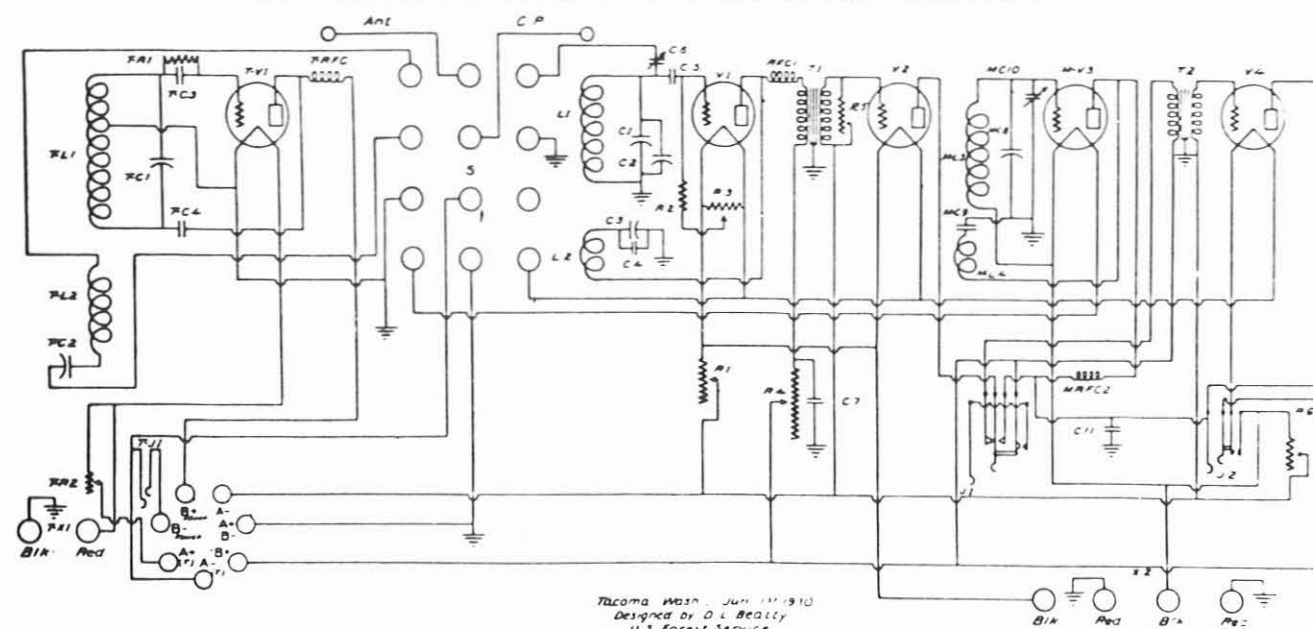


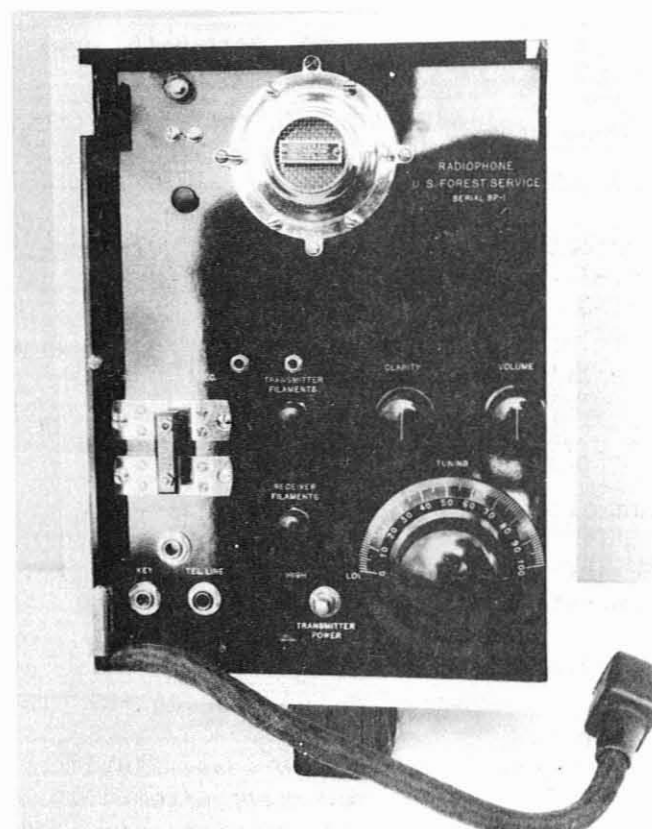


# COMBINED PORTABLE TRANSMITTER-RECEIVER

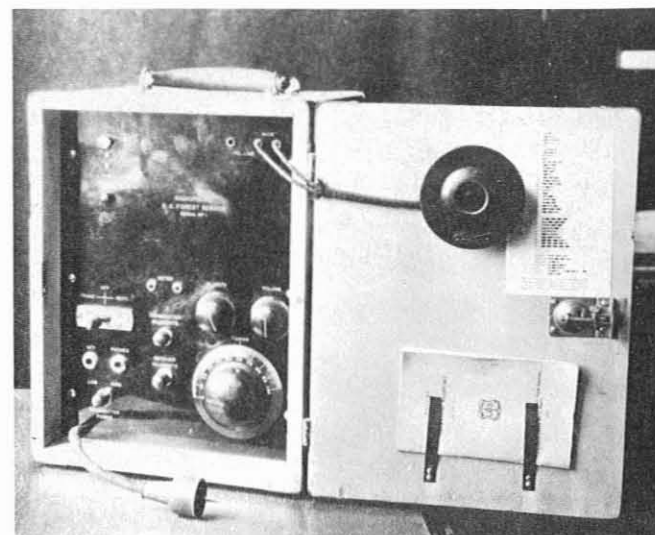


Schematic Diagram, SP-1930

(National Archives:  
Record Group 95G-262848)



(NA:95G-274968)



## Type SP

'Semiportable' SP\*

SSP\*

Designed by: Harold K. Lawson, 1931  
Number produced: 500  
Price: \$146  
Frequency: 3 MHz  
Transmitter: 1 watt, voice-c.w., AM, VFO  
Receiver: Regenerative, simplex  
Power: Dry batteries  
Antenna: 135'/75' Center loaded (see text)  
Weight: 20# net, 55# w/batteries  
Dimensions: 9 x 10 x 13"

Principal use: Lookouts and other temporary locations

\*Comments: Both sets used modified circuit of SP-1930 (see diagram)  
Type SSP had higher first cost, but lower operating cost

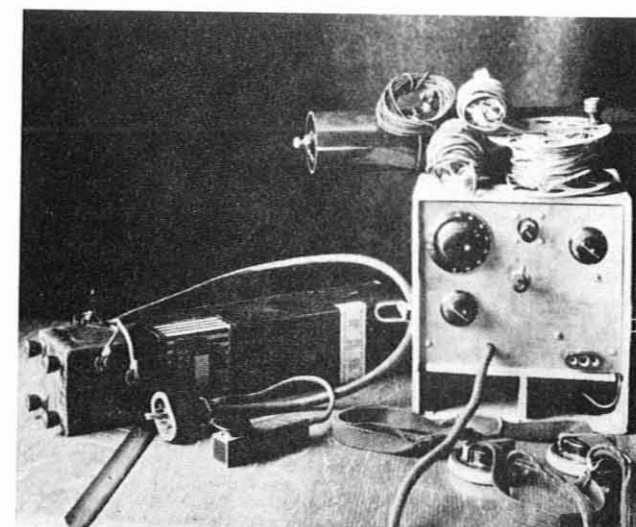
## Type P\*

'Portable'

Designed by: W. Foy Squibb, 1931  
Number produced: 104  
Price: \$50  
Frequency: 3 MHz  
Transmitter: 1 1/4 watts, c.w., AM, VFO (set and lock)  
Receiver: Regenerative, simplex  
Power: Dry batteries  
Antenna: 75' Center loaded (see text)  
Weight: 5# 9 oz. - 12# complete  
Dimensions: 6 x 7 x 7"

Principal use: Smokechasers, fire scouts, and trail crews

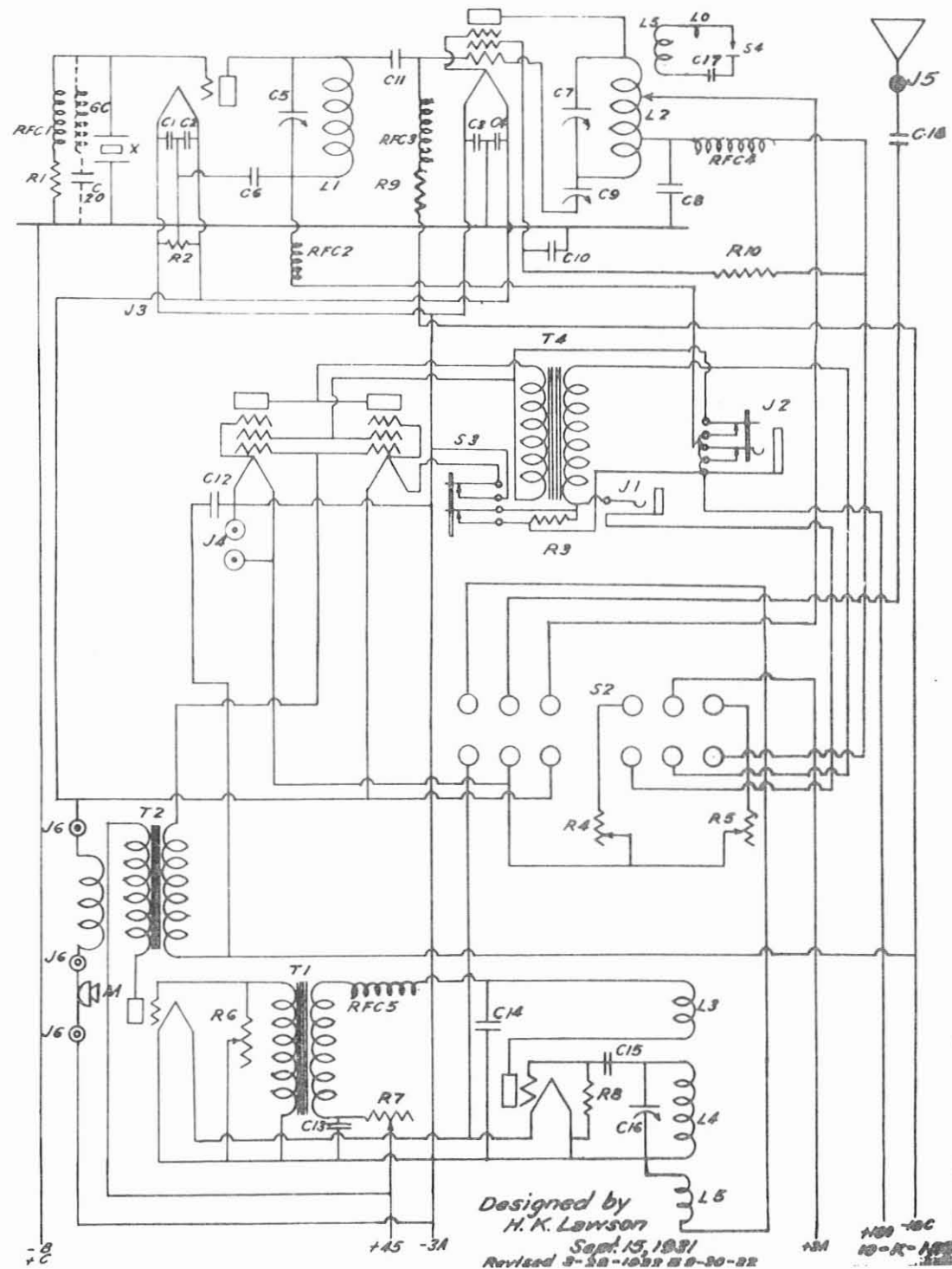
\*Comments: It used a slightly modified circuit of SP-1930 (see diagram)



(NA:95G-274971)

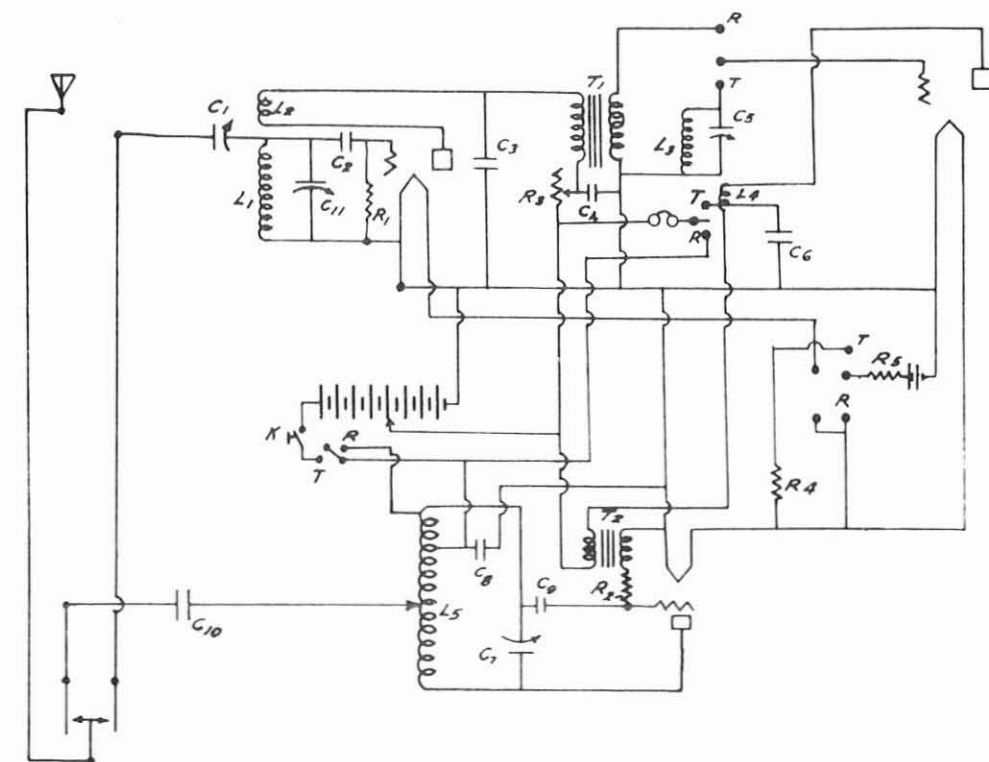
R-6  
FC Radio  
SP Spec

# SCHEMATIC DIAGRAM U.S.F.S. SP RADIOPHONE

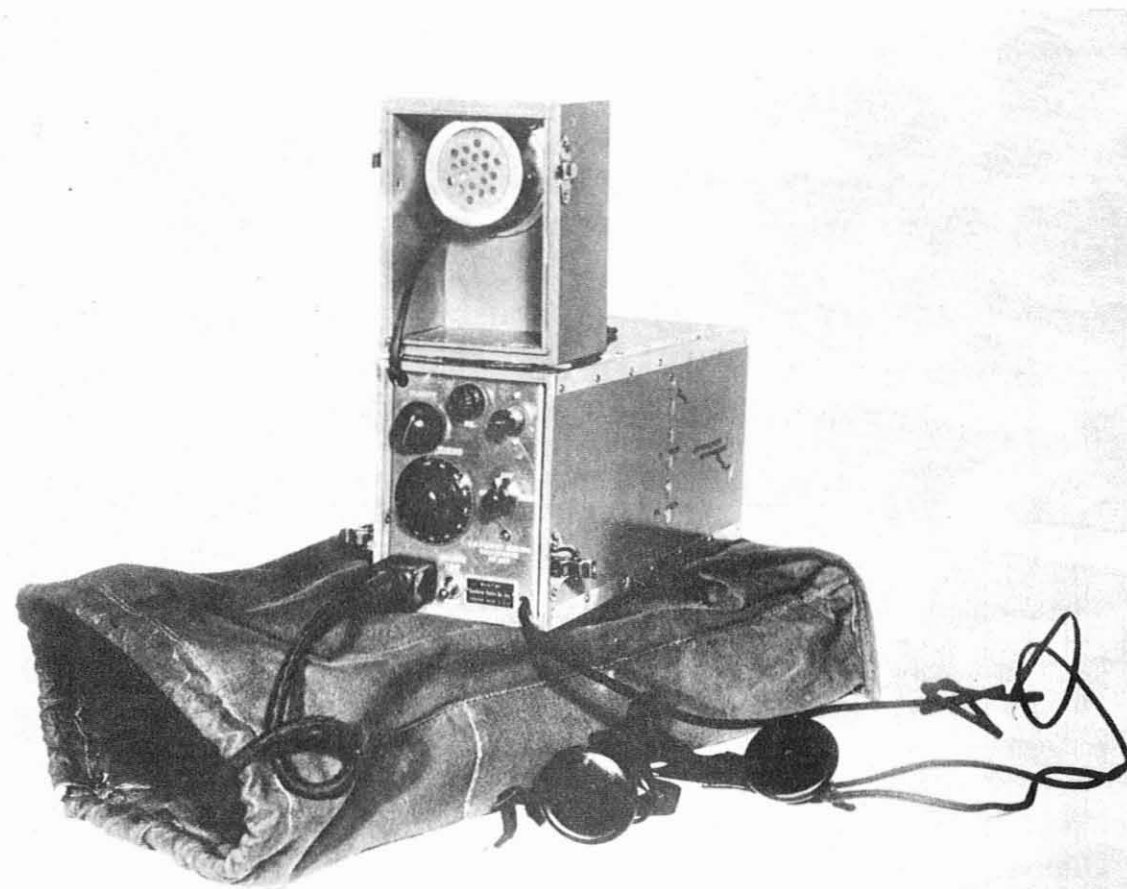


F.C. Radio  
Portable

# SCHEMATIC DIAGRAM U.S.F.S. PORTABLE RADIO





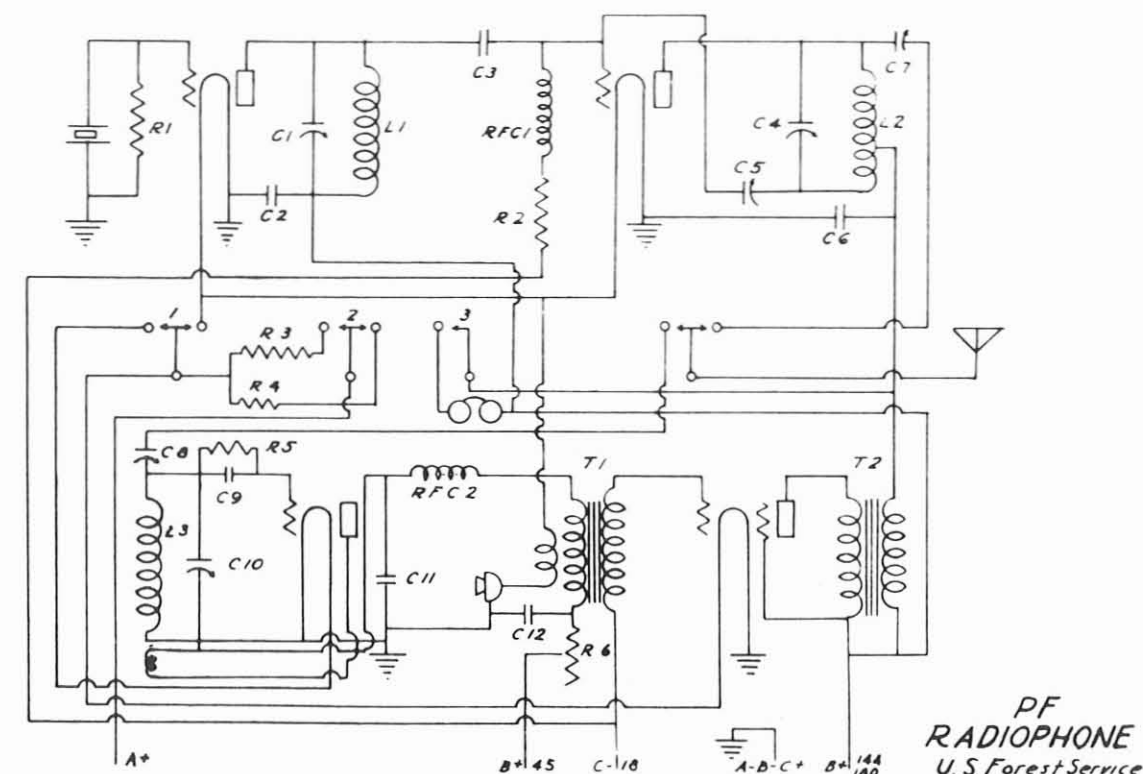


(Forest Service photo, History Section)

#### Type PF

'Portable Fone'\*

Designed by:	Harold K. Lawson/W. Foy Squibb, 1933
Number produced:	450
Price:	\$60-\$75
Frequency:	3 MHz
Transmitter:	2 1/4 watts, voice-c.w., AM, xtals
Receiver:	Regenerative, simplex
Power:	Dry batteries
Antenna:	Center loaded, half wave (see text)
Weight:	14-15#
Dimensions:	4 x 5 x 16"
Principal use:	Smokechasers and work crews
*Comments	Sometimes advertised as "Portable Fireman" PF Kitbox included heavy-duty batteries

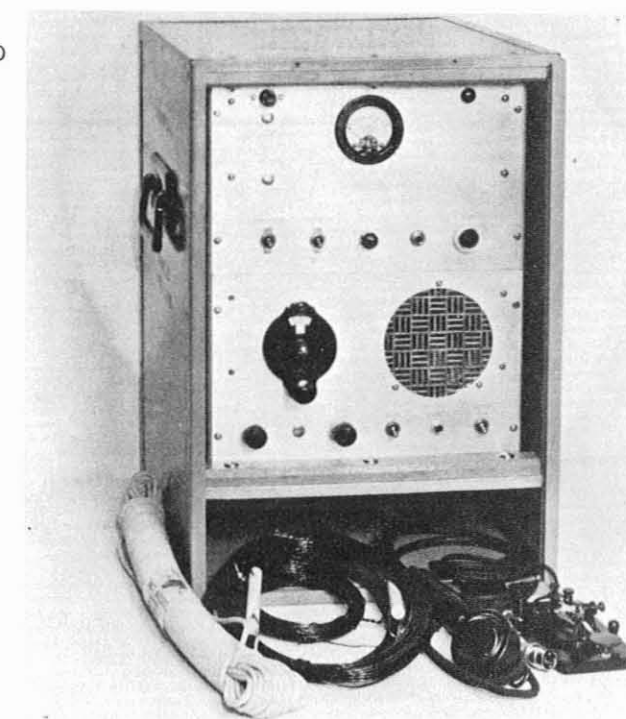
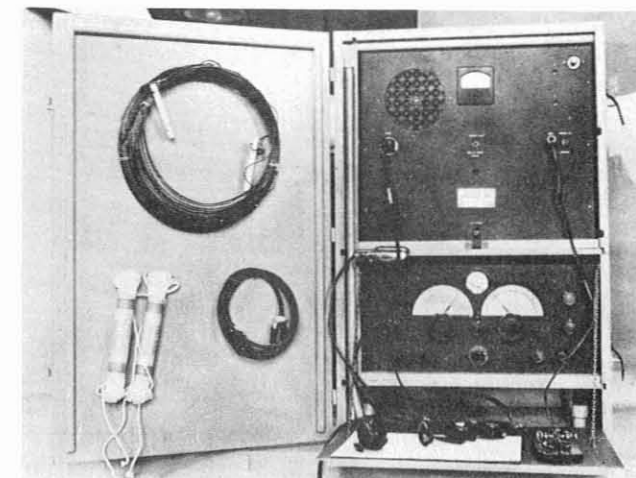


Schematic Diagram, Type PF

Type M, Model D

(Forest Service photos, History Section)

Type M, Model C



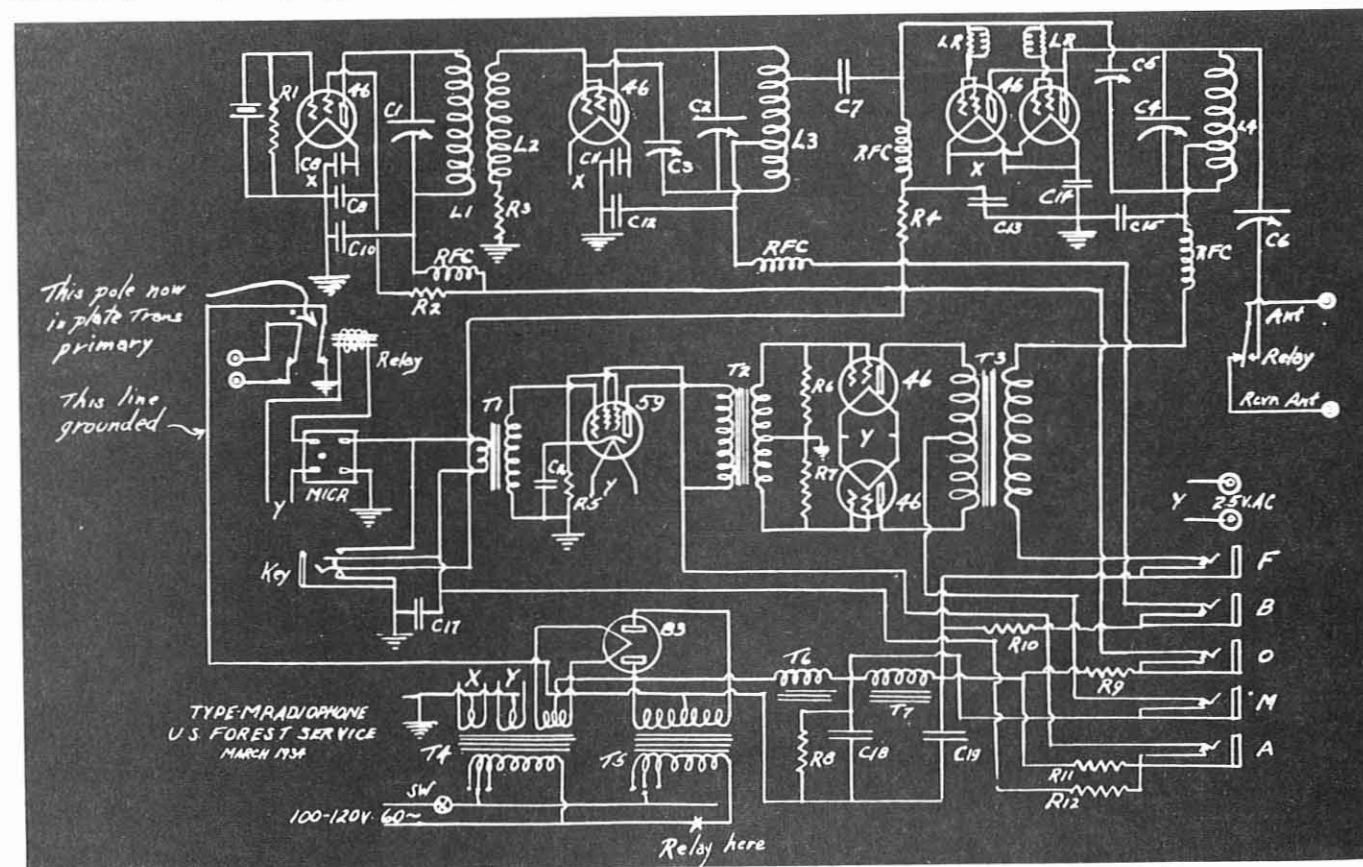
## Type M\*

'Medium power'

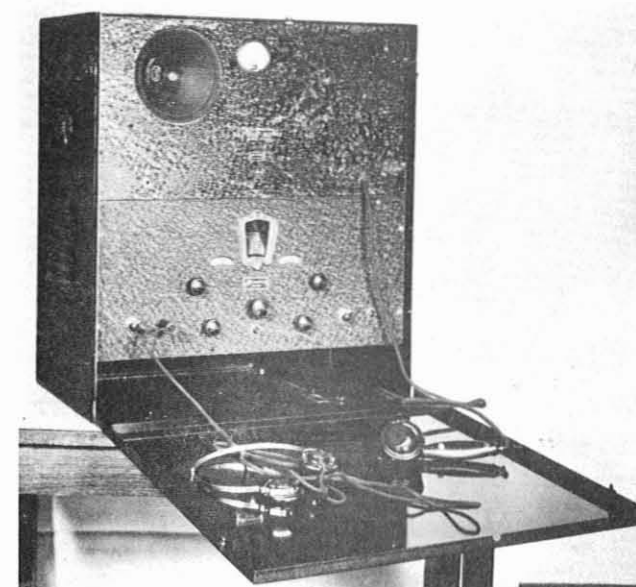
Designed by:	Harold K. Lawson, 1933
Number produced:	210
Price:	\$290
Models:	A, B, C. (Belleville), D (Claypool)
Frequency:	3 MHz
Transmitter:	20 watts nominal, voice-c.w., AM, push-to-talk, xtal
Receiver:	Hammurand Comet Pro and other commercial types; later models Forest Service superheterodyne
Power	110 volts (a.c.) or gas engine generator
Antenna:	Half-wave, single wire feeder
Weight	75-200# depending on model
Dimensions:	10 x 14 x 22" (transmitter only)
Principal use:	Central station for fire crews and supervisor's headquarters

*Comments	Model A (2 units)	Serial Numbers 1-96
	Model B (1 unit)	Serial Numbers 97-152
	Model C (1 unit)	Serial Numbers 154-180
	Model D (1 unit)	Serial Numbers 181-210

Schematic Diagram, Type M-Model A



## Type M-Model B



(Forest Service photo, History Section)  
Schematic Diagram, Type M-Model B

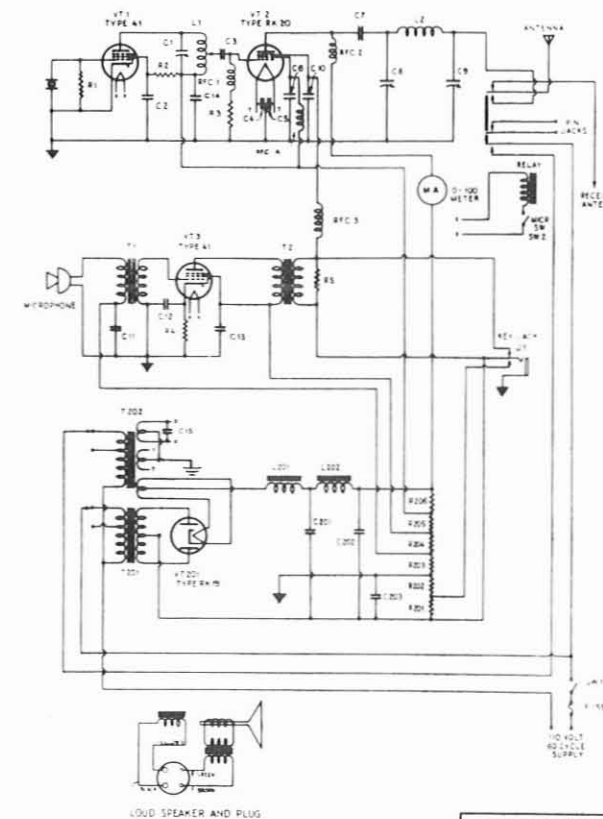
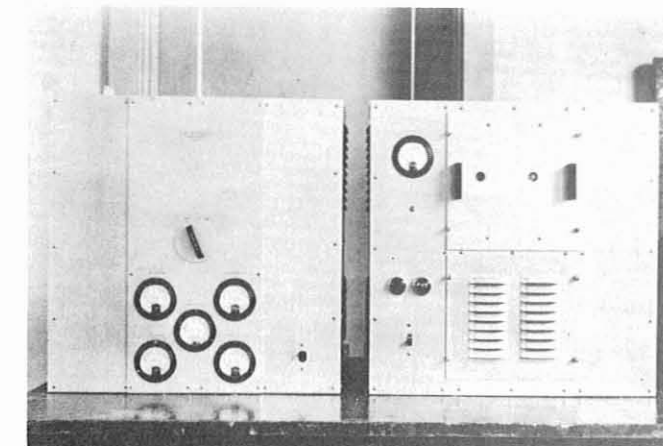


FIG. 2.62

## Type B



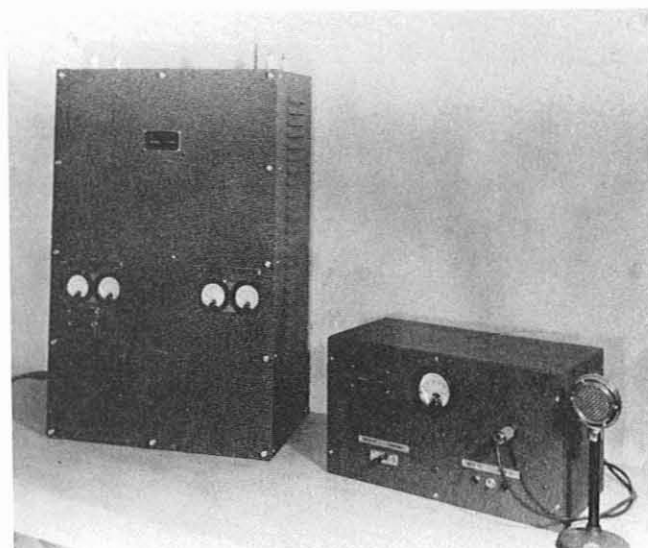
(NA:95G 305779)

## Type B\*

'Boat'

Designed by:	W. S. Claypool, 1934
Number produced:	8
Models:	B and B2 (Radio Laboratory staff)
Frequency:	2300 kHz and 4600 kHz
Transmitter:	200 watts, 2 channel xtal, voice, AM, simplex
Receiver:	Hammurlund Comet Pro
Power:	Gas Engine alternator
Antenna:	Marine Marconi
Weight:	Unknown
Dimensions:	24 x 24 x 12" each
Principal use:	Ship to shore

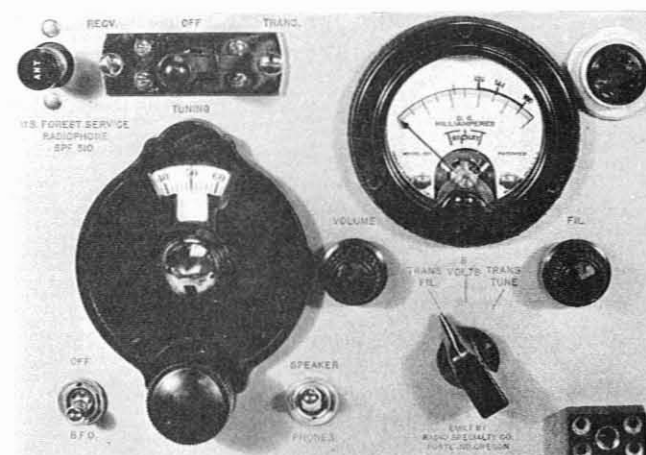
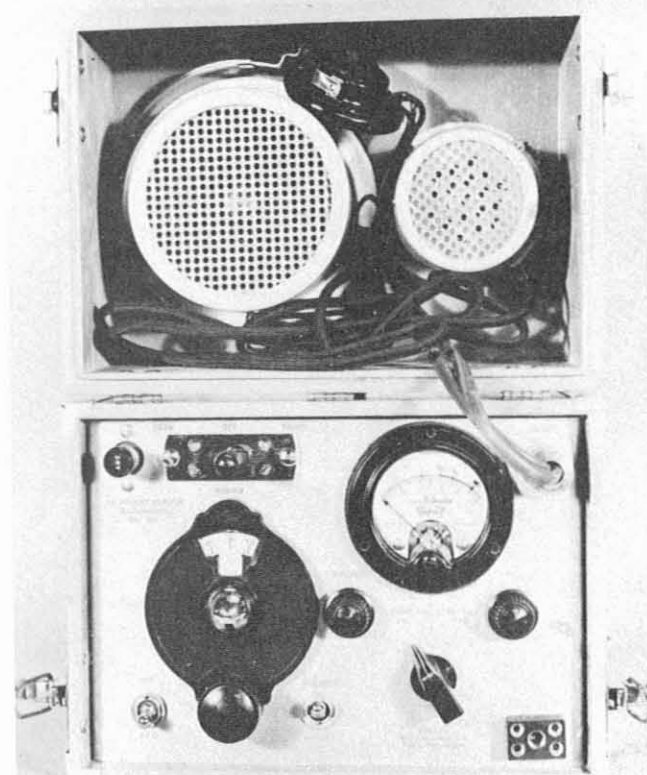
*Comments	For use on Forest Service patrol boats in Region 10 only No schematic diagram available
-----------	---



Type B2

(Forest Service photos, History Section)

Type SPF radio installed in carrying box; speaker, mike, and headset in hinged section on top.



Forest Service SPF radio, Model AA (Serial No. 310), front panel

**Type SPF\*** 'Semiportable Fone'

Designed by: W. S. Claypool and Laboratory staff, 1935-36

Number produced: 1200

Price: \$140

Models: A, AA, AB (or BA), AD, AE, AF

Frequency: 3MHz

Transmitter: 2 1/4 watts, voice-c.w., AM, xtal

Receiver: Superheterodyne, simplex

Power: Dry batteries

Antenna: Half-wave---off-center or end-fed

Weight: 21# w/lt. wt. battery, 60# w/Kitbox

Dimensions: 6 1/2 x 9 x 14 1/2"

Principal use: Fire crews and emergency lookouts

\*Comments: PF modified with super-heterodyne receiver

Model A Serial Numbers 1-264

Model AA Serial Numbers 265-480

Model AB Serial Numbers 481-743

Model AD Serial Numbers 744-903

Model AE Serial Numbers 904-966

Model AF Serial Numbers 967-1200

A number of additional SPF sets were produced by industry for the military during World War II (see text)

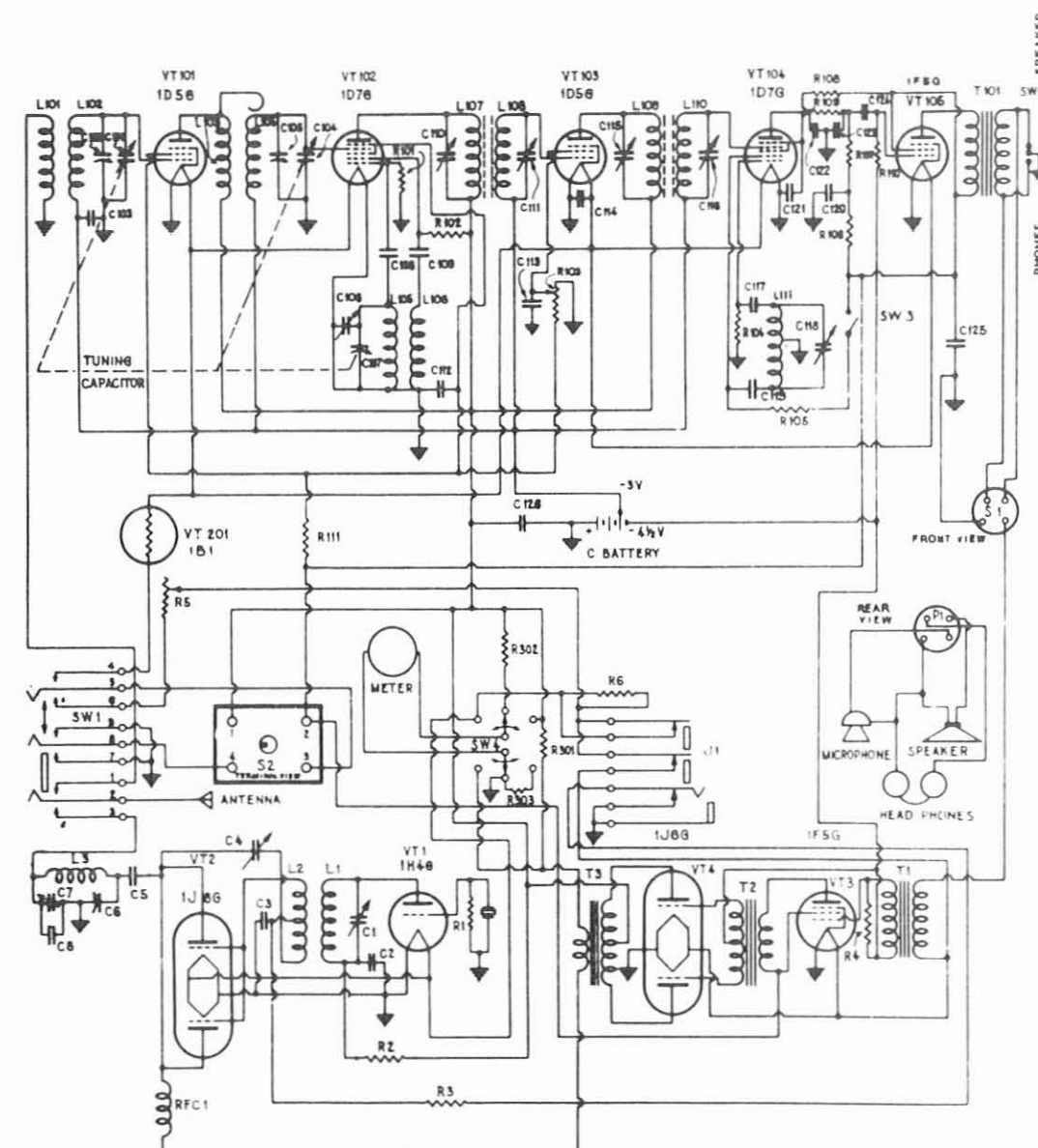
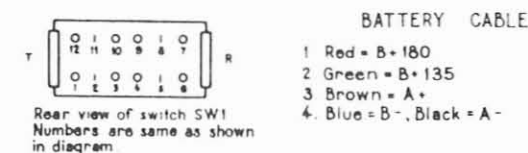


FIG. 2.62

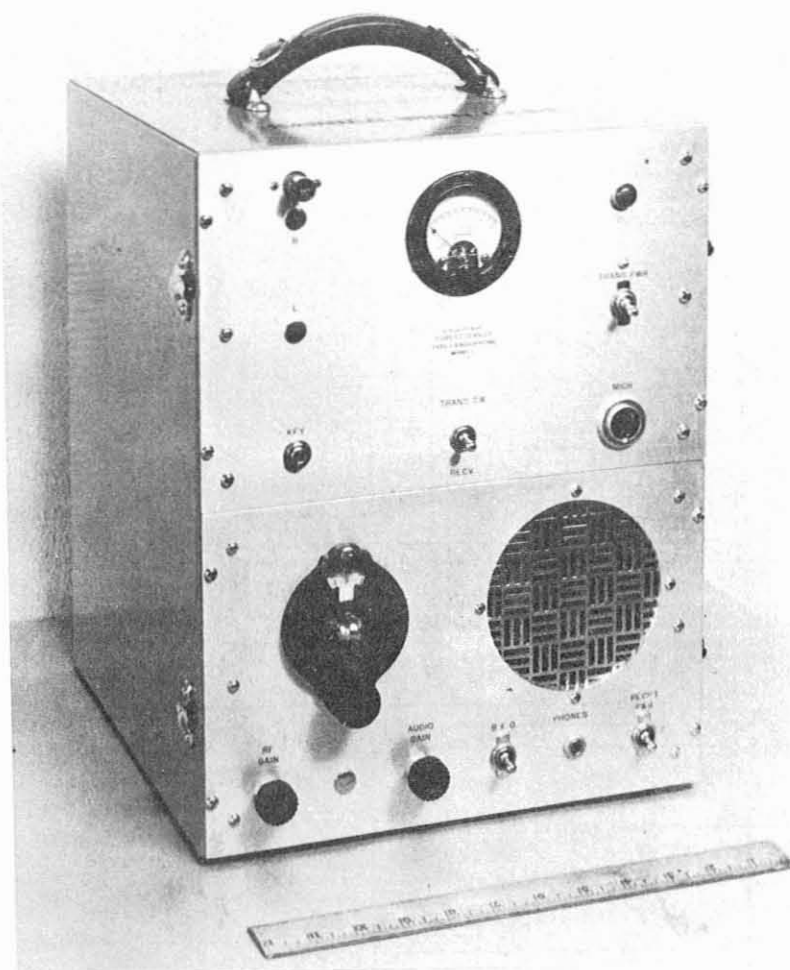


Schematic Diagram, Type SPF-Model AA

U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
TYPE SPF RADIOPHONE  
MODEL AA

DESIGNED & CDR BY L. J. C. APPROVED BY L. J. C. DATE JULY 2, 1947





(Forest Service photo, History Section)

### Type I\*

'Intermediate power'

Designed by:  
Number produced:  
Prince:  
Models:  
Frequency:  
Transmitter:  
Receiver:  
Power:  
Antenna:  
Weight:  
Dimensions:

Radio Laboratory staff, 1937  
52  
\$280  
A, B, C (Belleville), D  
3 MHz, two channel  
9 1/2 watts, voice-c.w., AM, xtal  
Superheterodyne, simplex w/standby  
6-volt storage battery  
Half wave, fed off center  
66# w/accessories, including batteries  
17 1/2 x 19 1/4 x 12 1/4"

Principal use:

Fire camps and temporary bases

\*Comments

Intermediate in power between SPF and M sets

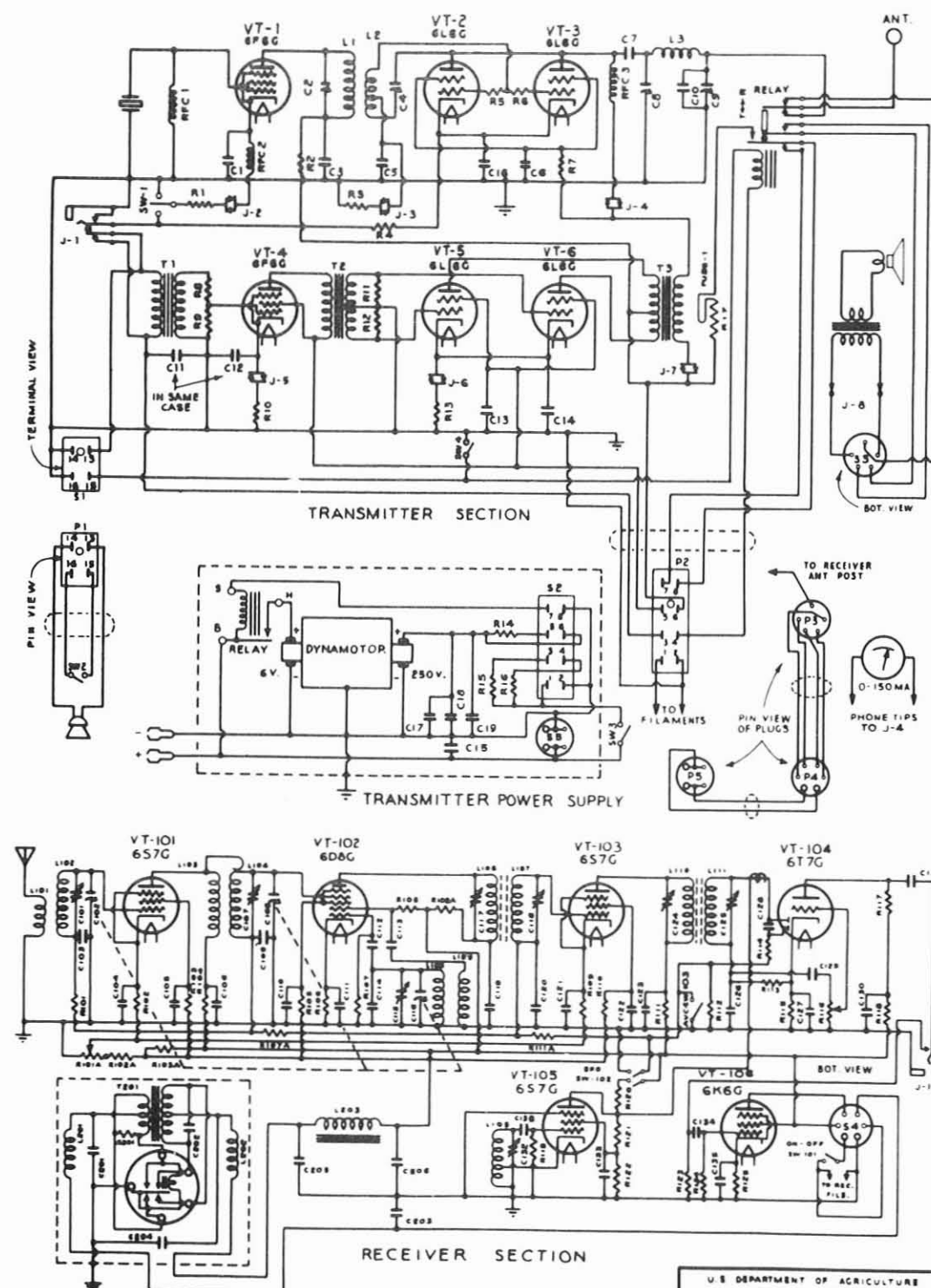
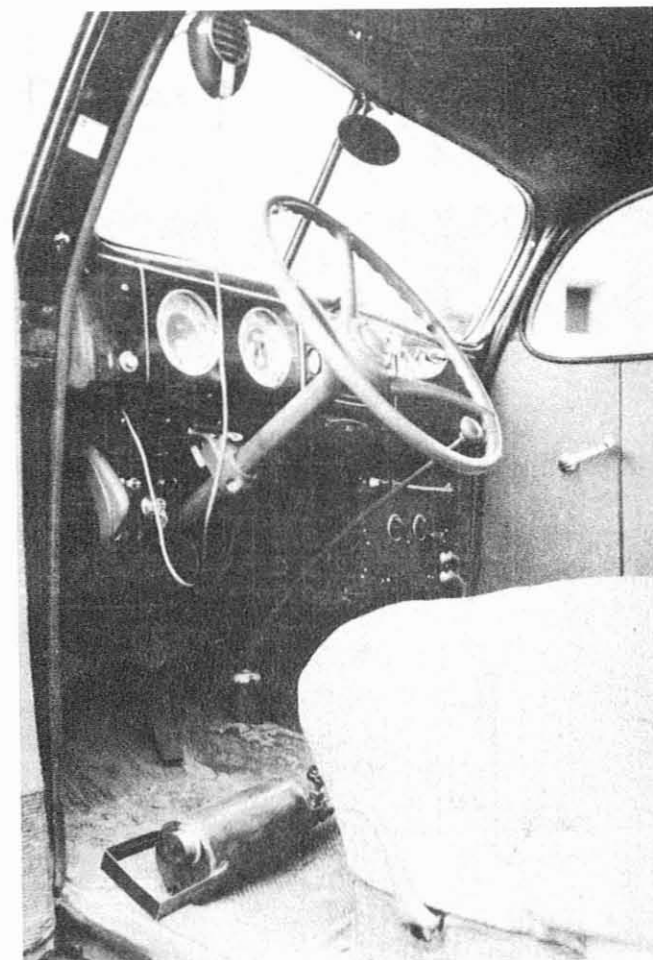
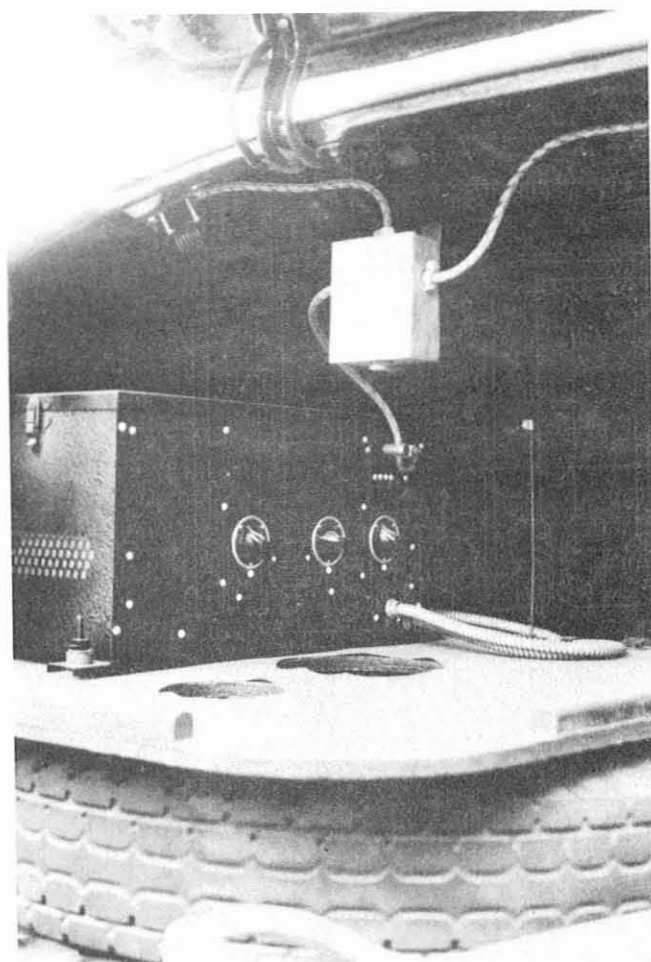


FIG. 2.62

Schematic Diagram, Type I-Model A

U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
**TYPE I RADIOPHONE**  
MODEL A  
DRAWN BY P.W.S. APPROVED BY DATE - MARCH 25, 1938



(Forest Service photos, History Section)

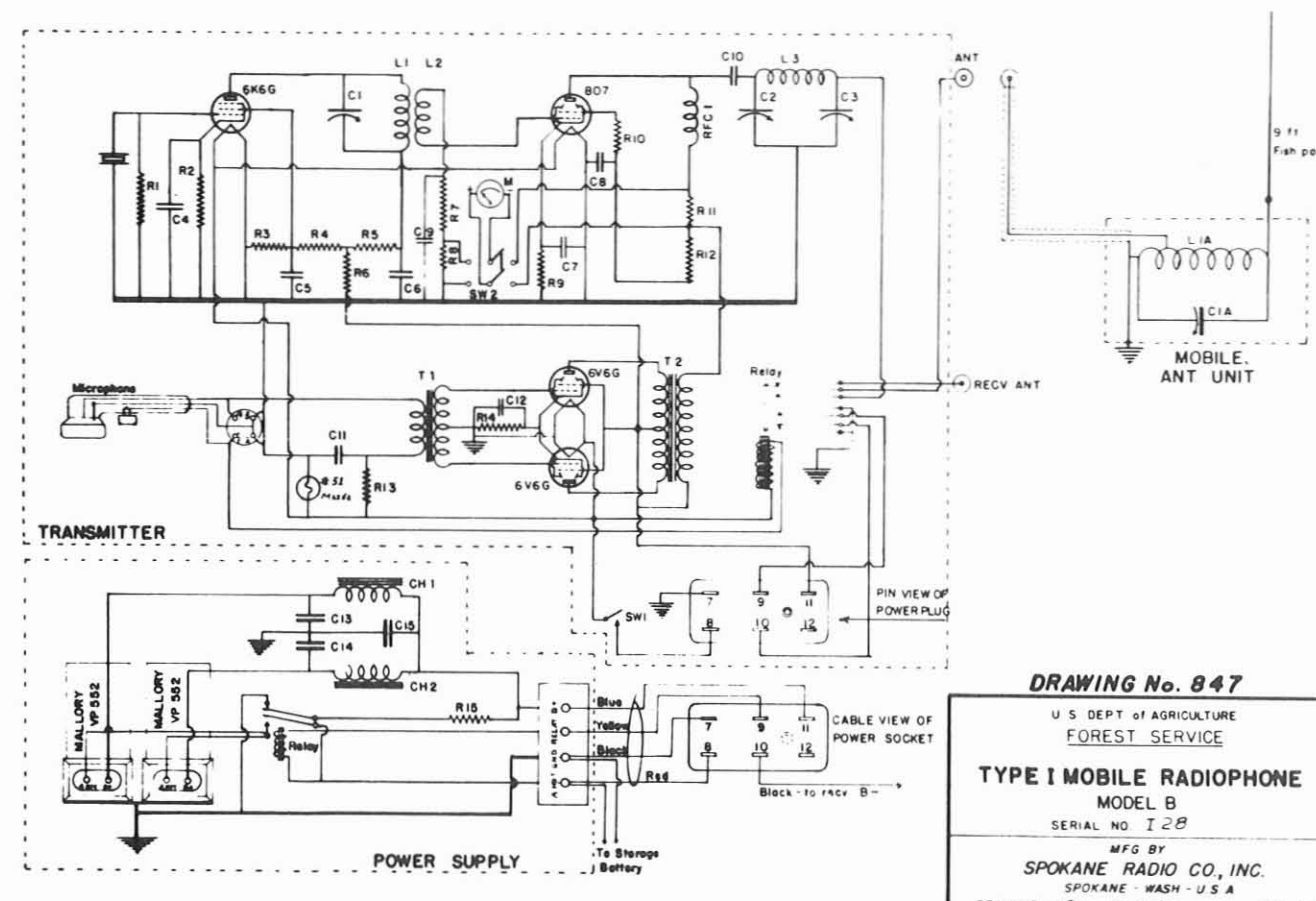
# Type K\*

'Kar'

Designed by:	Radio Laboratory staff, 1937
Number produced:	63
Price:	\$270
Models:	A, B, AA, AB*
Frequency:	3 MHz
Transmitter:	9 1/2 watts, voice, AM, xtal
Receiver:	Motorola Police Cruiser (AA-AB), pushbutton
Power:	6-volt car battery
Antenna:	Rod type on tuning box
Dimensions:	Four packages

Principal use: Mobile

\*Comments: Originally designated Type I-mobile (A and B)  
Type KA ('Kar-Airplane') was for airplane use



Schematic Diagram, Type K (Type I-Mobile)

## DRAWING No. 847

U. S. DEPT. OF AGRICULTURE  
FOREST SERVICE

## TYPE I MOBILE RADIOPHONE

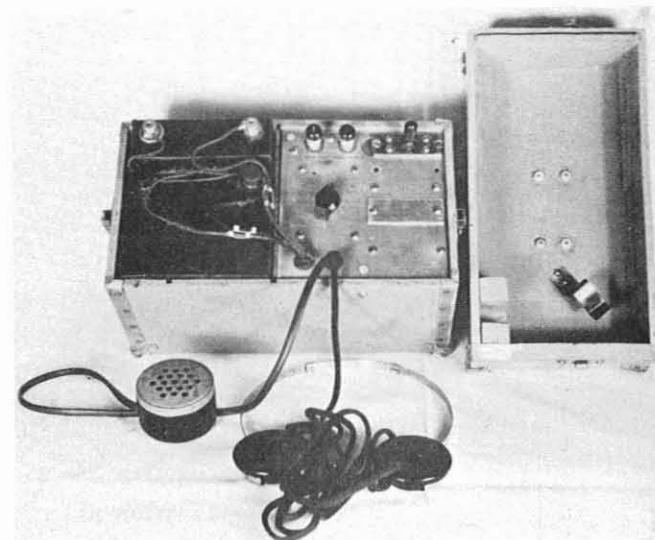
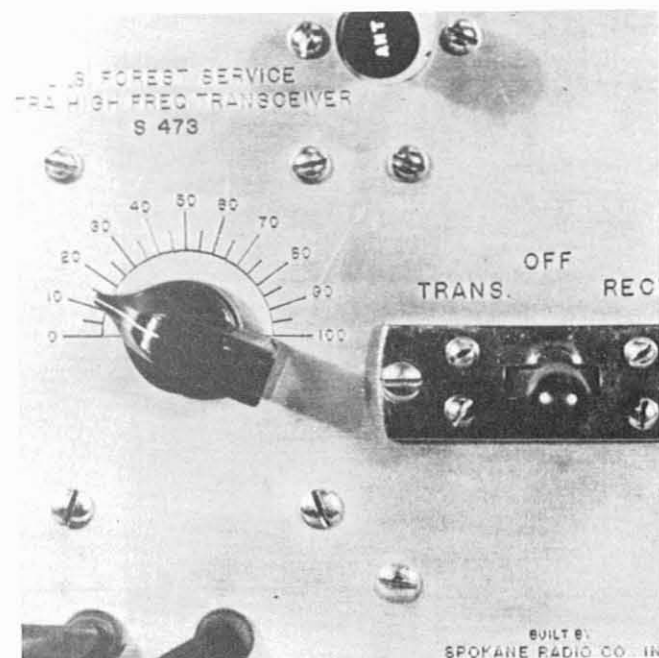
MODEL B

SERIAL NO. 128

MFG BY  
SPOKANE RADIO CO., INC.  
SPOKANE, WASH. - U. S. A.



Vhf Types  
10 Meters (30-40 MHz)



(Forest Service photos, History Section)

#### Type S\*

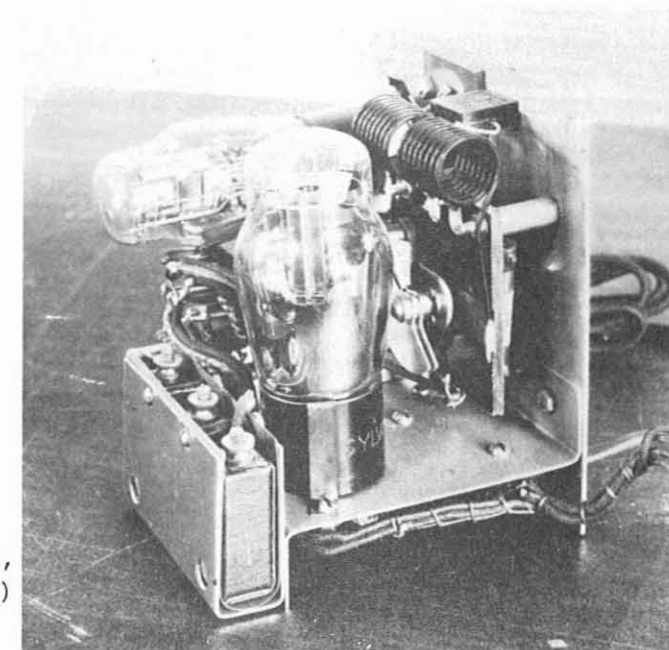
'Superregenerative'

Designed by:	Harold K. Lawson, 1935
Number produced:	781
Price:	\$47
Models:	A, B*
Frequency:	30-40 MHz
Transmitter:	1/10 watt, voice, AM self-excited oscillator, simplex, transceiver
Receiver:	Superregenerative, tunable
Power:	Dry batteries
Antenna:	14' 7" half wave wire or rod type
Dimensions:	7 x 6 x 11"
Weight:	9# w/batteries

Principal use: Smokechasers, scouts and fire chiefs; occasionally with moving vehicles

\*Comments: Offset transmitter-receiver frequencies  
Model B added separate transmitter tuning control and slightly more power  
Often criticized for spurious signals

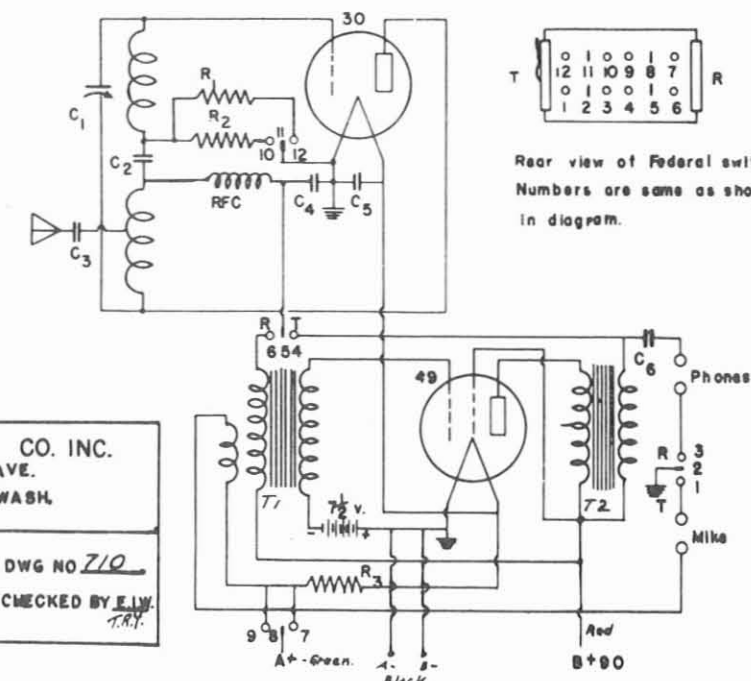
Interior view,  
Type S



(Forest Service photo, History Section)

#### U.S. FOREST SERVICE TYPE S ULTRA HIGH FREQUENCY TRANSCEIVER

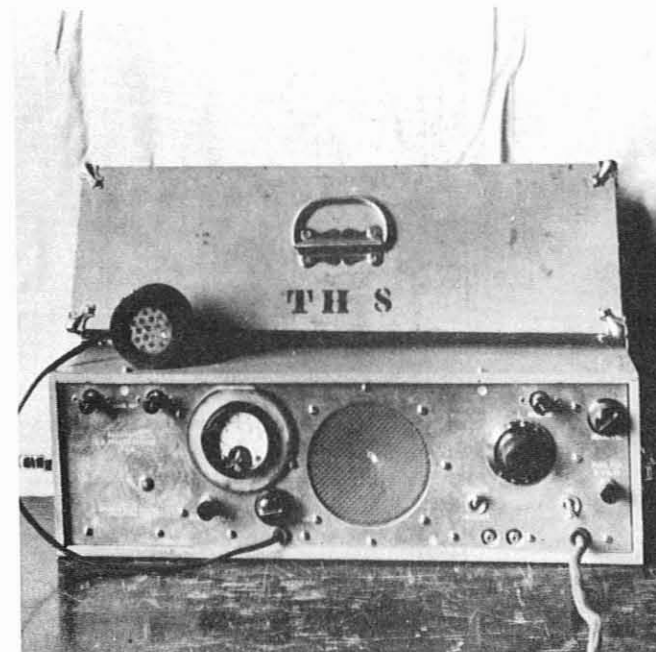
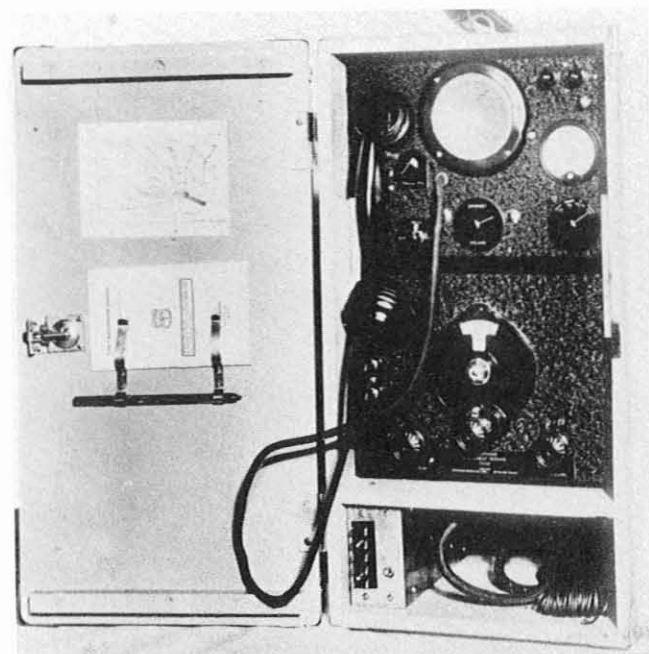
R<sub>1</sub> 10,000 - ohm  
R<sub>2</sub> 100,000 - ohm  
R<sub>3</sub> 4 - ohm  
C<sub>1</sub> 15 - mmfd.  
C<sub>2</sub> 250 - mmfd.  
C<sub>3</sub> .00175 - mfd.  
C<sub>4</sub> .004 - mfd.  
C<sub>5</sub> .00175 - mfd.  
C<sub>6</sub> .05 400 volt  
T<sub>1</sub> - 02426  
T<sub>2</sub> - 02428



SPOKANE RADIO CO. INC.  
611 FIRST AVE.  
SPOKANE WASH.

DATE 3-9-37 DWG NO Z10  
DRAWN BY G.E.T. CHECKED BY E.J.W.  
T.H.T.

Schematic Diagram, Type S

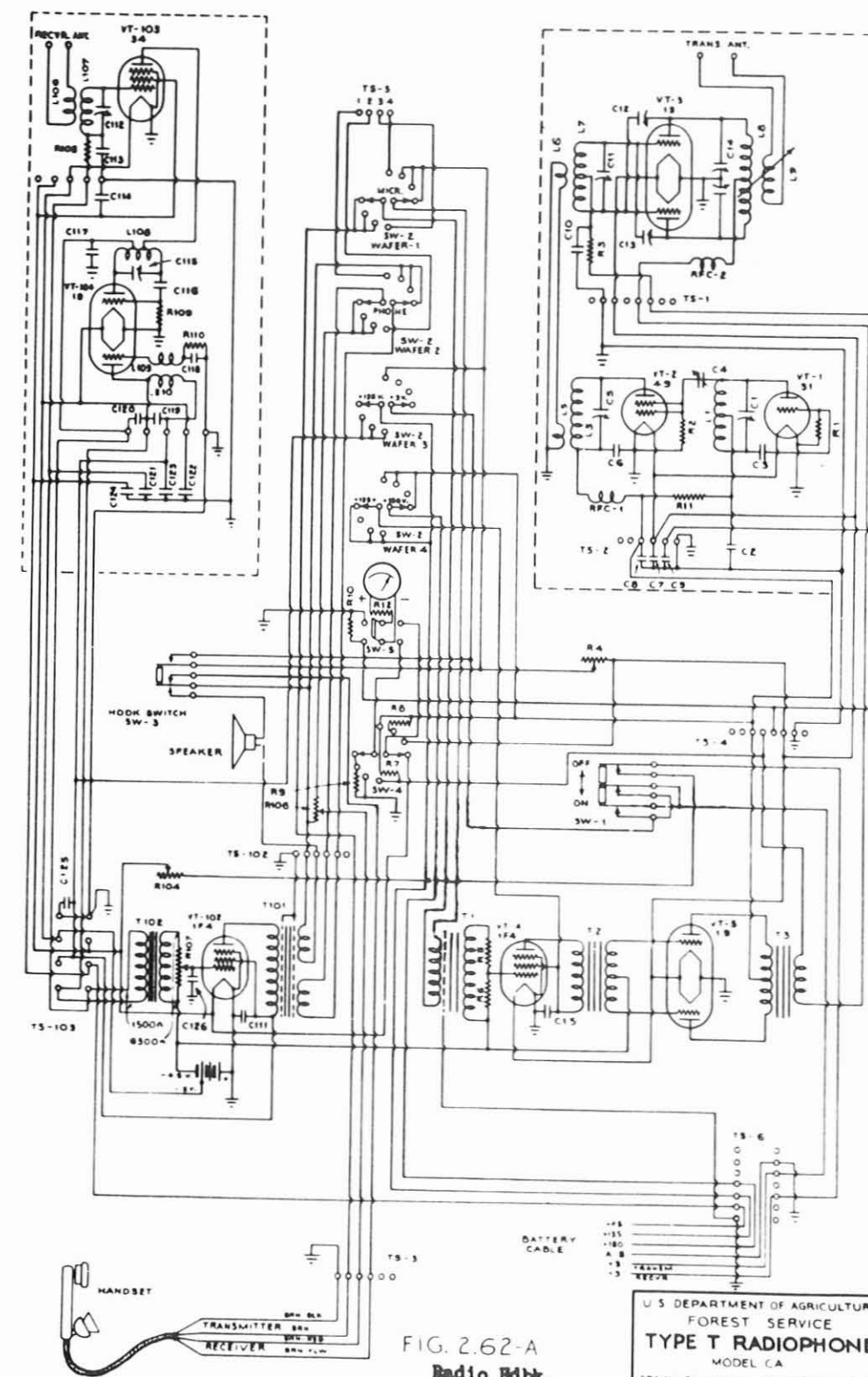


(Forest Service photos, History Section)

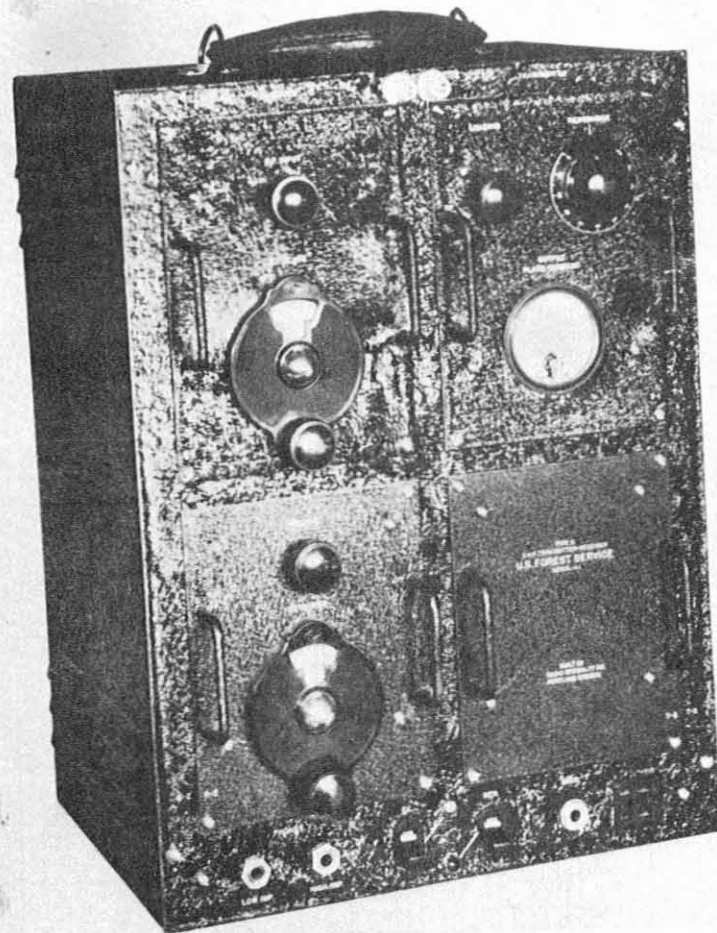
# Type T\*

'Ten meters'

Designed by:	W. Foy Squibb, 1935
Number produced:	Numbers included with T-D
Price:	\$130
Models:	TH-TL; CA, CB, CC
Frequency:	30-40 MHz
Transmitter:	2 1/4 watts, voice, AM, standby, master oscillator
Receiver:	National SW-3; superregenerative
Power:	Dry batteries
Antenna:	Half wave doublet
Dimensions:	22 x 15 x 19"
Weight:	29# including batteries and antenna
Principal use:	Lookouts and semi-permanent locations
*Comments:	Spurious signals in receiver led to TH-TL for the separation of transmitter-receiver channels, thus H is High and L is Low frequency Model CC operated simplex; CA and CB duplex Provisions to connect to telephone line Required 2 frequency assignments for each National Forest No relationship to Type T-Model D



Schematic Diagram, Type T



(Forest Service photo, History Section)

Type A\*  
'Airplane'

Designed by:	Radio Laboratory staff, 1936
Number produced:	50
Price:	\$260
Frequency:	30-40 MHz, w/second channel 160-425 kHz
Transmitter:	3 1/2 watts, voice, AM, xtal push-to-talk
Receiver:	Regenerative, w/tuning
Power:	6-volt battery
Antenna:	13' half wave doublet
Weight:	25#, or 40# w/dynamotor
Dimensions:	18 x 13 x 10 1/2"
Principal use:	Air to ground
*Comments	Advertised 5-mile range in unshielded airplane Could be used with moving vehicles

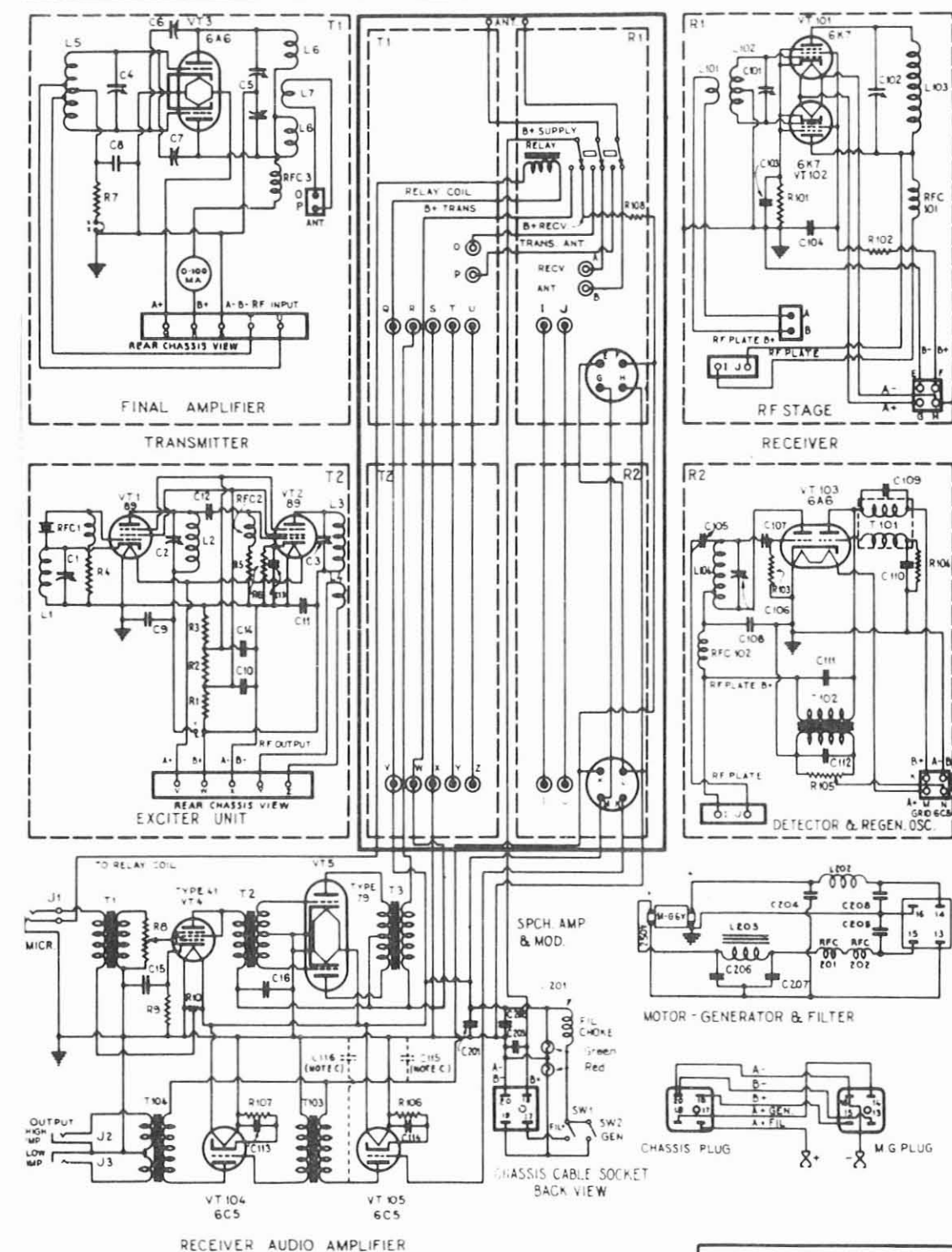
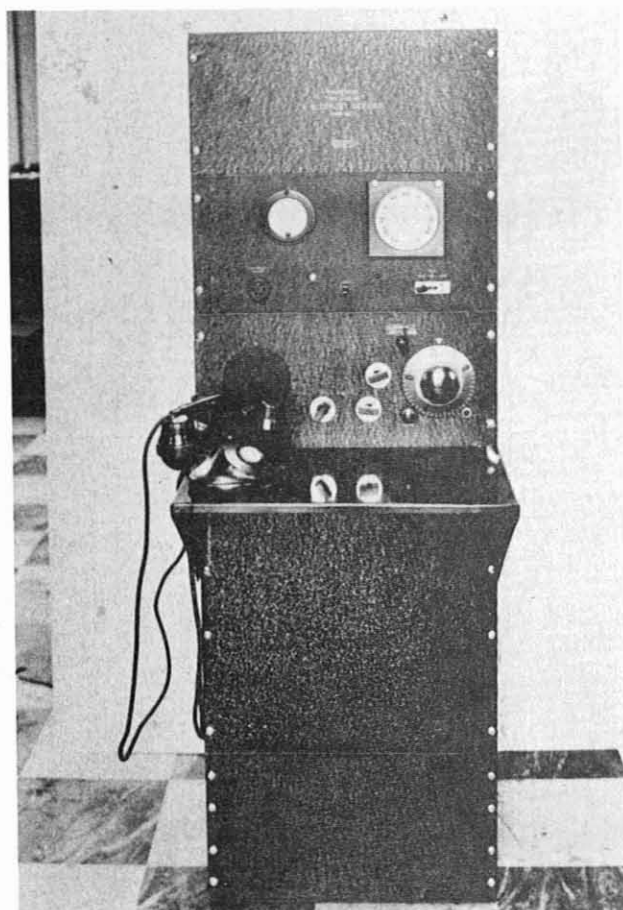


FIG. 2 62  
SCHEMATIC DIAGRAM

U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
TYPE A RADIOPHONE  
MODEL A  
DRAWN BY D.L.S. APPROVED DATE AUG 4, 1937





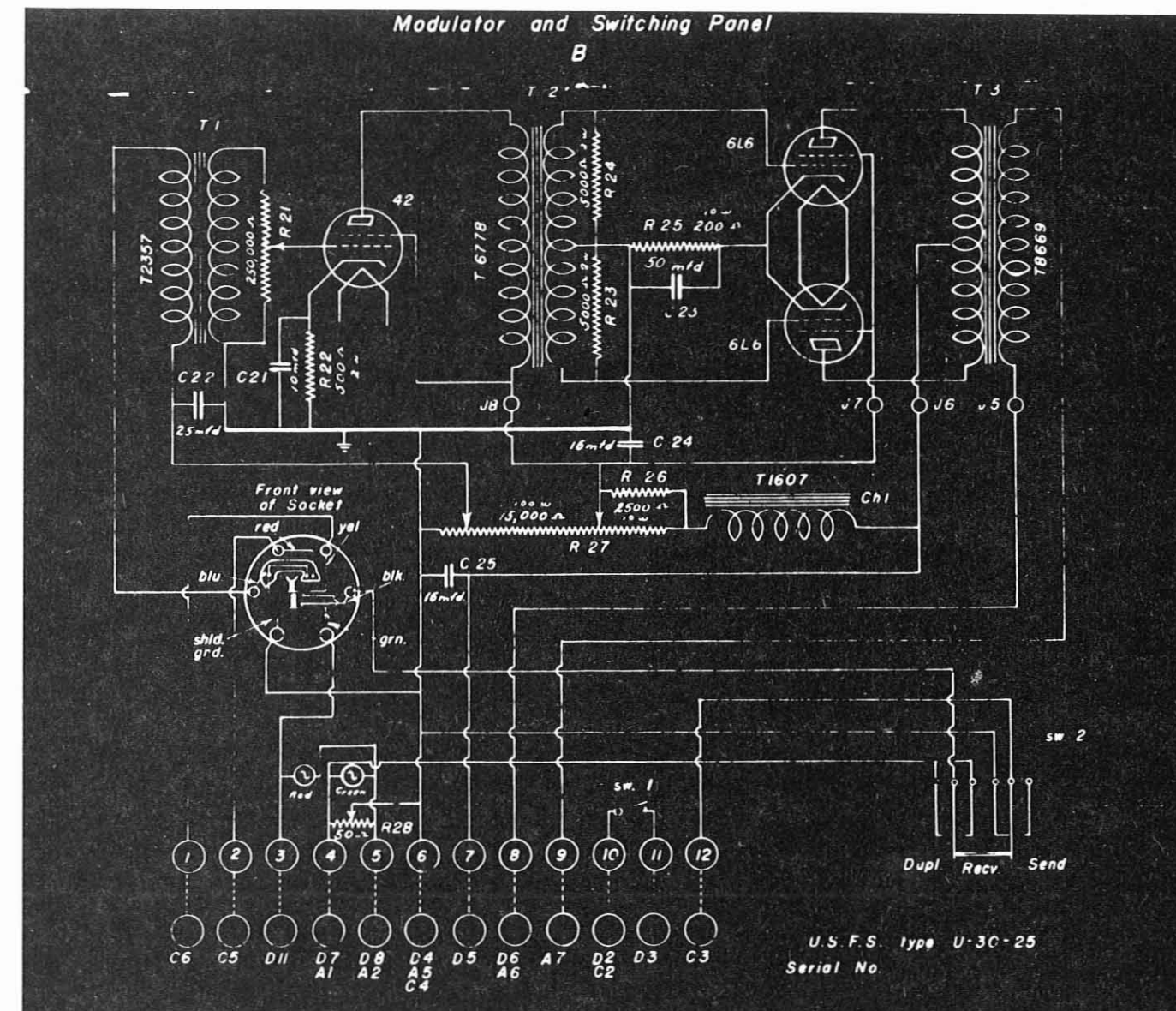
(Forest Service photo, History Section)

Type U\*  
'UHF'

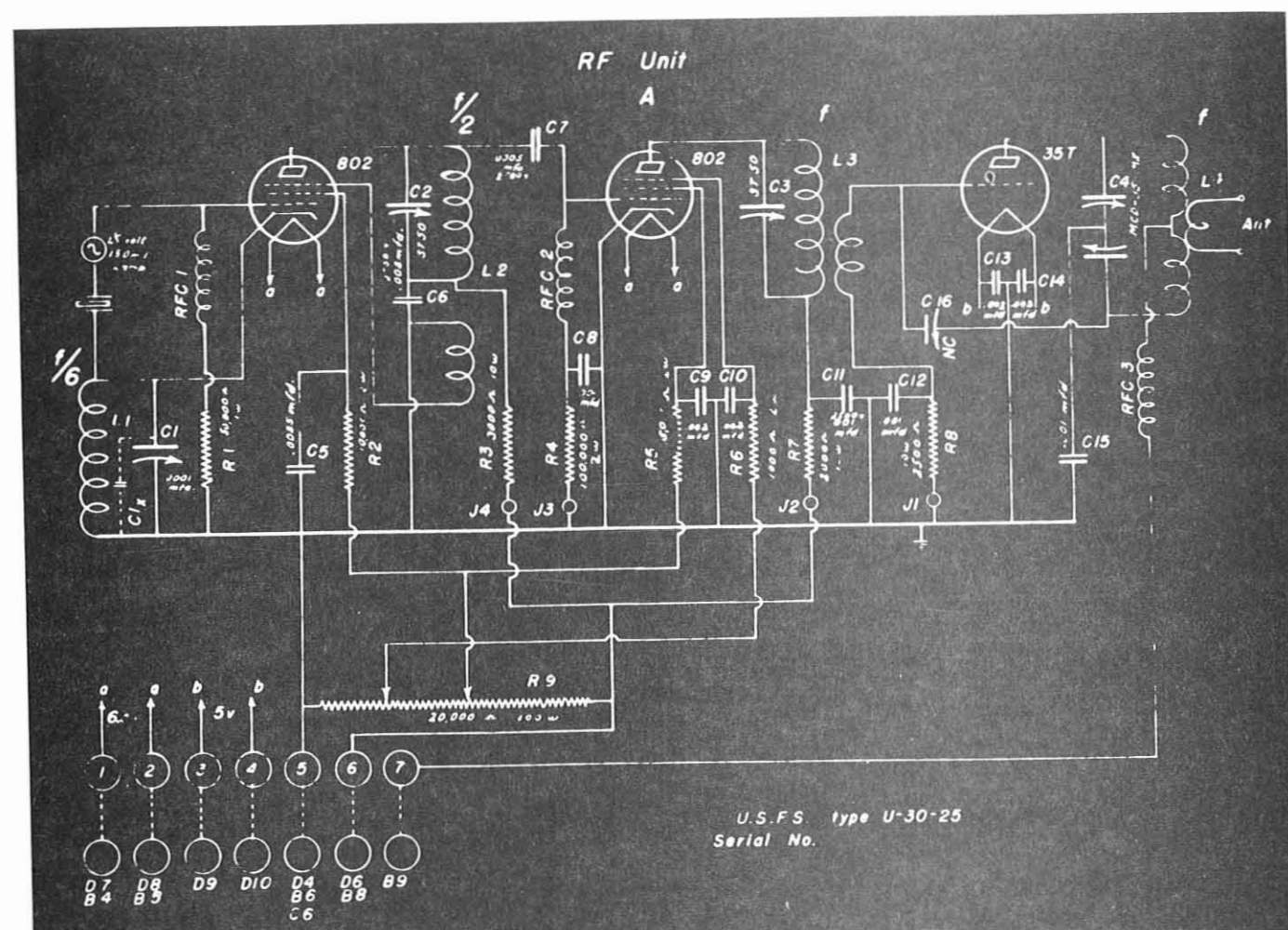
Designed by: Logan Belleville, 1936  
 Number designed: 200  
 Price: \$400  
 Models: A  
 Frequency: 30-40 MHz  
 Transmitter: 20 watts, voice, AM, simplex  
 Receiver: National superregenerative  
 Power: 110 volts (a.c.)  
 Antenna: Constructed at locations  
 Dimensions: 4'9" x 19" x 12"  
 Weight: 300# (shipping weight)

Principal use: Central station, fixed base

\*Comments: Speaker on standby, transmitter turned on by lifting handset from cradle  
 No relationship to U-R/U-T series



Schematic Diagram, Modulator and Switching Panel, Type U



Schematic Diagram, RF Unit, Type U

# Type SV\*

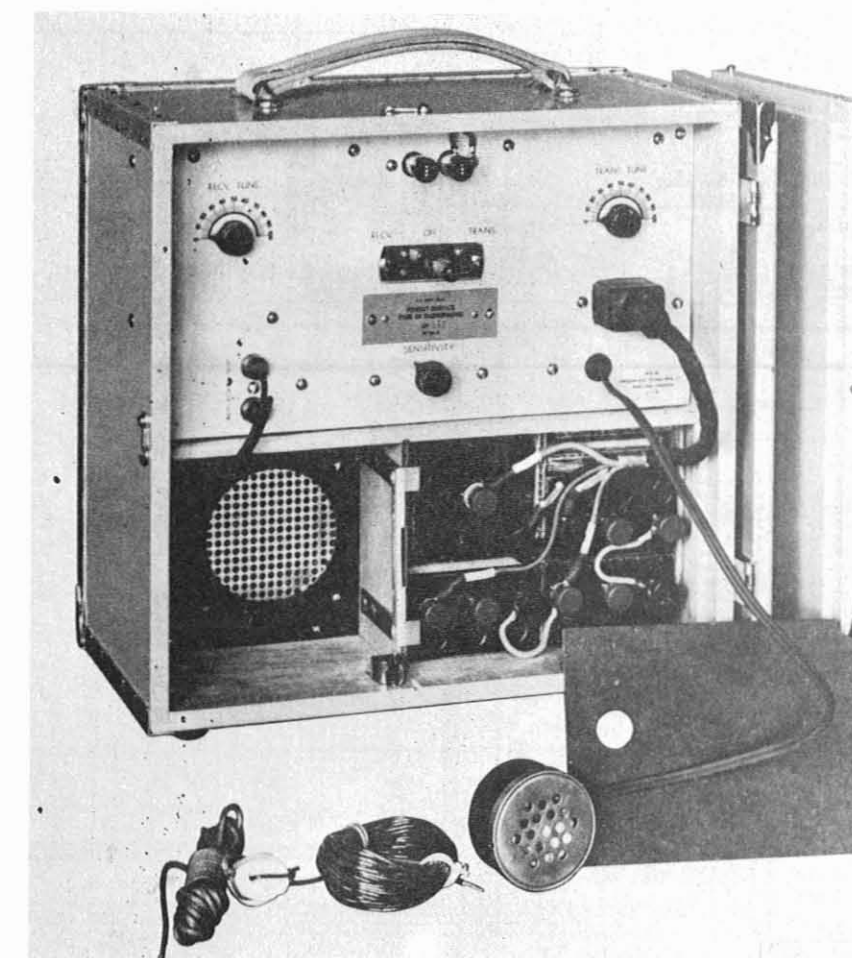
## 'Superregenerative Variable' Frequency

Designed by:	Radio Laboratory staff, 1937-38
Number produced:	330
Price:	\$61
Frequency:	30-40 MHz
Transmitter	1 watt, voice, AM, simplex, self-oscillating
Receiver:	Superregenerative
Power:	Dry batteries
Antenna:	Three-quarter wave, single wire
Dimensions:	6 x 10 x 5" or 12 x 12 x 7" overall
Weight:	18#

Principal use: Where extreme portability was not essential

\*Comments: Independent transmitter/receiver sections

(Forest Service photo, History Section, 15472)





U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE TYPE SV RADIOPHONE

MODEL A

SERIAL Nos SV 1 to SV 30

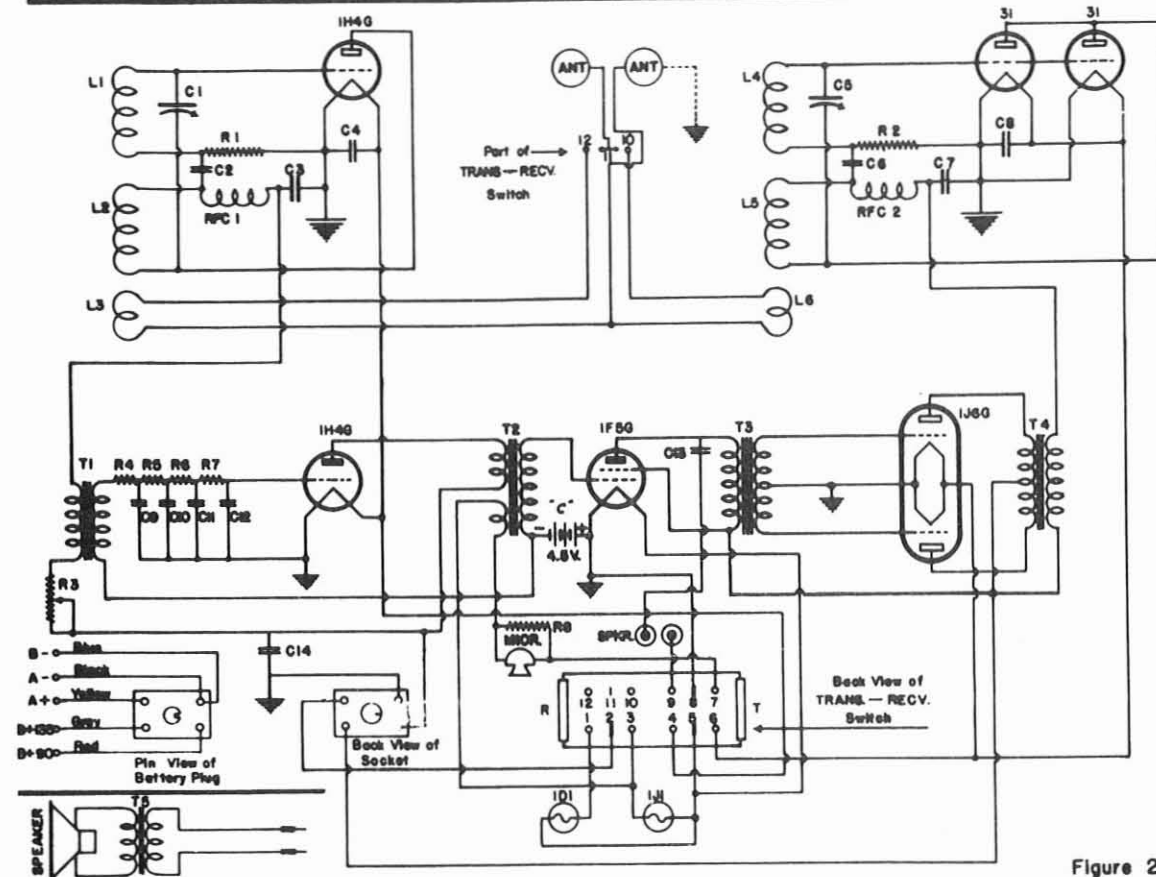


Figure 2

TYPE SV PARTS LIST

NOTE: ORDERING REPLACEMENT PARTS, ALWAYS GIVE MODEL AND SERIAL NUMBER

C 1 - 16 mfd. Special Hammarlund	R 5 - 100000 ohms 1/2 W. INC PT-1
C 2 - .001 mfd. mica C-D 1B-S21	R 6 - 100000 ohms 1/2 W. INC PT-1
C 3 - .001 mfd. mica C-D 1B-S21	R 7 - 100000 ohms 1/2 W. INC PT-1
C 4 - .0015 mfd. mica C-D 1B-S21	R 8 - 100 ohms 1/2 W. INC PT-1
C 5 - 22 mfd. Special Hammarlund	T 1 - Inca 02425
C 6 - .00025 mfd. mica C-D 5B-S21	T 2 - Inca 02425
C 7 - .002 mfd. mica C-D 1B-S21	T 3 - Inca 04792
C 8 - .002 mfd. mica C-D 1B-S21	T 4 - Inca 06056
C 9 - .0001 mfd. mica C-D 5B-S21	T 5 - Oxford #21A162
C 10 - .0001 mfd. mica C-D 5B-S21	Speaker - Oxford # 3-AMP
C 11 - .0001 mfd. mica C-D 5B-S21	RFC-1 5 meter choke - 0070 CI-13
C 12 - .0001 mfd. mica C-D 5B-S21	RFC-2 5 meter choke - 0070 CI-13
C 13 - .25 mfd. 400 V. Mallory TP430	Battery Plug - Jones PMS, plug only
C 14 - .25 mfd. 200 V. Mallory TP440	Battery Socket - Jones PMS socket
R 1 - 75000 ohms 1/2 W. INC PT-1	Speaker Jack - Tanyak 432
R 2 - 10000 ohms 1/2 W. INC PT-1	TRANS-RECV. Switch - Federal 142R
R 3 - 100000 ohms, Var. INC 11-128	*C* Battery - General H-3-AF
R 4 - 100000 ohms 1/2 W. INC PT-1	

A complete stock of parts and accessories is maintained in Spokane, Washington by the Spokane Radio Co., Inc., manufacturer of this set.

SPOKANE RADIO CO., INC.

MFG. DEPT.

SPOKANE, WASH. U. S. A.

Drawing by J.R.K. Date 5/7/38

Checked by R.D.C.

DRAWING NO. 861

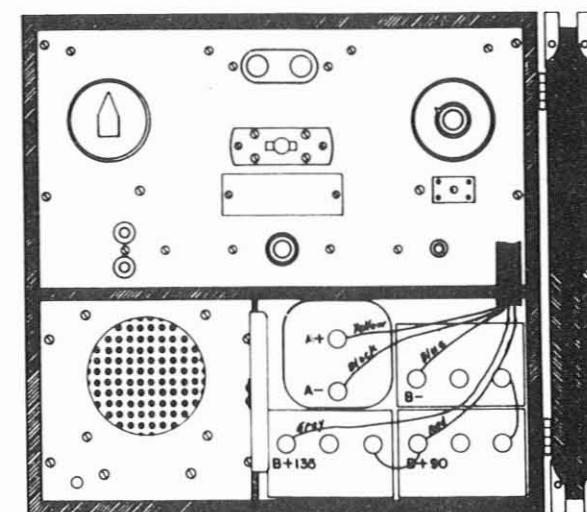
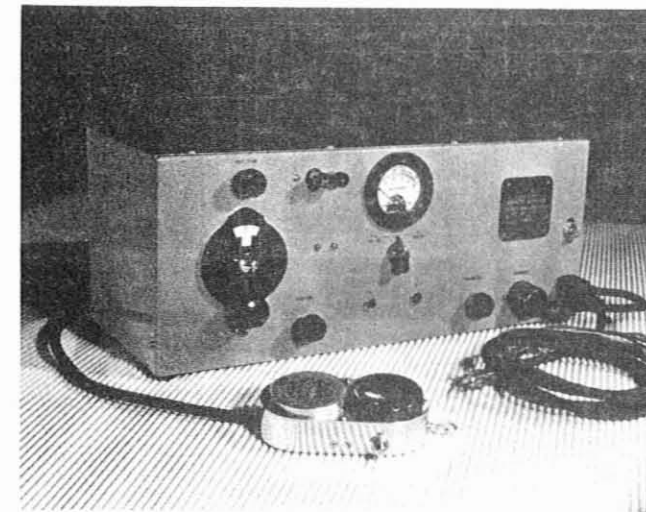


Figure 1

Schematic Diagram, Type SV-Model A



(Forest Service photo, History Section)

Type T-Model D\*

'Ten meter'

Designed by: Logan M. Belleville, 1938  
Number

produced: 630

Price: \$250

Models: D, DA, DB, DE, DF

Frequency: 30-40 MHz

Transmitter: 2 watts, voice, AM, push-to-talk, simplex, xtal osc.  
Receiver: Superheterodyne, silent standby

Power: Dry batteries

Antenna: USFS Type J or RSMC coaxial skirt dipole

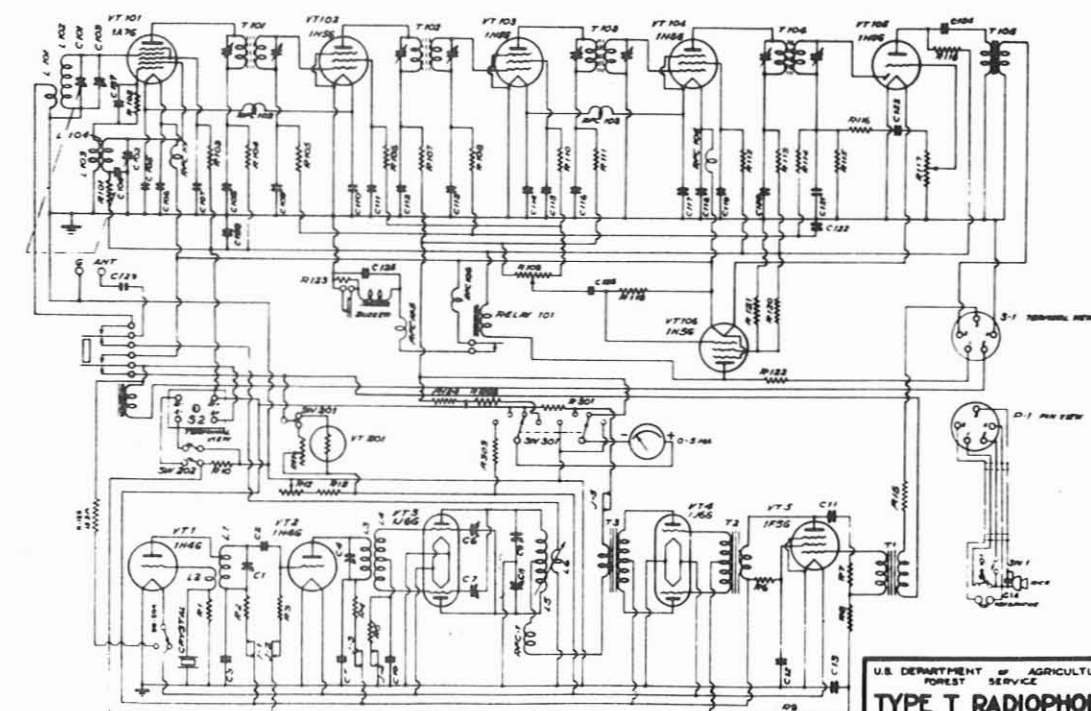
Dimensions: 7 x 17 x 7"

Weight: 30# in shipping case, including batteries

Principal use: Lookouts

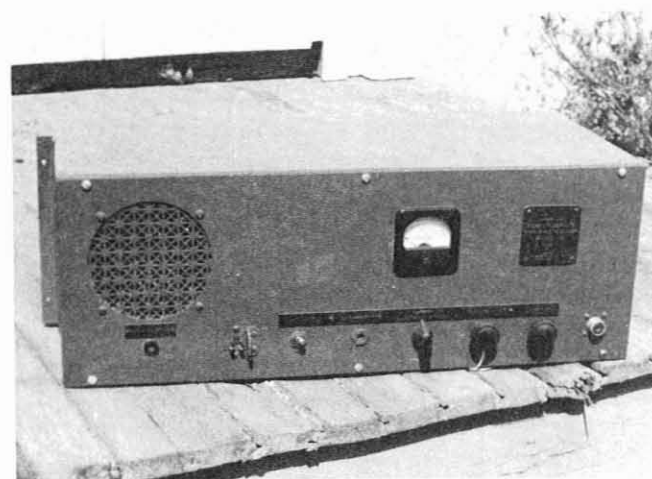
\*Comments: No relationship to earlier type T  
Incorporated a calling bell

Schematic Diagram, Type T-Model DB



U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
TYPE T RADIOPHONE  
MODEL DB  
DRAWN BY: R.O.V. CHECKED BY: E.H.S.  
DEC. 27, 1938





(Forest Service photo, History Section)

# Type RRS\*

## 'Relay Repeater Station'

Designed by: Radio Laboratory staff,  
1939-40

Number  
produced: 470

Models: RA, RB, RD, RF, RG, R-DR,  
R-D6T, R-D2T, TRT-F7,  
R-RS-16

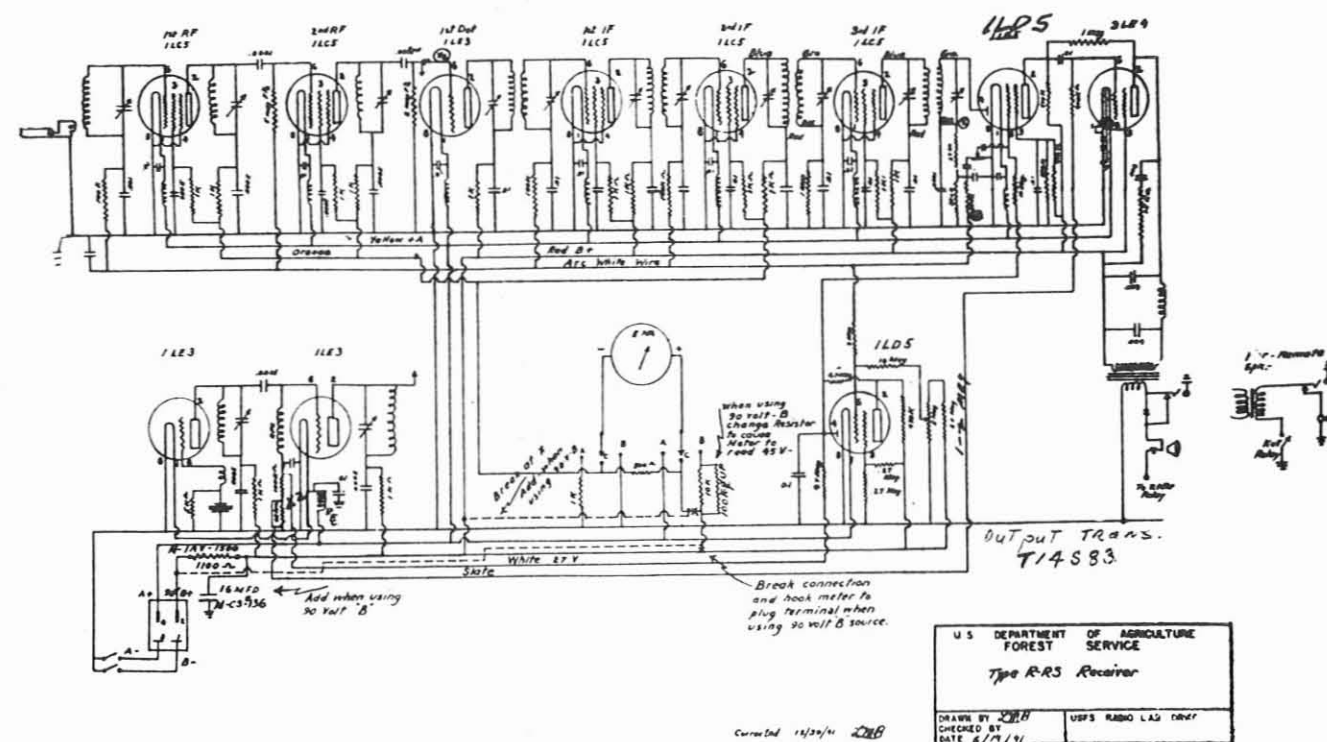
Frequency: 30-40MHz

Principal  
use: Relay repeater stations  
Used extensively in AWS  
program  
Some use in lookout towers  
as a receiver

\*Comments: Specifications varied by  
model

## Schematic Diagram, Type RRS Receiver

- ① • Scope-vert plate connection through 250000 ohm .5 watt filter
- X1 • Disconnect-plate backing voltage between bus and ground
- ② • Mod OSC output (set to 1 F freq) OSC output runs through Dummy Ant



# Type KU\*

## 'Kar UHF'

Designed by: Logan M. Belleville, 1940

Number produced: 575

Price: \$270

Models: R-A; T-A, T-AA, T2; A, B in Type U

Frequency: 30-40 MHz

Transmitter: 9 watts, voice, AM, simplex, xtal controlled

Receiver: Tunable w/single xtal standby

Power: 6-volt vehicle battery

Antenna: Quarter-wave whip

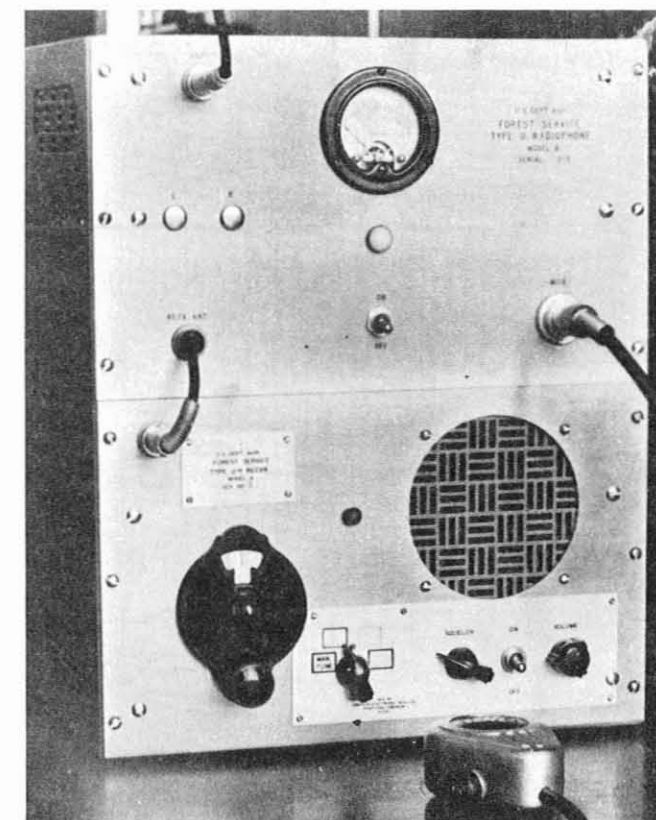
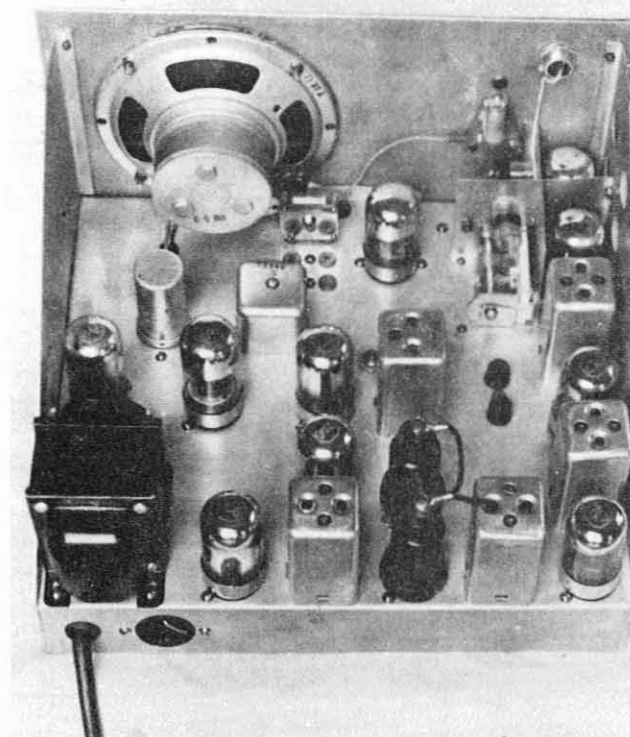
Dimensions: Housed in several units (see figure 74 and text)

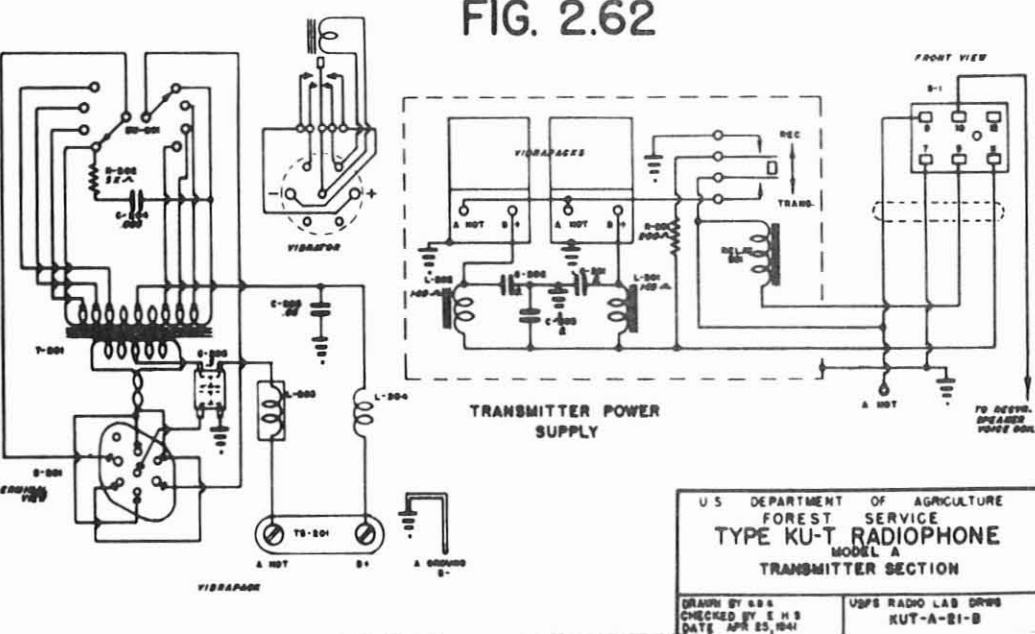
Principal use: Mobile

\*Comments: Converted to semiportable for lookout use and designated  
U-R/U-T  
Effective squelch and essentially free of ignition  
interference  
No relationship to earlier type U

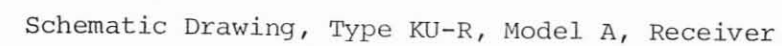
## Type U-R/U-T\*

(Forest Service photos, History Section)





284



Schematic Drawing, Type KU-R, Model A, Receiver

# Type SX\*/SJ\*

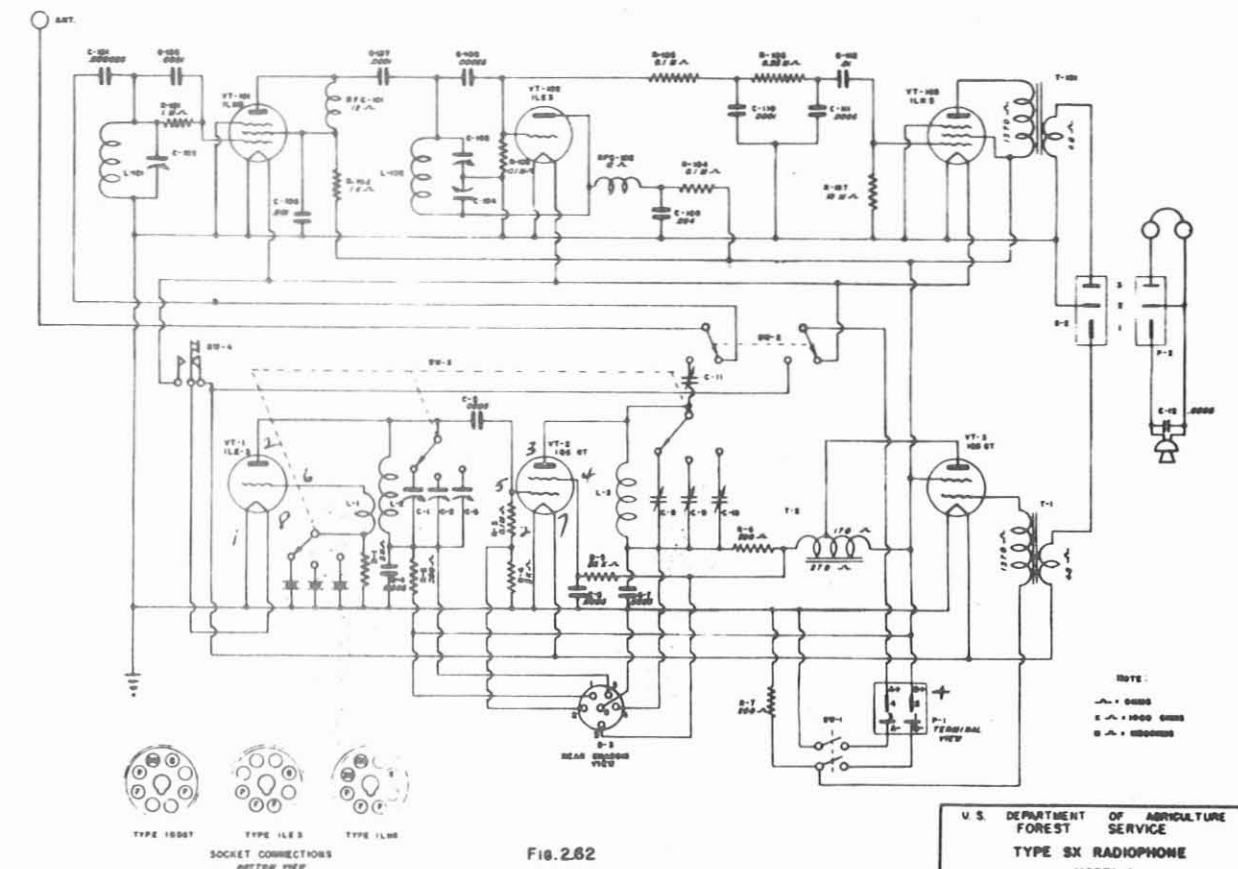
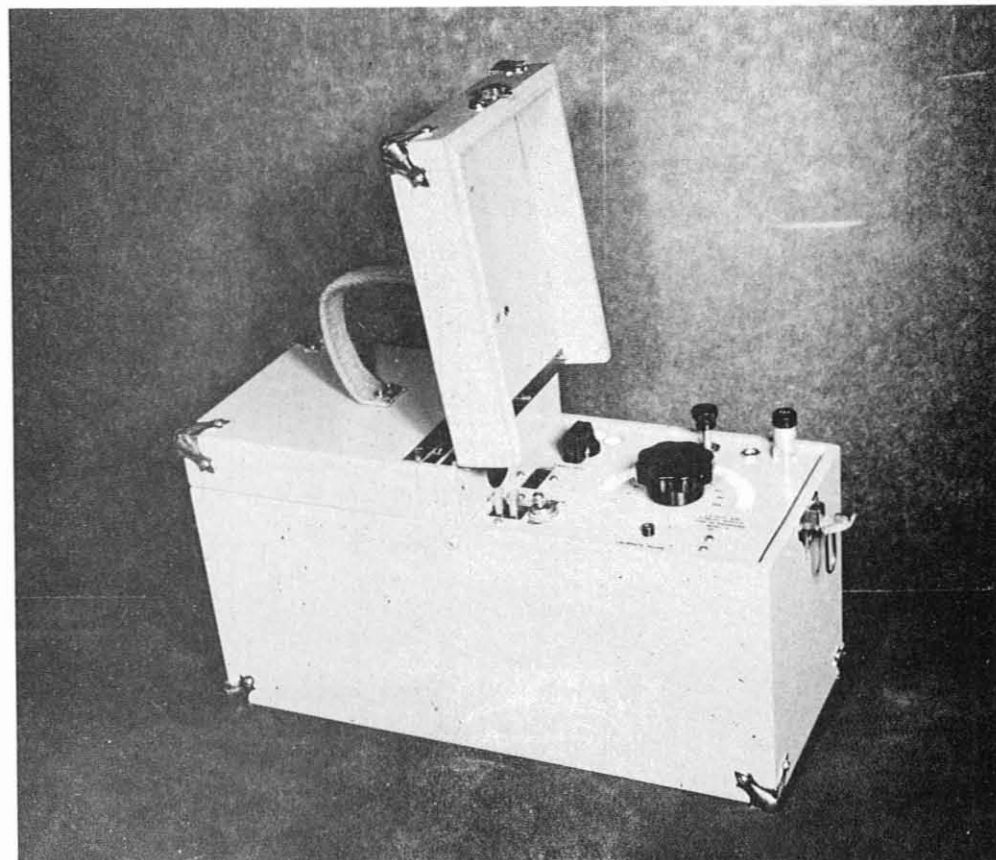
'Superregenerative Xtals/Smoke Jumper'

Designed by: Radio Laboratory staff, 1940-41 (SX/SJ)  
 Number produced: 800/22  
 Price: \$70/not available  
 Frequency: 30-40 MHz/34.22 MHz only  
 Transmitter: 1/4 watt, voice, AM, 3 xtals/1 xtal  
 Receiver: Superregenerative  
 Power: Dry batteries/6-10 hrs. intermittant operation  
 Antenna: Type J/rod type  
 Weight: 6# 14 oz. net/n.a.  
 Dimensions: 13 1/2 x 5 1/2 x 7"/n.a.

Principal use: Portable/smokejumpers

Comments: SJ was a condensed version of the SX (see figures 75, 76)  
 SXA ("A" for attachment) was an audio amplifier accessory  
 for semiportable use and added \$45 to the price of the SX  
 SX replaced type S; SXA replaced type SV

(NA:95G-406995)



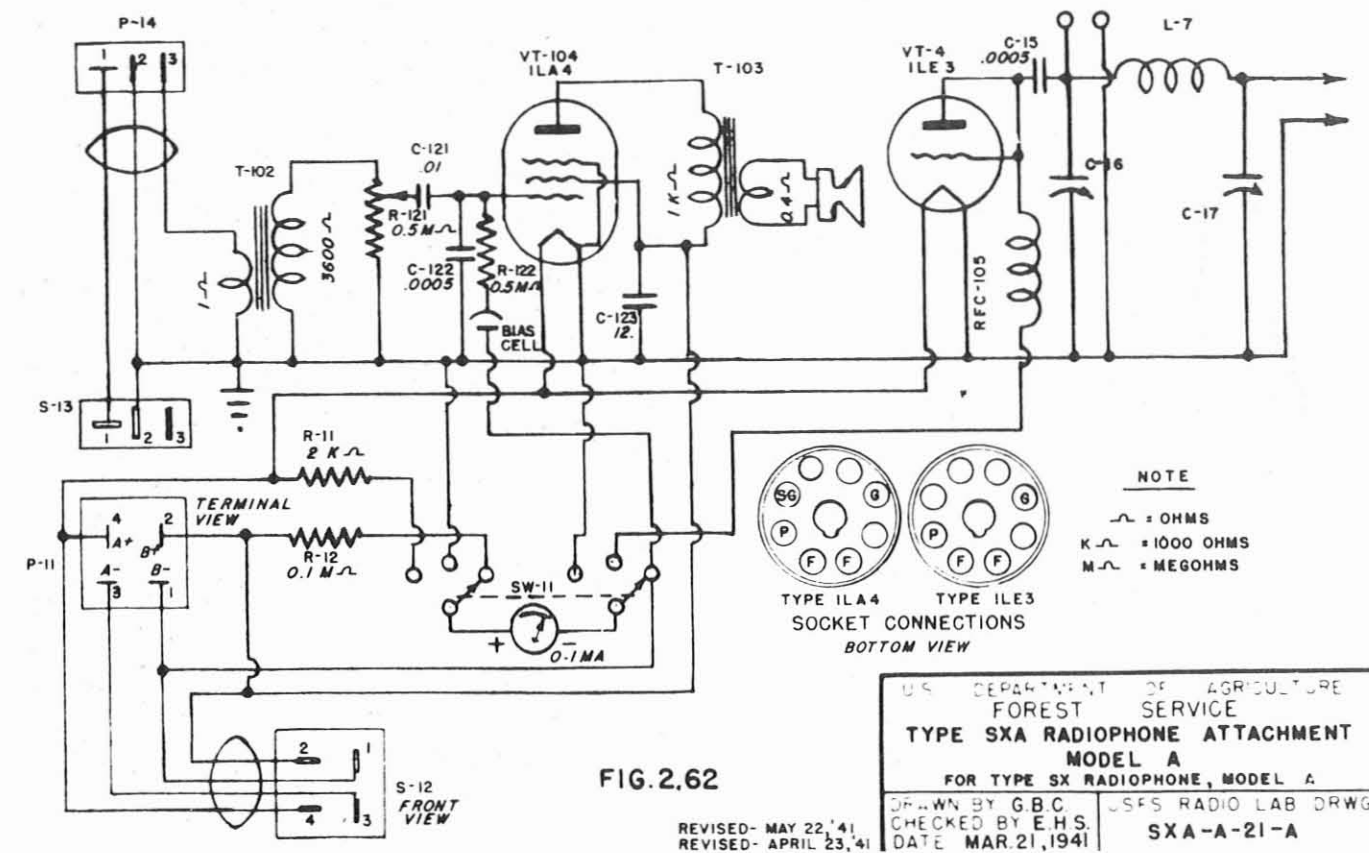
Schematic Drawing, Type SX-Model A

U. S. DEPARTMENT OF AGRICULTURE  
 FOREST SERVICE  
 TYPE SX RADIOPHONE  
 MODEL A

DRAWN BY B. C. C.  
 CHECKED BY E. H. S.  
 DATE MAR. 20, 1941

USFS RADIO LAB DWS  
 SX-A-21-0





Schematic Drawing, Type SXA-Model A

Vhf Types — FM



(Forest Service photo, History Section)

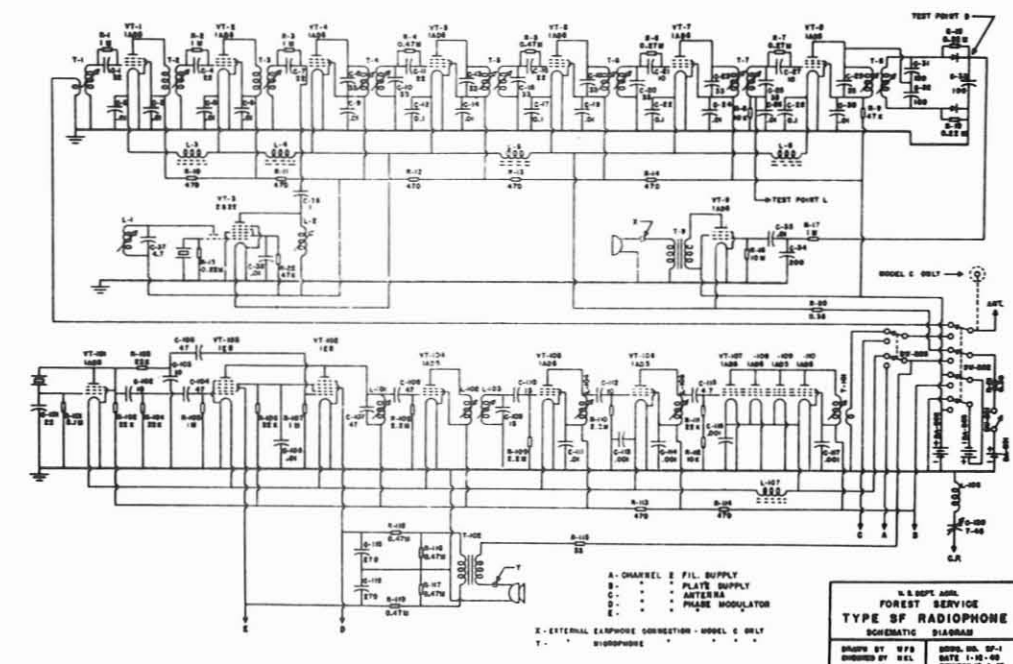
Type SF\*

Handie-Talkie with kitbox

Designed by: Logan M. Belleville, 1947  
Number produced: 200+  
Price: Not available  
Models: A-T2-R, B-2, C  
Frequency: 30-40 MHz  
Transmitter: 200 mw, dual channel, FM  
Receiver: Superheterodyne, 1 channel  
Power: Dry batteries  
Antenna: 7' collapsible rod  
Dimensions: 4 x 6 x 14"  
Weight: 9# w/batteries  
Principal use: Smokechasers and fire scouts

\*Comments: Related to type S only in manner of use ("F" for FM). Latter versions included telephone handset as part of carrying handle. A unit with earphones and sensitive microphone was produced for communications with airplanes.

Schematic Diagram, Type SF



# Type TF\*

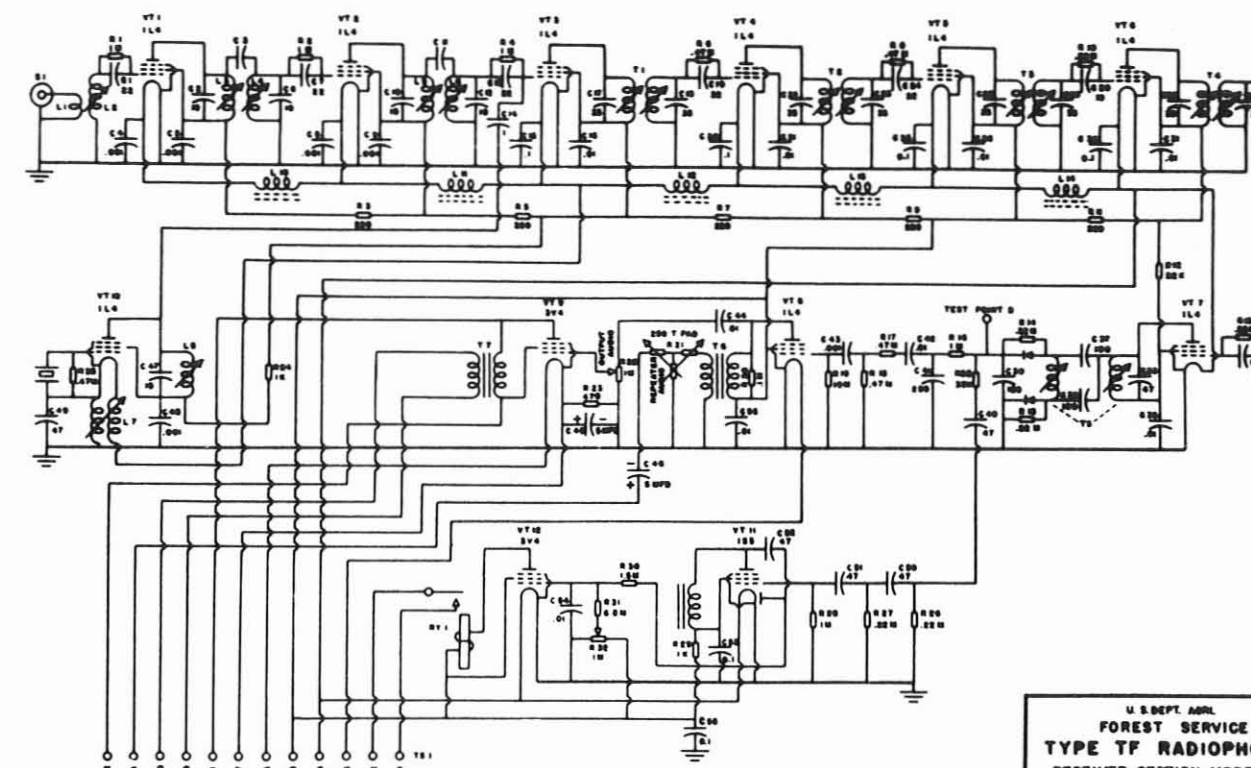
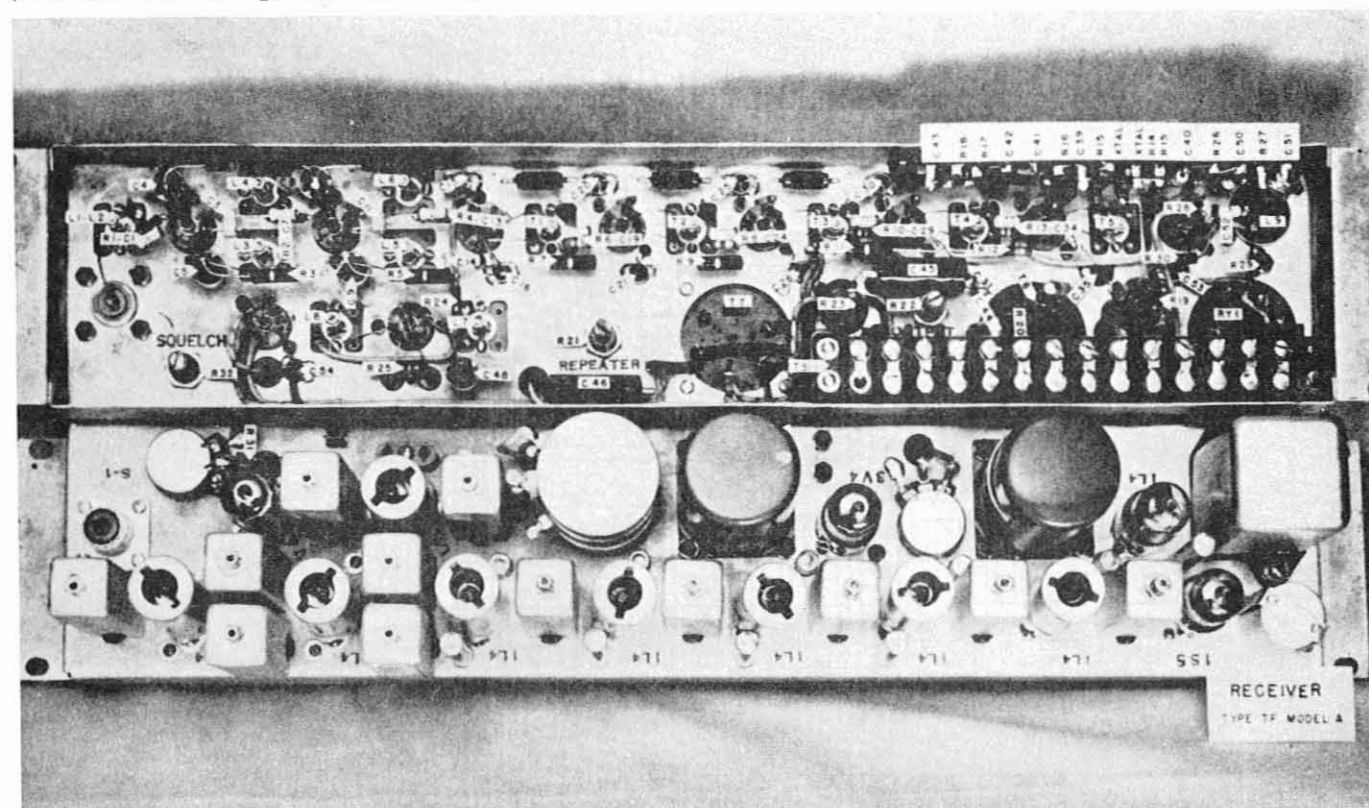
Lookout FM

Designed by: Radio Laboratory staff, 1947-48  
 Number produced: Not available  
 Price: Not available  
 Frequency: 30-40 MHz  
 Transmitter: 2 watts, 2 channel xtal, voice, FM, duplex  
 Receiver: Superheterodyne single channel  
 Power: Dry batteries  
 Antenna: Coaxial or GP  
 Dimensions: 13 x 10 x 26" plus battery box  
 Weight: 60# w/control unit

Principal use: Lookouts

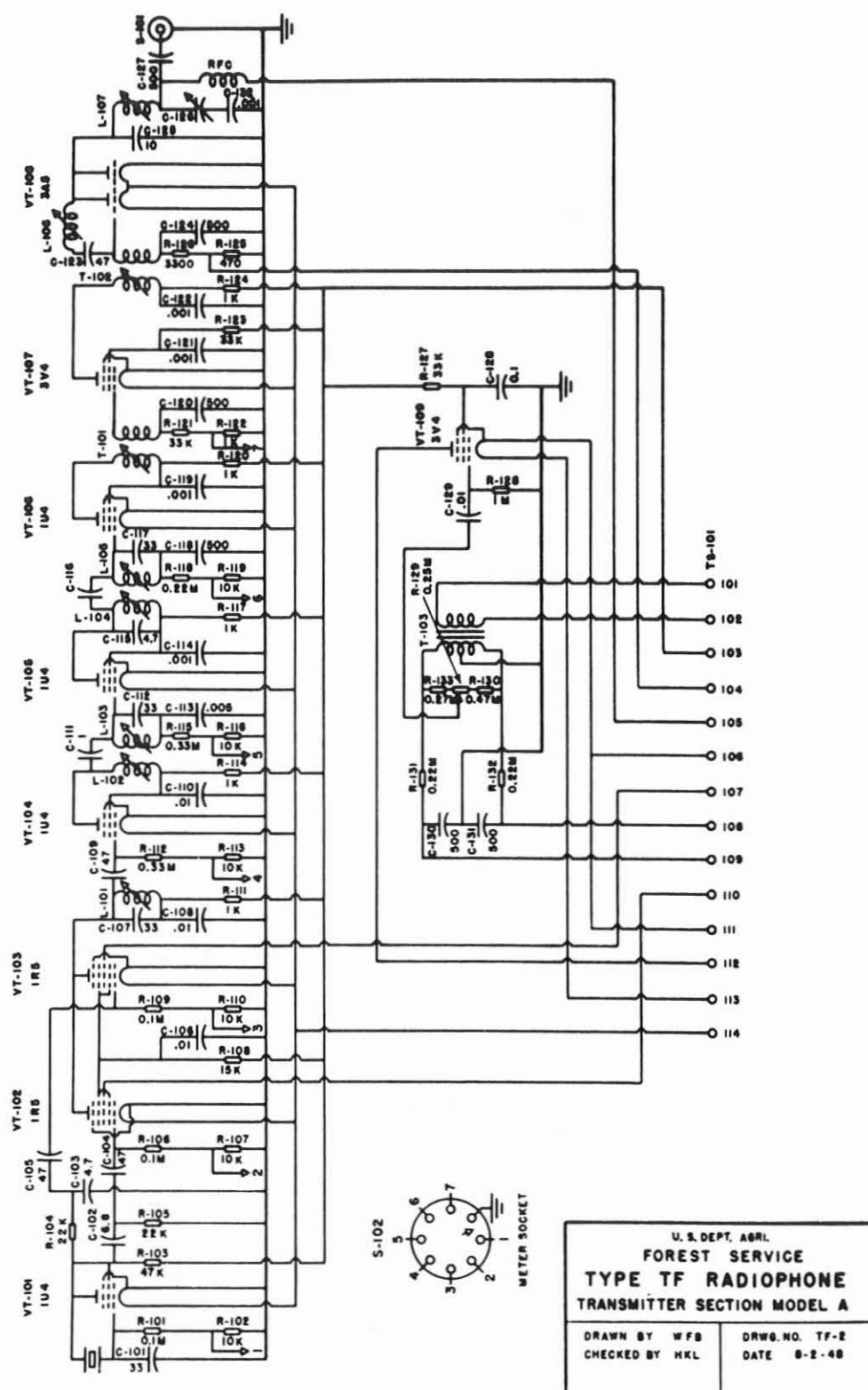
\*Comments  
 2 antennas required for all sets to be used as automatic repeaters  
 Main circuitry remotely located in magnesium cast weatherproof enclosure  
 Receiver only is pictured

(Forest Service photo, History Section)



U.S. DEPT. AGR.  
 FOREST SERVICE  
 TYPE TF RADIOPHONE  
 RECEIVER SECTION MODEL A  
 DRAWN BY WFB  
 CHECKED BY HEL  
 DRAWN NO. TF-1  
 DATE 7-10-48

Schematic Diagram, Type TF-Model A, Receiver



Schematic Diagram, Type TF-Model A, Transmitter

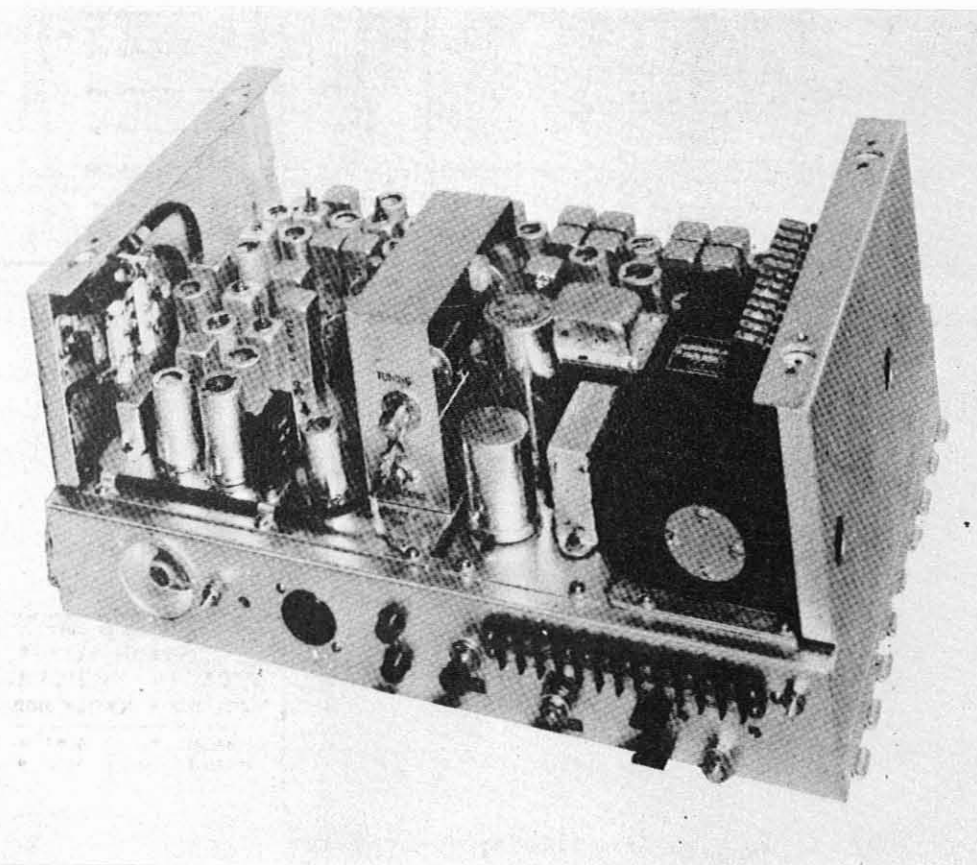
Type KF\*

'Mobile FM'

Designed by: W. F. Biggerstaff, 1947-48  
 Number produced: 10  
 Price: Not available  
 Models: A-T2-R  
 Frequency: 30-40 MHz  
 Transmitter: 25 watts, 2 channel, xtal, FM  
 Receiver: Superheterodyne, 1 channel, xtal  
 Power: 6-volt auto battery  
 Antenna: Mobile rod type  
 Dimensions: 16 1/2 x 8 1/2 x 15" circuitry  
 3 x 4 1/2 x 2" controls  
 Weight: 60#

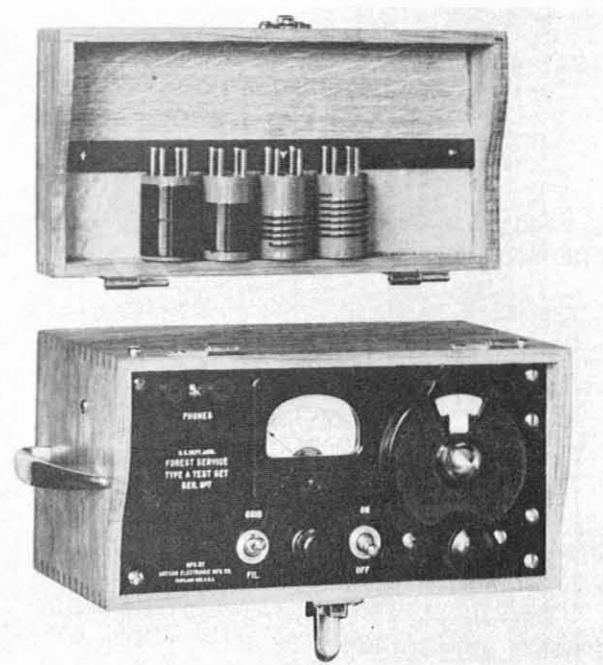
Principal use: Mobile

\*Comments: Current drain - 12 amps on standby, 22 amps to transmit  
 Photo is of the first commercially produced model of  
 this set. It is a RSMC-Type 1147  
 No photo of Lab prototype available

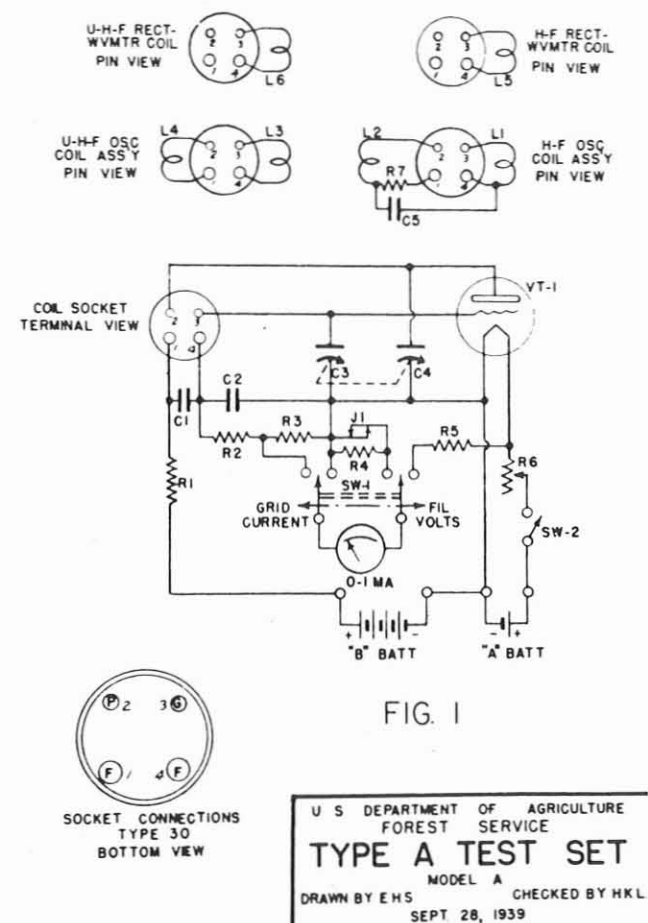




# Test Equipment

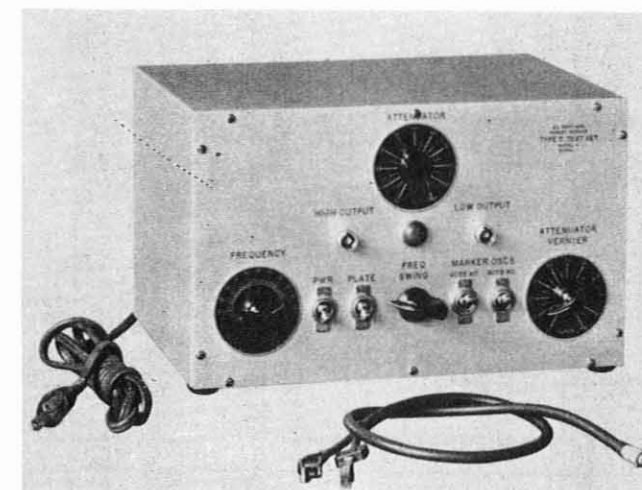


(Forest Service photo, History Section)  
Test Set, Type A



Schematic Diagram,  
Test Set, Type A-Model A

# Test Set, Type D



(Forest Service photo, History Section,  
15511)

Schematic Diagram, Test Set, Type D-Model A

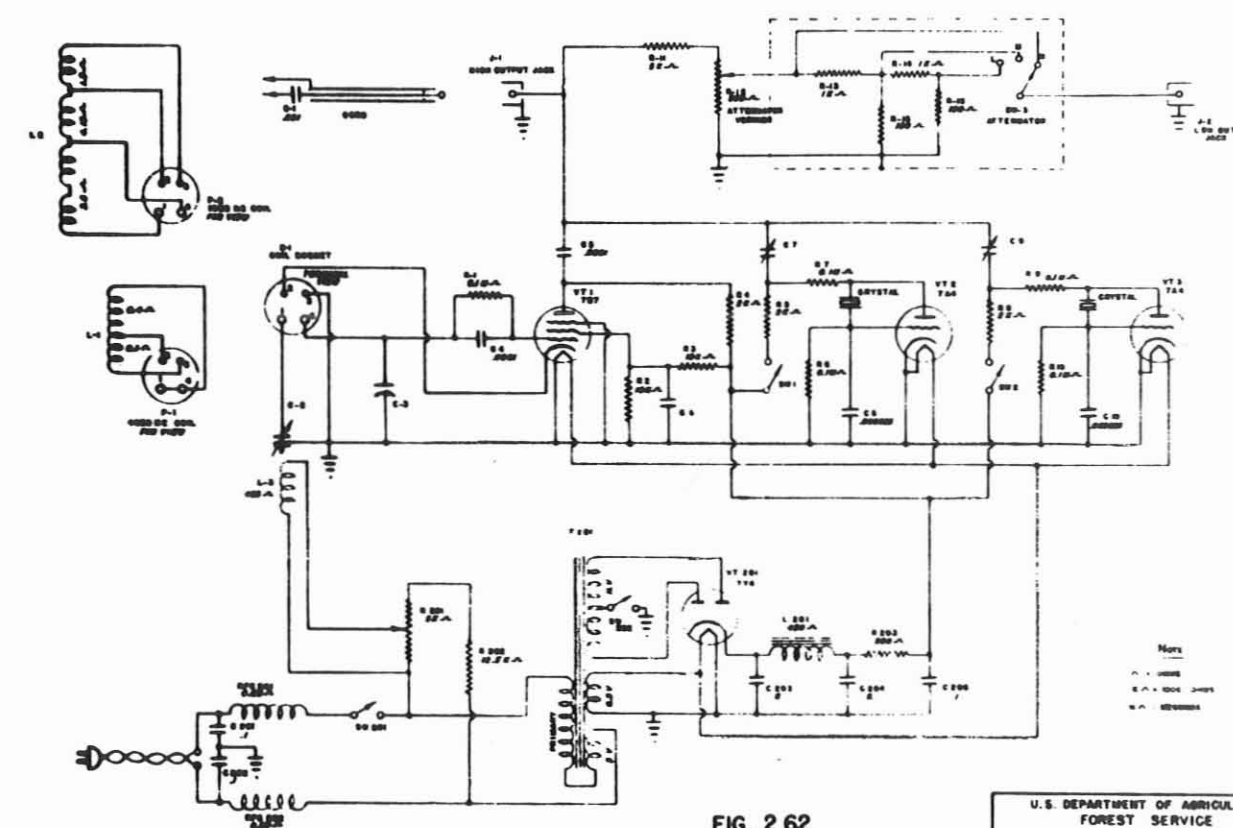
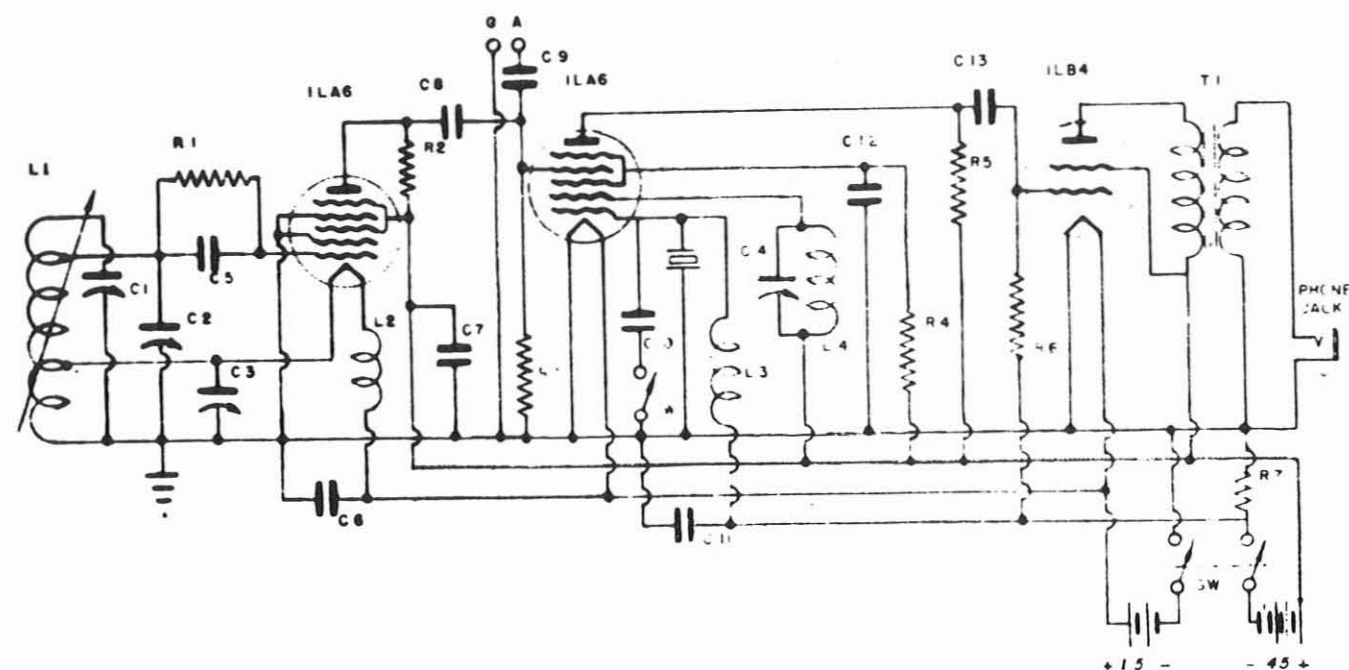


FIG. 2.62

U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
TYPE D TEST SET  
MODEL A  
DRAWN BY E.H.S.  
CHECKED BY H.K.L.  
DATE MAY 1, 1940

Notes  
1. 100K  
2. 100K 1/2W  
3. 100K 1/2W

U.S. RADIO LAB. PROJ.  
9-A-81-B



U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
HETERODYNE FREQUENCY METER  
TYPE C MODEL D  
DRAWN BY G.B.C. USFS RADIO LAB. DRWG.  
CHECKED BY H.K.L. C-D-21-A  
DATE MAY 5, 1940

Schematic Diagram, Heterodyne Frequency Meter, Type C-Model D

## Appendix II

### Abbreviations Used in Text and Reference Notes

a.c.	-	alternating current
af	-	audiofrequency
a.f.c.	-	automatic frequency control
AM	-	amplitude modulation (the early form of radio broadcasting)
ARRL	-	American Radio Relay League
A. T. & T.	-	American Telephone and Telegraph Co.
AWS	-	Aircraft Warning System (Service)
BIFC	-	Boise Interagency Fire Center
BRC	-	Blister Rust Control
CCC	-	Civilian Conservation Corps
c.w.	-	continuous wave (used for transmitting signals in Morse code)
dB	-	decibel (measure of sound level)
Dx	-	long distance
EIA	-	Electrical Industries Association
FM	-	frequency modulation (the later form of radio broadcasting)
FCC	-	Federal Communications Commission
FPL	-	Forest Products Laboratory
FTS	-	Federal Telecommunications System
GAK	-	Gaylord A. Knight Collection
GE	-	General Electric Co.
GPO	-	Government Printing Office
GSA	-	Government Services Administration
hf	-	high frequency
Hz	-	hertz (unit of electromagnetic wave frequency; one cycle per second)
if	-	intermediate frequency