Short	27 10 0	36 0 0

**PICTURE TUBE BASES (25%)**

	Each	Each
Philips, 63.144-31	2/6	4/3

**PICTURE TUBE BRIGHTENER (25%)**

Q Plus, PTB/1	24/—	36/—
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**PICTURE TUBE MASKS & SUNDRIES (25%)**

	Each	Each
17" Mask	13/4	23/—
21" Mask	20/—	33/6
Dome	4/6	7/9
17" Strips	2/—	3/4

**Picture Tube Sockets**

(See under "Sockets").

**Pilot Lamps**

(See under "Lamps").

**PLUGS & SOCKETS**

**BANANA PLUGS & SOCKETS (25%)**

**Belling-Lee**

	Each	Each
L378/4, Plug	1/8	2/9
L316, Socket	1/9	3/—

**Dual**

Banana Plug	10d.	1/6
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**G.R.A.**

	Dozen	Each
Standard Plugs	10/—	1/5
De Luxe Plugs	10/6	1/6
Standard Sockets — Plain	6/—	10d.
De Luxe Sockets — Insulated	13/—	2/—



**PLUGS & SOCKETS (Continued)**

**Banana Plugs (Continued)**

<b>Philips</b>		<b>Trade Each</b>	<b>Retail Each</b>
F04/AA/01, Banana Plug, Solderless .....		1/9	3/-

**Battery Plugs**

(See under "Batteries").

**Battery Sockets**

(See under "Sockets").

**CO-AX PLUGS AND SOCKETS (25%)**

**Belling-Lee**

	<b>Each</b>	<b>Each</b>
L734/P/AL, Co-ax. Plug .....	2/8	4/6
L734/J/AL, Co-ax. Socket .....	3/6	5/9
L604/S, Co-ax. Socket .....	2/4	4/-
L735, Co-ax. Outlet Box .....	7/7	12/5

**Carr**

691-10-1, Co-ax. Plug .....	5d.	9d.
733-23-2, Co-ax. Socket .....	1/1	1/9

**FLAT RIBBON PLUGS AND SOCKETS (25%)**

**Acme**

Flat Ribbon Connectors — Brown or White—	<b>Dozen</b>	<b>Each</b>
C22-1X, Plug .....	13/4	1/9
C22-2, Socket, Flush Mounting .....	18/8	2/6
C22-3, Box Socket .....	18/8	2/6
C22-4X, Cable Extension Connector .....	13/4	1/9
C22-7, Socket, Surface Mounting .....	21/4	2/10
C22-12X, Plug and Socket Pack, Flush .....	30/8	4/1
C22-17X, Plug and Socket Pack, Surface .....	33/4	4/5
C22-156, Distribution Box and Plug Pack .....	84/-	11/1

**Belling-Lee**

LA5007, Plug (replaces L677P) .....	17/-	2/2
LA5008, Socket .....	21/-	2/10

**PLUGS & SOCKETS (Continued)**

**Carr**

	<b>Trade Dozen</b>
691-5-3, Twin Polarised Plug .....	6/-
733-16-7, Twin Socket for Same .....	6/-

**Hoelle/Utilux**

H571, Plug and Socket .....	24/-
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**Skyline**

PN103, Twin Flush Outlet and Plug .....	30/-
PN108, Twin Solderless Plug .....	12/8
PN109, Twin Solderless Socket .....	12/8
PN110, Twin Outlet and Plug .....	34/-

**MINIATURE PLUGS (25%)**

**Carr**

691-6-10, 4 Pin, Wafer .....	6/-
------------------------------	-----

**McMurdo**

	<b>Each</b>
B2/PP, 2 Pin, Polarised .....	6d.
AA3/UP, 3 Pin Plug and Socket .....	3/-
B4/CP, 4 Pin Plug with Cover .....	8d.
4QMS, 4 Pin Socket, Chass. Mtg. ....	9d.
B5/CP, 5 Pin Plug and Cover .....	9d.
5QMS, 5 Pin Socket, Chass. Mtg. ....	10d.
BLM7/USP1/Q5, 7 Pin Plug and Cover .....	1/6
B7G/SA/Q5, 7 Pin Line Socket and Cover .....	1/-
B8/HP, 8 Pin Plug and Cover (110° Picture Tube) .....	6/9
BLM9/USP/Q5, 9 Pin Plug and Cover .....	1/9
XLM9/UTS1/Q5, 9 Pin Socket and Cover .....	2/-

**Sato**

828, 3 Pin Baby Plug and Socket, C/W Screw-on Covers .....	5/6
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**Trimax**

M244M, 2 Pin Plug .....	1/11
M244F, 2 Pin Skt. for same (250v. A.C. or 400v. D.C. 5a.) .....	2/8

**MULTI PLUGS (25%)**

**Elcom**

	<b>Each</b>
PO2, 2 Pin Plug .....	4/7
SO2, 2 Pin Socket .....	4/7
CO2T, Cover for same .....	3/6
PO4, 4 Pin Plug .....	5/4
SO4, 4 Pin Socket .....	6/6
CO4T, Cover for same .....	4/-
PO6, 6 Pin Plug .....	6/9
SO6, 6 Pin Socket .....	8/-
CO6T, Cover for same .....	4/-
PO8, 8 Pin Plug .....	8/-
SO8, 8 Pin Socket .....	9/1
CO8T, Cover for same .....	4/-

(Continued)

**PLUGS & SOCKETS (Continued)**

**Elcom (25%) (Continued)**

	Trade Each	Retail Each
P12, 12 Pin Plug .....	11/-	18/6
S12, 12 Pin Socket .....	13/6	22/9
C12T, Cover for same .....	4/-	6/6

N.B.—Plugs and Sockets listed are all Chassis Mounting Types. Addition of Cover converts either to Top Entry Flex Types.



Elcom Connector, 4-Pin Chassis or Cord Plug



Elcom Connector, 4-Pin Chassis or Cord Socket



Elcom Plug or Socket Cover

**Painton (25%)**

	Each	Each
500208, 8 Pin Cable Plug .....	9/4	16/-
500474, 8 Pin Chassis Plug .....	5/6	9/6
500477, 8 Pin Chassis Socket .....	6/6	11/3
500479, 12 Pin Chassis Plug .....	8/2	13/10
500480, 12 Pin Cable Socket .....	11/11	20/-
500482, 12 Pin Chassis Socket .....	9/11	17/-

**PHONE PLUGS (12½%)**

	Each	Each
Bulgin, P519, Midget .....	3/6	5/3
EMA, P.M.G. Type, with Phenol Sleeve .....	5/11	8/-
T.M.S., T204-D, Midget (Ivory, Red, Blue, Black) .....	1/2	1/11
T.M.S., T204-E, Ivory .....	1/2	1/11
T.M.S., T530, Large Barrel .....	3/9	5/9
*Zephyr 124, Shielded, Small, Chrome .....	6/3	8/5
*Zephyr 150, Black Bakelite Cover, Single Circuit .....	5/10	7/9
*Zephyr 151, Shielded Cover, Single Circuit, Chrome .....	6/7	8/9

\*See Page 45 for Illustration.

**Phone Jacks**

(See under "Jacks").

**SPEAKER PLUGS (25%)**

**Amphenol**

	Each	Each
CP4, 4 Pin .....	1/6	2/8
CP5, 5 Pin .....	1/6	2/8
CP6, 6 Pin .....	1/6	2/8
CP8, 8 Pin .....	2/3	3/11
Plug Covers .....	1/6	2/8

**Carr**

691-8-6, Octal, Moulded .....	1/2	2/-
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**McMurdo**

L8/USP, Octal, with Cover .....	3/-	5/4
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**POLISH & CUTTER (12½%)**

**Dorf "Super-glow"**

	Trade	Retail
Pack containing—		
1 x, 16 oz. Polish		
1 x, 16 oz. Cutter		
3 x, 5 oz. Polish	Pack	Pack
3 x, 5 oz. Cutter	41/5	
Polish or Cutter—	Dozen	Each
5 oz. Bottles .....	46/9	6/6
16 oz. Bottles .....	108/-	15/-
	Each	Each
Quart Bottles .....	22/6	—

**POTENTIOMETERS (25%)**

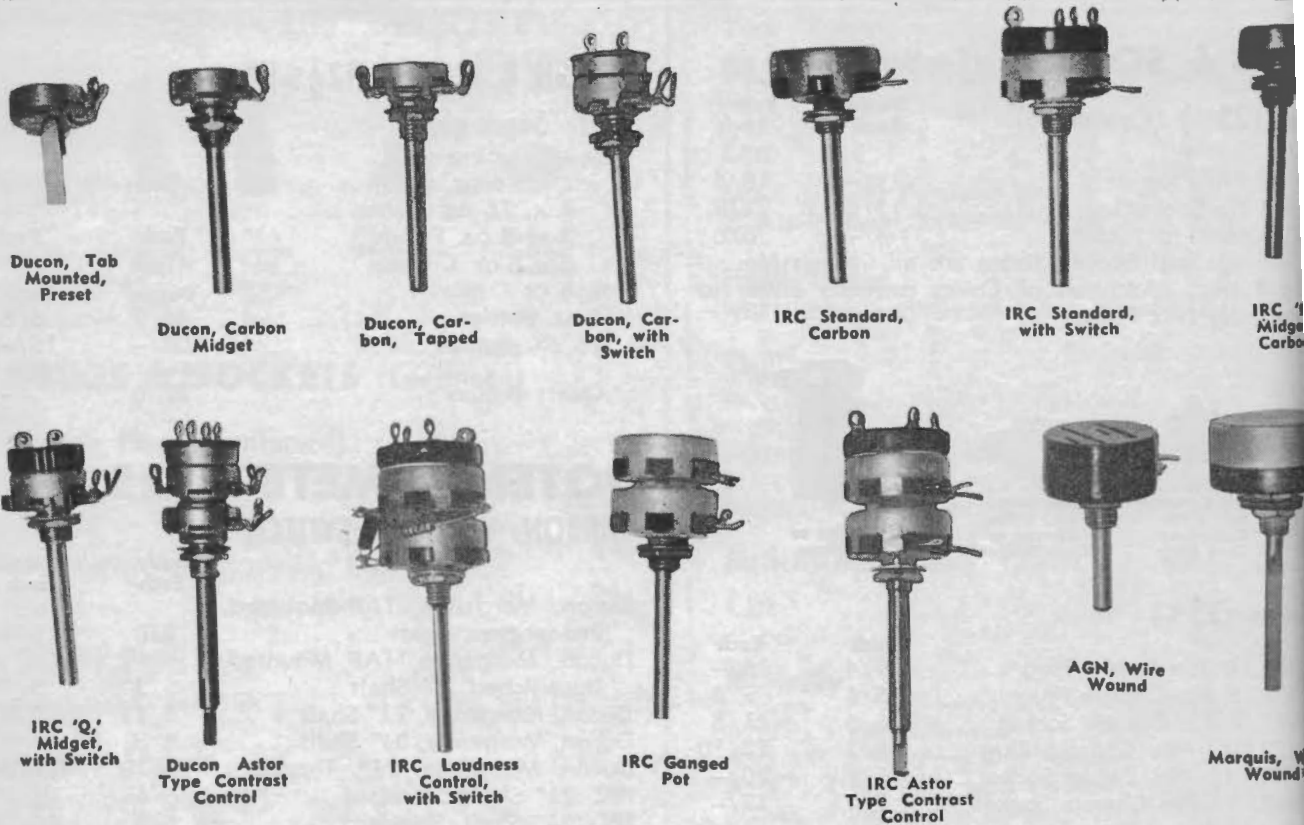
**CARBON, WITHOUT SWITCH**

	Trade Each	Retail Each
Ducon, Morganite, TAB Mounted, Pre-set, less Shaft .....	3/8	6/-
Ducon, Morganite, TAB Mounted, Unswitched, 1" Shaft .....	5/3	8/7
Ducon, Morganite, 2¼" Shaft .....	5/11	9/8
Ducon, Morganite, 3½" Shaft .....	6/3	10/2
Ducon, Morganite, 2¼", Tapped .....	6/10	11/2
IRC, 2¼" Shaft, Standard .....	6/4	10/4
IRC, 3½" Shaft, Standard .....	6/8	10/10
IRC, 2¼" Tapped, Standard .....	7/3	11/10
IRC, 3½" Tapped, Standard .....	7/7	12/4
IRC, Type "Q", Tab Mounted, Pre-set .....	5/3	8/7
IRC, "Q", 2¼", Plain .....	5/11	9/8
IRC, "Q", 2¼", Tapped .....	6/10	11/2
IRC, "Q", 3½", Plain .....	6/3	10/2
IRC, "Q", 3½", Tapped .....	7/2	11/8
Lugon, Universal TAB Mount, 2¼" Bakelite Shaft .....	5/3	8/7
Morganite, "BJ" .....	8/3	14/6
Preh .....	6/8	11/6

**CARBON, WITH SWITCH**

	Each	Each
Ducon, Morganite, D.P.S.T., 2¼" Shaft .....	10/-	16/4
Ducon, Morganite, D.P.S.T. and Tap, 2¼" Shaft .....	10/11	17/10
Ducon, Morganite, D.P.S.T., 3½" Shaft .....	10/4	16/10
Ducon, Morganite, D.P.S.T., Tapped, 3½" .....	11/3	18/4
Ducon, Morganite, S.P.S.T., Push/Pull Switch .....	10/8	17/6
Ducon, Morganite, D.P.S.T., Push/Pull Switch .....	11/-	18/-
Ducon, Morganite, S.P.S.T., Tapped, Push/Pull Switch .....	11/7	19/-
IRC, "Q", Double Pole, 2¼" .....	10/-	16/4
IRC, "Q", Tapped, Double Pole, 2¼" .....	10/11	17/10
IRC, "Q", Double Pole, 3½" .....	10/4	16/10
IRC, "Q", Double Pole, Tapped, 3½" .....	11/3	18/4
Preh, D.P.S.T. and Tap .....	12/-	20/-

# 50 Potentiometers



## POTENTIOMETERS (25%) (Continued)

### SWITCH POTENTIOMETERS FOR TRANSISTOR SETS

	Trade Each	Retail Each
Morganite, 10305/LFF72, 10K Ohms., Log, Switch Pot, Special Low "Hop On" .....	11/-	18/6

### GANGED POTENTIOMETERS - CARBON

	Trade Each	Retail Each
<b>Ducon</b>		
50 K, (C) + 50 K, (C)—Matched	15/7	25/6
100 K, (C) + 100 K, (C)—Matched	15/7	25/6
250, K (A) + 250 K, (A)—Matched	15/7	25/6
250 K, (C) + 250 K, (C)—Matched	15/7	25/6
500 K, (A) + 500 K, (A)—Matched	15/7	25/6
500 K, (C) + 500 K, (C)—Matched	15/7	25/6
1 MEG, (A) + 1 MEG, (A) — Matched .....	15/7	25/6
1 MEG, (C) + 1 MEG, (C) — Matched .....	15/7	25/6
2 MEG, (A) + 2 MEG, (A) — Matched .....	15/7	25/6
50 K, (C) + 50 K, (C), DPST — Matched .....	18/11	31/-
100 K, (C) + 100 K, (C), DPST — Matched .....	18/11	31/-
250 K, (C) + 250 K, (C), DPST — Matched .....	18/11	31/-
500 K, (C) + 500 K, (C), DPST — Matched .....	18/11	31/-
1 MEG, (C) + 1 MEG, (C), DPST — Matched .....	18/11	31/-

Other Types to Order.

### Loudness Controls

	Trade Each	Retail Each
IRC, LB1, Plain .....	19/3	32/6
IRC, LB1, with D.P. Switch .....	24/6	41/6
IRC, LB1, with S.P. Switch .....	24/1	41/6

### SPECIAL POTS, CAR RADIO, TV, E

Each

#### A.W.A.

36807, 500 K., Tapped, Switch, for Cruiser Car Radio .....	9/-	15/6
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#### Philips

CZ032-026, 500 K, DPST Switch, Threaded Hole in Shaft, for NT346V Car Radio (Ducon) .....	12/7	20/6
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#### Goldring

30-374, Speaker Volume Control, Dual, Stereo, with Brass Wall Plate .....	45/-	76/6
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#### Admiral T.V.

Ducon, 100 K, (A), Slotted Shaft ..	6/6	11/6
Ducon, 200 K, (A) .....	5/11	9/6
Ducon, 1 MEG, (C), TAP 100 K, SPST, P.P. ....	11/7	19/6
Ducon, 1 K, (F), SPST, Slotted Shaft	10/7	17/6
IRC, 1 K, (E) + 1 MEG (G), TAP 150 K, SPST .....	20/3	32/6

#### Astor Radio & T.V.

R123, Ducon, 100 K, Special Shaft	6/6	11/6
R165, Ducon, 5 MEG, (A) .....	5/11	9/6
R153/R207, Ducon, 500 K, DPST, Special Shaft .....	10/7	17/6

**POTENTIOMETERS (Continued)**

**Astor Radio and T.V. (Continued)**

	Trade Each	Retail Each
PR662, for BSK, Ducon, 500 K, (C), DPST TAP 40 K, Special Shaft	11/6	19/-
PR972, for ESJ, Ducon, 100 K, (A)	5/11	9/8
PR974, Ducon, 25 K, (A)	5/11	9/8
IRC, 500 K, (C) TAP 40 K + 2 K (E), DPST	20/6	33/4

**A.W.A. T.V.**

40350, Ducon, 500 K, (C) + 200 K, (A), DPST	18/11	31/-
40967, Ducon, 100 K, (C) + 500 K, (A), DPST	18/11	31/-

**Ekco T.V.**

IRC, 50 K, (A) + 500 K, (C), DPST	19/7	31/10
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**Ferris T.V.**

IRC, 500 K, (C) + 1 K, Wire Wound, DPST	19/7	31/10
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**Healing T.V.**

TL25A, IRC, 100 K, (A) + 1 MEG, (C), TAP 500 K, DPST	20/6	33/4
TL138-2, IRC, 500 K, (A) + 1 MEG, (C), DPST	19/7	31/10

**H.M.V. T.V.**

P/N 677-0331, IRC 10 K, (A) + 1 MEG, (A), TAP 500 K, DPST	20/6	33/4
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**Philips T.V.**

C2032-020, IRC, 1 MEG, (C) + 5 K, (A), DPST	19/7	31/10
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**Pope-Motorola T.V.**

Ducon, 500 Ohms. + 1 MEG, (C), TAP 400 K, DPST	19/10	32/3
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**Precedent T.V.**

Ducon, 100 K, (A) + 500 K, (C), DPST	18/11	31/-
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**Pye T.V.**

Ducon, 1 MEG, (C) + 1 MEG, (C) TAP 400 K, DPST	19/10	32/3
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**S.T.C. T.V.**

Ducon, 500 K, (A) + 1 Meg, (C), DPST	18/11	31/-
Ducon, 1 MEG, (C) + 500 K, (C) TAP 40 K, DPST	19/10	32/3

**Stromberg-Carlson T.V.**

IRC, 1 MEG, (C) TAP 500 K, DPST	10/11	17/10
Ducon, 100 K, (A) + 1 MEG, (C), TAP 100 K, DPST	19/10	32/3

**Titan-K.G.H. T.V.**

IRC, 100 K, (A) + 1 MEG, (C) TAP 100 K, DPST	20/6	33/4
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**POTENTIOMETERS—WIRE WOUND**

**A.G.N.—2 Watts**

	Trade Each	Retail Each
0—10,000 Ohms.	7/1	11/9
10,001—15,000 Ohms.	8/11	13/-
15,001—20,000 Ohms.	9/6	15/3
20,001—50,000 Ohms.	11/8	18/9
50,001—100,000 Ohms.	18/-	30/6

A.G.N. 5 Watt and 10 Watt Pots available to order.

**I.R.C. Type W—2 Watts**

5—10,000 Ohms.	10/-	16/4
10,001—15,000 Ohms.	11/7	18/11
15001—25,000 Ohms.	12/7	20/7

**Type W—Ganged**

5 Ohms. to 10,000 Ohms.	15/7	25/4
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**Power Level Meters**

**Projectors**

**Probes**

**Projection Lamps**

(See "Green" Section).

**PUBLICATIONS**

	Each	Each
KBC, 277-12-2, Build Your Own Furniture, No. 1	6/6	9/6
Mullard, "Circuits for Audio Amplifiers"	—	12/6
Mullard, "Simple Explanation of Semi-Conductor Devices"	—	5/3
Philips, "Miniwatt" Transistors and Diodes, 5th Edition	—	12/6
Philips, "Miniwatt" Tube Manual, 6th Edition	—	18/6
Philips, "Miniwatt" Electronics Handbook	—	25/-
Philips, "How T.V. Works"	—	42/-
Philips, "Intro. to T.V. Servicing"	—	50/6
Philips, "The Transistor—Theory and Application"	—	12/6
R.C.A., RC-19 Tube Manual	—	10/-
Correcting T.V. Picture Faults	—	6/-
Babani 158 Tube, Diode and Transistor Equivalents	—	14/-

**Transistor Information and Service Data**

This Publication gives servicemen a step by step service procedure on all transistor radios, Australian and Japanese. Manufacturers have been grouped, and information presented in a form easily utilised in field service.

The Publishers intend to reproduce every new circuit as it is made available, and for this purpose an extra Folder (Vol. II) is available.

Vol. 1: Folder, Circuits and Information \*£9 17 0  
Vol. II: Folder only 1 12 6

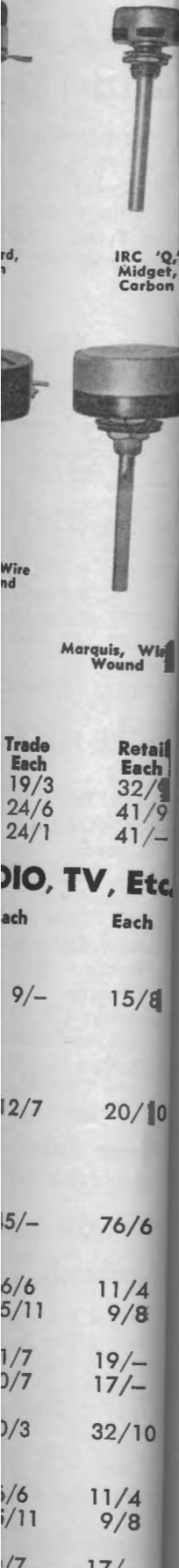
\*Price includes 12 months' subscription to additional circuits and information.

**Car Radio Service Manual**

A companion to "Transistor Information and Service Data"; manufacturers have been grouped, and information presented in a manner easily utilised:

Vol. 1: Folder, Circuits and Information \*£7 7 0

\*Price includes 12 months' Subscription to Additional Circuits and Information.



## Punches, Valve Socket

(See under "Tools").

## Pyrometers

(See "Green" Section).

## RECEIVERS (25%)

### CAR RADIO

Full range of H.M.V. Car Radios available. Details on application.

### CRYSTAL-DIODE TYPES

	Trade Each		Retail Each	
Q Plus, Set Only .....	£1	12 3	£2	13 6
*Q Plus, Complete .....	2	18 9	4	19 6
*Q Plus, Transistor/Diode .....	4	0 0	6	19 6

\*With Headphones.

### TRANSISTOR TYPES

On application.

### Record Racks

(See under "Gramo").

### Recorders

(See under "Tape Recorders").

## RECTIFIERS

### WESTINGHOUSE

### Battery Charger Types (12½)

(See also Page 11).

	Each	Each
LT7/P, 6 volt, 400 ma. Max. Out-put .....	11/9	16/6
LT53, 12 volt, 3 amp. ....	46/8	70/-
MU65, for Auto Charger .....	79/9	129/-

### Meter Types (12½)

1 ma., 5 ma. ....	36/3	54/6
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## RECTIFIER REPLACEMENT GUIDE

### Westinghouse (25%)

Brand	T.V.	Radio	Rectifier	Trade Retail	
				Each	Each
Admiral		4A2	*18RA1-1-8-1	11/9	18/8
		5AK	*18RA1-1-8-1	11/9	18/8
Airzone		A124	MU61	22/6	38/9
		A123			
		5X1B4			
		5X1A4			
Astor		PS	14B46 or	35/-	56/6
		GPS	14B261 or	30/-	50/-
			MU 70	30/-	50/-
		CML	*18RA1-1-8-1	11/9	18/8
		DLP	*18RA1-1-8-1 or	11/9	18/8
			14D19	20/-	33/6
		ARQ	MU101 and	12/-	20/-
			MU102	15/-	25/6
		BRQ	MU101 and	12/-	20/-
			MU102	15/-	25/6
		ARP	14B261 or	30/-	50/-
		RP	MU70	30/-	50/-
		MM	14B46 or	35/-	56/6

## RECTIFIER REPLACEMENT GUIDE

### - Continued

Brand	T.V.	Radio	Rectifier	Each
			14B261	30/-
			BLK & LK Pwr Supply	18/-
			MU40 and LT7P	19/6
	SL		*18RD2-2-8-1 & *18RD2-2-8-1	11/9
			*18RA1-1-8-1 & 16K4	28/-
Atlas		RP100	*18RA1-1-8-1 & 16K4	11/9
			39K1 and 39K1 and LW18	9/-
Bush-Simpson-	21A, 21B, 52A, 17A, 17B		39K1 and LW18	9/-
			16K4	75/-
Fleetwood		6000	18RA1-1-8-1	11/9
Healing		400H	MU58 or	30/-
		500H	MU70 and	30/-
		401H	38K2 or 16K4	10/-
			16K4	11/9
		501H	*18RA1-1-8-1	11/9
			39K2 & 39K12	10/-
H.M.V.	PI		14B46	17/6
		T24AB		35/-
		Car Radio Mod. 22X	*18RA1-1-8-1	11/9
Kelvinator	FIK		39K2 & 39K12	10/-
			14B261	17/6
Kreisler		21-6		30/-
		21-7		
Motorola		46	MU93	32/-
	"Walkabout"		*14RA1-2-8-2, MU122, MU130, MU131	35/-
			14B261 or	45/-
Operatic		38P	MU70	30/-
			14B12	22/6
Phillips		144	14B12	11/9
		168	LT7P	22/6
		196	*18RA1-1-8-1	11/9
Precedent	156		14A97, or 14RE2-2-8-1 or FC102	40/-
	256		*FC101 and *FC101	35/-
			14B46 or 14B261	35/-
Pye		APS	14B12	30/-
		PS	14B12	22/6
Radiola		534MG	LT7P & MU45	11/9
			MU86	11/9
Strom.		Vagabond	MU86	35/-
Carlson		Wayfarer	14B261 or MU70 and 16K4	30/-
			16K4	11/9
Tecnico		1249		
		1259	14B12 and	22/6
		1359	16K4	11/9
		T05		
		T06		
		T07	MU63 or	37/6
		T08	MU72	37/6
Van Ruyten		Portapac	LT7P	11/9

\* N.B. FC101 Replaces 14RA1-2-8-2  
FC118 " 18RA1-1-8-1  
FC124 " 18RD2-2-8-1

## RECTIFIERS — SILICON

(See under "Semi-Conductors").

## RECTIFIERS — INSTRUMENT

(See "Green" Section).

## RELAYS

(See "Green" Section).

## RESISTANCE BOXES

(See "Green" Section)

INDEX GUIDE

rectifier	Each	18
LB261	30/-	18
LD12 or	18/-	19/6
U40 and	19/6	11/9
77P	11/9	28/-
RD2-2-8-1 &	28/-	28/-
RD2-2-8-1	28/-	11/9
RA1-1-8-1 &	11/9	11/9
K4	11/9	9/-
K1 and	9/-	9/-
K1 and	9/-	75/-
718	75/-	11/9
RA1-1-8-1	11/9	30/-
758 or	30/-	30/-
770 and	30/-	10/-
E2 or	10/-	11/9
E4	11/9	11/9
LA1-1-8-1	11/9	10/-
E2 &	10/-	17/6
E12	17/6	35/-
E46	35/-	11/9
LA1-1-8-1	11/9	10/-
E2 &	10/-	17/6
E12	17/6	30/-
E46	30/-	32/-
RA1-2-8-2,	32/-	35/-
7122,	35/-	45/-
7130,	45/-	35/-
7131	35/-	60/-
61 or	60/-	30/-
E0	30/-	22/6
E2	22/6	11/9
E1-1-8-1	11/9	11/9
E7, or	11/9	40/-
E2-2-8-1 or	40/-	35/-
E2	35/-	35/-
E1 and	35/-	35/-
E1	35/-	30/-
E1 or	30/-	22/6
E1	22/6	11/9
E1 &	11/9	11/9
E1	11/9	35/-
E1 or	35/-	30/-
E1 and	30/-	11/9
E1	11/9	22/6
E1 and	22/6	11/9
E1	11/9	37/6
E1	37/6	37/6
E1	37/6	11/9
E1	11/9	-2-8-2
E1	-2-8-2	-1-8-1
E1	-1-8-1	-2-8-1

RESISTORS (25%)

CARBON

CONSTANTA

High Stability, Tol. 1%

1/2 Watt	1/11	3/5
1 Watt	2/7	4/6

ERIE

Type 9, 1/2 Watt	8/-	1/2
Type 8, 1 Watt	9/-	1/3
Type 10, 2 Watt	15/-	2/-

High Stability Types

Type 100, 1 Watt ± 1%		
10—200,000 Ohms.	2/6	4/-
10,001—2 Meg.	3/6	5/9
Over 2 Meg.	4/6	7/6

I.R.C. INSULATED, METALLIZED

BTS, 1/2 Watt	8/-	1/2
BTA, 1 Watt	9/-	1/3

High Stability, ± 1%

DCC, 1/2 Watt	3/6	4/9
DCE, DCF, 1 Watt	3/9	6/-
DCH, 2 Watt	5/6	7/9

MORGANITE

AS, 1/2 Watt, Insulated	8/-	1/2
AY, 1 Watt, Insulated	9/-	1/3

PHILIPS

Insulated Cracked Carbon	Dozen	Each
1/10 Watt, ± 5%, Sub. Min.	12/-	1/9
1/2 Watt, ± 5%	8/-	1/2
1 Watt, ± 5%	10/-	1/5
Range: 10 Ohms.—10 Meg.		

ROSENTHAL

High Stability

1 Watt, ± 1%	Each	Each
10 Ohms.—2 Meg.	3/6	6/-
Over 2 Meg.	3/9	6/6

WIRE WOUND

3 Watt		
Standard Range: 5—3000 Ohms.	1/11	3/2
Below 5 Ohms.	2/8	4/6
Over 3000 Ohms.	2/8	4/6

WIRE WOUND RESISTORS (Continued)

5 Watt

Standard Range, 5—6000 Ohms.	Trade Each 2/8	Retail Each 4/6
Below 5 Ohms.	3/1	4/9
Over 6000 Ohms.	3/-	4/8
Centre Tapped	3/1	4/9

10 Watt

1—10 Ohms.	3/3	5/6
11—5000 Ohms.	2/10	5/-
5001—7500 Ohms.	3/3	5/6
7501—10,000 Ohms.	3/9	6/4
10,001—12,000 Ohms.	5/3	8/11
12,001—12,000 Ohms.	6/3	10/7
15,001—20,000 Ohms.	7/6	12/9

20 Watt—Fixed

Standard Range, 5—10,000 Ohms	6/8	11/-
Below 5 Ohms.	9/3	15/9
Over 10,000 Ohms.	8/3	14/-

20 Watt—Adjustable

Range, 5—5000 Ohms.	8/-	13/6
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25 Watt

IRC, 68 Ohms. (Astor Special)	8/8	14/6
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Resistor Mounting Feet (25%)

IRC, for 20 W. Resistors	Set 6d.	Set 10d.
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Resistor Mounting Strips

(See under "Terminal Strips").

Screens—T.V. (16 2/3%)

Suit 21", 23" Sets, Self Adhering—	Each	Each
Blue Tint	18/-	26/-
3-Color	21/-	33/6

ADDITIONS

### SEMI-CONDUCTORS

Technical information and explanation of Semi-Conductor devices may be found in Mullard's "A Simple Explanation of Semi-Conductor Devices", Philips' "The Transistor—Theory and Applications", and Philips' "Germanium and Silicon Transistors and Diodes" (5th Edition) currently available.

#### DIODES (25%)

	Trade Each	Retail Each
GD3	3/8	6/1
GD4	4/4	7/-
GD8	4/-	6/6
GEX00	3/9	5/11
GEX34	3/2	5/3
GEX35	3/2	5/3
GEX45/1	3/6	5/11
GEX54	7/5	12/8
GEX66	16/-	27/1
HR25, Silicon Rectifier (equivalent OA210)	9/-	14/2
OA5	7/8	11/5
OA70	2/10	4/9
OA73	4/2	6/9
OA79	3/6	5/9
20A79	7/-	11/6
OA80 (replaces OA70)	2/10	4/9
OA81	3/-	4/11
OA85	3/10	6/6
OA91	10/11	17/4
OA95	11/2	17/7
OA210, Silicon Rectifier	11/11	20/3
OA211, Silicon Rectifier	23/10	40/6
OA214, Silicon Rectifier	16/10	28/3
SFD106	3/-	5/-
SFR105, Silicon Rectifier	35/-	55/6
IN1169, Silicon Rectifier	11/11	20/3
IN1763, Silicon Rectifier	11/11	20/3
IN1764, Silicon Rectifier	14/-	23/9
IN2094, Silicon Rectifier	9/10	16/3

#### TRANSISTORS (25%)

CK754	53/-	92/-
OC26	30/10	52/5
OC30	35/3	55/10
2OC30	70/6	111/8
OC44	12/2	20/9
OC45	11/10	20/6
OC71	8/5	14/3
OC74	8/9	14/10
2OC74	17/6	29/8
OC170	12/2	20/9
OC171	14/4	24/1
OCP71	49/-	78/9
SFT107	12/5	21/-
SFT108	12/11	21/9
SFT123	9/5	14/9
SFT151	9/2	14/4
SFT153	9/5	14/9
TS1	6/2	10/-
TS2	8/9	13/8
TS3	9/7	14/11
TS3Z	9/11	15/9
2N132A	39/4	65/-

### TRANSISTORS (25%) — (Continued)

	Trade Each	Retail Each
2N185	10/9	17/8
2N250	30/8	48/8
2N252	12/3	20/8
2N270	12/8	21/8
2N308	11/11	20/8
2N309	12/3	20/8
2N362	20/-	34/8
2N363	17/4	29/8
2N370	14/10	25/8
2N372	14/9	25/8
2N384	38/6	62/8
2N414	31/4	52/8
2N416	86/8	145/8
2N417	112/-	188/8
2N422	29/8	49/8
2N467	36/-	59/8
2N483	24/-	41/8
2N484	26/8	44/8
2N485	24/-	41/8
2N631	26/8	44/8
2N633	20/4	34/8

### SEMI-CONDUCTORS — INDUSTRIAL SENSITORS

Section (See "Green")

#### Servisol

(See under "Solvents").

#### Shafts (25%)

	Each	Each
Brass, 2½" x ½"	11d.	1
Bush and Nut for same	1/2	2
Split Bush, ½" x ¾"	6d.	10

#### Shaft Extensions (25%)

Brass — ½" x ½"	1/8	2
Brass — ½" to ¾"	2/-	3

#### Shunts

#### Signal Tracers

(See "Green" Section)

#### Silicon (Pure)

#### Silicone Dielectric & Lubricant (12½%)

Aerosol Spray, DC4, Pressure Can	30/-	45/8
DC4, Compound, 8 oz. Tube	49/-	73/8

#### Silicon Grease (12½%)

	Each	Each
Q Plus, SG1	13/4	20/8

#### Silicon Rectifiers

(See under "Semi-Conductors").

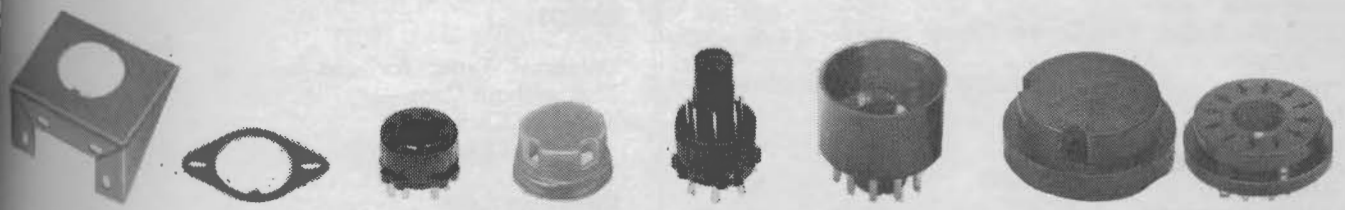
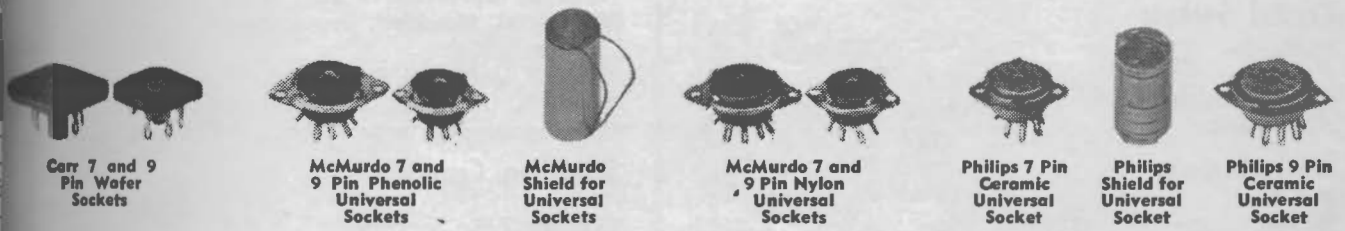
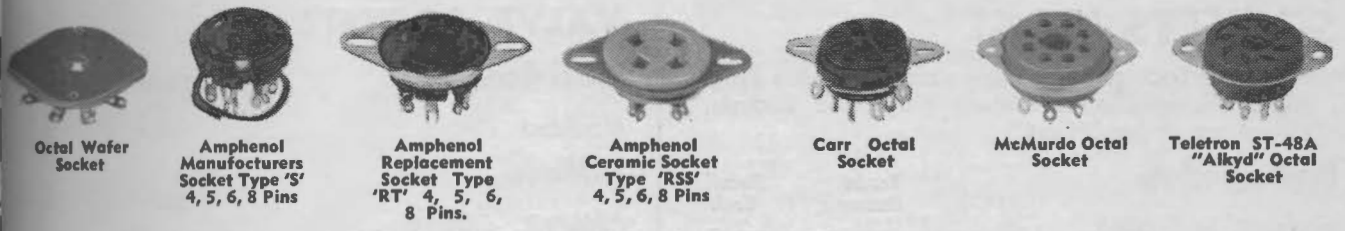
#### Sleeves-Rubber (8½%)

For use with "Maisha" Sleeving Tool for Binding F  
Ends—  
Size 4 (¾") Pkt. 500 40/5 53/8  
Assorted Pkt. 1000 30/- 40/8  
(Maisha Tool for above — See under "Tools").



)- (Continued)

Trade Each	Ref. Each
10/9	17/
30/8	48/
12/3	20/
12/8	21/
11/11	20/
12/3	20/
20/-	34/
17/4	29/
14/10	25/
14/9	25/
38/6	62/
31/4	52/
86/8	145/
112/-	188/
29/8	49/6
36/-	59/-
24/-	41/-
26/8	44/4
24/-	41/-
26/8	44/4
20/4	34/6



Section] (See "Green")

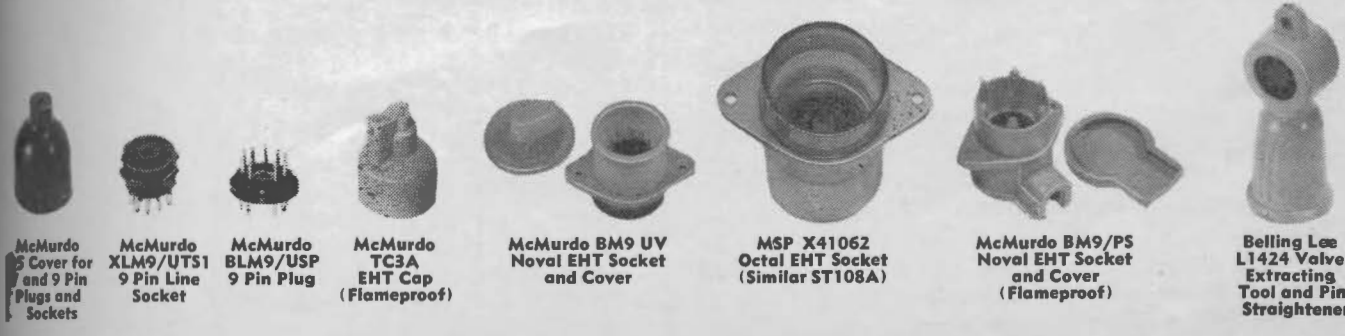
Each	Each
11d.	1/6
1/2	2/-
6d.	10d
1/8	2/9
2/-	3/4



Each	Each
30/-	45/-
49/-	73/6



Each	Each
13/4	20/-
40/5	53/11
30/-	40/-



for Binding Flex "Tools").

## 56 Sockets

### SOCKETS (25%)

Note — For Sockets particularly associated with Plugs, e.g., "Microphone" or "Multi Plugs and Sockets," please see under "Plugs."

#### Banana Sockets

	Trade Dozen	Retail Each
Insulated, Red, Black .....	13/-	2/-
Plain, with Nut .....	6/-	10d.

#### Crystal Sockets

##### McMurdo

	Each	Each
B2UA, Moulded .....	1/3	2/1
X2UB, Nylon .....	2/-	3/3

#### E.H.T. Sockets

##### M.S.P.

	Dozen	Each
X41062 (Similar ST108A), for 1B3GT .....	4/3	6/10

##### McMurdo

	Dozen	Each
BM9/PS, 9 Pin, with Cover, Flame-proof .....	2/6	4/2

##### Teletron

	Dozen	Each
ST108A, 8 Pin .....	6/-	9/9

#### Picture Tube Sockets

##### McMurdo

	Dozen	Each
B12/12U, 12 Pin, with Cover ..	2/6	4/3
B8/H, 8 Pin, with Cover, 110° ..	1/10	3/-

#### Three Pin Sockets (Minature)

##### McMurdo

	Dozen	Each
3 Pin, Moulded, Chassis .....	1/6	2/6
3 Pin, Moulded, Cord .....	1/6	2/6
Poly. Cover for same .....	1/6	2/6

#### Transistor Sockets

	Dozen	Each
Ferrocarr, 3 Pins .....	1/3	2/-
Philips, 3 Pins .....	1/3	2/-

### VALVE SOCKETS

#### Amphenol

	Dozen	Each
Type S — Manufacturer's Type .....	18/-	2/8
Type RT — Replacement Type .....	18/-	2/8
Type RS—Replacement Type, with Heavy Mtg. Plate .....	21/-	3/-
Type RSS — Steatite, Sizes 4, 5, 6, 8 Pins .....	63/-	8/6
Heavy Mounting Plates .....	4/-	7d.
Retaining Rings .....	4/-	7d.

#### Carr

	Dozen	Each
<b>Seven Pin</b>		
733174, Wafer .....	8/3	1/2
<b>Eight Pin</b>		
733210, Wafer .....	7/-	1/-
733211, General Purpose Phenolic .....	7/-	1/-
<b>Nine Pin</b>		
733213, Wafer .....	9/6	1/5
733267, Noval with P.T.F.E. Insulation, Solder Dipped Contacts — with Can Register .....	84/-	12/-

### VALVE SOCKETS (25%) (Continued)

#### Loctal Sockets

	Trade Dozen
Moulded .....	18/-

#### McMurdo

	Dozen
*BM7/P, Universal, 7 Pin, Moulded .....	9/-
*XM7/P, Universal, 7 Pin, Nylon B8U, Octal, Moulded, Replacement Type .....	11/-
*BM9/P, Universal, 9 Pin, Moulded .....	13/-
*XM9/P, Universal, 9 Pin, Nylon .....	10/-
*Can be used with or without Shield Can.	12/-

#### Screening Cans

	Dozen
19A, for 7 Pin Sockets .....	9/-
19A, for 9 Pin Sockets .....	9/-

#### Philips

	Each
Universal Type, for use with or without Cans—	
7 Pin, Ceramic .....	2/2
9 Pin, Ceramic .....	2/6

#### Screening Cans

	Dozen
Suit 7 or 9 Pin Sockets .....	1/6

#### Teletron

	Dozen
ST27G, 7 Pin, Phenolic .....	9/-
ST48A, 8 Pin, Alkyd, High Voltage .....	12/6
ST48G, 8 Pin, Phenolic .....	9/-
ST29G, 9 Pin, Phenolic .....	10/-

#### Socket Mounting Brackets (25%)

	Each
Amphenol Type, Wall or Rack Mounting .....	4/-

#### Socket Punches

(See under "Tools").

### SOLAR CELLS

(See "Green" Section)

## ADDITIONS

# 58 Solder Irons - Speakers

## SOLDER IRONS (Exempt) — (Continued) SUPERIOR IRONS

### Spares

		Trade Each	Retail Each
A1	Element .....	8/10	11/-
	Bit .....	2/4	2/11
A2	Element .....	11/2	13/11
	Bit .....	3/2	3/11
A4	Element .....	12/7	15/9
	Bit .....	4/10	6/1
A6	Element .....	14/1	17/7
	Bit .....	7/2	8/11
A9	Element .....	16/5	20/6
	Bit, 3/4", 1" .....	11/4	14/2
S4	Element .....	16/-	20/-
	Bit .....	3/7	4/6
S6	Element .....	11/4	14/2
	Bit .....	4/2	5/3
S30	Element .....	21/6	26/10
	Bit .....	16/5	20/6

### Solder Lugs

(See under "Hardware").

## SOLVENTS (Exempt)

### Q-Solv

	Each	Each
1/2 Pint Tins .....	7/8	11/6

### Servisol

1/2 Pint Tins .....	8/6	12/9
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### Spacers (25%)

Erinoid, 1" x 1/4", Tapped 1/8" Whit. each end .....	6d.	10d.
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## SPAGHETTI (12 1/2%)

### Varnished Cotton

	Yard	Yard
1 mm. ....	5d.	9d.
1.5 mm. ....	6d.	10d.
2 mm. ....	7d.	11d.
3 mm. ....	9d.	1/2
4mm. ....	10d.	1/3
5 mm. ....	1/1	1/7

### P.V.C. Tubing

1 mm., 1.5 mm. ....	1 1/2d.	3 1/2d.
2 mm. ....	2d.	4d.
3 mm. ....	3d.	5d.
4 mm. ....	4d.	6d.
5 mm. ....	5d.	8d.
6 mm. ....	6d.	9d.
8 mm. ....	8d.	1/-
10 mm. ....	10d.	1/3
11 mm. ....	1/-	1/6

## SPEAKERS (25%)

### Elac

	Trade Each	Retail Each
8/N/148, 8" .....	£4 0 0	£7 0 0
10/N/55, 10" .....	4 10 0	7 15 0

### Foster

G205, 2", for Transistor Radios	1 12 3	2 13 0
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### Goodmans

Audiom 60 .....	17 5 1	25 17 1
Axiette II .....	10 13 2	16 0 0
Axiom 300 .....	19 7 0	29 2 0

N.B.—Other Goodman Speakers to order.

## MSP—JENSEN

### Permanent Magnet Types

	New Type	Old Type	Trade Each	Retail Each
50041/2JR/15	—	—	£1 3 5	£1 15 4
50001/275JA/15	—	—	1 3 5	1 15 0
50002/3LA/3	20759	—	1 3 10	1 16 0
50003/3LA/15	—	—	1 3 10	1 16 0
50004/4MA/3	20801	—	1 3 10	1 16 5
50004/4MA/15	21019	—	1 3 10	1 16 5
50006/40A/3	—	—	1 9 9	2 5 5
50007/40A/15	21020	—	1 9 9	2 5 5
50008/525MA/3	20861	—	1 6 6	2 0 0
50009/525MA/15	—	—	1 6 6	2 0 0
50010/525OA/3	—	—	1 11 6	2 8 0
50011/525OA/15	21186	—	1 11 6	2 8 6
50012/6MA/3	—	—	1 8 4	2 3 6
50013/6MA/15	—	—	1 8 4	2 3 6
50014/60A/3	21069	—	1 13 3	2 11 6
50015/60A/15	21166	—	1 13 3	2 11 0
50018/64MA/3	—	—	1 7 0	2 1 2
50019/64MA/15	—	—	1 7 0	2 1 2
50020/64OA/3	—	—	1 12 0	2 8 2
50021/64OA/15	—	—	1 12 0	2 8 2
50022/75MA/3	—	—	1 9 3	1 14 2
50023/75MA/15	—	—	1 9 3	1 14 2
50024/75OA/3	20944	—	1 14 3	2 12 2
50025/75OA/15	21167	—	1 14 3	2 12 2
50034/96OA/3	21502	—	1 19 2	3 0 0
50035/96OA/15	21168	—	1 19 2	3 0 0
50295/96PSX/15	—	—	2 14 9	4 4 0
—	20946/96PS/3	—	2 7 9	3 13 0
—	21025/96PS/6	—	2 7 9	3 13 0
—	21169/96PS/15	—	2 7 9	3 13 0
—	21580/12PU/3	—	2 12 3	4 0 0
—	21570/12PS/6	—	3 2 5	4 15 0
—	21546/12PR/15	—	3 3 10	4 17 0
—	21567/12PQ/15	—	5 3 6	7 18 0

**M.S.P. SPEAKERS (25%) — (Continued)**

**Low Frequency Types**

	Trade Each	Retail Each
20910/96PS/15 .....	2 7 9	3 13 3
21011/12PS/15 .....	3 2 5	4 15 8
21545/12PR/15 .....	3 3 10	4 17 11
20928/12PQ/15 .....	5 3 6	7 18 4

**High Frequency Type**

20766/6PU/25 .....	1 13 3	2 11 0
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**Radial Beam Duo Speaker**

21188/12PQCB .....	14 0 0	22 0 0
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**Peerless**

MJ20HFC, 2", H.F. Tweeter ...	4 4 5	6 2 5
Q825FM, 8½", Dual Cone .....	3 10 0	5 1 6
C100W, 10", Woofer .....	7 0 0	10 3 0
C100FM, 10", Dual Cone .....	4 10 8	6 11 6

**N.B.**—Above Peerless Speakers—15 Ohms., Voice Coil Impedance. Other Speakers to order.

**ROLA**

**Permanent Magnet Types**

Model	Size Inches	V.C. Ohms	Each	Each
20C	2	15	1 2 11	1 16 0
2C	2½	15	1 3 5	1 16 10
3C	3	3.5	1 3 6	1 17 0
4C	4	3.5	1 3 6	1 17 0
4F	4	3.5	1 9 3	2 6 0
5C	5	3.5	1 5 8	2 0 6
5F	5	3.5	1 10 7	2 8 0
5FX	5	3.5/15	1 12 1	2 10 6
5-4C	5 x 4	3.5	1 6 6	2 2 0
5-4F	5 x 4	3.5	1 12 2	2 10 6
6H	6	3.5	1 12 10	2 11 6
6M	6	3.5	2 2 0	3 6 0
7-5C	7 x 5	15	1 9 3	2 4 9
7-5H	7 x 5	3.5	1 13 8	2 13 0
7-5L	7 x 5	3.5	1 19 10	3 2 6
8H	8	3.5	1 17 7	2 19 0
8M	8	2/15	2 6 11	3 14 0
8MX	8	2/15	2 17 6	4 10 6
9-6H	9 x 6	3.5	1 18 5	3 0 6
9-6L	9 x 6	3.5	2 4 8	3 10 0
9-6LX	9 x 6	15	2 11 8	4 1 0
10-3G	10 x 3	3.5	1 14 6	2 14 6
12M	12	2/15	3 1 3	4 16 6
12MX	12	2/15	3 15 2	5 18 0
12P	12	15	9 3 6	14 1 0
12PX	12	15	9 14 6	15 5 0
12U	12	8/15	14 2 10	22 3 6
12UX	12	15	15 9 5	24 5 0

**WHARFEDALE**

Super, 3 .....	9 1 6	13 12 4
Super, 8 FSAL .....	9 1 6	13 12 4
W/10/FSB .....	16 17 0	25 5 6
Super, 12FS/AL .....	30 14 9	44 3 7
Column, 8/145 .....	10 7 0	15 10 6

**N.B.** — Other Wharfedale Speakers to order.

**EXTENSION SPEAKERS (25%)**

**Aegis**

	Trade Each	Retail Each
SP5, 5", Gold, Blue, Red .....	59/6	99/3
SP6, 6", Walnut, Cream .....	75/-	125/-
SP8, 8", Walnut, Cream .....	95/6	159/6
SP8, with Volume Control .....	108/7	181/-

**Q. Plus**

	Each	Each
ES1, 5", Ivory .....	43/4	72/6

**Speaker Cabinets**

(See under "Cabinets")

**Speaker Flare**

(See under "Flares").

**SPEAKER GRILLES (12½%)**

**Expanded Aluminium**

	Per Sheet Each	Per Sheet Each
Sheets, 27" x 13½"—		
Silver .....	16/9	25/2
Gold .....	27/-	40/6
Sheets, 27" x 18"—		
Silver .....	22/-	33/-
Gold .....	36/-	54/-

**Plastic Material**

**Hi-Fi Grille Fabric — Various Colors and Patterns.**

**Sarlon**

	Roll	Roll
Roll, 27" x 30" .....	24/9	33/11
	Yard	Yard
Bulk, SR860, 54" wide .....	49/4	81/6
Bulk, SR813, 60" wide .....	54/10	92/3

**Tygan**

	Roll	Roll
Roll, 36" x 30" .....	29/3	45/-

**Speaker Choke and Speaker Choke Windings**

(See under "Chokes").

**SPEAKER TRANSFORMERS (25%)**

**M.S.P.—Jensen**

	Each	Each
Type XJ, 3—4 Ohms., V.C. ....	12/-	18/6
Type XA, 3—4 Ohms., V.C. ....	13/8	21/3
Type TU, 6—8 Ohms., V.C. ....	20/9	32/7
Type TX, 12—16 Ohms., V.C. ...	28/10	45/3

**SPEAKER TRANSFORMERS (25%)**  
—(Continued)

Rola		Trade Each	Retail Each
Type B—Output	.....	28/10	45/3
" C—Output	.....	20/9	32/9
" D—Output	.....	18/2	28/6
" E—Output	.....	13/9	21/9
Driver	.....	17/4	27/3
" G—Output	.....	16/3	25/6
Driver	.....	19/9	31/-
" J—Output	.....	14/8	23/-
Driver	.....	15/6	24/3
" K—Output	.....	19/6	30/9
Driver	.....	23/1	36/3
" L—Output	.....	12/11	20/3
Driver	.....	16/6	26/-
" N—Output	.....	12/11	20/3
Driver	.....	16/6	26/-
" Q—Output	.....	15/3	24/-
Driver	.....	18/10	29/6
" S—Output	.....	12/11	20/3
Driver	.....	16/6	26/-
" T—Output	.....	10/8	16/9
Driver	.....	14/3	22/6

**SPEAKER TRANSFORMER WINDINGS**

**Bramco-Magnavox-Amplion-Jensen**

	Trade Each	Retail Each
(Core, 3/4" x 3/4" x 1-1/16")		
A1, Pri. 2500 Ohms.-Sec. 2 Ohms.	9/-	15/-
B1, Pri. 5000 Ohms.-Sec. 2 Ohms.	9/-	15/-
C1, Pri. 7000 Ohms.-Sec. 2 Ohms.	9/-	15/-
D1, Pri. 10,000 Ohms.-Sec. 2 Ohms.	9/-	15/-
E1, Pri. 15,000 Ohms.-Sec. 2 Ohms.	9/-	15/-

**Rola**

(Core, 11/16" x 13/16" x 1")		
RA, Pri. 2500 Ohms.-Sec. 2 Ohms.	9/-	15/-
RB, Pri. 5000 Ohms.-Sec. 2 Ohms.	9/-	15/-
RC, Pri. 7000 Ohms.-Sec. 2 Ohms.	9/-	15/-
RD, Pri. 10,000 Ohms.-Sec. 2 Ohms.	9/-	15/-
RE, Pri. 15,000 Ohms.-Sec. 2 Ohms.	9/-	15/-

**Rola**

(Core, 9/16" x 23/32" x 3/4")		
MRA, Pri. 2500 Ohms.-Sec. 3.7 Ohms.	8/3	13/8
MRB, Pri. 5000 Ohms.-Sec. 3.7 Ohms.	8/3	13/8
MRC, Pri. 7000 Ohms.-Sec. 3.7 Ohms.	8/3	13/8
MRD, Pri. 10,000 Ohms.-Sec. 3.7 Ohms.	8/3	13/8
MRE, Pri. 15,000 Ohms.-Sec. 3.7 Ohms.	8/3	13/8

**SPEAKER TRANSFORMERS WINDINGS (25%) — (Continued)**

Rola-Amplion-Jensen		Trade Each
(Core, 9/16" x 9/16" x 3/4")		
MRAK, Pri. 2500 Ohms.-Sec. 3.7 Ohms.	.....	8/3
MRBK, Pri. 5000 Ohms.-Sec. 3.7 Ohms.	.....	8/3
MRCK, Pri. 7000 Ohms.-Sec. 3.7 Ohms.	.....	8/3
MRDK, Pri. 10,000 Ohms.-Sec. 3.7 Ohms.	.....	8/3
MREK, Pri. 15,000 Ohms.-Sec. 3.7 Ohms.	.....	8/3

**Rola-Magnavox**

(Core, 1/2" x 1/2" x 3/4")		
MRAF, Pri. 2500 Ohms.-Sec. 3.7 Ohms.	.....	8/3
MRBF, Pri. 5000 Ohms.-Sec. 3.7 Ohms.	.....	8/3
MRCF, Pri. 5000 Ohms.-Sec. 3.7 Ohms.	.....	8/3
MRDF, Pri. 10,000 Ohms.-Sec. 3.7 Ohms.	.....	8/3
MREF, Pri. 15,000 Ohms.-Sec. 3.7 Ohms.	.....	8/3

**Old Type—High Impedance**

(Core, 3/4" x 3/4" x 1-1/16")		
JA, Pri. 2500 Ohms.-Sec. 8 Ohms.	9/-	15/-
JB, Pri. 5000 Ohms.-Sec. 8 Ohms.	9/-	15/-
JC, Pri. 7000 Ohms.-Sec. 8 Ohms.	9/-	15/-
JD, Pri. 10,000 Ohms.-Sec. 8 Ohms.	9/-	15/-
JE, Pri. 15,000 Ohms.-Sec. 8 Ohms.	9/-	15/-

**Springs—Dial**

(See under "Dial — Sundries").

**Stabistors**

**Stands for Panelmeters**

} (See "Green" Section)

**Stand Off Insulators—T.V.**

(See under "Insulators").

**Strain Gauges**

(See "Green" Section).

**Strap Clips**

(See under Hardware).

**Strapping (12 1/2%)**

	Roll
Skyline, PN200, Stainless Steel, 50' Roll	49/11

**Strap Seals (12 1/2%)**

	Dozen
Skyline, 212, Galvanised	2/6

RMERS  
(Continued)

## Suppliers—Wire

See under "Tools".

## Strips

See under "Terminal Strips".

## Stylis

See under "Gramo".

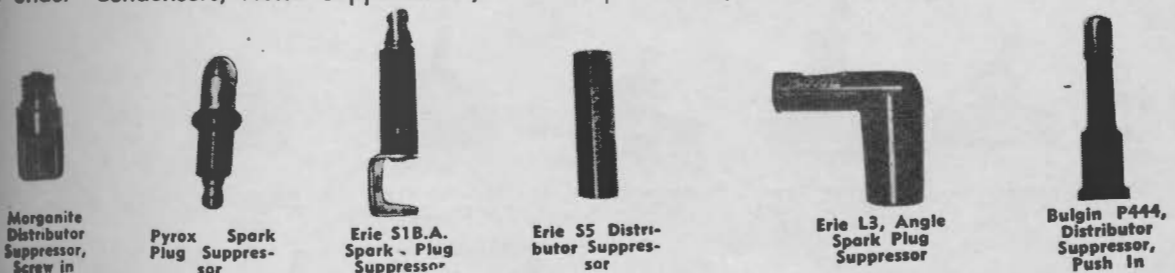
## Suppressor Condensers

See under "Condensers, Noise Suppression".

## SUPPRESSORS (12½%)

	Each Trade	Each Retail
Bulgin, P444, Distributor, Plug In	3/-	4/9
Erie, L3, Angle Spark Plug	2/8	4/4
Erie, S1BA, Spark Plugs	2/8	4/4
Erie, S5, Distributor, Screw In	2/8	4/4
Morganite, Distributor, Screw In	3/6	5/8
Pyrox, Spark Plug	1/6	2/6
Weston, Distributor, Plug In	2/8	4/4

Trade Each	Retail Each
8/3	13/8
8/3	13/8
8/3	13/8
8/3	13/8
8/3	13/8
8/3	13/8



## SWITCHES

### Alpha

Type.	Descrip.	Op.	Rating.	Term.	Tax	Trade Each	Retail Each
A	S.P.D.T. S/N	Toggle	2A., A.C.	Solder	25%	4/5	7/9
B	S.P.D.T. L/N	Toggle	2A., A.C.	Solder	25%	6/11	12/2
C	S.P.D.T.	S/Rotary	2A., A.C.	Solder	25%	5/5	9/6
D	D.P.S.T. S/N	Toggle	1A., A.C.	Solder	25%	6/8	11/8
E	D.P.S.T.	S/Rotary	1A., A.C.	Solder	25%	8/5	14/9
F	D.P.D.T. S/N	Toggle	1A., A.C.	Solder	25%	8/5	14/9
G	D.P.D.T.	S/Rotary	1A., A.C.	Solder	25%	9/9	17/1
H	D.P.D.T. L/N	Toggle	1A., A.C.	Solder	25%	8/9	15/4
J	D.P.D.T. L/N	Toggle	1A., A.C.	Solder	25%	10/5	18/3
K	D.P.S.T. S/N	Toggle	3A., A.C.-D.C.	Screw	8½%	6/-	9/6
L	S.P.D.T. Press-off or Press-on	Spring Top Plunger	2A., A.C.	Solder	8½%	8/11	14/2
M	S.P.S.T. S/N	Toggle	3A., A.C.-D.C.	Screw	8½%	4/3	6/5
R	S.P.S.T. S/N	Toggle	1A., A.C.	Solder	25%	4/5	7/9
S	S.P. Cab. Light Press-off Plunger	Plunger	½A., A.C.	Solder	8½%	3/-	4/6
S	S.P. Cab. Light Press-on Plunger	Plunger	½A., A.C.	Solder	8½%	3/-	4/6

### Alpha "On/Off" Indicator Plates (12½%)

NOTES—S.P. — Single Pole.  
D.P. — Double Pole.  
S/N. — Short Neck.

S.T. — Single Throw.  
D.T. — Double Throw.  
L/N. — Long Neck.

### Arrow

Type.	Descrip.	Op.	Rating.	Term.	Tax	Trade Each	Retail Each
B591	S.P.S.T. Norm. Off	Plunger	3A., A.C.	Solder	25%	8/-	14/-
8040	S.P.S.T.	Toggle	2A., A.C.	Solder	25%	4/6	7/10
8080	S.P.S.T.	Toggle	2A., A.C.	Solder	25%	4/6	7/10
8086	S.P.S.T. P/On, P/Off	Plunger	3A., A.C.	Screw	25%	8/-	13/-
8103	S.P.S.T. Appliance	Toggle	4A., A.C.	Screw	8½%	6/6	11/4
8150	S.P.S.T. Vac.	Toggle	4A., A.C.	Screw	8½%	6/9	11/4
8220	S.P.S.T. Vac.	Toggle	3A., A.C.	Screw	8½%	6/-	10/6
8963	S.P.S.T.	Toggle	3A., A.C.	Screw	25%	5/6	9/3
20902	D.P.S.T.	Toggle	1A., A.C.	Solder	25%	6/9	11/9
20905	D.P.D.T.	Toggle	1A., A.C.	Solder	25%	7/9	13/7
21191	S.P.D.T.	Toggle	1A., A.C.	Solder	25%	5/3	9/2
80220	S.P.S.T. Vac.	Slide	3A., A.C.	Screw	8½%	7/6	14/-
80323A	S.P.S.T. Vac.	Toggle	3A., A.C.	Screw	8½%	6/8	11/9
80617E	D.P.S.T. Tool	Trigger	10A.	Screw	Ex.	12/7	19/-
80713	D.P.S.T. P/On, P/Off	Plunger	1A., A.C.	Solder	25%	9/4	16/4

"Green" Section

Roll	Roll
49/11	74/11

Dozen	Each 4d.
2/6	



Alpha Type 'R,' SPST 1A, 250V



Alpha Type 'M,' SPST 3A, 250V



Arrow 8040 SPST, 2A, 250V



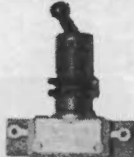
Arrow 8080 SPST, 2A, 250V



Bar 100, SPST, 2A, 250V



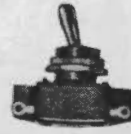
Alpha Type 'A,' SPDT, 2A, 250V



Alpha Type 'B' SPDT, Long Neck, 2A, 250V



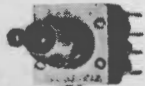
Arrow 21191, SPDT, 1A, 250V



Bar 101 SPDT, 2A, 250V



Alpha Type 'D,' DPST, 1A, 250V



Alpha Type 'H,' DPST, Long Neck, 1A, 250V



Arrow 20902, DPST, 1A, 250V



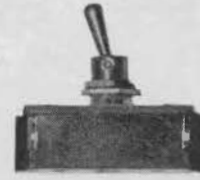
Bar 132, DPST, 2A, 250V



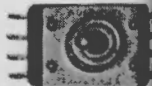
Cutler Hammer, DPST, 3A, 250V



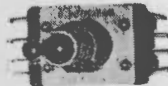
Cutler Hammer, DPST, 6A, 250V



Cutler Hammer, DPST, 10A, 250V



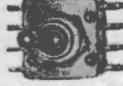
Alpha Type 'F,' DPDT, 1A, 250V



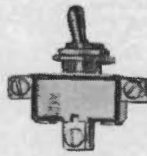
Alpha Type 'J,' DPDT, Long Neck, 1A, 250V



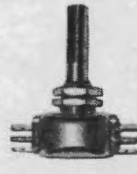
Arrow 20905, DPDT, 1A, 250V



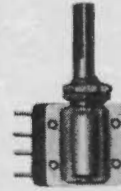
Bar 133, DPDT, 2A, 250V



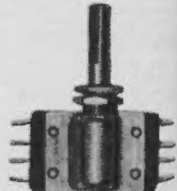
Cutler Hammer, DPDT, 3A, 250V



Alpha Type 'C,' SPDT, Semi Rotary, 2A, 250V



Alpha Type 'E,' DPST, Semi Rotary, 1A, 250V



Alpha Type 'G,' DPDT, Semi Rotary, 1A, 250V



Alpha Type 'L,' Push on, 2A, 250V



Alpha Type 'S,' Refrigerator, normally on, or normally off, 1A, 250V



Arrow 3591, normally off, 3A, 250V



Arrow 8086, Push on, Push off, 3A, 250V



Arrow 80713, DPST, Push on, Push off, 1A, 250V



Bar Door Switch, Push on, or Push off, 2A, 250V



Bar 3220/05 Foot Press, Push on, 2A, 250V



Bar 3220/05 Foot Press, Push on, Push off, 2A, 250V



Lorimer Tall Light Pull, Push



Arrow 80220, Vacuum Cleaner, Slide, 3A, 250V



Arrow 8220, Polisher, 3A, 250V



Arrow 8103, SPST, Appliance, 4A, 250V



Arrow 80323, Vacuum Cleaner, 3A, 250V



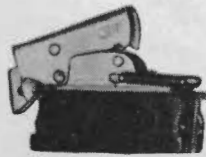
Bar, Appliance, DPST, 6A, 250V



Bar, Midget Appliance, 1.5A, 250V



Bar Instrument, DPDT, 1 MA, 20V



Arrow 80617E Tool Trigger, 10A, 250V



Bar DPDT, with "off" in Centre, 4A, 250V, AC/DC



Bar 325, DPDT, 10A, 250V



Bar, Floor, with Escut., DPST, 4A, 250V



Energ 207, 1-Way, Rotary, Lamp, Lum. Button, 2A, 240V



H.K., SPST, Lamp, 1A, 250V



H.K., DP, Lamp, Push on, Push off, 1A, 250V



Bar Cord Switch, 2A, 250V

**SWITCHES — (Continued)**

**Arrow Three Heat Types (Exempt)**

	Trade Each	Retail Each
9612, 5 Amps. ....	16/7	24/6
9622, 7.5 Amps. ....	18/6	27/6
9632, 10 Amps. ....	19/11	29/6
9642, 15 Amps. ....	24/2	36/-
9642 5, 20 Amps. ....	27/11	40/6
9652 5, 25 Amps. ....	34/1	50/6
Type "M", Flush Fitting ....	14/6	20/9

**ADDITIONS**

Bar Type.	Descrip.	Op.	Rating.	Term.	Tax	Trade Each	Retail Each
100	S.P.S.T. ....	Toggle, Metal	2A.	Solder	25%	3/9	6/5
100	S.P.S.T. ....	Toggle, Bakelite	2A.	Solder	25%	3/9	6/5
100L	S.P.S.T. ....	Toggle, Luminous	2A.	Solder	25%	3/9	6/5
101	S.P.D.T. ....	Toggle	2A.	Solder	25%	4/6	7/10
132	D.P.S.T. ....	Toggle	2A.	Solder	25%	6/4	11/2
133	D.P.D.T. ....	Toggle	2A.	Solder	25%	6/10	12/-
236/8	D.P.S.T., P/On, P/Off ....	Plunger, Luminous	2A.	Screw	8½%	3/4	5/2
90	D.P.D.T. ....	Toggle	10A.	Screw	25%	21/4	37/-
470	D.P.D.T., "Off" in Centre ...	Toggle	4A., A.C.-D.C.	Screw	25%	20/-	35/-
3001/L	S.P.S.T., M/Color	Plunger, Luminous	2A.	Screw	8½%	2/2	3/6
Instrument Cord	D.P.D.T. ....	Toggle	1 Ma. 20v.	Solder	12½%	13/6	20/3
Cab. Door	S.P.S.T. ....	Toggle	2A.	Screw	8½%	3/8	5/11
Cab. Door	S.P.S.T. ....	Plunger, P/Off	2A.	Screw	8½%	4/11	8/-
		Plunger, P/On, P/Off	2A.	Solder	8½%	7/11	12/11
Appliance	S.P.S.T. ....	Toggle	2A.	Solder	8½%	4/5	7/9
3100	S.P.S.T. ....	Plunger, P/Off	2A.	Screw	8½%	3/9	5/8
8220/05	S.P.S.T. ....	Foot Press	2A.	Solder	25%	6/5	10/5
8220/05	S.P.S.T., P/On, P/Off ....	Foot Press	2A.	Screw	25%	8/11	14/6
Appliance	D.P.S.T. ....	Toggle	6A., A.C.-D.C.	Screw	8½%	6/9	11/10

**Cutler Hammer**

Type.	Descrip.	Op.	Rating.	Term.	Tax	Each	Each
8295K7	S.P.S.T. ....	Toggle	3A.	Screw	25%	4/5	6/5
8372K8	D.P.S.T. ....	Toggle	3A.	Screw	25%	7/10	11/6
8375K8	D.P.D.T. ....	Toggle	3A.	Screw	25%	9/1	13/3
7320K3	D.P.S.T. ....	Toggle	6A.	Screw	25%	8/1	11/9
7360K8	D.P.S.T. ....	Toggle	10A.	Screw	25%	11/10	17/3

**Ducon**

DSR001	D.P.S.T. ....	Rotary	2A.	Solder	25%	7/2	11/9
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(For Thorn Atlas)

**Duperite**

2512-Lamp	D.P.S.T. ....	Toggle	1A.	Solder	8½%	4/1	6/7
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**Energo**

B07SP	S.P. ....	Rotary	2A.	Screw	8½%	1/9	3/-
B07DP	D.P. ....	Rotary	2A.	Screw	8½%	3/-	4/6

**H.K.**

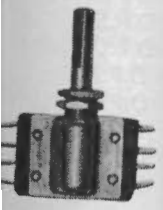
1034	S.P.S.T. ....	Toggle	2A.	Screw	25%	4/6	7/10
Lamp	S.P.S.T., P/On	Plunger	1A.	Screw	8½%	2/-	3/3
Lamp	D.P.S.T., P/On	Plunger	1A.	Screw	8½%	3/4	5/2

PST, V

Cutler Hammer, SP, 250V



Alpha Type 'F' DPDT, 1A, 250V



Alpha Type 'G' DPDT, Semi Rotary, 1A, 250V



Painted to Tel 501404



Bar Instrument, DPDT, 1 MA, 20V



Bar Cord Switch, 2A, 250V



## 64 Switches - Tapes

### SWITCHES—(Continued)

Label (25%)	Trade Each	Retail Each
<b>Wafer Types — Single Deck</b>		
1 Pole, 12 Positions .....	8/6	14/-
2 Poles, 4 Positions .....	8/6	14/-
2 Poles, 5 Positions .....	8/6	14/-
2 Poles, 6 Positions .....	8/6	14/-
3 Poles, 3 Positions .....	8/6	14/-
4 Poles, 2 Positions .....	8/6	14/-
4 Poles, 3 Positions .....	8/6	14/-

#### Lorimer (12½%)

Tail Light, Push, Pull, Type L101 ...	4/2	6/4
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#### Meemade—Special Purpose

(See "Green" Section).

#### M.S.P. (25%)

	Each	Each
Type 78, D.P.D.T., Slide .....	4/10	7/8

#### OAK (25%)

##### Series 20—Earth Return

	Each	Each
Type 20, S.P., 2 Position .....	3/7	5/6
Type 24, S.P., 3 Position .....	3/8	5/7

#### Insulated Return

Type 23, S.P., 2 Position .....	3/9	5/9
Type 27, S.P., 3 Position .....	4/4	6/8
Type 22, D.P., 2 Position .....	4/8	7/2
Type 22, D.P., Spring Return .....	8/-	12/-
Type 28, D.P., 3 Position .....	4/10	7/6
Type 26, 3 Poles, 2 Position .....	4/11	7/7

#### Wafer, Type H.

AK	Sections	Poles	Positions	Each	Each
AK19211	1	1	11	8/1	12/5
AK19221	2			13/3	20/7
AK19231	3			18/2	28/5
AK19210	1	1	12	9/7	15/-
AK19220	2			16/10	26/6
AK19230	3			22/10	36/-
AK19214	1	2	4	7/9	12/1
AK19224	2			12/11	20/3
AK19234	3			17/10	28/1
AK19215	1	2	5	7/9	12/1
AK19225	2			12/11	20/3
AK19235	3			17/10	28/1
	1	2	6	9/7	15/-
	2			16/10	26/6
	3			22/10	36/-
AK19213	1	3	3	7/9	12/1
AK19223	2			12/11	20/3
AK19233	3			17/10	28/1
AK19212	1	4	2	7/9	12/1
AK19222	2			12/11	20/3
AK19232	3			17/10	28/1
AK19216	1	6	2	9/7	15/-
AK19226	2			16/10	26/6
AK19236	3			22/10	36/-

### SWITCHES—(Continued)

#### Painton (12½%)

501404, Press to Talk .....	Trade Each	14/4
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#### Palec (12½%)

##### 10 Amp. Rotary, Non-Shorting, Single Deck

1 Pole, 12 Positions .....	Each	11/8
2 Poles, 6 Positions .....	12/1	
3 Poles, 4 Positions .....	12/5	
4 Poles, 3 Positions .....	12/9	

##### Extra Decks

1 Pole, 12 Positions .....	7/3
2 Poles, 6 Positions .....	7/7
3 Poles, 4 Positions .....	7/11
4 Poles, 3 Positions .....	8/4

#### Sato (25%)

456, Antenna Knife Switch, DPDT ...	Each	4/-
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#### Tecnico (8½%)

Rotoshine, Plunger, with Plate .....	Each	9/4
Old 2 Brush, Toggle, 5A .....	2/10	

## TAPE

### CELLULOSE TRANSPARENT (Exempt)

#### "Scotch", 600

	Each
½" x 36 Yards .....	—
½" x 72 Yards .....	—
¾" x 72 Yards .....	—
(Lots of 6 — Less 10%).	

### TAPE DISPENSERS

#### Scotch

Hand Type — Bakelite (Exempt) ...	—
De Luxe H.D.—For Counter (12½%)	—

### ELECTRICAL (12½%)

#### Menzotape

	Each
<b>P.V.C. (Cardboard Reels)</b>	
¾" x 11 Yards — Grey .....	2/8

#### Nitto

	Each
<b>P.V.C. (Metal Reels)</b>	
¾" x 11 Yards (Black or White) .....	2/8
¾" x 22 Yards (Black or White) .....	5/4

**G MACHINERY**

**TAPE RECORDERS — (Continued)**

TAPE DECK (12½%)	Trade Each	Retail Each
C. Caro—Studio .....	22 7 6 31	8 2
G. Goldring—TD1, Magnetic .....	20 0 0 30	0 0

**TAPE HEAD CLEANER (12½%)**

Klonsatape	Trade Each	Retail Each
Time and Erase Head Cleaner—Removes one of the main causes of distortion and faulty recording .....	18/-	30/-

**TAPE SPLICER (12½%)**

G. Goldring TS-916 .....	18/9	30/-
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**TAPE TABS (12½%)**

Metro-Tabs—Coloured Tabs used to identify Recorded Passages on Tapes—Complete with Index	Trade Each	Retail Each
.....	6/2	10/6

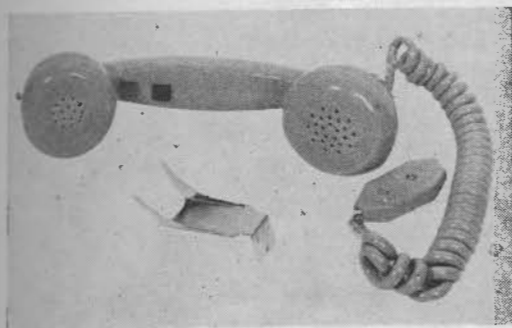
**TELEPHONES (12½%)**

**Star Phone — Model SA10W:**  
One Set consists of a Pair of Receivers with Transmitters; uses 2 x 915 Cells; ideal for Construction and Engineering Work, Rail, Road, Mines, Office Work, Work, Schools, Factories, Hotels, Theatres, etc. ....

£9 0 0	£12 12 0
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**Spares**

Plastic Arm, Complete with Caps .....	1 7 9	2 1 8
Transformer .....	1 11 6	2 7 3
Microphones .....	0 12 0	0 18 0
Signal Switches .....	0 2 0	0 3 0



**TERMINAL LEAD THRU'  
TERMINAL POST  
TERMINAL STRIP — POLAR**

(See "Green" Section)

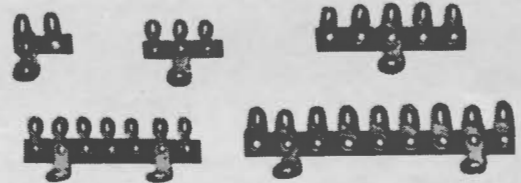


Gallard Terminal, Large Screw down

Belling Lee Terminal, Screw down

**TERMINALS (25%)**

	Trade Each	Retail Each
Belling Lee, L1001/1SB (Has Socket in Top—Red, Black) .....	4/5	7/5
Gallard, Screw Type, Red Black:		
Type 1C—Large .....	4/8	8/-
Type 2C—Small .....	4/8	8/-
Goldring, T363B, Socket in Top; Red, Black—Screw Type .....	2/3	3/9
G.R.A., Universal, Binding Post and Banana Socket, Red, Black .....	4/-	6/9
Jabel — Insulated Spring:		
Colors: Black, Red, Dark Blue, Green, Yellow .....	9d.	1/4
Sato, Insulated, Screw Type, Socket in Top:—		
Type 3025 — White .....		
" 3026 — Black .....		
" 3027 — Red .....		
" 3028 — Green .....		
" 3029 — Yellow .....	2/6	4/-
Metal Push-Down .....	1/9	2/11



Insulated mounting Strip, 2, 3, 5, 7, and 9 lug

**STANDARD SERIES**

**TERMINAL STRIPS (25%)**

**"Cinch" Lug Anchor Strips 745-6 Standard Series**

	Trade Dozen	Retail Each
2 Lugs, 1 Insul., 1 Earthed .....	2/9	4½d.
3 Lugs, 2 Insul., 1 Earthed .....	3/6	5½d.
5 Lugs, 4 Insul., 1 Earthed .....	5/6	8d.
7 Lugs, 5 Insul., 2 Earthed .....	8/-	1/1
9 Lugs, 7 Insul., 2 Earthed .....	9/-	1/2
11 Lugs, 9 Insul., 2 Earthed .....	10/-	1/4

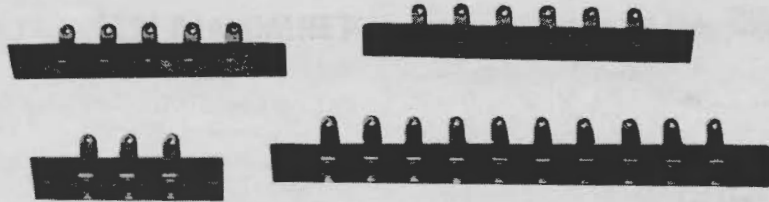
**"Cinch" Lug Anchor Strips 745A Miniature Series**

2 Lugs, 1 Insul., 1 Earthed .....	3/-	5d.
3 Lugs, 2 Insul., 1 Earthed .....	4/3	7d.
5 Lugs, 4 Insul., 1 Earthed .....	7/-	11d.
7 Lugs, 5 Insul., 2 Earthed .....	9/9	1/4
9 Lugs, 7 Insul., 2 Earthed .....	12/6	1/9

**"Cinch" Screw Type Terminal Strips**

	Each	Each
1722—2 Way .....	9d.	1/3
1723—3 Way .....	1/2	2/-
1724—4 Way .....	1/6	2/6
1725—5 Way .....	1/11	3/3
1726—6 Way .....	2/3	4/-
1727—7 Way .....	2/8	4/6
1728—8 Way .....	3/-	5/-
1729—9 Way .....	3/5	5/9
1730—10 Way .....	3/9	6/6

See Illustration, next page

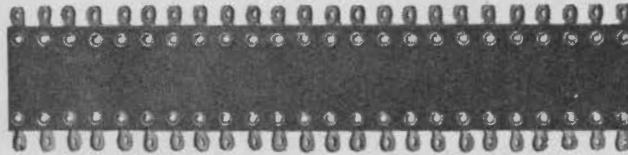


"CINCH" Terminal Panels, 3, 4, 5, 6, 7, 9, 10 way

**TERMINAL STRIPS (25%) — (Continued)**

**"Cinch" Resistor Mounting Strips**

	Trade Each	Retail Each
745-19-1, 35" (approx.) x 1½" (½" Spacing) 2 x 70 Lugs	16/6	26/9
745-16-2, 12" x 2" (½" Spacing), 2 x 24 Lugs	5/6	9/3
48B, 12" x 1½", ½" Spacing, 2 x 48 Lugs, Miniature	10/6	17/9



"CINCH" Terminal Mounting Strip, 2 x 24 lug

**"Mee" Resistor Mounting Strips**

	Each	Each
S76, 9" x ½", 1 x 24 Lugs	3/3	5/6
S76, 9" x 2", 2 x 24 Lugs	6/6	10/9
108, 7½" x 1½", 2 x 24 Lugs	4/6	7/9

**TEST EQUIPMENT**

(See "Green" Section).

**THERMISTORS (25%)**

**A.W.A.**

Type	Each	Each
Type 893703	4/5	7/-

**S.T.C. "Brimistor"**

Type	Initial Resistance			Max. Oper. Current Amps.	Each	Each
	0°C.	20°C.	50°C.			
C4	1,700	800	320	1.25	4/9	6/3
CZ1/1A	8,300	3,800	1,400	0.3	2/4	3/6
CZ2	12,500	5,500	1,850	0.3	2/4	3/6
CZ3	3,500	1,500	560	0.2	2/4	3/6
CZ4	1,700	800	320	1.25	4/3	5/9
CZ6	6,000	3,000	1,120	0.45	3/3	4/6
CZ8A	3,700	1,600	620	0.3	2/4	3/6
CZ9A	800	350	130	1.0	2/-	3/-
CZ10	26,000	11,000	4,000	0.075	2/-	3/-
CZ11	280	140	65	1.5	4/2	6/3
CZ12	240	120	53	2.5	5/-	7/6

**THIMBLES (12½%)**

	Dozen	Each
½" (Rope Diameter)	7/6	1/-
5/16" (Rope Diameter)	9/-	1/2

**TOOLS**

(Exempt, except where indicated).

**ALIGNING TOOLS**

**Mastermade**

	Trade Each
GR100, Standard, ½" Hex. and Driver Tips	4/6
GR105, Standard, Driver and Recessed Tips	4/3
GR110, Miniature, Recessed Tip	3/5
GR, Nylon, 18", Hex. and Driver Tips (for hard-to-get-at Tuners, etc.)	5/8

**Q Plus**

AT1, Nylon, Hex. and Driver Tips	2/8
AT2, Nylon, Hex. Both Ends	2/8
AT3, Nylon, 15", Hex. and Driver Tips	3/4

**DRILLS — ELECTRIC**

**K.B.C.**

**Drills, 240 Volts (Exempt Tax)**

	Each
A738-K6, ¼", De Luxe, 2000 R.P.M.	£13 6 3 £17
A1142-K7, ⅜", Craftsman, 2000 R.P.M.	15 16 10 21
A1283-K15, ⅜", Craftsman, Dual Speed, 2000-750 R.P.M.	19 2 1 25
A1289-K20, ½" Heavy Duty, Dual Speed, 2000-625 R.P.M.	23 8 9 31
A1290-K21, ½" Heavy Duty, Dual Speed, 3000-625 R.P.M.	23 8 9 31
A1291-K22, ⅜", Heavy Duty, Dual Speed, 2000-625 R.P.M.	22 9 7 29
A1292-K23, ⅜", Heavy Duty, Dual Speed, 3000-625 R.P.M.	22 9 7 29
A1051-K24, ½", Heavy Duty, Single Speed, 625 R.P.M.	21 3 9 28
A1052-K25, ⅜", Heavy Duty, Single Speed, 900 R.P.M.	20 16 3 27
A1053-K26, ¼", Heavy Duty, Single Speed, 1200 R.P.M.	19 11 10 26

# 74 Tools—Transformers

## TOOLS—(Continued)

### SOCKET PUNCHES (Exempt)

#### "Pipgras"

Made from Alloy Tool Steel—No Reaming or Filing.

### Screw Type—Round

Supplied with "Unbrako" High Tensile Socket Screws and Wrenches. Cuts holes in Sheet Metal up to 18 Gauge.

Type	Size	Pilot Drill Size	Trade Each	Retail Each
32S	1/2"	1/4"	20/4	26/11
40S	5/8"	5/16"	21/8	28/11
48S	3/4"	5/16"	28/-	37/4
64S	1"	3/8"	41/-	54/8
72S	1 1/8"	3/8"	45/4	60/5
76S	1 3/16"	3/8"	45/4	60/5

### Hammer Type—Round

Heavy Duty—Suitable for use with Hammer, Vyce or Hand Press. Cuts holes in Sheet Metal up to 16 Gauge.

Type	Size	Pilot Drill Size	Each	Each
32H	1/2"	1/4"	24/-	32/-
40H	5/8"	5/16"	24/-	32/-
48H	3/4"	5/16"	30/8	40/11
64H	1"	3/8"	44/8	59/7
72H	1 1/8"	3/8"	49/4	65/9
76H	1 3/16"	7/16"	49/4	65/9

### Soldering Irons

(See under "Solder").

### SPANNERS (Exempt)

#### Tube Type

	Each	Each
1/2" x 3/16" Whit. (3/16" x 1/4" B.S.F.)	4/9	6/4
1/2" x 5/16" Whit. (5/16" x 3/8" B.S.F.)	4/9	6/4
Tommy Bars for Same	7d.	10d.
Sidchrome, SORW4, R and OE Spanners, Set of 4	33/9	45/-

### SPINTITES (Exempt)

#### Paulcall

	Each	Each
1/8", 5/32" 3/16" (1BA), 1/4" Whitworth	4/6	6/-
1BA (3/16" Whit.), 2BA, 3BA, 4BA, 5BA, 6BA	4/6	6/-

### Tool Box (Exempt)

Malley, 18 1/2" x 7 3/4" x 7 1/4" deep	57/-	76/-
Rota CL4, 17 1/4" x 5 1/2" x 11" deep	77/-	99/9

### Valve Extracting Tool (Exempt)

Belling Lee L1424, Incorporates 7 and 9 Pin Straightener	3/9	5/-
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### Vyce (12 1/2%)

Becon 720, Bench Type, 2" Steel Jaws	13/4	20/-
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### Wire Ejector Tool (Exempt)

	Trade Each
Scope, Ejects Inner Wire Through Outer Metal Braid	24/4

### Wire Stripper (Exempt)

Bib	5/6
Evac	36/8
Knipex	21/4

### Wrenches (Exempt)

Dowidat 91, 6", Adjustable	12/6
Gedore 91, 6", Adjustable	12/6
Ryco 100, "Ton-Grip", Self-locking, Quick Release	21/-

### TOWERS (Exempt)

Antiference "Winchomatic" Towers, ideal for Area T.V., Two-way Radio, Phone Installation able in two, three or four stage sections to a mum height of 80 feet. (See under "Masts").

## TRANSFORMERS

### AUTO (25%)

#### F.G.X.

Type	Prim.	Sec.	Rating	Trade Each
AT-1	200v.	230v.	600va.	87/6

#### U.T.C.

86328	230v.	110v.	400va.	100/-
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### BATTERY CHARGER (12 1/2%)

#### Ironcore

T1/352, for use with LT53 Rectifier	46/-
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### BELL AND CHIME (12 1/2%)

#### Ironcore

T4/2, 240v. 4, 8, 12 v., 1a.	42/-
T5/2, 240v. 4, 8, 12v., 2a.	49/-

### DRIVER (25%)

#### A. & R.

Type	Prim.	Sec.	Rating	Each
588	5000 S.E. or P.P.	7100/7100	5w.	70/-
545	Primary: 4000 ohms Prim. to 1/2 Sec. Ratio Primary D.C. 50 ma.	1.6 : 1	10w.	76/8

# 76 Output Transformers

## TRANSFORMERS—(Continued)

### FILAMENT (25%)

#### A. & R.

Type	Prim.	Sec.	C.T.	Amp.	Trade Each	Retail Each
1305	240v.	2.5v.		10	83/4	127/1
1516	240v.	5v.		3	39/4	59/-

(1500v. Insulation)

#### Ironcore

Type	Prim.	Sec.	C.T.	Amp.	Trade Each	Retail Each
T4/4	240v.	6.3v.		2	26/6	39/9
T1/58	240v.	6.3v.		5	44/-	66/-
T8/4	2.5v. & 4v.	6.3v.		2	17/-	25/6
T3/254	240v.	6.3v., 6.3v.		2	49/6	89/3

### FILAMENT BOOSTER, T.V. (25%)

#### A. & R.

Type	Pri.	Sec.	Amp.	Each	Each
PT1873	6.3v.	6.3, 7, 7.5, 8, 8.5v.	1	19/4	31/6

#### Ironcore

Type	Prim.	Sec.	Amp.	Each	Each
T8/12	6.3v.	7, 8, 9v.	1	20/-	32/6

#### National

Type	Prim.	Sec.	Amp.	Each	Each
D4532	240v.	7.5, 8.5, 9.5, 11v.	1	17/6	27/6

## OUTPUT (25%)

### A. & R.

Medium Fidelity 40—30,000 C/S, ± 2 db.

Type No.	Primary Impedance Ohms.	Secondary Impedance Ohms.	Power Rating, Watts	Typical Applications	Each
2558	10,000 S.E.	2, 3.7, 8, 15	3	6BM8, Mullard, 2—2, Unit Playmaster 1	£1 15 0 £2
2624	7,000 and 5,000 S.E.	2, 3.7, 8, 15	5	6BQ5, 6M5, 6GW8, Mullard 3—3	1 15 8 2
2625	10,000 C.T.	2, 3.7, 8, 15	7	P.P. 6AQ5's, 6BM8's	1 15 8 2
2626	4,000 and 2,500 S.E.	2, 3.7, 8, 15	10	EL37, 6CW5, 6L6, 807, KT66	2 14 4 4
2627	5,000 and 3,000 C.T.	3.7, 8, 15	15	P.P. 2A3, 6A3, 6AS7	2 16 4 4
2628	10,000 and 8,000 C.T.	3.7, 8, 15	15	P.P. 6BQ5, 6AQ5, 6BW6, 6V6	2 16 4 4

High Fidelity 10—60,000 C/S, ± db, Grain Oriented Steel Cores

Type No.	Primary Impedance Ohms.	Screen Taps. % Turns	Secondary Impedance Ohms.	Power Rating Watts	Typical Applications	Trade Each
4005	9,000 C.T.	20%	3.7, 8, 15	7	P.P. 6BM8's, Mullard 5/7, Unit Playmaster 2	2 17 0 4
4007/8	8,000 C.T.	43%	2 or 8	10	P.P. 6BQ5's, Mullard, 5/10, UL 43% Taps, RT & H, 10 W Stereo	4 6 8 6
4007/15	8,000 C.T.	43%	3.7 or 15	10	As above	4 6 8 6
4012	8,000 & 6,000 C.T.	—	3.7, 8, 15	10	P.P. 6BQ5's, Mullard 5/10 Pentode, High & Low Loading	4 7 0 6
4013	6,600 C.T.	20%	3.7, 8, 15	15	P.P. 6BQ5's, Mullard 5/10 UL 20% Taps	5 12 4 8
4014/8	6,600 C.T.	43%	2 or 8	20	P.P. EL34's, Mullard 5/20	5 19 0 9
4014/15	6,600 C.T.	43%	3.7 or 15	20	As above	5 19 0 9

## ISOLATION (25%)

### National

Type	Trade Each
D3182/I.S.240/250	
Prim., 240v., 1.15 Amps.	
Sec. 240v., 250 Watts	114/7

## MAINS ADJUSTER (12½%)

### A. & R.

Type	Trade Each
PT1832, Double Wound, Less Voltmeter	£8 10 4 £12
PT1832/M, Double Wound, with Voltmeter	14 16 4 21
AT1215, Auto, less Voltmeter	6 10 8 9
AT1215/M, Auto, with Voltmeter	12 13 8 18

## MODULATION (25%)

### A. & R.

Type	Prim.	Sec.	Rating	Trade Each
MT15	3800, 5000	4000, 5000	75w.	
	6600, 8000	6000, 8000		
	10,000 P.P.	10,000		£12/13/4

## OUTPUT TRANSFORMERS (25%)

A. & R.—(Continued)

High Fidelity—(Continued)

Trade Each	Ref. Each	Type No.	Primary Impedance. Ohms.	Screen Taps. % Turns.	Secondary Impedance Ohms.	Power Rating Watts	Typical Applications	Trade Each	Retail Each
114/7	174/	4015/8	4,500 C.T.	43%	2 or 8	20	P.P. EL37's, 17 W Playmaster	£5 19 0	£9 8 6
Each	Each	4015/15	4,500 C.T.	43%	3.7 or 15	20	As above	5 19 0	9 8 6
10 4 £12 8		4008	5,000 C.T.	43%	3.7 or 15	50	P.P. KT88's, GEC88—50 Amplifier	6 14 8	10 13 3
16 4 21 12		<b>Line Output 50—30,000 C/S, ± 2 db.</b>							
10 8 9 10		2629	7,000, 5,000 S.E.	—	500, 250, 125	5	6BQ5, 6M5, 6GW8, SE	1 17 8	2 19 8
		2630	4,000, 2,500 S.E.	—	500, 250, 125	10	6CW5, EL37, 6L6, 807 KT66, SE	2 15 8	4 8 2
		2631	500	—	2, 3.7, 8, 15	15	Line to V.C.	2 11 0	4 0 9
		2632	10,000, 8,000 C.T.	—	500, 250, 125, 100	15	6BQ5, 6V6, 6BW6 6AQ5 P.P.	2 15 0	4 7 1
		2633	8,000, 6,600 C.T.	—	250, 125, 82, 62	25	6L6, 807, EL37, 6BQ5, P.P.	3 2 8	4 19 3
Trade Each	List Each	2634	3,400 C.T.	—	125, 100, 82, 63, 50 + FB	35	6CM5, EL34, 6L6, 807 P.P.	4 8 8	7 0 5
£12/13/4	£20/1	2635	3,400 C.T.	—	125, 100, 82, 63, 50 + FB	55	6CM5, EL34, 6L6, 807 P.P.	4 18 4	7 15 8

## POWER TRANSFORMERS (25%)

A. & R.

Type No. PT	H.T. Secondary Volts	ELECTRICAL DATA				OVERALL DIMENSIONS			Trade Each	Retail Each
		Max. D.C. mA.	Rectifier Heater V.	Wdg. A.	Other Heaters V.	A.	Base	Height		
1992	150-0-150	30	—	—	6.3	1.7	2-3/16 x 2	2-5/8	26/4	40/2
1993	225-0-225	50	—	—	6.3	2	2-3/16 x 2-1/2	2-5/8	31/8	48/4
2071	250-0-250	60	6.3	1	6.3	CT 2	3 x 3	3-1/2	45/8	69/8
2072	285-0-285	60	6.3	1	6.3	CT 2	3 x 3	3-1/2	45/8	69/8
2073	300-0-300	60	6.3	1	6.3	CT 2	3 x 3	3-1/2	45/8	69/8
1882	325-0-325	60	6.3	1	6.3	2	3-5/16 x 3-1/4	3-7/8	48/4	73/8
1884	250-0-250	80	6.3	1	6.3	2	3-5/16 x 3-1/4	3-7/8	50/4	76/9
1885	285-0-285	80	6.3	1	6.3	2	3-5/16 x 3-1/4	3-7/8	56/4	85/11
1886	300-0-300	80	6.3	1	6.3	CT 2	3-5/16 x 3-1/2	3-7/8	57/4	87/5
1887	325-0-325	80	6.3	1	6.3	CT 2	3-5/16 x 3-1/2	3-7/8	60/8	92/7
1888	385-0-385	80	5	2	6.3	CT 2	3-5/16 x 3-3/4	3-7/8	67/4	102/8
1889	285-0-285	100	6.3	1	6.3	2	3-5/16 x 3-3/4	3-7/8	64/4	98/2
1890	300-0-300	100	6.3	1	6.3	CT 2	3-5/16 x 4	3-7/8	67/8	103/3

N.B. — See next page for Code.

# 78 Power Transformers

## POWER TRANSFORMERS (25%) —(Continued)

### A. & R.—(Continued)

Type PT No.	H.T. Volts Secondary	Max. mA. D.C.	ELECTRICAL DATA				OVERALL DIMENSIONS		Trade Each 66/8
			Rectifier Heater V.	Wdg. A.	Other Heaters V.	A.	Base 3- 5/16 x 4	Height 3-7/8	
1891	325-0-325	100	6.3	1	6.3	CT 2			
			tap at 5	2	6.3	2	3- 5/16 x 4-1/4	3-7/8	72/8
1892	385-0-385	100	5	2	6.3	CT 2			
					6.3	2	3- 5/16 x 4-1/4	3-7/8	73/4
1893	285-0-285	125	6.3	1	6.3	CT 2			
			tap at 5	2	6.3	2	3- 5/16 x 4-1/4	3-7/8	67/8
†1894	300-0-300	125	6.3	1	6.3	CT 2			
			tap at 5	2	6.3	CT 2	3- 5/16 x 4-1/4	3-7/8	82/4
1895	325-0-325	125	6.3	1	6.3	CT 2			
			tap at 5	2	6.3	2	3- 5/16 x 4-3/8	4-5/8	89/4
1927	385-0-385	125	5	2	6.3	CT 2			
					6.3	2	3- 5/16 x 4-1/4	3-7/8	69/8
§1896	250-0-250	150	6.3	1	6.3	CT 2			
			tap at 5	2	6.3	CT 2	3-15/16 x 4-3/8	4-5/8	84/-
1928	285-0-285	150	6.3	1	6.3	CT 2			
			tap at 5	2	6.3	2	3-15/16 x 4-3/8	4-5/8	89/4
1929	325-0-325	150	6.3	1	6.3	CT 2			
			tap at 5	2	6.3	2	3-15/16 x 4-3/8	4-5/8	96/8
1930	350-0-350	150	6.3	1	6.3	CT 2			
			tap at 5	2	6.3	2	3-15/16 x 4-5/8	4-5/8	105/4
*1932	285-0-285	175	5	3	6.3	CT 3			
					6.3	3	3-15/16 x 4-7/8	4-5/8	105/4
1933	325-0-325	175	5	3	6.3	CT 3			
					6.3	3	3-15/16 x 5-3/8	4-5/8	108/8
●1935	385-0-385	175	5	3	6.3	CT 3			
					6.3	3	3-15/16 x 5-3/8	4-5/8	128/-
1783	410-0-410	180	5	3	6.3	CT 4			
					6.3	CT 5	3-15/16 x 4-7/8	4-5/8	108/8
1936	285-0-285	200	5	3	6.3	CT 3			
					6.3	3	3-15/16 x 5-1/8	4-5/8	120/4
‡1937	300-0-300	200	5	3	6.3	CT 3			
					6.3	CT 3.5	3-15/16 x 5-3/8	4-5/8	118/8
*1938	350-0-350	200	5	3	6.3	CT 3			
					6.3	3	3-15/16 x 5-7/8	4-5/8	128/8
1939	450-0-450	200	5	3	6.3	CT 3			
					6.3	3			

- NOTES: (i) All Transformers have tapped primaries for 230 or 240v. operation except Types 1992 and 1993 which used on any supply voltage up to 240v.  
(ii) Maximum D.C. current ratings for full wave types may be increased by 25% for choke input conditions.  
(iii) When using voltage doubler types, the value of additional series resistance required for a particular d. be reduced from the value given by the diode manufacturers by the effective series resistance listed in above. Most Transformers have sufficient resistance to make any additional resistance necessary unless for voltage control purposes.

\*Mullard 5/10 low loading. †Mullard 5/10. ‡Mullard 2-Stereo-2. §Mullard 5-Stereo-7. †R.T.V. & H. S.

## Power Transformers, High Voltage (25%)

### A. & R.

PT1400—250 mA. Condenser Input Filter. Primary: 200, 220, 230, 240v.—50 c.p.s. Secondary: 565, 500, 425v., c.t. 425, 500, 565v. Filaments: 2 x 6.3v. 3a.; 2 x 2.5v. 3a.; 5v. 3a. Base: 6" x 5"; height above chassis, 4"; cut out, 4" x 3½"; mounting centres, 3⅝" x 2½". Horizontal die-cast cover; terminal board	157/4
PT1371—300-400 mA. Choke Input Filter (400 mA. rating for Part Intermittent Service). Primary: 200, 220, 230, 240v.—50 c.p.s. Secondary: 1,000, 850, 750, 600, 500v. c.t. 500, 600, 700, 850, 1,000v. Base size: 6" x 4"; height above chassis, 6", mounting centres, 3⅝" x 2½". Open clamps, with top terminal panel	210/-
PT1305—Filament Transformer. Primary: 200, 220, 230, 240v. Secondary: 2.5v. c.t. 10a. For use with 2 x 866/866A Rectifier Valves at a max. D.C. operating voltage of 3,000 v. Base area: 3" x 4½". Open clamps	83/4

TRANSFORMERS — (Continued)

Power (25%) — (Continued)

Ironcore

Table with columns: Trade Each, Type, H.T.V., M.A., Filaments, Trade Each, Retail Each. Rows include models like T5/14, T3/102, T2/22, etc.

National

Table with columns: Trade Each, Type, H.T.V., M.A., Filaments, Trade Each, Retail Each. Rows include models like 30/150, 40/285, 50/225, etc.

SAFETY LEAD LIGHT (12½%)

Ironcore

Table with columns: Trade Each, Type, Primary, Sec., V.A., Trade Each, Retail Each. Rows include models T6/78, T6/801.

Shaver Convertors

(See under "Shavers", Electrical Section).

Speaker Transformers

(See under "Speakers").

STEP DOWN (12½%)

Ironcore

Table with columns: Trade Each, Type, Primary, Secondary, V.A., Trade Each, Retail Each. Rows include models T3/48, T1/66, T3/50, etc.

STEPDOWN (12½%) — (Continued)

Ironcore — (Continued)

Table with columns: Type, Pri., Sec., V.A., Trade Each, Retail Each. Rows include models T6/6, T6/8, T6/10, etc.

TOY TRAIN (12½%)

Ironcore

Table with columns: Type, Pri., Sec., V.A., Trade Each, Retail Each. Rows include models T4/16.

TRANSISTOR TRANSFORMERS (25%)

A. & R.

Table with columns: Type No., Pri. Imp. Ohms, Sec. Imp. Ohms, Rating Watts, Applic., Each, Each. Rows include models TD1, TD2, TD3, TO1, TO2, TO3, TO4, TO5.

Payneco

Table with columns: Type, Application, Turns Ratio, Trade Each, Retail Each. Rows include models P400/6v., MMIA, PMIA.

Rex

Table with columns: Type, Application, Turns Ratio, Trade Each, Retail Each. Rows include models TR30-LT41, TR31-LT32, TR32-LT31, etc.

Rola

Table with columns: Type, Application, Impedance, Trade Each, Retail Each. Rows include models JDR27, JTR27, LDR4, LTR7, LTR8, LTR18, NDR17.

VIBRATOR TRANSFORMERS (25%)

Astor

Table with columns: Type, Pri., Sec., V.A., Trade Each, Retail Each. Rows include models PT182, PT232.

Ferguson

Table with columns: Type, Pri., Sec., V.A., Trade Each, Retail Each. Row includes model VT102.

Trimax

Table with columns: Type, Pri., Sec., V.A., Trade Each, Retail Each. Rows include models TP74, TP72, TP2407.



**TRANSFORMERS—(Continued)**

**Voltage Doubler Transformers (25%)**

**A & R**

Type	D.C. O'put M.A.	D.C. O'put Volts	A.C. Sec. Volts	Filaments Volts	Amps.	*Effective Resistance Ohms	Trade Each	Retail Each
2062	80	290	115	6.3C.T.	2.25	25	43/-	65/7
		265	Tap 105					
2063	80	340	135	6.3C.T.	2.25	29	43/4	66/1
		315	Tap 125					
2064	125	340	135	6.3C.T.	2.25	16	54/-	82/4
		315	Tap 125		6.3	2.25		
2065	150	290	115	6.3C.T.	6	10	59/4	90/6
		265	Tap 105					
2066	190	320	125	6.3C.T.	6	7	65/4	95/5
		265	Tap 105					
1965	300	270	115	12.6C.T.	5	4	86/8	132/2

\*Effective Transformer Series Resistance Referred to Secondary.

**Transistor Shock Mounts (25%)**

Zephyr, Rubber	Each 3d.	Each 6d.
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**Transistor Sockets**

(See under "Sockets").

**TRANSISTOR TESTERS**

(See "Green" Section)

**TRANSISTORS**

(See under "Semi-Conductors").

**Transistor Transformers**

(See under "Transformers").

**TRANSPORT COVERS (12½%)**

Outer Cover, medium weight, canvas padded with cotton wool. Inner Lining, soft tartan which will not scratch polished surface. All layers quilted into 7" squares.



**TRANSPORT COVERS (12½%)**

Type	Screen No.	Size	Model	Inside Dimensions	Trade Each
T	17"		Table	23" x 21" x 23" H	£4 8 9
T	21"		Table	25" x 28" x 23" H	4 18 2
C	21"		Console	28" x 25" x 36" H	5 6 3
L	21"		Lobby	36" x 24" x 36" H	6 0 8
LL	21"		{Lge Lobby Radiogram	42" x 28" x 36" H	6 19 6
P			Portable T.V.	18" x 14" x 15" H	4 18 6
PT			Picture Tube Carrier for	17", 21" Tubes	1 19 6
R			Refrigerator	36" x 29" x 54" H	10 12 6

**TRANSPORT TROLLEYS (12½%)**

**Kelso**

	Trade Each
RSC2, Refrigerator Truck—	
Stairclimber	£17 19 3
SC2, Stairclimber	16 11 9
TV2, Television Truck—Stairclimber	14 19 3

(See following page for illustration).

**Trolley Kit**

"Teleglide" T.V. Trolley Kit	2	9	5
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(Castors, £1/9/-, 8/1-3rd% Tax; Dowelling, £1/0/5, Exempt).

**TROLLEY (INTRUMENT)**

(See "Green" Section)

**TUBE TESTERS**

(See "Green" Section).

**TUNERS (25%)**

**Aegis**

Mark	II/M, Less Power	Supply	Trade Each
PS2, Power Supply			£22 3 9
			6 2 6

**TUNING UNIT (25%)**

**Philips**

NP1200, Permeability Tuning Unit, 530 K.C.—1600 K.C.; replaces Gang Condensers in small Receivers, particularly Car Radios	1	2	7
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**TUNNEL DIODES**

(See "Green" Section)

(Continued)

**T.V. COMPONENTS—(Continued)**

**Q. PLUS**

**I.F. Transformers (30.5-36.00 M.c.) (25%)**

Retail Each		Trade Each	Retail Each
15/6	VIF2, Miniature, Link I.F., with Secondary + Trap	14/-	22/9
30/6	VIF3, Miniature, Over-coupled Primary and Secondary	14/-	22/9
30/6	VIF4, Miniature, Bifilar, with Separate Trap	14/-	22/9
96/11	VIF5, Miniature — Bifilar	14/-	22/9
9/11	VIF6, Miniature, Low Impedance, Primary, with Tuned Secondary Fitted with 30.5 M.C. Sound Trap	14/-	22/9
7/7	VIF7, Miniature, Sound Pick-up	10/-	17/-
14/6	VIF8, Miniature, Ratio Detector	18/-	29/3
5/6	VIF22, 30.5 Mc/S. Trap; Mark V Strip Coils	6/8	10/6
13/10	VIF25, U/S Sec. Converter, Mark V Strip Coils	6/8	10/6
77/11	VIF28, U/S Bifilar I.F., Mark V Strip Coils	6/8	10/6

**Video Peaking or Correction Coils (25%)**

30/6	V.P.C. — Wound on Ironcore with Pigtailed, available all sizes; Code — V.P.C. with desired inductance up to 560 $\mu$ H., e.g., VPC500	2/8	4/3
30/6	VPC2, Filament Choke, 2 $\mu$ H.	1/-	1/8
124/8	VPC4, Filament Choke, 4 $\mu$ H.	1/4	2/2
11/1	VPC6, Filament Choke, 6 $\mu$ H.	2/8	4/3
7/7	VPC15, Video Peaking Choke, 15 $\mu$ H.	2/8	4/3

**ROLA**

**T.V. Components Replacement Guide**

**Vertical Output Transformers (25%)**

Original Type	Used by	Replace with	Each	Each
TV105	Miscellaneous	TV125	1 10 0	2 6 0
TV105	Admiral	TV106	1 10 0	2 6 0
TV111	Classic	TV111	1 10 0	2 6 0
TV124	Healing	TV124	1 10 0	2 6 0
TV125	Healing	TV125	1 10 0	2 6 0
TV128	Pope } Thorn }	TV128	1 10 0	2 6 0
TV129	S.T.C.	TV125	1 10 0	2 6 0
TV130	Stromberg } Thorn }	TV130	1 10 0	2 6 0
TV132	Jackson	TV132	1 10 0	2 6 0
TV133	Kriesler	TV133	1 10 0	2 6 0
TV135	S.T.C.	TV135	1 10 0	2 6 0
TV137	Thorn	TV137	1 10 0	2 6 0
TV139	Stromberg	TV139	1 10 0	2 6 0
TV140	Miscellaneous	TV140	1 10 0	2 6 0

**Blocking Oscillator Transformers**

TV200	Miscellaneous	TV200	17 3	1 6 6
TV201	Healing	TV201	17 3	1 6 6
TV204	Kriesler	TV207	17 3	1 6 6
TV205	Stromberg	TV207	17 3	1 6 6
TV206	S.T.C.	TV201	17 3	1 6 6
TV207	Kriesler	TV207	17 3	1 6 6
TV208	Stromberg	TV208	17 3	1 6 6
TV209	S.T.C.	TV201	17 3	1 6 6
TV210	Thorn Atlas	TV210	17 3	1 6 6

**Rola T.V. Components Replacement Guide—(Continued)**

**T.V. Power Chokes**

Original Type	Used by	Replace with	Trade Each	Retail Each
TV300	Stromberg	TV306	18 3	1 8 0
TV301	Miscellaneous	TV301	1 7 9	2 2 6
TV302	Admiral	TV302	1 7 9	2 2 6
TV304	Healing	TV306	18 3	1 8 0
TV305	Miscellaneous	TV306	18 3	1 8 0
TV306	Thorn	TV306	18 3	1 8 0
TV309	Healing	TV306	18 3	1 8 0

**70° Flyback Transformers (25%)**

TV418	S.T.C.	TV418	4 1 0	6 4 0
TV444	H.M.V.	TV444	4 1 0	6 4 0

**90° Flyback Transformers (25%)**

TV417	Admiral	TV455	3 18 0	6 0 0
TV419	H.M.V.	TV452-3	3 18 0	6 0 0
TV420	Pope	TV452-3	3 18 0	6 0 0
TV421	S.T.C.	TV452-4	3 18 0	6 0 0
TV423	Healing	TV452-4	3 18 0	6 0 0
TV424	Slade	TV452-3	3 18 0	6 0 0
TV425	Madison	TV452-4	3 18 0	6 0 0
TV426	H.M.V.	TV452-3	3 18 0	6 0 0
TV427	S.T.C.	TV452-3	3 18 0	6 0 0
TV428	Pope	TV448	3 18 0	6 0 0
TV432	S. Cross	TV452-4	3 18 0	6 0 0
TV434	Old 90° Uni.	TV452-3	3 18 0	6 0 0
TV435	Thorn	TV448	3 18 0	6 0 0
TV436	Healing	TV452-4	3 18 0	6 0 0
TV437	H.M.V.	TV452-1	3 18 0	6 0 0
TV439	S.T.C.	TV452-3	3 18 0	6 0 0
TV440	Pope	TV452-3	3 18 0	6 0 0
TV441	Thorn	TV448	3 18 0	6 0 0
TV442	Admiral	TV456	3 18 0	6 0 0
TV443	Pope	TV443	3 18 0	6 0 0
TV445	Thorn	TV452-1	3 18 0	6 0 0
TV447	H.M.V.	TV454	3 18 0	6 0 0
TV448	Thorn	TV448	3 18 0	6 0 0

TV452 Terminals	2	4	C	10	11	14	15	16
Corres. Terminals on:--								
TV419	7	9	10	—	—	T	4	—
TV420	9	2	4	—	—	1	—	3
TV421	9	10	5	—	—	T	4	—
TV423	9	2	1	7	5	T	3	—
TV424	7	9	10	—	—	T	4	—
TV425	9	2	1	7	5	T	3	—
TV426	7	9	10	—	—	T	4	—
TV427	9	10	5	—	—	T	4	—
TV432	9	10	5	—	—	T	4	—
TV434	9	10	2	7	5	T	3	1
TV436	9	2	1	7	5	T	3	—
TV437	7	9	10	—	—	T	4	—
TV439	9	10	5	—	—	T	4	—
TV440	9	2	4	—	—	1	—	3
TV445	9	7	10	3	1	2	6	4

**ADDITIONS**







	Trade	Retail		Trade	Retail		Trade	Retail		Trade	Retail
PCF82(9U8)	13/6	23/4	R17	15/4	26/5	UCC85	15/7	26/10	UL82	16/2	27/11
PCL81	23/8	40/9	R18	15/4	26/5	UCF80	15/7	26/10	UL84(45B5)	15/10	27/4
PCL82(16A8)	15/5	26/7	R19(1X2B)	15/4	26/5	UCH4	29/1	50/1	UM4	16/2	27/11
PCL83	16/10	29/1	SP2	22/3	38/5	UCH21	29/1	50/1	UM80	12/2	21/-
PCL84 (15DQ8)			SP4B	22/3	38/5	UCH41	19/3	33/2	UM81	12/2	21/-
	15/5	26/7	SP13C	22/3	38/5	UCH42(14K7)			UR3C	24/4	41/11
PCL85(18GV8)			TDD2A	22/3	38/5	UCH80	19/7	33/9	UY1N	19/7	33/9
	15/10	27/4	TDD4	22/3	38/5	UCH81(19D8)	15/10	27/4	UY21	19/7	33/9
PCL86(14GW8)			TDD13C	22/3	38/5				UY41(31A3)	16/2	27/11
	15/10	27/4	U37	25/-	43/1		16/5	28/4	UY42	15/7	26/10
PF86	15/2	26/2	U76	20/3	34/11	UCL82	15/10	27/4	UY82	15/7	26/10
PL36(25E5)	19/7	33/9	U107	23/-	39/7	UCL83	16/10	29/1	UY85(38A3)	15/7	26/10
PL81(21A6)	19/2	33/-	U709(6CA4)	8/7	14/9	UF9	20/3	34/11	UY92	15/7	26/10
PL82(16A5)	13/8	23/6	UABC80	16/-	27/7	UF11	23/8	40/9	W76	18/11	32/7
PL83(15A6)	13/8	23/6	UAF41	18/11	32/7	UF21	23/8	40/9	W77(6CQ6)	16/2	27/11
PL84(15CW5)			UAF42	18/11	32/7	UF41(12AC5)			W107	21/7	37/3
	13/8	23/6	UB41	18/11	32/7		18/11	32/7	X61(M)	31/1	53/7
PM84	12/-	20/9	UBC21	25/-	43/1	UF42	20/11	36/1	X76(M)	25/-	43/1
PY80(19X3)	16/8	28/8	UBC41(14L7)			UF43	20/11	36/1	X79(6AE8)	12/2	21/-
PY81(17Z3)	14/3	24/6		19/7	33/9	UF80	13/10	23/10	X81	45/6	78/6
PY82(19Y3)	11/6	19/10	UBC80	16/2	27/11	UF81	14/6	25/-	X104	25/-	43/1
PY83	14/3	24/6	UBC81	16/2	27/11	UF84	16/2	27/11	X109	25/-	43/1
PY88(30AE3)			UBF80(17C8)	15/10	27/4	UF85	14/6	25/-	Y61	19/7	33/9
	14/11	25/8	UBF89	15/10	27/4	UF89	14/6	25/-	Z66	33/1	57/-
R10	37/9	65/1	UBL1	30/5	52/5	UL41(45A5)	18/3	31/5	Z77(6AM6)	14/5	24/10
R12	16/2	27/11	UBL21	25/-	43/1	UL80	15/10	27/4	Z729(6BK8)	15/7	26/10

Valve Shields (25%)

	Trade Each	Retail Each
Goat, ST12, Chimney Type	1/1	1/10
Goat, Earth Clips	9d.	1/3
Goat, Cathode Clips	4½d.	7d.
Goat Rings	2d.	3½d.

Valve Sockets

(See under "Sockets").

Valve Socket Punches

(See under "Tools").

VALVE TESTERS

VARACTER DIODES

VARIABLE VOLTAGE TRANSFORMERS

Trade Each

Retail Each

(See "Green" Section)

VIBRATORS (25%)

Ferrocart

Type	Socket Pins	Volts	Trade Each	Retail Each
PM104, Sync.	5	6	34/9	54/9
M151, Sync.	6	6	34/9	54/9
M225, Sync.	6	32	34/9	54/9
M231, Sync.	6	12	34/9	54/9
M337, Non-Sync.	6	6	27/8	43/10
M338, Non-Sync.	6	12	27/8	43/10
M437, Non-Sync.	6	6	27/8	43/10
M438, Non-Sync.	6	12	27/8	43/10

Oak

V5105, Non-Sync.	4	6	27/8	43/10
V5123, Non-Sync.	4	12	27/8	43/10
V6524, Non-Sync.	4	24	27/8	43/10
V6532, Non-Sync.	4	32	27/8	43/10
V5278, Sync.	6	4	34/9	54/9
V5124, Sync.	6	6	34/9	54/9

VIBRATORS—(Continued)

Oak—(Continued)

Type	Socket Pins	Volts	Trade Each	Retail Each
V5258, Sync.	6	12	34/9	54/9
V6724, Sync.	6	24	34/9	54/9
V6732, Sync.	6	32	34/9	54/9
V6804, Split Reed	7	4	39/2	62/-
V5211, Split Reed	7	6	39/2	62/-
V5948, Split Reed	7	12	39/2	62/-
V6824, Split Reed	7	24	39/2	62/-
V6832, Split Reed	7	32	39/2	62/-
V6604, Non-Sync.	6	4	35/9	55/3
V6606, Dual Interr.	6	6	35/9	55/3
V6612, Dual Interr.	6	12	35/9	55/3
V6624, Dual Interr.	6	24	35/9	55/3
V6632, Dual Interr.	6	32	35/9	55/3
V7706, Dual Interr.	6	6	36/-	57/-
V7712, Dual Interr.	6	12	36/-	57/-
V4006, Non-Sync.	6	6	27/8	43/10
V4012, Non-Sync.	6	12	27/8	43/10
V4010, Non-Sync.	6	6	27/8	43/10
V4016, Non-Sync.	6	12	27/8	43/10

Replacement Vibrators for Inverters

(See under "Inverters").

Voltage Adjuster (25%)

McMurdo, Noval Socket with Shorted Plug for Voltage Selection	Each	Each
	2/8	4/-

ADDITIONS

### NEW LINES NOW AVAILABLE

#### AUTO AERIALS (25%)

	Trade Each	Retail Each
Rapar JT2, 2-piece Top Cowl .....	20/4	33/11
Rapar JT3, 3-piece Top Cowl .....	26/3	43/11

#### WALBAR AERIAL SPARES (25%)

	Each	Each
AT22, Connector, suits Astor Airchief .....	3/4	5/-
AT28, Connector, suits A.W.A. ....	3/4	5/-
AT29, Connector, suits A.W.A. ....	3/4	5/-
AT34, Connector, suits A.W.A. S./Carl. ....	3/4	5/-
BT16, Adaptor Kit, A.W.A., Series 2 .....	3/9	5/8
BT17, Adaptor Kit, Airchief, Series 1 .....	3/9	5/8
BT18, Adaptor Kit, Airchief, Series 2 .....	3/9	5/8
BT32, Connector, H.M.V., Airchief, Philips .....	5/7	8/5
BT33, Connector, Ferris, Autovox, Philips .....	1/11	2/11

#### AMPLIFIERS (25%)

	Each	Each
Labcraft 605B pre amp. ....	£8 7 6	£13 19 0

#### GRAMO CABINETS (25%)

	Each	Each
Player Cabinet, with legs (unpolished) .....	£11 10 0	£19 3 4
Player Platform, for TRP594 .....	4 6 8	7 15 6

#### PLASTIC BOXES (25%)

	Each	Each
Size 4 $\frac{3}{4}$ " x 2 $\frac{3}{4}$ " x 1 $\frac{3}{8}$ ", ideal for T.V. Remote Control, etc. ....	6/4	9/6

#### LOW VOLTAGE CAPACITORS FOR TRANSISTOR APPLICATIONS (25%) Ducon / Simplex

	Each	Each
Type CPT, .047 mfd, 33 V., D.C.W. ....	1/2	1/11
Type CPT, .1 mfd, 33 V., D.C.W. ....	1/2	1/11

#### ELECTROLYTIC CONDENSERS (25%)

	Each	Each
Ducon 10 mfd, 475 VW, 550 VP, E.T. ....	5/5	9/1

#### POLYESTER CONDENSERS (25%)

	Each	Each
Philips, 1 mfd, 125 volts .....	4/6	7/9

#### HOELLE TERMINALS AND LUGS (12 $\frac{1}{2}$ %)

	Trade Gross	Retail Gross
H906, Cable Clip, 5/16" .....	19/-	28/6

#### HEAD PHONES (25%)

	Each	Each
AKG K50, Stereo .....	£7 17 3	£11 18 6

#### RECEIVERS (25%)

	Each	Each
Grundig, 5199WE, FM — Medium, Short, Long-wave; has stereo outlets for Tape Recorder and Gramo— Receiver only .....	75 0 0	125 0 0
Rola 7-5 Speaker in matching polished cabinet to suit Polished base to suit Player or Changer to suit above ..	5 0 0	8 7 6
	6 0 0	10 0 0

#### SEMI-CONDUCTORS (25%)

	Each	Each
OA202 .....	10/6	16/11

#### SOLDER IRON TRANSFORMERS (12 $\frac{1}{2}$ %)

	Each	Each
Ironcore T3/330, 240V-6, 12; 24 volts; 12 V.A. For Miniature Irons .....	52/8	89/-

#### SPEAKERS (25%)

##### MSP — Jensen

	Each	Each
50077/8TA/3 .....	£2 7 9	£3 13 3
50033/8TA/15 .....	2 7 9	3 13 3
50081/8TAX/15 .....	2 14 9	4 4 0

#### SPEAKER TRANSFORMER WINDINGS (25%)

##### Jabel

	Each	Each
Type "F", 3.7 ohms., $\frac{1}{2}$ " square core .....	6/8	11/-
Type "E", 3.7 ohms., 9/16" square core .....	6/8	11/-
Type "Q", 3.7 ohms., 9/16" x 23/32" core .....	6/8	11/-
Type "K", 2 ohms., 11/16" x 13/16" core .....	9/-	15/3

# A CATALOGUE OF TEST EQUIPMENT

presented by

## RADIO PARTS (INSTRUMENTS) PTY. LTD.

Unmarked — Normal Stock.

\*Items marked with asterisk (\*) are forward delivery, ave. 2 to 3 weeks.

‡No further supplies when present stock exhausted.

†Items with dagger (†) delivery 2 to 3 months.

\*\*On order at time of printing; will be stock item when they arrive from overseas.

A large percentage of the items listed are of overseas origin. However, we endeavour to keep stock of all unmarked items, but occasionally delay in shipping may make a temporary shortage.

**All prices are subject to alteration without notice.**

**This list cancels all previous lists.**

### ACCUMULATOR TESTER

Master C.T.1 c/zero, Hi Discharge ..... £5 17 4

### AMMETERS (See under Panel Instruments, all types)

#### AMMETER CLIPON (Tong Tester)

†Grundig Elima, A.C. current, 0-30-150-300-600 Amps. A.C. Volts 0-300-600 V. .... 30 10 0  
 †Kew CL65E, 5 Amps. and 25 Amp. A.C., 0-300/600 Volts A.C. .... 7 10 0  
 †Kew CL65G, 25 Amp. and 125 Amp. A.C., 0-300/600 Volts A.C. .... 7 10 0  
 \*Metrix 400, A.C. Amps., 0-10, 30, 100, 300 A., A.C. Volts 0-150/300/600 V. .... —

### ANALYSERS

\*B & K Dyna Sweep A107 Sync. CCT Analyser for use with B & K Flying Spot Scanner ..... On Application  
 \*B & K Dyna Sweep 1070 as above, but self-contained ..... —  
 B & K Analyst, 1075, checks all stages of T.V. Receiver (Flying Spot Scanner) ..... 150 0 0

### ARMATURE TESTER (Growler)

Newmac, for Armatures to 3in. diameter, 230 volt A.C. operation ..... 6 11 3  
 \*A.C. Millivolt Meters for use with above (Drop Tests) ..... Application

### AUDIO OSCILLATOR

Advance, H1 15C-50K.C. S.Q. & Sine, 20 Volt RMS, Sine, 80 Volt P/P. Square ..... 67 4 2  
 A.W.A. B.F.O. A56030, 20 Cycle to 20 K.C., Sine only, Opt. 100 MW ..... 52 15 0  
 \*A.W.A. R.C. A57150, 20 Cycle to 200 K.C., Sine only ..... 74 10 0  
 †H & B Grundig 295A B.F.O., 30 C. to 20 K.C., Sine only, 8 Watt, Multi. Imped. .... —  
 †H & G Grundig, RG3, Square Wave Generator 50 C. to 500 K.C. .... —  
 Leader, LAG55 20 C. to 200 K.C., S.Q. and Sine; see illustration and specification this page ..... 42 0 0  
 Leader, LAG65 11 C. to 110 K.C., Sine and Freq. Meter; see illustration and specification this page ..... 82 10 0  
 Precision E310, 5 C. to 600 K.C., Sine and Square ..... — .....  
 \*Taylor 191A, 10 C. to 100 K.C., Square and Sine ..... 55 4 0

### SPECIFICATIONS:

Frequency Range  
 Calibration Accuracy  
 Frequency Stability  
 Output Impedance  
 Sine Wave Output

20 to 200,000 cps in four 10 : 1 bands.  
 Within  $\pm 2\%$ , or 2 cps.  
 Within 1% for 5% line voltage variation.  
 10 K $\Omega$ , approximately.

20 to 200,000 cps.  
 Output variation less than  $\pm 0.5$  db, referred to 1 Kc, below 100 Kc.  
 Output: 5V rms, below 100 Kc.  
 Distortion less than 1%.

Square Wave Output

20 to 20,000 cps.  
 Voltage 10V peak-to-peak.  
 Above 5,000 cps, using line frequency for base frequency.  
 Amplitude ratio 4 : 1 (low to high).

Complex Wave Output  
 (For Inter Modulation  
 Testing)

Output 10V, peak-to-peak.  
 Cut-off at 4,000 cps, approximately.  
 1-6AV6 — 1-12AT7 — 2-6AR5 — 1-6X4.  
 A.C. 50 cps, 230V, 35 W, approximately.  
 6 $\frac{3}{8}$ " x 12 $\frac{3}{8}$ " x 8 $\frac{1}{2}$ " — 11 lb.

I.M. High Pass Filter  
 Tube Complement  
 Power Supply  
 Size and Weight

**LEADER LAG 55 AUDIO  
OSCILLATOR.**



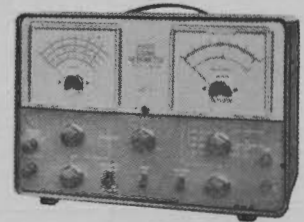


## 2 Test Equipment

### LEADER LAG 65.

#### SPECIFICATIONS:

Generator:	
Frequency Range	11 to 110,000 cps in 4 bands; 10 steps per decade, with continuously adjustable fine frequency.
Output Voltage	600 ohm: 0 to 1 volt in 7 ranges. 10 K-ohm: 0 to 10 volts in 2 ranges.
Distortion	Less than 0.1%, 20 to 20,000 cps.
Frequency Meter:	
Range	10 to 110,000 cps in 4 ranges.
Input Voltage	3 to 300 volts, rms.
Input Waveform	Sine or square.
Accuracy	200,000 ohms, approximately. ± 1.5% of full scale, 10 to 11,000 cps. ± 3.5% of full scale, 10 to 110 Kc.
Tube Complement	2-6AU6 — 1-6CL6 — 1-6AQ5 — 1-6AL5 — 1-6X4 — 1-OA2.
Power Supply	A.C. 50, 230V, 55 W.
Size and Weight	13½" x 9" x 7½" — 17 lb.



The range from 11 to 110,000 cps is covered in 4 decade bands. The generated frequency is read on the calibrated meter scale. The output voltage is determined by the output voltmeter reading and the attenuator setting. The voltmeter has auxiliary scales calibrated in decibels, where 0 db = 1 volt, and the range from -60 db to +20 db, or 1 millivolt to 10 volts, so that the output level may be easily read. This feature is very useful for rapidly obtaining the characteristic of amplifiers and filter networks. The frequency meter covers the range from 10 to 110,000 cps in 4 bands. It may be used independently by connection to an external source for the determination of the frequencies of oscillators, etc.

#### BARRIER STRIPS (Specify Screw to Screw or Screw to Tag).

Ways	Mtg. Centres	Price Each	Ways	Mtg. Centres	Price Each	Ways	Mtg. Centres	Price Each	Ways	Mtg. Centres	Price Each
2	1½"	1/6	7	3"	5/1	12	4½"	8/8	17	6¾"	12/3
3	1½"	2/3	8	3¾"	5/10	13	5½"	9/4	18	7½"	12/11
4	1¾"	3/-	9	3¾"	6/6	14	5¾"	10/1	19	7½"	13/8
5	2¼"	3/8	10	4½"	7/3	15	6"	10/9	20	7¾"	14/4
6	2¾"	4/4	11	4½"	7/11	16	6¾"	11/6	21	8½"	15/1

#### BATTERIES (for special purposes)

†Q227, 1.5 volt, sq., slow delivery, for preference use 950 bat.; solder leads on .....	Application
411 Battery, 15 volt, 1-7/16" x 1" x 9/16" approx. ....	Retail 7/- Trade 4/7
412 Battery, 22.5 volt, 2" x 1" x 7/16" approx. ....	Retail 9/4 Trade 6/1
413 Battery, 30 volt, 2¾" x 1" x 9/16" approx. ....	Retail 11/5 Trade 7/6
415 Battery, 45 volt, 3¾" x 1" x 9/16" approx. ....	Retail 22/10 Trade 15/-
†430 Battery, 30 volt, 2¾" x 1½" x ¾" approx. (use 413 where possible .....	Application
504 Battery, 15 volt, 1-7/16" x 9/16" x 9/16" (replaces BLMV10) .....	Retail 8/3 Trade 5/6

#### LISTING OF BATTERIES USED IN COMMON MULTIMETERS.

AVO Model 7 (R1662)Q227, use 950 and solder leads + 2-703  
 AVO Model 8 1-950 cell @ 11d. + 1-411 batt.  
 AVO Multiminor 1-915 cell  
 Hansen H.B. 2-915 cell  
 Hansen S.C. 2-915 cell  
 Hansen S.U.2A 3-915 cell  
 Hansen T.S. and T.S.M. 3-915 cell  
 Hansen F.N. 2-915 cell + 1-412 batt. (reverse clips)  
 Hansen M70 2-950 leakproof + 2-412 wired in series  
 Hansen M100 2-950 leakproof + 1-412  
 Metrix 410 2-915 cells (insulate top of cell with washer)  
 Metrix 430 5-915 cells (insulate top of cell with washer)  
 Metrix 460 2-915 cells (insulate top of cell with washer)  
 Palec M32 2-950 cells  
 Palec Mx32 1-X71 cells  
 Palec M42 2-950 + 1-430 (use 413)  
 Palec Mx47 1-950 + 1-430 (use 413)

Taylor 127A 1-927 + 1-411  
 T.M.K.-TP5s 2-915 cells  
 T.M.K. 180 1-915 + 1-504  
 T.M.K.-MG310 1-915 cells — 1 + 412  
 T.M.K. 320 1-915 cells + 1-504 (BLMV10)  
 University M.K.1 1-950  
 University M.E.T. 1-950  
 University MVA2 1-703 + 3-950 cells  
 University TVR-MM 1-703 + 3-950 cells  
 Palec M52 2-950 + 1-430 (use 413)  
 Philips P817 00/01 1-950 + 1-412  
 Sanwa P.1 1-915  
 Sanwa F7TR 1-915 + 1-412  
 Taylor 77A 1-935 + 1-412  
 Taylor 88A 1-935 + 1-411  
 Taylor 100A 1-950 + 1-412

#### BATTERY TESTERS

For torch cells and dry batteries (see under Accumulator for wet battery testers).

HANSEN tests under load, 1.5, 3, 4.5, 6, 7.5, 9, 15, 22.5, 45, 67.5, 90, 240 V., D.C. .... £6 15 0

## BRIDGES

AVO type 1, Res. 0.1 ohm. to 1 K. meg., 1 PF to 1 KMF, 1 mh to 1 K.H., etc. ....	155 0 0
AWA A56048, Res. to 10 megohm., Cap 10 PF to 10MF, compar. & % .....	30 10 0
†Hartmann & Braun Pontavi Wheatstone 0.05 to 50 K. ohm. ....	Application
Hartmann & Braun Pontavi Kelvin 50 micro ohm. to 2.1 ohm. ....	63 0 0
†Hartmann & Braun Inkavi Cap 0-100 PF and 100 MF, Ind. 0-0.1 mH and 0-10H .....	Application
‡Metra Omega 1 Slide Wire Wheatstone 0.05/50 K ohm. ....	19 19 0
‡Metra Omega 2 D.C. Resistance + Impedance .....	35 0 0
Philips GM4144 Resistance/Capacity .....	58 0 0
TMK. LC 15, Cap 10 PF to 1000 MF, + Electros, Res. 100 ohm. to 5 M ohm. ....	17 10 0
Transmission Products, Model 125, Wheatstone .....	102 0 0

## CASES, Leather.

For AVO 7, 8, Hansen M70, M100 .....	6 10 0
For Grundig Elima Clip-on Ammeter .....	1 15 0
For Hansen TS, TSM, FN, TMK, MG310 .....	2 5 0
For Master Multi Meter, A.P.O., Model 2 and 3 .....	2 11 4
For Taylor 127A .....	2 5 0
For TMK 180 .....	2 11 4
For University MET, MVA2, etc. ....	3 10 0

## CASES, Metal and Bakelite, for Panel Meters (see under Stands).

## CATHODE RAY OSCILLOSCOPES.

Astor TVI 2½" .....	65 0 0
*AWA IA56031, 5", D.C. to I.M.C. Band Width, T.B. to 30 K.C., 30 mV/inch .....	140 0 0
AWA A56069 5" Flat, 10MC B.W., T.B. Trig to 2 MC., Sens. 250 mV/inch .....	182 10 0
Cossor 1045K Kit, 4" Flat, 10MC B.W., T.B. to 500KC, Sens. 125 mV/inch .....	88 16 7
Cossor 1071K Kit, 4" Flat, Double Beam, B.W., 10MC, T.B. to 750KC, Sens. 12½ mV/inch .....	133 4 0
†H & B Grundig G4, 2½" B.W., 4MC, T.B. to 60KC, Sens, 50 mV/inch .....	—
†H & B Grundig G5, 2½", B.W., 5MC, T.B. to 300KC, Sens. 45 mV/inch .....	—
†H & B Grundig MO 15 4", B.W. 15MC, T.B. to 3MC, Sens. 75 mV/inch .....	—

## LBO-5A — 5" OSCILLOSCOPE WIDE-RANGE.

The LEADER, Model LBO-5A, OSCILLOSCOPE is a sensitive instrument meeting practically all the requirements for general use. Due to its extremely wide frequency response, it is suited for observing T.V. signal waveforms and pulses. The horizontal sweep frequency extends to 500 Kc, which makes it possible to make full use of the wide frequency response of the vertical channel. The scope has been designed for maximum stability, long life and reliability.

### SPECIFICATIONS:

Vertical Channel:	
Sensitivity	0.015 V rms per cm (at 1 Kc)
Frequency Response	Within ± 1 db 8 cps at 2.5 Mc Within ± 1.5 db - 5 db : 3 cps to 5 Mc down - 2.2 db at 3.6 Mc
Input Attenuator	
	X 1, X 10, X 100; accuracy ± 0.5 db
Horizontal Channel:	
Sensitivity	0.24 V rms per cm (at 1 Kc)
Frequency Response	Within ± 1 db : 3 cps to 200 Kc Within ± 3 db : 1 cps to 400 Kc
Input Impedance	
Rise Time	0.08 μseconds or less
Overshoot	Less than 10%
Calibrating Voltage	
	0.2 and 1V, peak-to-peak
Input Impedance	
	3 megohms shunted by 21 μμF at X 1 step 3 megohms shunted by 15 μμF at X 10, X 100 steps
Sweep Generator	
Frequency Range	10 cps to 500 Kc in 5 steps
Synchronising	Internal : positive or negative signal. External : line
Phasing	0 to 150°, continuously variable
Circuit Features	
	Return trace elimination; direct connections to deflection plates; Z-axis modulation; push-pull output
Tube Complement	
	2—6C4, 1—6BQ7, 3—12AU7, 1—12BH7, 1—6DT6, 1—6X4, 1—1X2B
Cathode Ray Tube	
	5UP1-F (Flat-face)
Power Supply	
	A.C. 50/60 cps; 230 V. 80 Watts, approx.
Size and Weight	
	14½" x 9½" x 16½"; 34 lb.



*Leader LBO5A, 5" Flat, 5MC B.W., T.B. to 500 KC, Sens. 37½ mV/inch (see illustration) .....	150 0 0
†Philips GM5650, 3", 10MC B.W., T.B. to 50KC, Sens. 37½ mV/inch .....	Application
†Philips GM5654, 4", 7MC B.W., T.B. to 500KC, Sens. 25 mV/inch .....	Application
†Philips GM5655, 2½", 250KC, B.W., T.B. to 30KC, Sens. 150 mV/inch .....	Application
†Philips GM5659, 3", 1MC B.W., T.B. to 50KC, Sens. 150 mV/inch .....	Application
†Philips GM5662, 4", 14MC B.W., T.B. to 2uS/CM, Sens. 125 mV/inch .....	Application

# 4 Test Equipment

## C.R.O.'s — (Continued).

†Philips GM5666, 4", 60KC, T.B. to 3uS/CM, Sens. 7.5 mV/inch .....	Application
Precision ES550B, 5", B.W., 5MC, T.B. to 100KC, Sens. 10 mV/inch .....	213 19 4
Taylor, 33A .....	171 2 0
*Tequipment, S31, 3" Flat .....	139 1 0

**CLIPS** (See with Probes).

### CONDENSERS — Precision, Electrolytic (Tantalum).

When applying for quotes, please state whether Duty Free or Duty Paid Prices apply. Full technical specification on application.

Capacitance, Voltage Ratings, Catalogue Numbers, Case Sizes.

Capacitance Rating µf	6 volts at 85°C. 4 volts at 125°C.		10 volts at 85°C. 7 volts at 125°C.		15 volts at 85°C. 10 volts at 125°C.		20 volts at 85°C. 13 volts at 125°C.		35 volts at 85°C. 23 volts at 125°C.	
	Catalogue No.	Case Size	Catalogue No.	Case Size	Catalogue No.	Case Size	Catalogue No.	Case Size	Catalogue No.	Case Size
1.0	SCM105FP006A2	F	SCM105FP010A2	F	SCM105FP015A2	F	SCM105FP020A2	F	SCM105FP035A2	F
1.0	SCM105FP006A4	F	SCM105FP010A4	F	SCM105FP015A4	F	SCM105FP020A4	F	SCM105FP035A4	F
1.2	SCM125FP006A2	F	SCM125FP010A2	F	SCM125FP015A2	F	SCM125FP020A2	F	SCM125BP035A2	B
1.5	SCM155FP006A2	F	SCM155FP010A2	F	SCM155FP015A2	F	SCM155FP020A2	F	SCM155BP035A2	B
1.5	SCM155FP006A4	F	SCM155FP010A4	F	SCM155FP015A4	F	SCM155FP020A4	F	SCM155BP035A4	B
1.8	SCM185FP006A2	F	SCM185FP010A2	F	SCM185FP015A2	F	SCM185FP020A2	F	SCM185BP035A2	B
2.2	SCM225FP006A2	F	SCM225FP010A2	F	SCM225FP015A2	F	SCM225FP020A2	F	SCM225BP035A2	B
2.2	SCM225FP006A4	F	SCM225FP010A4	F	SCM225FP015A4	F	SCM225FP020A4	F	SCM225BP035A4	B
2.7	SCM275FP006A2	F	SCM275FP010A2	F	SCM275FP015A2	F	SCM275BP020A2	B	SCM275BP035A2	B
3.3	SCM335FP006A2	F	SCM335FP010A2	F	SCM335FP015A2	F	SCM335BP020A2	B	SCM335BP035A2	B
3.3	SCM335FP006A4	F	SCM335FP010A4	F	SCM335FP015A4	F	SCM335BP020A4	B	SCM335BP035A4	B
3.9	SCM395FP006A2	F	SCM395FP010A2	F	SCM395BP015A2	B	SCM395BP020A2	B	SCM395BP035A2	B
4.7	SCM475FP006A2	F	SCM475FP010A2	F	SCM475BP015A2	B	SCM475BP020A2	B	SCM475BP035A2	B
4.7	SCM475FP006A4	F	SCM475FP010A4	F	SCM475BP015A4	B	SCM475BP020A4	B	SCM475BP035A4	B
5.6	SCM565FP006A2	F	SCM565BP010A2	B	SCM565BP015A2	B	SCM565BP020A2	B	SCM565BP035A2	B
6.8	SCM685FP006A2	F	SCM685BP010A2	B	SCM685BP015A2	B	SCM685BP020A2	B	SCM685BP035A2	B
6.8	SCM685FP006A4	F	SCM685BP010A4	B	SCM685BP015A4	B	SCM685BP020A4	B	SCM685BP035A4	B
8.2	SCM825BP006A2	B	SCM825BP010A2	B	SCM825BP015A2	B	SCM825BP020A2	B	SCM825GP035A2	G
10	SCM106BP006A2	B	SCM106BP010A2	B	SCM106BP015A2	B	SCM106BP020A2	B	SCM106GP035A2	G
10	SCM106BP006A2	B	SCM106BP010A4	B	SCM106BP015A4	B	SCM106BP020A4	B	SCM106GP035A4	G
12	SCM126BP006A2	B	SCM126BP010A2	B	SCM126BP015A2	B	SCM126BP020A2	B	SCM126GP035A2	G
15	SCM156BP006A2	B	SCM156BP010A2	B	SCM156BP015A2	B	SCM156BP020A2	B	SCM156GP035A2	G
15	SCM156BP006A4	B	SCM156BP010A4	B	SCM156BP015A4	B	SCM156BP020A4	B	SCM156GP035A4	G
18	SCM186BP006A2	B	SCM186BP010A2	B	SCM186BP015A2	B	SCM186GP020A2	G	SCM186GP035A2	G
22	SCM226BP006A2	B	SCM226BP010A2	B	SCM226BP015A2	B	SCM226GP020A2	G	SCM226GP035A2	G
22	SCM226BP006A4	B	SCM226BP010A4	B	SCM226BP015A4	B	SCM226GP020A4	G	SCM226GP035A4	G
27	SCM276BP006A2	B	SCM276BP010A2	B	SCM276GP015A2	G	SCM276GP020A2	G	SCM276HP035A2	H
33	SCM336BP006A2	B	SCM336BP010A2	B	SCM336GP015A2	G	SCM336GP020A2	G	SCM336HP035A2	H
33	SCM336BP006A4	B	SCM336BP010A4	B	SCM336GP015A4	G	SCM336GP020A4	G	SCM336HP035A4	H
39	SCM396BP006A2	B	SCM396BP010A2	B	SCM396GP015A2	G	SCM396GP020A2	G	SCM396HP035A2	H
47	SCM476BP006A2	B	SCM476GP010A2	G	SCM476GP015A2	G	SCM476GP020A2	G	SCM476HP035A2	H
47	SCM476BP006A4	B	SCM476GP010A4	G	SCM476GP015A4	G	SCM476GP020A4	G	SCM476HP035A4	H
56	SCM566BP006A2	B	SCM566GP010A2	G	SCM566GP015A2	G	SCM566HP020A2	H		
68	SCM686GP006A2	G	SCM686GP010A2	G	SCM686GP015A2	G	SCM686HP020A2	H		
68	SCM686GP006A4	G	SCM686GP010A4	G	SCM686GP015A4	G	SCM686HP020A4	H		
82	SCM826GP006A2	G	SCM826GP010A2	G	SCM826HP015A2	H	SCM826HP020A2	H		
100	SCM107GP006A2	G	SCM107GP010A2	G	SCM107HP015A2	H	SCM107HP020A2	H		
100	SCM107GP006A4	G	SCM107GP010A4	G	SCM107HP015A4	H	SCM107HP020A4	H		
120	SCM127GP006A2	G	SCM127GP010A2	G	SCM127HP015A2	H	SCM127HP020A2	H		
150	SCM157GP006A2	G	SCM157HP010A2	H	SCM157HP015A2	H				
150	SCM157GP006A4	G	SCM157HP010A4	H	SCM157HP015A4	H				
180	SCM187GP006A2	G	SCM187HP010A2	H						
220	SCM227HP006A2	H	SCM227HP010A2	H						
220	SCM227HP006A4	H	SCM227HP010A4	H						
270	SCM277HP006A2	H								
330	SCM337HP006A2	H								
330	SCM337HP006A4	H								

### CONNECTORS (See Barrier Strips, Terminal Strips, Plugs and Sockets).

#### DECADE BOXES.

Capacity A.W.A., A8297, 0.0001 to 1.111 MF. ....	22 0 0
†Capacity H & B Grundig CD1, 0-1 MF in 1000 PF Steps .....	Application
†Inductance H & B Grundig, LD1, 1 to 11 Milli-Henry .....	Application
†Inductance H & B Grundig, LD2, 10-100 MH .....	Application
†Inductance H & B Grundig, LD3, 100 MH to 1.1 Henry .....	Application
*Resistance, A.W.A. Type, IR8858, 200 Ohm. to 2.222 Megohm. ....	20 5 0
*Resistance, A.W.A. Type, 3R8858, 1 Ohm. to 11, 110 Ohm. ....	24 5 0

**DECADE BOXES — (Continued).**

†Resistance, H & B Grundig, RD1, 0-11.1 Kilo Ohm. (10 Ohm. Steps) .....	Application
†Resistance, H & B Grundig, RD2 0-11.1 Megohm. (10K Ohm. Steps) .....	Application
Meemade Resitance, 0-11, 110 Ohms. (4 decade) .....	32 0 0
Meemade Resistance, 0-1, 111,000 Ohm. (4 decade) .....	32 0 0

**DECIBEL METERS (dB.) (See with Panel Meters).**

**DIODES (Semi-conductor) (See with Rectifiers and Zener, also General Catalogue).**

**DISTORTION MEASURING BRIDGE.**

†H & B Grundig, KB2, Non. Lin., 0-2 to 40% @ 30, 60, 1000 5KC and 10KC .....	Application
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**ELECTRONIC SWITCHES.**

†H & B Grundig, 710, Switch Range 160 to 280 C/40 to 70 KC, Freq. 10 MC .....	Application
†Philips, GM4580, Switch Range 2.5 C/50 KC, Freq. 600 KC .....	Application

**EHT PROBES (High Voltage) (See with Probes).**

**FIELD STRENGTH METERS.**

Antiference all Australian Channels, 10 $\mu$ V .....	69 0 0
†KLEMT, AT 200 M. ....	169 8 9

**FLYING SPOT SCANNERS.**

B & K Analyst, 1075, checks all stages of T.V. Receiver .....	150 0 0
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**FREQUENCY METERS (Power) .....**

Application

**FREQUENCY METERS (Heterodyne)**

Leader LFM 800, R.F. 100 KC/36 MC, Det. 100 KC/500 MC, 100 KC/5 MC XTALS. (illustrated) .....	63 17 2
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The LFM-800 Frequency Meter is designed for frequency checks and calibration of signal generators, oscillators, transmitters, receivers — both radio and television — and other instruments. The LFM-800 contains a wide range of R.F. oscillator, two quartz oscillators, and a sensitive detector. By using the harmonics of the oscillators, frequencies up to 500 Mc may be covered.

**SPECIFICATIONS:**

Frequency Range:	
R.F. Oscillator	100 Kc to 36 Mc, 6 bands
Heterodyne Detection	100 Kc to 500 Mc
Quartz Crystals	100 Kc $\pm$ 0.01%
	5 Mc $\pm$ 0.01%
Heterodyne Sensitivity	0.5 mV with RF oscillator
	3 mV with Quartz oscillator
Audio Amplification	Over 50 DB gain
Tube Complement	6J6, 6BE6, 2-6BA6, 6X4
Accessories	Input cable; Earphone with plug
Power Supply	A.C., 50/60 cps, 220 V., 30 W., approx.
Size and Weight	8" x 12" x 5" — 11 lb.



**GERMANIUM PROBES (See with Probes).**

**GRIDDIP METERS.**

Grundig 701, 1.7 MC to 250 MC .....	29 15 0
†Grundig 709, 100 KC to 20 MC .....	29 15 0

**IMPEDANCE TESTERS (See also Bridges).**

†H & B Grundig ZP1, all imp. @ 800 C, 1 ohm to 1 M ohm, 200 pF to 200 uF, 0.2 mH to 200 H .....	50 0 0
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**\*INFRA RED DETECTORS (By Texas Instruments) (See also Light Sensors and Photo-electric Cells).**

**INDIUM ANTIMONIDE DIFFUSED JUNCTION INFRA-RED DETECTORS (D $\star$  Detectivity).**

<b>Type M-2000</b> Sensitive area 4 mm <sup>2</sup> circular. Minimum D $\star$ of 4 x 10 <sup>9</sup>	<b>Type M-3017</b> Sensitive area 4 mm <sup>2</sup> circular Minimum D $\star$ of 6 x 10 <sup>9</sup>	<b>Type M-3042</b> Sensitive area 4 to 5 mm <sup>2</sup> circular Minimum D $\star$ of 6 x 10 <sup>9</sup>	<b>Type M-3044</b> Sensitive area 4 to 5 mm <sup>2</sup> circular Minimum D $\star$ of 12 x 10 <sup>9</sup>
<b>Type M-2030</b> Sensitive area 4 mm dia. Nominal D $\star$ of 4 x 10 <sup>9</sup>	<b>Type M-3041</b> Sensitive area 4 to 5 mm <sup>2</sup> circular Minimum D $\star$ of 4 x 10 <sup>9</sup>	<b>Type M-3043</b> Sensitive area 4 to 5 mm <sup>2</sup> circular Minimum D $\star$ of 9 x 10 <sup>9</sup>	<b>Type M-3045</b> Sensitive area 4 to 5 mm <sup>2</sup> circular Minimum D $\star$ of 15 x 10 <sup>9</sup>

**INSULATION TESTERS (Hand Crank).**

Gossen ISOGNOM, 500 Volt, 50 Megohm. ....	Application
†H & B Grundig 511, 500 Volt, 50 Megohm. ....	Application
†H & B Grundig 512, 500 Volt, 20 and 100 Megohm. ....	Application
†H & B Grundig 513, 10/100/1000 Volt, 1/10/500 Megohm. ....	Application
†H & B Grundig 514, 35/1500 Volt, 10/1000 Megohm. ....	Application
†H & B Grundig 515, 500 Volt, 10/1000 Megohm. ....	Application
†H & B Grundig 516, 500 Volt, 50 and 35/1000 Megohm. ....	Application

# 6 Test Equipment

## INSULATION TESTERS (A.C. and Buzzer Operated).

†H & B Grundig Insolavi "2", bat. oper., 50 Megohm, 500 Volt .....	—
†H & B Grundig Insolavi "3", A.C. oper., 50 Megohm., 500 Volt .....	—
†H & B Grundig Insolavi "4", A.C. oper., 50 Megohm. 100 Volt .....	—
*Taylor 130, A.C. operated .....	28 16 0

## INSULATION TESTERS (Transistorised).

**SANWA TRM2, 250 Volt and 500 Volt, 200 and 500 Megohm. ....	30 0 0
**SANWA TRM2/1000, 1000 Volt, 1000 Megohm. ....	35 0 0

## IONIZATION TESTER.

*GIB, 50/1000 V., 500/10 KV, 0/2, 0/20, 0/200 μA, 400,000 Megohm. @ 10 KV .....	95 0 0
*GIB, as above, modified for Cable Testing .....	100 0 0

## BOFA DARKROOM LAMPS.

	Retail	Trade
250 Volt, 15 Watt, BC Base, Dark Red (PF 704) Ortho. Neg. ....	8/1	5/5
250 Volt, 15 Watt, BC Base, Light Red (PF 701) Bromide Pos. ....	5/11	3/11
250 Volt, 15 Watt, BC Base, Yellow (PR 723) Contact Pos. ....	5/11	3/11
250 Volt, 15 Watt, BC Base, Yellow, Green (PF 732) Bromide Pos. ....	5/11	3/11
250 Volt, 15 Watt, BC Base, Green (PF 744) Pan. Neg. ....	8/1	5/5

## BOFA ENLARGING LAMPS.

	Retail	Trade
250 Volt, 75 Watt, Opal E.S. Base .....	5/-	3/4
250 Volt, 150 Watt, Opal E.S. Base .....	8/-	5/4

## EXCITER LAMPS.

	Retail	Trade
4 Volt, 0-75 Amp., P15S Base (Flanged) .....	10/5	6/10
4 Volt, 0-75 Amp., B15S Base .....	9/4	6/1

## BOFA MIRROR BACK PHOTOFLOOD LAMPS.

	Retail	Trade
250 Watt, 250 Volt (3 Hr. Life), E.S. Type (SM) (PF 217) .....	12/3	8/2
500 Watt, 250 Volt (6 Hr. Life), E.S. Type (NM) (PF 218) .....	21/-	14/-
500 Watt, 250 Volt (100 Hr. Life), E.S. Type (BM) (PF 318) .....	36/6	24/4

## KONDO PROJECTION LAMPS.

Volts	Watts	Base	Retail	+ Tax	Volts	Watts	Base	Retail	Trade + Tax
8	50	P15S	38/8	23/1	240/250	150	P28	22/9	14/6
12	100	B15S	19/6	11/4	240/250	200	B15S	25/-	15/6
12	120	P15S	19/6	11/4	240/250	250	B15S	28/-	16/10
32	100	B15S	18/-	10/10	240/250	250	P28	28/-	16/10
32	150	B15S	18/6	11/2	240	300	B15S Stand.	30/6	18/6
32	200	B15S	25/-	15/6	240/250	300	B15S Short	30/6	18/6
115	400	B. & H. 46	40/6	24/4	240	300	B15D	30/6	18/6
115	500	B. & H. 46	44/-	26/5	240	300	Trufocus	46/6	27/2
120	500	B. & H. 38	44/-	26/5	240	300	P28	30/6	18/6
110/120	500	P28	34/-	20/5	240	500	P28	34/-	20/5
120	750	B. & H. 46	51/6	30/11	240	500	Trufocus	58/-	43/-
120	750	P28	47/3	27/6	240	750	P28	53/9	40/3
120	1000	B. & H. 46	59/-	43/5	240/250	750	B. & H. 46	51/6	30/11
120	1000	P28	60/-	36/-	250	1000	P28	60/-	36/-
240	150	B15S	18/6	11/2	240/250	100	B15S	18/-	10/10

## LEADS TEST (See Probes).

## LEAKAGE Current Measuring Instrument.

†H & B Grundig JMI, 0/8 μA and 0/250 MA, 500 Volt .....	Application
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## LIGHT METERS (not Exposure).

AVO, Application, Dual Range .....	Application
Gossen Parvux "2", 0-30/300 Foot Candles .....	Application

## \*Light Sensors, by Texas Instruments:

LS221 — Silicon Dual Element Photovoltaic Null Indicator.	LS224 — Silicon Photovoltaic Miniature Light Sensor (LS222 without glass encapsulation).
LS222 — Silicon Photovoltaic Miniature Light Sensor.	LS225 — Silicon Photovoltaic Miniature Light Sensor (LS222 size silicon element on oval glass header).
LS223 — Silicon Photovoltaic Miniature Light Sensor.	

**METER MOVEMENTS, Milliammeters and Microammeters** (see Panel Meters).

**MICROAMMETERS** (see also under Panel Meters and Multimeters).

\*Hansen DM5, 0-30, 60, 120, 300, 600,  $\mu$ A DC, FSD, 4" Meter ..... 11 15 9

**MICRO SWITCHES** (By Minneapolis Honeywell with Burgess Equivalents (—)).

BZR, Pin Plunger, High Accuracy, 7-9 ozs. Force .....	1 3 2
BZ2R, Pin Plunger Type, Operating Force 9-13 ozs. (AR) .....	0 14 9
BZ2RD, Compact Over Travel Type, Operating Force 9-13 ozs. (CRD) .....	0 19 0
BZ2RL, Roller Leaf, Force 5 ozs. (ARL2) .....	0 16 0
BZ2RL2, Roller Leaf, Force 5 ozs. (ARL2R) .....	1 0 3
BZ2RM22, Special .....	1 3 9
BZ2RQ1, Panel Mount Plunger, Force 9-13 ozs. (ARSQ) .....	1 13 0
BZ2RS, Over Travel Plunger Type, Operating Force 9-13 ozs. (ARS) .....	0 18 3
BZ2RW80, Rigid Lever, Operating Force 1-2½ ozs. (CRW) .....	0 18 9
BZ2RW82, Rigid Lever with Roller, Force 3½ ozs. (CRWR) .....	1 3 9
BZ2RW84, Lo Force Rigid Lever, Force ¼-1 oz. (CRW2) .....	0 18 9
BZ2RW822, Short Roller Lever .....	1 3 9
BZ2RW826, Hinged One Way Roller Type Switch .....	1 8 0
BZ2RW863, Long Lever (6") Actuator, 1 oz. Max. Operating Force .....	1 4 3
3PA1, Cast Aluminium Enclosure for all Standard Switches .....	1 4 9
3PA2, as above, with Flanged Base .....	1 4 9
5PA1, Cover for Standard Size Switch with Solder Term. ....	0 2 6
5PA2, Cover for Standard Size Switch with Screw Term. ....	0 3 2
11SM1-T, Sub Miniature Switch, Force 3-5 ozs. ....	0 13 9
JS2, Leaf Actuator for 11SM1-T Switch, Force 10 ozs. ....	0 2 9
JS5, Roller Leaf Actuator for 11SM1 Switch, Force 10 ozs. ....	0 5 9
JS7, Hump Tip Leaf Actuator for 11SM1 Switch Force, 10 ozs. ....	0 4 7
JS21, Rigid Wire Actuator for 11SM1, Superseded. by JS220 .....	—
JS31, Roller Leaf Actuator to Couple 2-11SM1 Switches .....	0 15 9
JS33, Leaf Actuator to Couple 2-11SM1 Switches .....	0 7 0
JS220, Rigid Pivoted Leaf Actuator for 11SM1 (supersedes JS21) .....	0 6 3
JS221, as above, with Hump Tip .....	0 6 9
JS246, Rigid Pivoted Roller Leaf Actuator for 11SM1 .....	0 12 6
1SX1, Sub, Subminiature Switch .....	1 8 9
V3-1, Small Pin Plunger Switch (see below for Actuators) .....	0 10 3
V3-101, Lo Force, Small Pin Plunger (see below for Actuators) .....	—
V3-601, Long Life, Small Pin Plunger (see below for Actuators) .....	0 14 0
JV1, Leaf Actuator for V3 Switch, Force 15 ozs. ....	0 2 9
JV5, Roller Leaf Actuator for V3 Switch, Force 15 ozs. ....	0 5 9
JV7, Long Leaf Actuator for V3 Switch, Force 15 ozs. ....	0 11 6
JV30, Hinged One Way Roller Actuator for V3, Force 15 ozs. ....	1 3 0
JV26, Long Rigid Lever Actuator for V3, Force 2½ ozs. ....	0 9 6
JV30, Hinged One Way Roller Actuator for V3, Force 15 ozs. ....	1 3 0
*Other Types to Order; application ..... Screw Terminals extra	0 1 0

**MILLIVOLT METERS** (see also Panel Meters and Multimeters).

\*Hansen DMV5, 0-30 mV, 60 mV, 120 mV, 600 mV, 4" Meter ..... 9 1 11

**MULTIMETERS.**

AVO Multiminor, 10 Kopv., 1 K Volt AC/DC, Res. to 2 Megohm, in Leather Case .....	10 10 0
AVO, Model 7, Kopv, 1 KV AC/DC, Res. to 40 Meg., Cap, etc. ....	40 0 0
AVO, Model 8, Mk. 2, 20 Kopv, 2.5 KV AC/DC, Res. to 20 Megohm. ....	45 0 0
AVO, Heavy Duty, 1 Kopv, 1 KV AC/DC, 10 Amp. AC/DC, Res. to 50 K Ohm. ....	31 0 0
†Hartman & Braun (Grundig), Multavi 5, 666 opv, 600 V AC/DC, 6 Amp. AC/DC .....	Application
†Hartmann & Braun (Grundig), Multavi HO, 33 Kopv, 600 V AC/DC, 1.5 Amp. AC/DC Res. ....	Application
KEW, Model AVO, Electrician's, AC Volts 0-150/300, Resistance 0-50 K Ohm. AC Amps. 0-15A .....	3 10 0
Master, Model 2, 1 Kopv, 1 KV AC/DC, 10 A DC, Res. 1 M Ohm., O/L Protection .....	23 14 8
Master, Model 3, as above, but without Overload Protection .....	21 17 4
Philips, 40 Kopv, 120 V AC/DC, 3A—AC/DC, Res. 10 Meg. ....	31 2 9
Sanwa, P1, 2 K, O.P.V. (see illustration) .....	3 10 0
Sanwa, F7-TR, 20 K O.P.V. (see illustration) .....	11 15 0

# 8 Test Equipment

## MULTIMETERS — (Continued)

### SANWA F7-TR

Uses 1/2% Tolerance Zero  
Temperature Coefficient Multipliers  
Measuring Ranges are:

- D.C. Volt — Six Ranges
- A.C. Volt — Five Ranges
- D.C. Milliampere — Five Ranges
- D.C. Resistance — Four Ranges

20,000 ohms/V, 0-0.25/2.5/10/50/250/1000 V.  
8000 ohms/V., 2.5/10/50/250/1000 V.  
0-0.05/0.5/5/50/250 mA.  
R x 1 = 1 ohm to 10 Kilo ohms  
R x 10 = 10 ohms to 100 Kilo ohms  
R x 100 = 100 ohms to 1 Meg ohms  
50 Meg = 100 Kilo to 50 Meg ohms  
0-20 mA, 0-2 mA and 0-200 mA.  
(For simplified Transistor Testing.)  
Pen-light Battery 915, 1.5 V — 1  
Layerbuilt Battery 412, 22.5 V — 1  
3 1/2" x 3 5/8" x 1 7/8"



"L" and "I" — Three Ranges

Batteries Used

Size  
Ninety Day Guarantee  
Full Range of Spare Parts

### SANWA P.1.

D.C. Volts at 2000 Ohm. per Volt 0-6/30/150/600 V.  
A.C. Volts at 2000 Ohm. per Volt 0-6/30/150/600 V.  
D.C. Milliamp 0-150 mA

Resistance to 100,000 Ohms.  
DB — 20 to 22 x 22 and x 20 to x 36 dB  
Size 3 3/8" x 2 1/2" x 1 3/8"  
Spare Parts Available



Taylor, 100A, 100 Kopv, Mirror Scale, 2.5 KV, AC/DC, 10A, DC, 200 Meg., etc. .... 52 15 0

**OSCILLATORS** (see under AF, RF, Sweep, etc.).

**OUTPUT METERS** (see under Power and also Panel).

**PANEL METERS** (by Master, Palec, Sanwa, University).

**MASTER** Types normally in stock (specials to order) — 21 days' delivery average.  
(Asterisk (\*) indicates that this particular size in the range shown is not normal stock).

Range	R21, S21, *R28	R212, S212 S225	S34, R46	*SR68	PT75	PT35
5-0-5 $\mu$ A DC	*£20 6 0	£20 6 0	£20 10 9	—	£25 0 0	£20 10 0
10 $\mu$ A DC	19 2 4	19 2 4	19 16 8	—	23 18 8	19 16 8
10-0-10 $\mu$ A DC	15 2 0	15 3 8	16 3 4	*22 18 8	21 5 4	16 0 8
25 $\mu$ A DC	12 14 0	12 14 0	13 16 8	*21 1 8	18 15 0	13 14 0
25-0-25 $\mu$ A DC	9 18 0	9 18 0	10 18 4	*18 4 0	16 13 4	10 15 8
50 $\mu$ A DC	9 18 0	9 18 0	10 18 4	*17 16 9	16 5 8	10 15 8
50-0-50 $\mu$ A DC	8 6 0	8 6 0	9 6 8	*16 13 4	14 19 0	8 18 0
100 $\mu$ A DC	8 1 4	8 6 0	9 1 4	*16 9 8	14 19 0	8 18 0
100-0-100 $\mu$ A DC	6 2 4	6 2 4	7 4 0	*14 3 8	15 2 8	7 1 4
200 $\mu$ A DC	6 2 4	6 2 4	7 4 0	*14 3 8	12 13 0	7 1 4
200-0-200 $\mu$ A DC	5 14 0	5 14 0	6 16 0	*13 16 0	12 5 4	6 13 4
250 $\mu$ A DC	6 2 4	6 2 4	7 4 0	*14 3 8	12 13 0	7 1 4
500 $\mu$ A DC	5 3 4	5 3 4	6 5 4	*13 8 4	11 17 8	6 2 8
500-0-500 $\mu$ A DC	4 19 0	5 1 0	6 2 4	*13 4 4	11 13 8	5 19 8
1 MA DC	4 19 0	5 1 0	6 2 4	*13 4 4	11 13 8	5 19 8
2 MA DC	4 19 0	5 1 0	6 2 4	*13 4 4	11 13 8	5 19 8
5 MA DC	4 19 0	5 1 0	6 2 4	*13 4 4	11 13 8	5 19 8
10 MA DC	4 19 0	5 1 0	6 2 4	*13 4 4	11 13 8	5 19 8
20 MA DC	4 19 0	5 1 0	6 2 4	*13 4 4	11 13 8	5 19 8
50 MA DC	4 19 0	5 1 0	6 2 4	*13 4 4	11 13 8	5 19 8
100 MA DC	4 19 0	5 1 0	6 2 4	*13 4 4	11 13 8	5 19 8
250 MA DC	4 19 0	5 1 0	6 2 4	*13 4 4	11 13 8	5 19 8
1 Amp. DC	5 0 8	5 2 8	6 2 4	*13 19 8	—	5 19 8
10 Amp. DC	5 0 8	5 2 8	6 2 4	*13 19 8	—	5 19 8
30/0/30 Amp. DC	5 13 4	5 15 0	6 16 0	*14 11 0	—	5 13 4
5 Amp. AC	10 18 8	10 18 8	12 1 4	*21 5 4	—	12 1 4
2 Amp. RF (int.)	6 16 0	6 17 8	8 1 4	—	—	7 18 8
30 Volt DC	5 7 4	5 9 8	6 10 8	*13 16 0	12 5 4	6 8 0
100 Volt DC	6 0 8	6 3 0	7 3 4	*15 18 0	13 19 8	7 0 8
250 Volt DC	7 10 0	6 5 8	8 13 4	*16 15 0	15 4 4	8 10 8
250 Volt AC	8 17 8	9 9 8	10 1 0	*17 14 8	16 17 4	9 18 4
VU Meter Scale A or B	Not avail.	14 8 4	16 5 8	S34 only (illum. S34, £17/18/4)	—	—
DB (-10 to +6)	—	—	—	—	—	11 1 4
Med. Speed	9 1 4	9 1 4	11 4 0	—	—	11 1 4
DB (-10 to +6)	—	—	—	—	—	11 12 4
Hi Speed	10 3 0	10 3 0	11 11 8	—	—	11 12 4

**PALEC PANEL METERS (Moving Coil) (Delivery average 3 to 4 week).**

	216, 225, 30, 32, 35			400, 425, 475			434, 434S			434P, 96 96Q			536 536Q			500 637 658 658Q			600 650			800		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
50 Micro Amp. ....	7	9	0	8	12	0	13	14	0	14	15	0	15	4	0	15	10	0	16	16	0	17	11	0
100 Micro Amp. ....	6	14	0	7	16	9	11	18	0	12	17	0	13	5	0	13	13	0	14	18	0	15	14	0
250 Micro Amp. ....	6	1	0	6	18	6	10	15	0	11	18	0	12	3	0	12	11	0	13	16	0	14	9	0
1 MA to 50 Amp. ....	5	5	0	6	0	0	10	0	0	11	0	0	11	8	0	11	16	0	13	2	0	13	17	0
1 Volt DC to 1000 Volt ..	5	15	0	6	11	0																		
1 Volt DC to 300 Volt DC ..	—						10 15 0			11 15 0			12 4 0			12 12 0			13 19 0			14 12 0		
400 Volt to 600 Volt DC ..	—						11 10 0			12 11 0			12 18 0			13 9 0			14 13 0			15 7 0		
AC Volts .....	Add 30/- to Equivalent DC Range (Rectifier Type).																							
RF Ammeter 1A to 10A .....	—																							

**PALEC PANEL METERS (Moving Iron).**

	216 35			434 434S			96 434P 96Q			536 536Q			500 637 658 658Q			600 650			800		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1 Amp. to 50 Amps. AC ....	4	2	6	7	9	0	8	9	0	9	6	0	9	12	0	10	15	0	11	8	0
60 Amps. to 100 Amps. AC ..	—			8	5	0	9	8	0	10	5	0	10	12	0	11	15	0	12	7	0
120 Amps. to 300 Amps. ....	—			—			—			12	17	0	13	4	0	14	7	0	14	19	0
10 Volts to 150 Watts AC ..	4	13	6	—			—			—			—			—					
200 Volts to 600 Volts AC ..	5	7	0	—			—			—			—			—					
5 Volts to 150 Volts .....	—			8	14	0	9	17	0	10	10	0	11	3	0	12	4	0	12	11	0
200 Volts to 300 Volts .....	—			10	13	0	11	19	0	11	2	0	11	13	0	12	14	0	13	3	0
400 Volts to 600 Volts .....	—			11	3	0	12	8	0	12	19	0	13	10	0	14	13	0	15	0	0

Concentric Scale Instruments, etc. .... On Application

**SANWA PANEL METERS (Moving Coil).**

Range DC	MO2	MR2	MO25	MR25	MO3	MR3	MS	MO4	MR4	MR6	Range
10 µA .....	—	—	118/-	118/-	162/-	162/-	160/-	280/-	280/-	400/-	10 µA
20 µA .....	100/-	100/-	108/-	108/-	138/-	138/-	140/-	260/-	260/-	380/-	20 µA
50 µA .....	86/-	86/-	90/-	90/-	114/-	114/-	112/-	220/-	220/-	288/-	50 µA
100 µA .....	72/-	72/-	80/-	80/-	95/-	95/-	93/-	183/-	183/-	252/-	100 µA
200 µA .....	62/-	62/-	71/-	71/-	90/-	90/-	88/-	183/-	183/-	252/-	200 µA
500 µA .....	57/-	57/-	71/-	71/-	77/6	77/6	77/6	94/-	94/-	216/-	500 µA
1 MA .....	48/-	48/-	62/-	62/-	75/9	75/9	75/9	91/9	91/9	195/-	1 MA
5 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	5 MA
10 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	10 MA
20 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	20 MA
25 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	25 MA
30 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	30 MA
50 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	50 MA
75 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	75 MA
100 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	100 MA
150 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	150 MA
200 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	200 MA
250 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	250 MA
300 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	300 MA
500 MA .....	58/-	58/-	72/-	72/-	85/9	85/9	85/9	101/9	101/9	205/-	500 MA
1 Amp. ....	68/-	68/-	82/-	82/-	95/9	95/9	95/9	111/9	111/9	215/-	1 Amp.
5 Amp. ....	78/-	78/-	92/-	92/-	105/9	105/9	105/9	101/9	101/9	225/-	5 Amp.
10 Amp. ....	85/-	85/-	102/-	102/-	115/9	115/9	115/9	131/9	131/9	235/-	10 Amp.
5 Volt DC to 1000 Volt DC ..	70/-	70/-	84/-	84/-	97/9	97/9	97/9	113/9	113/9	217/-	5 Volt DC to 1000 Volt DC
10 Volt AC to 1000 Volt AC ..	75/-	75/6	90/6	90/6	103/3	103/3	103/3	103/3	103/3	222/6	10 Volt AC to 1000 Volt AC

D.C. Current Ranges listed above up to 1 Milliamp D.C. (ex Stock). Other Ranges listed and Specials, 2 to 3 day delivery (maximum).

**UNIVERSITY PANEL METERS (average delivery 4 to 6 weeks); full range** ..... On Application  
Meter Hole Cutting Punch, 2 1/8" diameter ..... 4 7 8



# 10 Test Equipment

Case Details of all Panel Meters Listed (approx. dimensions in inches).

Nominal Size	Type	MASTER				Type	PALEC			
		A	B	C	D		In Inches			
		In Inches					A	B	C	D
2" Round	R21	2.71	—	1.12	2.06	216R	2.75	—	1.5	2.06
2½" Round	R28	3.18	—	1.12	2.5	32R	3.25	—	1.34	2.5
3" Round	R212	3.37	—	1.12	2.75	35R	3.38	—	1.38	2.75
4" Round	—	—	—	—	—	434R	4.75	—	2.75	4.13
5" Round	R46	5.28	—	1.78	4.43	475R	4.88	—	1.38	4.12
6"/7" Round	SR68	7.37	—	2.25	6.5	650	7.75	—	5.0	6.5
2" Square	S21	2.25	2.25	1.25	2.06	216S	2.25	2.25	1.56	2.06
2½" Square	S225	2.5	2.5	1.0	2.12	225	—	—	—	—
3" Square	S212	3.37	3.0	1.06	2.75	35S	3.38	3.12	1.28	2.75
4" Square	S34	4.3	3.97	1.0	3.25	400	4.75	4.38	1.25	—
4" Rectangular	P35	4.75	3.94	1.0	3.12	425	4.25	4.06	1.25	—
6"/7" Rect.	P75	6.75	5.31	2.5	2.12	658	6.6	6.6	5.75	6.4 sq.

Nominal Size	Type	SANWA				Type	UNIVERSITY			
		A	B	C	D		In Inches			
		In Inches					A	B	C	D
2" Round	MO2	2.6	—	1.37	2.05	F2	2.75	—	—	2.06
2½" Round	MO25	3.38	—	1.88	2.55	T3	3.25	—	—	2.5
3" Round	MO3	4.33	—	1.88	3.35	F3	3.5	—	—	2.75
4" Round	MO4	—	—	—	—	—	—	—	—	—
5" Round	—	—	—	—	—	F5	5.0	—	—	4.12
6"/7" Round	—	—	—	—	—	—	—	—	—	—
2" Square	MR2	2.36	2.36	0.9	2.04	R2	2.25	2.25	—	2.06
2½" Square	MR25	3.14	3.14	0.94	2.59	R3	3.0	3.0	—	2.75
3" Square	MR3	3.93	3.93	1.38	3.38	R4	4.75	4.0	—	3.12
4" Square	MR4	4.73	4.73	1.85	4.33	W4	4.75	4.0	—	3.12
4" Rectangular	MS	4.92	3.97	1.29	2.75	—	—	—	—	—
6"/7" Rect.	MR6	5.9	5.9	1.88	5.35	—	—	—	—	—

Dimension Code—

A — Overall diameter or length  
B — Height

C — Depth behind panel, exc. terminals  
D — Barrel diameter

## PATTERN GENERATORS.

B & K Analyst 1075 (Flying Spot Scanner), all channels	150	0	0
H & B Grundig 372 Hor. and Vert. Bars Checker Board Pattern, etc.	Application		
Leader LSG301, Marker Generator, has Vert. and Horizontal Bars	67	10	0
Philips GM2891 40-80 MC and 170-225 MC	97	0	0
†Precision E420, Dot and Bar, Channel 1-5 only	Application		

## pH METERS.

Hartmann & Braun pehavi-C, 0-14 pH, many electrodes	Application
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## PHOTO ELECTRIC CELLS (See also I.R. Sensors).

Type	Elec./Equiv.	Base	Gas./vac.	Sens.	
‡20CG	—	loktal	G	Red	£2 11 8
‡20AV	—	loktal	V	Blue	2 11 8
‡20CV	—	loktal	V	Red	2 11 8
‡58CG	—	leads	G	Red	2 11 8
‡58CV	—	leads	V	Red	2 11 8
90AG	—	7 P min	G	Blue	2 13 11
90AV	—	7 P min	V	Blue	2 13 11
90CG	—	7 P min	G	Red	2 11 8
90CV	—	7 P min	V	Red	2 11 8
IN2175	Photo Diode	Leads	Semi-conductor	Red	6 6 0
‡868	CE1	4 pin	G	Red	2 1 6
922	—	Plug in	V	Red	1 9 8
923	CE23	4 pin	G	Red	1 16 4
927	CE25/36	3 pin Amp.	G	Red	2 12 4
929	CE29	octal	V	Blue	1 9 8
930	CE30	octal	G	Red	1 9 8
ORP30	Cad. Sulphide	octal	Visible		2 6 9
ORP90	Cad. Sulphide	7 P min	Visible		2 6 9
61SV	Lead Sulphide	Spec.	Infra Red		8 5 0
931A	Photo Multiplier				5 16 6

## PHOTOGRAPHIC LAMPS (See Lamps).

## PICTURE TUBE ADAPTERS.

For Palec ET4A	2	18	6
For Precision Valve Testers (PTA)	7	19	3
For Precision Valve Testers (PAA) for (110°)	5	3	0

**PICTURE TUBE REJUVENATOR.**

B & K CRT440, Restores Emission Brightness, Removes Shorts, etc. .... 56 0 0

**POWER LEVEL (WATT) METERS.**

Camille Bauer (H & B) Ucosi to 150 Amps. AC, 500 V AC, 75 KW AC ..... 47 0 0

Palec PA2, Volts AC/DC 125, 250, 500 Amps. AC 2, 5, 20; 10,000 Watts AC ..... 26 5 0

Harness for PA2, 3 pin male to 3 pin female ..... 2 2 0

**POWER SUPPLIES (Regulated) (Stabilized).**

†B.W.D. 200, 0-500 Volt @ 250 MA, Neg. 0-100 V @ 1 MA and Filaments ..... 160 0 0

†B.W.D. 210, 0-500 Volts @ 250 MA, Neg. 0-250 V @ 30 MA and Filaments ..... 185 0 0

†B.W.D. 230, 300 to 3000 Volt @ 10 MA ..... 225 0 0

†H & B Grundig SN3, 80/350 V DC + 0-10 Volt and 0-35 Volt + Filaments ..... Application

†H & B Grundig 6007, 2 x 80/350 V + 50/250 + 10 V + 50 V + 100 V Filaments ..... Application

V 50 V 100 V + Filaments ..... Application V 50 V 100 V + Filaments ..... Application

**PROBES (all Types) (also Test Prods and Leads).**

**Per Pair**

Prods, Mastermade (no leads or plugs) ..... 0 8 2

Prods, GRA, with Cotton Covered Leads and Banana Plug ..... 0 16 3

Prods, GRA, with Cotton Covered Leads and Insul. Spade Ends ..... 0 18 6

Prods, GRA, with Cotton Covered Leads and 1/16" Plugs (U.S.A., Jap.) ..... 0 18 6

Prods, GRA, with Cotton Covered Leads and 3/16" Plugs to suit Taylor ..... 1 2 6

Leads, Cotton Covered with Banana Plug each end; Special ..... 0 10 0

Leads, Cotton Covered with Banana Plug one end and Spade the other; Special ..... 0 12 0

Leads, Plastic Covered with Prods and 1/16" Pins to Suit Jap. Meters ..... 0 7 6

Leads, only AVO Senior, Shrouded Plug ..... Application

Leads, only AVO Senior, Hook ends ..... Application

Leads, only AVO Junior, with Clips and Banana Plugs ..... Application

Leads, with Prods and Banana Plugs, University ..... 0 10 6

Probe, HV for AWA Voltohmist 30 KV ..... 6 0 0

‡Probe, HV for Tech VTVM, 20 KV ..... 3 3 0

‡Probe, HV for Ferrocarril VTVM, 20 KV ..... 3 0 0

Probe, Clip-on, Hirschmann, 5" Lead or Banana Plug (see SP Leads above); Red or Black ..... each 0 11 0

Probe, Clip-on, Hirschmann, 3" Lead or Banana Plug (see SP Leads above); Red or Black ..... each 0 8 9

Clip, Gossen, Insulated, Red and Black, takes Banana Plug (see Special Leads) ..... each 0 3 10

Prod Clips for AVO Leads ..... per pair Application

\*Probe, HV GM4579B, for Philips P817 ..... 7 15 9

\*Probe, HV for AVO Model 8 ..... Application

Probe, HV for AVO ETM ..... Application

Probe, Germanium for AWA Volts Voltohmist, new type ..... 4 6 0

Probe, Germanium for Tech. VTVM ..... 2 6 6

Probe, Germanium for Ferrocarril VTVM ..... 2 5 0

Probe, Lo Capacity for AWA C.R.O. .... 5 8 0

Probe, Lo Capacity for Leader C.R.O. .... 5 15 6

\*Probe, Lo Capacity for Serviscope ..... Application

**PROJECTION LAMPS (See under Lamps).**

**PYROMETERS (Palec, Master, etc.) (Details on application).**

**RADIO FREQUENCY OSCILLATORS (MARKERS) (See also Marker Adders and Sweep).**

Avo Type III, A.M., 150 Kc to 220 Kc (all fund.) + audio. .... 65 0 0

\*Avo Type, TFM, FM/AM, 5 to 220 Mc AM, 65 to 120 Mc FM ..... 100 0 0

\*A.W.A., FM/IF Signal and Sweep Generator (for FM Receivers), IFA51920 ..... 138 0 0

A.W.A. T.V. Marker Generator, 10 to 260 Mc xtal acc. + 5.5 Mc xtal, A56057 ..... 136 0 0

Leader, LSG20, 120 Kc to 130 Mc (260 Mc on Harm.) + Crystal (illus.) ..... 42 0 0

Leader, LSG100, 400 Kc to 36 Mc in 5 Bands (illus.) ..... 16 10 0

Leader, LSG200, 100 Kc to 36 Mc in 6 Bands (illus.) ..... 26 5 0

Leader, LSG220, 100 Kc to 36 Mc Metered opt. and mod., Lab. Type (illus.) ..... 74 0 0

Leader, LSG301, 3.5 Mc to 250 Mc + 5.5 Mc xtal + Vert. and Hor. Bars (illus.) ..... 67 10 0

\*Philips, RF Generators (Details and Price) ..... —

\*Precision, E200C, 88 Kc to 440 Mc, built in Bias Supply, etc. .... 88 5 11

\*\*Sanwa, SWO, 300 RF Oscillator, 150 KC-150 MC (Fund) (300 MC Harmonics) ..... 16 16 0

# 12 Test Equipment

## R.F. OSCILLATORS — (Continued).

### LSG20.

#### SPECIFICATIONS:

Frequency Range	120 KC to 130 MC on fundamentals
(6 Bands)	120 MC to 260 MC on harmonics
R.F. Output	Over 100,000 microvolts
R.F. Control	Variable, with two connectors
Quartz Crystal	FT-243 type, 1 MC to 12 MC
Mod. Frequency	Approximately 400 cps
A.F. Output	Two to three volts
A.F. Input	Approximately four volts
Tube Complement	12BH7, 6AR5, 6X4, OB2
Accessories	FT-243 type 5 MC crystals; Co-axial Output Cable
Power Supply	AC 50, 220 V 17 W approx.
Size and Weight	8" x 10" x 5"; 11 lb.



### LSG-100.

#### SPECIFICATIONS:

Frequency Range	400 Kc to 36 Mc, 5 bands. (Lowest is band-spread)
Calibration Accuracy	Within 1%
Output	High, Low and Fine
Internal Modulation	400 cps, approx.
External Modulation	Approx. 6 volts
Tube Complement	6BE6, 6X4
Power Supply	AC, 50/60 cps, 220 V, 15 W
Size and Weight	6½ x 10 x 4½ in.; 6 lb.



The LSG-200 SIGNAL GENERATOR is designed to meet the demand for a high grade and versatile instrument covering most requirements. The frequency coverage is sufficient for practically all type of all-wave receivers. It is recommended for service benches, assembly plants, schools, and laboratories.

### LSG-200.

#### SPECIFICATIONS:

Frequency Range	100 Kc to 36 Mc, 6 bands. (Lowest is band-spread)
Calibration Accuracy	Within ± 1%
Output	High, Low and Variable
Internal Modulation	400 cps approx.; 40% depth
External Modulation	1.5 V approx. for 40% Modulation
Tube Complement	2-6BD6, 6X4
Power Supply	AC 50 cps, 220 V, 20 W approx.
Size and Weight	8' x 12" x 5"; 9.5 lb.



The LSG-220 is suitable for design and servicing of radio receiver and parts. Due to the engineering features, such as the metering of the radio frequency output, and the audio modulation, it is recommended for use as an accurate secondary-standard signal generator.

### LSG-220.

#### SPECIFICATIONS:

Frequency Range	100 Kc to 38 Mc in 6 bands
R.F. Output	100,000 microvolts, maximum
Output Impedance	75 Ω
Attenuation	10 : 1 per step, 5 steps
Modulation	CW, 400 cps, External; to 50%, indicated on meter
Tube Complement	6J6, 6AQ5, 12BH7, 6X4
Accessory	75 ohm cable
Size	220 V, AC, 30 W
	9 x 13½ x 6 in.



### LSG-301 TV-FM MARKER GENERATOR

The use of an over-sized dial assures accuracy. The crystal oscillator output may be used independently for calibrating external oscillators, etc. For linearity checking of TV receivers, the vertical and the horizontal bars may be generated in the absence of broadcast patterns. A self-contained crystal diode detector and a two-stage audio amplifier are used for self or external frequency calibration, local oscillator checking, etc.

#### SPECIFICATIONS:

Frequency Range	Fundamental—	Harmonic—
	A 3.5 Mc to 8 Mc	B 7 Mc to 16 Mc
	C 16 Mc to 40 Mc	D 32 Mc to 80 Mc
	E 75 Mc to 125 Mc	F 150 Mc to 250 Mc
Frequency Calibration	Within ± 1%	
Quartz Crystal (furnished)	5.5 MC ± 0.05% accuracy	
Quartz Oscillator	1 MC to 12 MC xtals may be used	
Output Impedance	75 Ω, unbalanced	
Output Voltage	Over 100,000 microvolts, continuously variable	
Bar Mod. Frequencies	Vertical 100 KC to 200 KC	
(adjustable)	Horizontal 700 cps to 900 cps	
Output Cable	75 Ω, co-axial (supplied)	
Audio Output Indicator	2½" Speaker; earphone	
Tube Complement (5)	6C4, 6J6, 12AT7, 12BH7, 6X4	
Power Supply	220 V AC, 35 W	
Size and Weight	12½" x 8½" x 5½"; 13.5 lb.	



#### R.F. PROBES (See Probes).

#### RECTIFIERS (Instrument).

1 Milliamp Westinghouse (bridge) .....	1 16 3
5 Milliamp Westinghouse (bridge) .....	1 16 3
To 5 MA Triplet Full Wave (3 terminal) .....	0 15 0
Rectifier for Avo Multiminor .....	0 6 9
Rectifier for Hansen, TMK (State Number of Lugs on Rect.) .....	0 7 6
Rectifier for Tech. and Ferrocart VTMS .....	0 12 6
Rectifiers for Sanwa P1 and F7 TR Multimeters .....	0 7 6

#### RECTIFIERS & DIODES, Semi-Conductor Type (by Texas Instruments) (see also General Catalogue).

TI TYPE	MATERIAL	TI TYPE	MATERIAL	TI TYPE	MATERIAL
C-01	S	1N462	S	1N606A	S
G-01	S	1N463	S		
G-02	S	1N464	S	606	S
TI 2	S	1N482	S	1N607	S
TI 6	S	1N482A	S	1N607A	S
				1N608	S
				1N608A	S
TI 010	S	1N482B	S		
TI 025	S	1N483	S		
TI 050	S	1N483A	S	608	S
E84-E89	S	1N483B	S	1N609	S
TI 116	S	1N484	S	1N609A	S
				1N610	S
				1N610A	S
TI 117	S	1N484A	S		
TI 118	S	1N484B	S		
G129	S	1N485	S	610	S
G130	S	1N485A	S	1N611	S
TI 136	S	1N485B	S	1N611A	S
				1N612	S
				1N612A	S
TI 137	S	1N486	S		
TI 138	S	1N486A	S		
E140-E145	S	1N486B	S	612	S
U-212	S	1N487	S	1N613	S
U-213	S	1N487A	S	1N613A	S
				1N614	S
				1N614A	S
U-214	S	1N488	S		
G222	S	1N488A	S		
1N251	S	XD-500	GaAs	614	S
JAN 1N251	S	XD-501	GaAs	616	S
1N253	S	XD-502	GaAs	618	S
				620	S
JAN 1N253	S	XD-503	GaAs	622	S
1N254	S	1N530	S	624	S
JAN 1N254	S	1N531	S		
1N255	S	1N532	S	1N625	S
JAN 1N255	S	1N533	S	1N626	S
				1N627	S
				1N628	S
1N256	S	1N534	S		
JAN 1N256	S	1N535	S		
E261-E262	S	1N536	S	1N629	S
G296	S	1N537	S	1N643	S
1N332	S	1N538	S	1N645	S
				1N645A	S

# 18 Test Equipment

## SENSISTORS.

### SHUNTS.

A range of Shunts for 1 milliamp (100 ohm.) (100 mV) Meters is normally kept in stock in the following values:—

5, 10, 15, 20, 25, 30, 50, 75, 100, 150, 200, 250, 300, 500 MA .....	each	0	8	0
1 amp. ....	each	0	12	6
5 amp. ....	each	1	2	6
10 amp. ....	each	1	5	0

Special Shunts to order; Meter and/or full details required.

*Avo Shunts, 480 or 400 amps. ....	Application
*Avo Shunts, 240 or 200 amps. ....	Application
*Avo Shunts, 120, 100, 60 or 50 amps. ....	Application
*Palec External Shunts for 50 mv or 75 mv to 1000 amps. as under:—	
*Palec 30 amp. Shunts .....	1 15 0
*Palec 100 amp. Shunts .....	2 0 0
*Palec 200 amp. Shunts .....	2 5 0
*Palec 300 amp. Shunts .....	3 5 0
*Palec 600 amp. Shunts .....	4 10 0
*Palec 1000 amp. Shunts .....	6 17 6
*Palec 1000 amps. and up to 20,000 amps. (75 mv movements only) .....	Application
Also 1% voltmeter multipliers available from stock ..	Application

### SIGNAL TRACERS.

‡Amos 136 Audible and Visual, AC operated, to 200 MC operation .....	44	3	3
†H & B Grundig, SVI Audible and Meter (300 MC), also measures DC Volts and Res. ....	Application		
Philips, 800XX, for T.V. and Radio Service .....	10	0	0
*University, AST, Audible and Meter for Radio Receivers only .....	60	0	0

### SILICON (for Transistor Manufacture) (Texas Instruments).

Category Number	TECHNICAL DATA SILICON SINGLE CRYSTALS Standard $\frac{3}{8}$ " Diameter $\pm 1/16$ " Crystal Pricing Categories		Grade	SEMI-CONDUCTOR GRADE SILICON Minimum Resistivity and Carrier Type (Between 20-60% of crystal)	
	p-type	n-type			
	1	0.002-0.05		0.002-0.05	I
2	0.05 -1.0	0.05 -1.0	IIA	70 ohm-cm p-type	
3	1-25	1.5	II	40 ohm-cm p-type, 14 ohm-cm n-type	
4	25-50	5-15	III	25 ohm-cm p-type, 5 ohm-cm n-type or pn	
5	50-100	15-40	Solar	Less than 25 ohm-cm p-type, 5 ohm-cm n-type or pnpn	
6	>100-<300**	40-100**		Grades II and III available in $1\frac{1}{2}$ " diameter rod form	

For stock details, see Rectifiers.

### SILICON TRANSISTORS (See under Transistors).

<b>SOLAR CELLS</b> (by Texas Instruments) .....	Application
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<b>SOLID CIRCUIT</b> , Sub-Miniature Computer Building Blocks .....	Application
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### STANDS FOR PANEL METERS.

3" Sloping Front to suit 3" Round Meters, Bakelite, with Terminals .....	1	1	0
3" Sloping Front to suit 2 $\frac{3}{4}$ " Round Meters, Bakelite, with Terminals .....	1	3	4
3" Sloping Front to suit 3" Round Meters, no Sides, with Terminals .....	0	17	0
4" Sloping Front to suit 4" Sq. Meters, no Sides, with Terminals .....	1	1	0

(See also Instrument Cases in General Section of Catalogue).

### STRAIN GAUGES.

†Tenso Tetric Transistorised Indicator Unit, Type ITI ..	Application
†Tenso Stabilised Power Supply for above, Type NTL ..	Application
†Tenso Filter, Type GTI .....	Application
†Tenso Tetric Strain Gauge Pick-up, Cements, etc. ....	Application

### SWEEP GENERATORS, with and without Marker (see also RF).

A.W.A. 50 Kc to 50 Mc + TV Chan. 1/10, 10 Mc Sweep (for Marker) (see RF) .....	147	0	0
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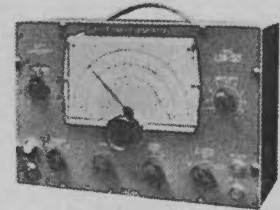
## SWEEP GENERATORS — (Continued).

### LSW-321

The LEADER LSW-321 SWEEP GENERATOR is an improved instrument which is the best in its class. Laboratory performance is obtained due to the thorough shielding employed. It is possible to make overall response tests from the antenna to the detector. Signals for the VHF, IF and FM frequencies in the range, 2 Mc to 270 Mc are available.

#### SPECIFICATIONS:

Frequency Range	A 2 Mc to 120 Mc B 150 Mc to 270 Mc
Sweep Deviation	12 Mc or more
Sweep Method	Vibrating Capacitor, at line frequency
Output Impedance	75 $\Omega$ , unbalanced
Output Voltage RF	Over 100,000 microvolts
Horiz. Sweep	2 V, phase controlled
Tube Complement (5)	6J6, 6CB6, 6C4, 6AV6, 6X4
Accessory Cables (3)	75 $\Omega$ RF; 300 $\Omega$ pad Horizontal input to scope
Power Supply	220 V, 35 W
Size and Weight	(See also Marker Generator and Marker Adder) 12 $\frac{1}{8}$ " x 8 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ "; 14.4 lb.



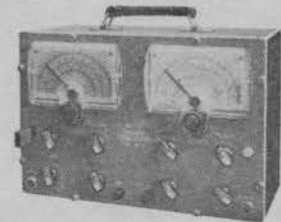
### LSG-531.

The Model LSG-531 SWEMAR GENERATOR is a newly designed Sweep and Marker Generator for use in the servicing, maintenance and checking of TV and FM Receiving Sets. It is used to obtain the response curves on an oscilloscope screen.

#### SPECIFICATIONS:

Frequency Range	0 ~ 12 Mc or more
Marker Calibration	Within 1% or better
Quartz Crystal	5.5 Mc $\pm$ 0.05%
Sweep Method	Vibrating Capacitor, sinusoidal
Sweep Impedance	75 $\Omega$ , unbalanced
Output Impedance	75 $\Omega$ , unbalanced
Output Voltage	Over 100,000 microvolts
Controls	R.F. Output Multiplier, 3-step, X1, X10, X100 Fine Output Adjustment Sweep width Horizontal Phase Blanking, OFF/ON Marker Amplifier Crystal Socket External Marker Input
Tube Complement	6J6, 2-12BH7, 6AV6, 6X4
Accessories	Cables: 75 $\Omega$ R.F. Output, Ext. Marker Input 220 V, A.C., 300 W approx. 9' x 13 $\frac{1}{2}$ " x 6"; 16 lb.

Sweeper A	3 Mc ~ 120 Mc Beat Frequency
B	150 Mc ~ 270 Mc Fundamentals
Marker A	3 Mc ~ 270 Mc Fundamentals 9 Mc ~ 33 Mc Harmonics
B	19 Mc ~ 75 Mc Fundamentals 57 Mc ~ 225 Mc Harmonics



Leader LSG531, Sweep 3-270 Mc, Marker 3-225 Mc $\pm$ 5.5 Xtal	£74 0 0
Leader LSW321, Sweep only, 2 Mc to 270 Mc, for use with LSG301 and LMA1000	66 10 0
Leader LMA1000 Marker Adder for Separate Sweep and Marker Generators (LSW321, LSG301)	22 10 0
†Hartmann & Braun (Grundig), 6016, S & M to 250 Mc, 30 Mc width, 5.5 Mc Xtal	Application
Philips, GM2875, Sweep and Marker, Sweeps 5-220 Mc, Marker 25-220 Mc	120 0 0
*Philips, GM2876, Transistorised Marker Adder for GM2875 Sweep	Application
*Precision, E400, 3-900 Mc, 2 Mc and 5.5 Mc Xtals, Sweep only	149 14 6
Precision 220, Marker Adder for E400 Sweep and E200C Marker	56 15 6

### LMA-1000 HETERODYNE MARKER ADDER.

The LMA-1000 is a most useful device when used in combination with the LSW-321 and the LSG-301 described above for receiver alignment. It is possible to "mark" the calibrating frequencies on the resonance curves at all points, even in the trap circuits without disappearance. This is done without distorting or overloading the circuits under test. The marker signal does not pass through the receiver. Alignment will be more accurate because the pip amplitude may be varied independently of the swept frequencies. The instrument is specially designed for use with the LEADER LSW-321 and LSG-301, and is highly recommended.

#### SPECIFICATIONS:

RF Input Impedance	75 $\Omega$ , unbalanced
Marker Output Voltage	3 V, maximum
Input RF Voltage required	At least 50,000 microvolts
Marker Attenuation	0-60, DB, variable
Response Curve Attenuation	0-20 DB, variable
Tube Complement (4)	6BE6, 6AU6, 12BH7, 6X4
Accessory Cables (4)	2 75 $\Omega$ co-axial 2 Shielded Connection 220 V A.C., 15 W 5 $\frac{1}{2}$ " x 8 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ "; 5 lb.



## 22 Test Equipment

### TRANSISTOR TESTERS.

Avo .....	£155 0 0
M & W Pocket Type PNP/NPN, Beta to 200, 1 CO to 1 MA .....	17 10 0
Precision 960, Power and Low Power Types + Diodes Subscription Data Service .....	88 3 11
Precision 10-60, as above, combined with Mut. Cond. Valve Tester Data Service .....	182 17 1
Precision 660, as 960, combined with Emission Valve Tester .....	108 10 0
Sanwa STR307, PNP/NPN + Diodes, Internal Oscillator (illust.) .....	38 10 0

#### SANWA STR-307 TRANSISTOR CHECKER.

The STR-307 is a High Grade Instrument for measuring collector leakage current and current Gain (Beta) under conditions of measured voltage (0 ~ 27 volt) and with a proper signal applied (270 c/s) from internal oscillator.

A built-in high Gain V.T.V.M. measures  $I_{co}$  to very low levels.

Vco: 0 ~ 27 V

Continuously variable direct reading  $\pm 2.5\%$

I-emitter:

Continuously variable direct reading  $\pm 2.5\%$

$I_{co}$ : 0 ~  $30\mu A \pm 2.5\%$

B (Beta): 0 ~ 10 ~ 100 ~ 1,000 3 ranges  $\pm 1.5\%$  or less

built in oscillator Frequency: 270 c/s.  $\pm 7\%$

Tube Complement: 6AU6X2, 6AT6X1

STR-307



Dimensions:  $8\frac{1}{2}'' \times 10\frac{1}{4}'' \times 5''$ , approx.

### TROLLEY (Instrument).

Paynco Tilting Top, adjustable depth, casters .....	17 15 0
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### TUBE TESTERS (See Valve Testers).

### VACUUM TUBE VOLTMETERS.

‡Amos 140, Transistorised DC Voltmeter, from 50 MV to 20,000 Volt DC .....	72 10 0
Avo 5 mV to 1000 Volt DC, 0.1 Volt to 2.5 KV AC, 5 mW to 5 W, 5 to 5 K ohm, Res. Cap. ....	105 0 0
A.W.A. Voltohm 7" Meter, 11 meg input, 1500 Volt AC/DC, 1000 M ohm., etc. ....	42 0 0
†H & B (Grundig) R.V.3, 30 meg. input, 1 KV AC/DC, 500 M ohm, 7" Meter .....	Application
†H & B (Grundig) RV54, AC only, from 3 mV fsd to 300 Volt fsd, 200 KC .....	Application
†H & B (Grundig) RV51, AC only, from 8 mV fsd to 800 Volts fsd, 20 KC .....	Application
*Palec TVM, 11 meg. input, 1500 Volt AC/DC, 100 megohm .....	49 10 0
†Precision 98 MCP, 7" Meter, 26 meg. input, 1200 V AC/DC, 1000 megohm .....	Application
‡Tech PV58, 11 meg. input, 1500 Volt AC/DC, 1000 megohm, etc. ....	19 10 0

### VALVE TESTERS.

Avo VCM MK 4, Latest Model Mutual Conductance .....	175 0 0
*Avo CT160, for industrial use .....	210 0 0
†B & K Model 550, 650, 675 Tube Testers .....	Application
Funke W20, Punched Card, all types, all Voltages Metered, Xtal Diodes .....	136 0 0
*Metrix 320, Mut. Cond., all types .....	Application
→ Palec ET4A, Emission, all modern Valves .....	37 15 0
Precision 10-60, Mat. Cond., all American types + Transistor Tester .....	182 17 0
Precision 1040, as above, without Transistor and Diode Tests .....	137 14 4
Precision 660, Emission, all American types + Transistor Tester .....	108 10 0
Precision 640, Emission, all American types, as above, no Transistor Tests .....	76 12 6
*University TVT Emission, all types .....	40 0 0
*University TST2 Emission, all types + 1 Kopv Multimeter .....	58 0 0

### VARIABLE VOLTAGE TRANSFORMERS (Variac Type and Automatic).

†H & B Grundig RT3, 110/1220 Volt in, 250 Volt out, 300 W, Isolation Meter .....	Application
Ringkern RTB, 220 Volt in, 0-250 Volt, 1 Amp. out, encased .....	15 10 0
*Trimax S38, 60 VA, Auto Regulation Range 190-260 Volts AC .....	16 13 4
*Trimax S40, as above, with Conduit Fittings instead of Sockets .....	16 13 4

**ZENER DIODES.**

Types 650C through 655C9, Alloyed Silicon Voltage Reference Diodes.

**MAXIMUM RATINGS—**

Parameters and Test Conditions	650C	651C	652C	653C	654C9	655C9	Unit
I <sub>o</sub> Average Rectified Forward Current at 25°C	125	120	110	100	100	100	ma
I <sub>o</sub> Average Rectified Forward Current at 150°C	50	45	40	40	40	40	ma
P Power Dissipation at 25°C	150	150	150	150	150	150	mw
P Power Dissipation at 150°C	40	40	40	40	40	40	mw
T <sub>A</sub> Operating Temperature, Ambient	-65 to +150						°C
Altitude	100,000						ft

**SPECIFICATIONS:**

Parameters and Test Conditions	650C	651C	652C	653C	654C9	655C9	Unit
V <sub>s</sub> Reverse Breakdown Voltage	4.5						v
Measured at 5ma at 25°C—Maximum	4.5	5.4	6.4	8.0	9.5	10.5	v
—Minimum	3.7	4.3	5.2	6.2	8.5	9.5	v
I <sub>b</sub> Minimum Forward Current at + 1 volt at 25°C	125	100	75	60	60	60	ma
I <sub>l</sub> Maximum Reverse Current at — 1 volt at 25°C	0.1*	0.1	0.1	0.1	0.1	0.1	µa
I <sub>l</sub> Maximum Reverse Current at —1 volt at 150°C	20	20	20	20	20	20	µa

—Maximum reverse current of 650C0 and 650C1 is 0.15 µa at —1 volt at 25°C.  
All temperatures indicated are ambient temperatures.

**PLUS OR MINUS 5% TOLERANCE SERIES.**

The types listed below are supplied with a breakdown voltage within plus or minus 5% of the value indicated. Standard symbolisation is used to identify these units.

Type	Voltage Breakdown	Type	Voltage Breakdown	Type	Voltage Breakdown	Type	Voltage Breakdown
650C0	3.7v	651C0	4.5v	652C0	5.5v	653C0	6.5v
650C1	3.8v	651C1	4.6v	652C1	5.6v	653C1	6.6v
650C2	3.9v	651C2	4.7v	652C2	5.7v	653C2	6.7v
650C3	4.0v	651C3	4.8v	652C3	5.8v	653C3	6.8v
650C4	4.1v	651C4	4.9v	652C4	5.9v	653C4	7.0v
650C5	4.2v	651C5	5.0v	652C5	6.0v	653C5	7.2v
650C6	4.3v	651C6	5.1v	652C6	6.1v	653C6	7.4v
650C7	4.4v	651C7	5.2v	652C7	6.2v	653C7	7.6v
—	—	651C8	5.3v	652C8	6.3v	653C8	7.8v
—	—	651C9	5.4v	652C9	6.4v	653C9	8.0v

Types 654C9 and 655C9 are plus or minus 0.5 volts.

Silicon Voltage Regulator Diodes, 3.3 to 12 Volts, 400 mw, Types 1N746 through 1N759, available in 5% and 10% tolerances, —65 to 175°C operation and storage; guaranteed dynamic Zener impedance.

**MAXIMUM RATINGS:**

Power Dissipation at 25°C	P	400 mw
Power Dissipation at 150°C	P	100 mw
Average Rectified Forward Current at 25°C	I <sub>o</sub>	230 ma
Average Rectified Forward Current at 150°C	I <sub>o</sub>	85 ma
Operating and Storage Temperature	T <sub>A</sub>	—65 to + 175°C

**ELECTRICAL SPECIFICATIONS:**

Type	V <sub>z</sub> * I <sub>s</sub> = 20 ma dc v	I <sub>l</sub> E <sub>b</sub> = -1 v µa		Z <sub>z</sub> I <sub>z</sub> = 20 ma dc I <sub>ac</sub> = 1 ma ohms (max.)	Temperature Typical Coefficient % °C	VOLTAGE RANGE			
		25°C	150°C			± 10% Series		± 5% "A" Series	
						Min.	Max.	Min.	Max.
1N746	3.3	10	30	28	-0.062	2.97	3.63	3.135	3.465
1N747	3.6	10	30	24	-0.055	3.24	3.96	3.420	3.780
1N748	3.9	10	30	23	-0.049	3.51	4.29	3.705	4.095
1N749	4.3	2	30	22	-0.036	3.87	4.73	4.085	4.515
1N750	4.7	2	30	19	-0.018	4.23	5.17	4.465	4.935
1N751	5.1	1	20	17	-0.008	4.59	5.61	4.845	5.355
1N752	5.6	1	20	11	+0.006	5.04	6.16	5.320	5.880
1N753	6.2	0.1	20	7	+0.022	5.58	6.82	5.890	6.510
1N754	6.8	0.1	20	5	+0.035	6.12	7.48	6.460	7.140
1N755	7.5	0.1	20	6	+0.045	6.75	8.25	7.125	7.875
1N756	8.2	0.1	20	8	+0.052	7.38	9.02	7.790	8.610
1N757	9.1	0.1	20	10	+0.056	8.19	10.01	8.645	9.555
1N758	10.0	0.1	20	17	+0.060	9.00	11.00	9.500	10.500
1N759	12.0	0.1	20	30	+0.060	10.80	13.20	11.400	12.000

\*± 10% Zener voltage tolerance.

For ± 5% devices specify 1N746A through 1N759A.

All prices subject to 12½% Sales Tax.

Instrument and Special Equipment Enquiries to H. Braidwood, Technical Manager.

RADIO PARTS INSTRUMENTS, 562 Spencer Street, Melbourne — FY 1251