



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

IRAC - Interdepartment Radio Advisory Committee  
 IRC - International Radio Conference  
 IRE - Institute of Radio Engineers  
 kc - kilocycle(s)  
 kHz - kilohertz  
 KBAA - control radio station of Forest Service Radio Laboratory,  
 Portland, Ore.  
 KBCX - control radio station of Northern Region at Missoula, Mont.  
 mA - milliamper(e)s  
 Mc - megacycle(s)  
 MHz - megahertz  
 MIT - Massachusetts Institute of Technology  
 MST&T - Mountain States Telephone and Telegraph Co.  
 NA - National Archives, Washington, D.C.  
 NA:95G- - National Archives, Record Group 95, Photograph  
 NBC - National Broadcasting Company  
 NBS - National Bureau of Standards  
 NETSA - Northeastern Timber Salvage Administration  
 NRL - Naval Research Laboratory  
 P - a Forest Service portable radio  
 PF - a Forest Service portable radiophone (voice)  
 PSW - Pacific Southwest Forest and Range Experiment Station  
 PTT - push-to-talk  
 QRM - radio audio interference  
 RCA - Radio Corporation of America  
 RF - radio frequency

REA - Rural Electrification Administration  
 RRS - Radio Relay Station (an automatic remote repeater  
 transmitter on fixed frequency)  
 RSMC - Radio Specialty Manufacturing Co.  
 SNUTS - Something New Under the Sun  
 SP - a Forest Service semiportable radio transmitter-receiver  
 SRC - Spokane Radio Co.  
 3M - Minnesota Mining and Manufacturing Co.  
 uhf - ultra high frequency  
 UR - Unsatisfactory Report (Equipment)  
 VFO - variable frequency oscillator  
 vhf - very high frequency  
 w - watt(s)  
 W7XAQ - radio transmitter of Forest Service Radio Laboratory,  
 Vancouver, Wash.  
 Xtal - crystal