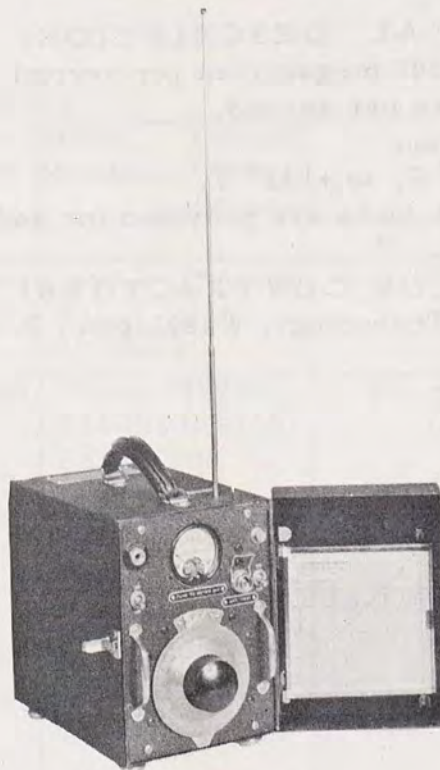


FREQUENCY METER BC-906-A
(WAVEMETER, BC-906-A)

R-1



FUNCTIONAL DESCRIPTION:

A portable, general purpose, self-contained absorption-type meter used to determine the frequency of continuous wave, modulated carrier wave or pulsed radar transmitters and local oscillators. Also used to calibrate, check sensitivity and align receivers operating in the proper frequency range.

Resonance is indicated by a dip of the microammeter reading and frequency is determined by the dial setting and the associated calibration charts.

RELATIONSHIP TO OTHER EQUIPMENT:

Model A is replaced by Model B.

Provision is made for external use of the microammeter only in Model E.

ELECTROMECHANICAL DESCRIPTION:

Power Supply: One 45 volt Battery BA-53-A; one 1.5 volt Battery BA-35-A.

Type of Reception: Continuous Wave, Modulated Carrier Wave, Pulse.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1690-212508000	ASO-R16-1-2135	2C1546A
PROCUREMENT INFO.:	USAF Exhibit No. ARL-93		
PROCUREMENT COG.:	USAF	DESIGN COG.: USAF, ARL	
F.I.I.N.:	RDB IDENT. NO.:		2.2.3
16 September 1954	- Electronics Test Equipment -		BC-906-A

FREQUENCY METER BC-906-A
(WAVEMETER, BC-906-A)

ELECTROMECHANICAL DESCRIPTION: (Continued)

Frequency Range: 160 to 200 megacycles per second.

Accuracy: ± 0.5 megacycles per second.

Input: Marconi-Type Antenna.

Temperature Range: -13° F. to $+122^{\circ}$ F.

Auxiliary Features: Phone jacks are provided for audio monitoring on all models.

MANUFACTURERS' OR CONTRACTORS' DATA:

Washington Institute of Technology, Washington, D. C.; Approximate Cost, \$75.00.

TUBE COMPLEMENT:

1 JAN-1S5.

REFERENCE DATA AND LITERATURE:

TO 16-55-348 (Spare Parts List).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Frequency Meter BC-906-A and accessories. (Domestic Packed)	1.91	14.5	12	19	40

FREQUENCY METER BC-906-A
(WAVEMETER, BC-906-A)

R-1

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock (USAF) Numbers (Navy) (Army)	Over-all Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Frequency Meter BC-906-A (Complete)	Metal	1690-212508000 R16-1-2135 2C1546A	6-1/2	9-1/4	12-3/8	17.8
1	Antenna AN-108-A (Extendable type)	Brass	7CAC-045900 R16-PH-358-1667 2A275-108	20	0.218		
1	Calibration Chart			5-5/8	5-1/2		
1	Tube JAN-1S5		3300-234155000 2J1S5	2-1/8	3/4		
1	Transportation Case	Wood		14	17-3/4	10	15.2
1	Instruction Book AN0840BC906-2		2C154C/B1				
						Total:	33.0

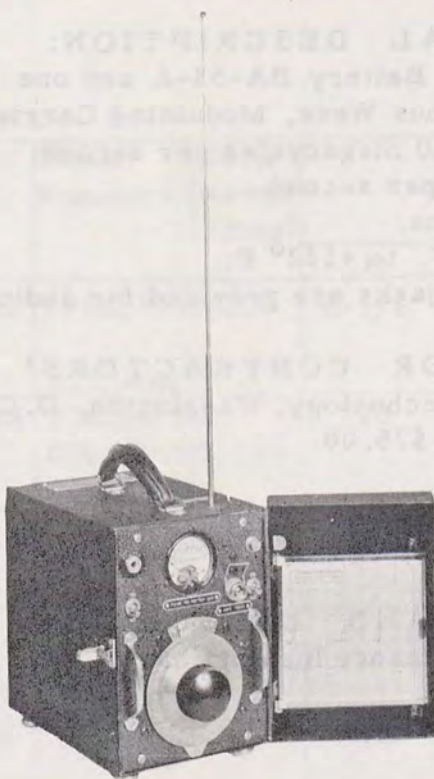
16 September 1954

- Electronics Test Equipment -

BC-906-A

FREQUENCY METER BC-906-B
(WAVEMETER BC-906-B)

R-1



FUNCTIONAL DESCRIPTION:

A portable, general purpose, self-contained absorption-type meter used to determine the frequency of continuous wave, modulated carrier wave or pulsed radar transmitters and local oscillators. It is also used to check sensitivity, calibrate and align receivers operating in its frequency range.

Resonance is indicated by a dip of the microammeter reading, and frequency is determined by the dial setting and the associated calibration charts.

RELATIONSHIP TO OTHER EQUIPMENT:

Part IE-56-A, and IE-56-B.

Model B is replaced by later models.

Provision is made for external use of the microammeter in Model E only.

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1690-212518000		2C1546B
PROCUREMENT INFO.:	USAF Exhibit No. ARL-93		
PROCUREMENT COG.:	USAF	DESIGN COG.:	USAF, ARL
F.I.I.N.:		RDB IDENT. NO.:	2.2.3
11 October 1954	- Electronics Test Equipment -		BC-906-B

FREQUENCY METER BC-906-B
(WAVEMETER BC-906-B)

ELECTROMECHANICAL DESCRIPTION:

Power Supply: One 45 volt Battery BA-53-A and one 1.5 volt Battery BA-35-A.
 Type of Reception: Continuous Wave, Modulated Carrier Wave, Pulse.
 Frequency Range: 160 to 220 megacycles per second.
 Accuracy: ± 0.5 megacycle per second.
 Input: Marconi-Type Antenna.
 Temperature Range: -13° F. to $+122^{\circ}$ F.
 Auxiliary Features: Phone jacks are provided for audio monitoring on all models.

MANUFACTURERS' OR CONTRACTORS' DATA:

Washington Institute of Technology, Washington, D. C.; Order No. 1200-WF-42;
 Approximate Cost per Unit, \$75.00.

TUBE COMPLEMENT:

1 JAN-1S5.

REFERENCE DATA AND LITERATURE:

TO 16-40BC906-2 (Maintenance Instructions).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Frequency Meter BC-906-B and Accessories (Domestic Packed)	1.91	14-1/2	12	19	40
BC-906-B - Electronics Test Equipment - 11 October 1954						

FREQUENCY METER BC-906-B
(WAVEMETER BC-906-B)

R-1

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock (USAF) Numbers (Navy) (Army)	Over-all Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Frequency Me- ter BC-906-B	Metal	1690-212518000 2C1546B	6-1/2	9-1/4	12-3/8	17.8
1	Antenna AN- 108-B (Extend- able type)	Brass	7CAC-045900 R16-PH-358-1667 2A275-108	20	0.218		
1	Calibration Chart			5-5/8	5-1/2		
1	Tube JAN-1S5		3300-234155000 2J1S5	2-1/8	3/4		
1	Transportation Case	Wood		14	17-3/4	10	15.2
1	Instruction Book TO 16- 40BC906-2		2C154C/B1				
						Total:	33.0

11 October 1954

- Electronics Test Equipment -

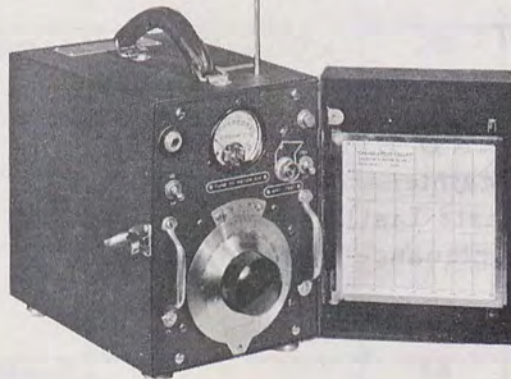
BC-906-B

EQUIPMENT SUPPLEMENT

Quant Per Ed/Pr	Name and Nomenclature	Case Stock Mat'l Numbers (Army)	Over-all Dimensions (Inches)	Weight (Lbs.)	Dimensions	
					H	W
1	Frequency Me- ter BC-908-B	Metal 100-212115000 3C1548	7-1/4 12 3/8	17.8		
1	Antenna Ad- aptor (Extend- ible type)	Brass KAC-04200 RIF 911-22-1081 1A275-108	0.218			
1	Calibration Chart		2-1/2			
1	Test VAN-102	300-23415000 2112	2-1/8			
1	Transportation Case	Wood	17-3/4	10		12.5
1	Instruction Book TO 16- 441/100-4	2C1562/B1				
	Total:			33.0		

FREQUENCY METER BC-906-C
(WAVEMETER, BC-906-C)

R-1



FUNCTIONAL DESCRIPTION:

A portable, general purpose, self-contained absorption-type meter used to determine the frequency of continuous wave, modulated carrier wave or pulsed radar transmitters and local oscillators. Also used to calibrate, check sensitivity and align receivers operating in the proper frequency range.

Resonance is indicated by a dip of the microammeter reading and frequency is determined by the dial setting and the associated calibration charts.

RELATIONSHIP TO OTHER EQUIPMENT:

Model C is replaced by Model D.

Provision is made for external use of the microammeter only in Model E.

ELECTROMECHANICAL DESCRIPTION:

Power Supply: One 45 volt Battery BA-53-A; one 1.5 volt Battery BA-35-A.

Type of Reception: Continuous Wave, Modulated Carrier Wave and Pulse.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.			
STOCK NOS.	1690-212520000	R16-1-2135	2C1546C
PROCUREMENT INFO.:	USAF Dwg. No. ES-C-4448, USAF Exhibit No. ARL-93.		
PROCUREMENT COG.:	USAF	DESIGN COG.: USAF, C&N	
F.I.I.N.:	RDB IDENT.NO.: 2.2.3		
16 September 1954	- Electronics Test Equipment -		BC-906-C

**FREQUENCY METER BC-906-C
(WAVEMETER, BC-906-C)**

ELECTROMECHANICAL DESCRIPTION: (Continued)

Frequency Range: 150 to 225 megacycles per second.

Accuracy: ± 0.5 megacycles per second.

Input: Marconi-type Antenna.

Temperature Range: -13° F. to $+122^{\circ}$ F.

Auxiliary Features: Phone jacks are provided for audio monitoring on all models.

MANUFACTURERS' OR CONTRACTORS' DATA:

Philco Corporation, Philadelphia, Pennsylvania; Order Nos. 811-WF-42 and 3348-WF-43; Approximate Cost, \$75.00.

TUBE COMPLEMENT:

1 JAN-1S5.

REFERENCE DATA AND LITERATURE:

CO-AN08-40BC906-2 (Maintenance Instructions).

TO 16-55-348 (Spare Parts List).

TO 16-40 BC906-2 (Maintenance Instructions).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Frequency Meter BC-906-C and accessories. (Domestic Packed)	1.91	14.5	12	19	40

BC-906-C

- Electronics Test Equipment -

16 September 1954

FREQUENCY METER BC-906-C
(WAVEMETER, BC-906-C)

R-1

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock (USAF) Numbers (Navy) (Army)	Over-all Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Frequency Meter BC-906-C (Complete)	Metal	1690-212520000 R16-1-2135 2C1546C	6-1/2	9-1/4	12-3/8	17.8
1	Antenna AN-108-C (Extendable Type)	Brass	7CAC-045900 R16-PH-358-1667 2A275-108	20	0.218		
1	Calibration Chart			5-5/8	5-1/2		
1	Tube JAN-1S5		3300-234155000 2J1S5	2-1/8	3/4		
1	Transportation Case	Wood		14	17-3/4	10	15.2
1	Instruction Book AN0840BC906-2		2C154C/B1				
						Total;	33.0

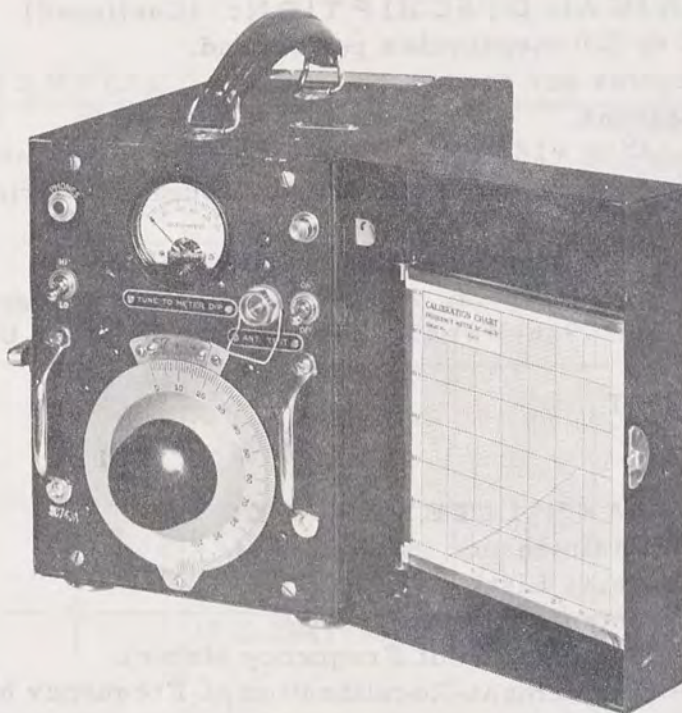
16 September 1954

- Electronics Test Equipment -

BC-906-C

FREQUENCY METER BC-906-D
(WAVEMETER BC-906-D)

R-1



FUNCTIONAL DESCRIPTION:

A portable, general purpose, self-contained, absorption-type meter used to determine the frequency of continuous wave, modulated carrier wave or pulsed radar transmitters and local oscillators. Also used to calibrate, check sensitivity and align receivers operating in the proper frequency range.

Resonance is indicated by a dip of the microammeter reading and frequency is determined by the dial setting and the associated calibration charts.

RELATIONSHIP TO OTHER EQUIPMENT:

Model D is replaced by Model E.

Provision is made for external use of the microammeter only in Model E.

ELECTROMECHANICAL DESCRIPTION:

Power Supply: One 45 volt Battery BA-53-A; one 1.5 volt Battery BA-35-A.

Type of Reception: Continuous Wave, Modulated Carrier Wave and Pulse.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.	Standard		
STOCK NOS.	7CAC-318208-55	ASO-R16-W-2121	2C1546D
PROCUREMENT INFO.:	USAF Dwg. No. ES-C-4448, USAF Spec. No. 271-1789-A		
PROCUREMENT COG.:	USAF	DESIGN COG.:	USAF, C&N
F.I.I.N.:	FUNCTIONAL CLASS. NO.:		2.2.3
16 September 1954	- Electronics Test Equipment -		BC-906-D

FREQUENCY METER BC-906-D
(WAVEMETER BC-906-D)

ELECTROMECHANICAL DESCRIPTION: (Continued)

Frequency Range: 160 to 220 megacycles per second.

Accuracy: ± 0.5 megacycles per second.

Input: Marconi-type Antenna.

Temperature Range: -13° to $+122^{\circ}$ F.

Auxiliary Features: Phone jacks are provided for audio monitoring on all models.

MANUFACTURERS' OR CONTRACTORS' DATA:

Philco Corporation, Philadelphia, Pennsylvania; Order Nos. 811-WF-42 and 3348-WF-43; Contract No. 7916-WF-43; Approximate Cost per Unit, \$75.00.

TUBE COMPLEMENT:

1 JAN-1S5.

REFERENCE DATA AND LITERATURE:

CO AN08-40BC906-2 (Maintenance Instructions).

TO 16-55-348 (Spare Parts List).

TO 16-40BC906-2 (Maintenance Instructions).

TC 16-40BC906-21 (Recalibration of Frequency Meter).

TO 16-40BC906-21A (Supplement-Recalibration of Frequency Meter).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Frequency Meter BC-906-D with accessories. (Domestic packed)	1.91	14.5	12	19	40

BC-906-D

- Electronics Test Equipment -

16 September 1954

FREQUENCY METER BC-906-D
(WAVEMETER BC-906-D)

R-1

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock (USAF) Numbers (Navy) (Army)	Over-all Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Frequency Meter BC-906-D (Complete)	Metal	7CAC-318208-55 R16-W-2121 2C1546D	6-1/2	9-1/4	12-3/8	17.8
1	Antenna AN-108-D (Extendable Type)	Brass	7CAC-045900 R16-PH-358-1667 2A275-108				
1	Calibration Chart			5-5/8	5-1/2		
1	Tube JAN-1S5		3300-234155000 2J1S5	2-1/8	3/4		
1	Transportation Case	Wood		14	17-3/4	10	15.2
1	Instruction Book		2C154C/B1				
						Total:	33.0

16 September 1954

- Electronics Test Equipment -

BC-906-D

FRIGIDENCY WATER BICYCLE
(WATERMETER BC-108-D)

NOT FINISHED LAUNCH MEMORANDUM

Approved for release by the Director, Office of Naval Research

Approved for release by the Director, Office of Naval Research

EQUIPMENT SUPPLIED:

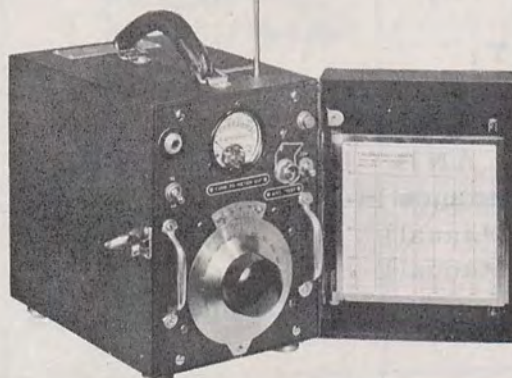
Quantity	Name and Part Nomenclature	Case	Block (USAF)	Mail Numbers (Navy)	Dimensions (inches)	Weight (lb)
					H W D	
1	Frignency Water Meter BC-108-D (Complete)	Brass	TCAC-108-500	TCAC-108-500	5-1/2 9-1/4 12-3/8	17.8
1	Antenna (Extendable Type)	Brass	TCAC-108-500	TCAC-108-500	5-1/2 9-1/4 12-3/8	17.8
1	Calibration Chart					
1	Tube JAN-155					
1	Transportation Case	Wood				
1	Instruction Book					
TOTAL						

SHIPPING DATA

Item	Weight (lb)	Volume (cu ft)	Value (\$)
Frignency Water Meter BC-108-D	17.8		
Antenna (Extendable Type)	17.8		
Calibration Chart			
Tube JAN-155			
Transportation Case			
Instruction Book			
TOTAL			

FREQUENCY METER BC-906-E
(WAVEMETER BC-906-E)

R-1



FUNCTIONAL DESCRIPTION:

A portable, general purpose, self-contained absorption-type meter used to determine the frequency of continuous wave, modulated carrier wave or pulsed radar transmitters and local oscillators. Also used to calibrate, check sensitivity and align receivers operating in the proper frequency range.

Resonance is indicated by a dip of the microammeter reading and frequency is determined by the dial setting and the associated calibration charts.

RELATIONSHIP TO OTHER EQUIPMENT:

Provision is made for external use of the microammeter only in Model E.

ELECTROMECHANICAL DESCRIPTION:

Power Supply: One 45 volt Battery BA-53-A; one 1.5 volt Battery BA-35-A.

Type of Reception: Continuous Wave, Modulated Carrier Wave and Pulse.

Frequency Range: 150 to 234 megacycles per second.

(Continued)

	AIR FORCE	NAVY	ARMY
TYPE CLASS.	Standard		
STOCK NOS.	7CAC-318208-545	ASO-R16-AYS-BC-906-E	2C1546E
PROCUREMENT INFO.:	USAF Dwg. No. ESC-4448, USAF Spec. No. 271-1789-A		
PROCUREMENT COG.:	USAF	DESIGN COG.: USAF, C&N	
F.I.I.N.:		RDB IDENT. NO.: 2.2.3	
17 September 1954	- Electronics Test Equipment -		BC-906-E

FREQUENCY METER BC-906-E
(WAVEMETER BC-906-E)

ELECTROMECHANICAL DESCRIPTION: (Continued)

Accuracy: ± 0.5 megacycles per second.

Input: Marconi-type Antenna.

Temperature Range: -13° F. to $+122^{\circ}$ F.

Auxiliary Features: Phone jacks are provided for audio monitoring on all models.

Microammeter Range: 0 to 500 microamperes.

MANUFACTURERS' OR CONTRACTORS' DATA:

Philco Corporation, Philadelphia, Pennsylvania; Contract No. W-3435-sc-13;
Order No. 19-MPD-43; Approximate Cost, \$75.00. Medco Company Mfg. Dwg.
No. A-1013.

TUBE COMPLEMENT:

1 JAN-1S5.

REFERENCE DATA AND LITERATURE:

AN08-40BC906-2 (Maintenance Instructions).

TM 11-2623 (Technical Manual).

TM 11-1200 (Technical Manual).

TO 16-40BC906-2 (Maintenance Instructions).

SHIPPING DATA:

No. of Boxes	Contents & Identification	Volume (Cu. Ft.)	Over-all Dimensions (inches)			Weight Packed (Lbs.)
			H	W	D	
1	Frequency Meter BC-906-E and accessories. (Domestic Packed)	1.91	14.5	12	19	40
BC-906-E - Electronics Test Equipment - 17 September 1954						

FREQUENCY METER BC-906-E
(WAVEMETER BC-906-E)

R-1

EQUIPMENT SUPPLIED:

Quant. Per Eq'pt	Name and Nomenclature	Case Mat'l	Stock (USAF) Numbers (Navy) (Army)	Over-all Dimensions (inches)			Weight (Lbs.)
				H	W	D	
1	Frequency Meter BC-906-E (Complete)		7CAC-318208-545 R16-AYS-BC-906-E 2C1546E	6-1/2	9-1/4	12-3/8	17.8
1	Antenna AN-108-E (Extendable type)		7CAC-045900 R16-PH-358-1667 2A275-108	20	0.218		
1	Calibration Chart			5-5/8	5-1/2		
1	Tube JAN-1S5		3300-234155000 2J1S5	2-1/2	3/4		
1	Transportation Case	Wood		14	17-3/4	10	15.2
1	Instruction Book AN08-40BC906-2		2C154C/B1				
Total							33.0

17 September 1954

- Electronics Test Equipment -

BC-906-E