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# INSTRUCTIONS

FOR

# PHILCO

REG. U.S. PAT. OFF.

## BALANCED-UNIT RADIO

### *MODEL 44*

MODEL 44 FOR 115 VOLTS, 50 - 60 CYCLES AC POWER SUPPLY  
MODEL 44A FOR 115 VOLTS, 25 - 60 CYCLES AC POWER SUPPLY  
MODEL 44E FOR 230 VOLTS, 50 - 60 CYCLES AC POWER SUPPLY

**DESCRIPTION**—Philco Model 44 is a superheterodyne receiver designed for the reception both of standard broadcasts and the interesting “short-wave,” police, aircraft and amateur radio stations. The range of frequencies is from 520 to 23,000 kilocycles (575 to 13 meters).

To obtain efficient, selective tuning over this wide frequency range, there are four separate scales on the tuning dial, each covering a portion of the complete range. Any of the four scales may be instantly selected and illuminated by a turn of one of the knobs. To facilitate prompt selection of the type of program desired, the words “police,” “aircraft,” “short-wave broadcast” are marked *directly on the dial*, in the approximate position on the scale where these stations may be received.

To obtain the excellent performance this receiver is designed to give, the instructions below should be carefully followed.

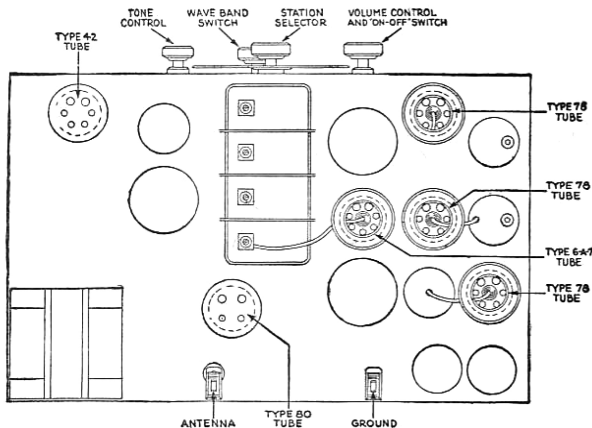


FIGURE 1

**PRELIMINARY STEPS** — The placing of the receiver in the room is important. It should be located near the window where the antenna wire is to be brought in, and should also be near an A. C. electric outlet.

Remove all packing material from around the tubes. Make sure that all tubes are firmly seated in their sockets. Check to see that the thimble cap is tightly set on the terminal at the top of the tubes enclosed in the cylindrical metal shields. See that these shields are firmly seated at their bases.

**AERIAL**—To receive short-wave programs satisfactorily, the antenna must conform to certain requirements. For best results we suggest the use of the Philco “Short-Wave Antenna Kit” which is especially designed for this purpose and provides the maximum efficiency in short-wave reception. This equipment may be obtained from your Philco dealer. Full instructions for installation are included with the kit.

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# PHILCO MODEL 44 INSTRUCTIONS

If it is necessary to use an antenna already set up, the following points should be carefully checked: The antenna wire should be as high as possible above the roof and well removed from trees, chimneys, etc. The lower portion of antenna should be kept as far as possible away from the wall of the building and from pipes, rainspouts and other metal objects. The antenna should preferably be one continuous wire from the far insulator to the receiver, as joints tend to reduce efficiency.

Bring the lower end of the antenna wire through the window frame by means of a porcelain tube — do not use a flat “window-strip” for this purpose. Attach the bared end of the wire to the terminal at rear of set, marked “ANTENNA” in Fig. 1.

**GROUND**—Short-wave reception also requires the use of an efficient ground connection. This can best be made by running a wire from the terminal at rear of receiver marked “GROUND” in Figure 1. to the nearest water pipe or radiator pipe. Use a ground clamp (purchasable from your Philco dealer) for making the connection to the pipe, and be sure the section of pipe used is scraped clean and shiny before attaching the clamp.

**POWER SUPPLY**—Insert the attachment plug on the AC Cord into the nearest outlet.

## The Receiver is Now Ready to Operate

**OPERATION**—First refer to the illustration of control panel (Fig. 2) to familiarize yourself with the function of the four control knobs.

The extreme left hand knob is the combined “on-off” switch and volume control. The first movement of this to the right (clockwise) turns on the radio, further turning will increase the volume. Turn this knob to the right about one-third of its total range of movement and allow about half a minute for the tubes to become heated.

We suggest that you first become familiar with the tuning-in of standard (American) broadcasts.—These are received with the “wave-band” switch (lower central knob) turned to the extreme left (counter clockwise). To obtain best reproduction of the desired station, adjust the Station Selector knob very carefully to the exact central point where the station is loudest; then readjust the volume control to suit your taste. Never cut down the volume by “tuning away from the station” with the Station Dial, as this will spoil the tone.

The numbers on the lower scale on the dial, by addition of a zero become kilocycles, by which the various stations are listed on radio logs and the radio page of the newspaper. A list of principal stations will be found on a later page of this folder.

The numbers on the other three scales stand for megacycles (a megacycle is 1,000 kilocycles). Refer to the short-wave log on the last page of this folder, when a number of short-wave stations are listed according to megacycles.

**TONE CONTROL**—The right hand knob operates the tone control. There are two positions of this knob. Turning it to the left hand position emphasizes the high notes, resulting in a higher pitch to the voice or music. This gives distinctness of speech and brilliance in music. The right hand position gives a lower pitched tone. This is desirable for distant stations and to reduce background noise.

**RECEIVING SHORT-WAVE STATIONS**—The several classes of short-wave stations are obtained by turning the wave-band switch to one of the three steps to the right.

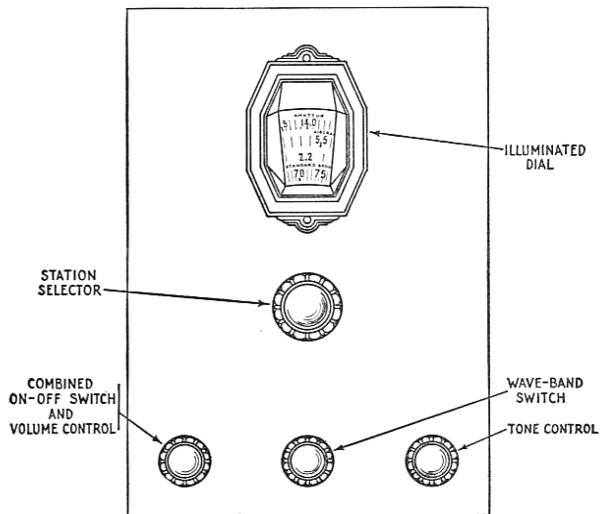


FIGURE 2

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# PHILCO MODEL 44 INSTRUCTIONS

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Turn the Volume Control knob **FULL ON** (right).

Turn the wave-band switch to the position which gives best reception at the time of day you are listening. This is governed by the following general rule (due to the peculiarities of short waves):

Forenoon: 23 to 11 megacycles (4th band).

Early Afternoon: 16 to 9 megacycles (3rd and 4th bands).

Late Afternoon: 12 to 9 megacycles (3rd and 4th bands).

Evening: 9.5 to 1.5 megacycles (2nd and 3rd bands).

Turn the Station Selector knob **SLOWLY** on the correct band until a "swishing" sound is heard — this usually indicates the presence of a short-wave station. (Except stations on the 2nd band which are heard without this preliminary). Now **PULL THE KNOB OUT (TOWARD YOU)** — this shifts the tuning mechanism into "low-gear" or slow-speed tuning position, enabling accurate tuning of the short-wave stations — which tune **VERY SHARPLY**. Turn the knob back and forth until the station comes in clearly. Finally re-adjust the volume control as necessary.

Many of the powerful short-wave stations broadcast on several different frequencies. Refer to the list of short-wave stations at the end of this folder, and if you cannot hear a certain station at one of the frequencies listed, try another.

European stations are heard best in the daytime, especially the afternoon — **RARELY** in the evening. In the evening you will hear chiefly Police stations (2nd band); Aircraft and Amateurs (3rd band); and American short-wave stations (3rd band).

**SERVICE**—Your Philco dealer is equipped to provide service for your receiver. Complete radio satisfaction requires that your receiver be checked by an expert radio serviceman at least once every six months.

Experts, trained by Philco, are available in your neighborhood. These men are members of **RADIO MANUFACTURERS' SERVICE** (a Philco Service Plan) and they have all the necessary test equipment to properly adjust or service your Philco.

These men have received instructions on the proper type of antenna to use or install. They have been trained to help you obtain excellent reception even in congested neighborhoods where man-made static may mar or interfere with the program you wish to hear.

Should you or your friends require immediate, courteous radio service — call a member of Radio Manufacturers' Service.

## STANDARD WARRANTY

*We warrant each new Radio Receiver and Speaker manufactured by us to be free from defects in material and workmanship under normal use and service, our obligation under this warranty being limited to making good at our factory or factory depots any part or parts thereof which shall, within ninety (90) days after delivery of such Receiver to the original purchaser, be returned to us with transportation charges prepaid, and which our examination shall disclose to our satisfaction to have been thus defective; this warranty being expressly in lieu of all other warranties, expressed or implied, and of all other obligations or liabilities on our part, and we neither assume nor authorize any representative or other persons to assume for us any other liability in connection with the sale of our Receivers or Speakers.*

*This warranty shall not apply to any Receiver or Speaker which shall have been repaired or altered outside of our factory or factory depots in any way so as, in our judgment, to affect its stability or reliability, nor which has been subject to misuse, negligence or accident, nor which has had the serial number altered, effaced or removed. Neither shall this warranty apply to any Receiver or Speaker which has been connected otherwise than in accordance with the instructions furnished by us.*

# PHILCO

PHILADELPHIA — TORONTO — LONDON

# STANDARD BROADCASTING STATIONS

Dial	STATION	LOCATION	Dial	STATION	LOCATION	Dial	STATION	LOCATION
54	CJRW	Winnipeg, Man.	86	WABC	New York, N. Y.	121	WCBS	Springfield, Ill.
55	WGR	Buffalo, N. Y.	87	WENR	Chicago, Ill.	122	KFKU	Lawrence, Kans.
56	WFI	Philadelphia, Pa.	87	WLS	Crete, Ill.	122	WDAE	Tampa, Fla.
56	WLIT	Philadelphia, Pa.	88	CRCO	Ottawa, Ont.	122	WCAE	Pittsburgh, Pa.
57	WNAX	Yaphan, S. D.	89	WJAR	Providence, R. I.	122	WRBN	Lawrence, Kans.
57	WWNC	Ashville, N. C.	90	KHJ	Los Angeles, Calif.	123	KYA	San Francisco, Calif.
58	KSAC	Manhattan, Kans.	90	WKY	Oklahoma City, Okla.	123	WNAC	Boston, Mass.
59	KHQ	Spokane, Wash.	91	CKY	Winnipeg, Man.	123	CFQC	Saskatoon, Sask.
59	WOW	Omaha, Neb.	92	KOMO	Seattle, Wash.	124	WXYZ	Detroit, Mich.
60	KFSD	San Diego, Calif.	92	WVJ	Detroit, Mich.	124	WKAO	San Juan, Porto Rico
61	KFRG	San Francisco, Calif.	93	WBRG	Birmingham, Ala.	125	WODA	Paterson, N. J.
61	WIP	Philadelphia, Pa.	94	KOIN	Portland, Ore.	125	WJAL	Northfield, Minn.
61	WDAF	Kansas City, Mo.	95	KMBC	Kansas City, Mo.	126	KOIL	Council Bluffs, Iowa
62	KGW	Portland, Ore.	95	WRC	Washington, D. C.	127	WJDZ	Jackson, Miss.
62	WTMJ	Milwaukee, Wis.	96	CRCT	Toronto, Ont.	128	WCAM	Camden, N. J.
63	WOS	Jefferson City, Mo.	97	WCFL	Chicago, Ill.	128	WDOD	Chattanooga, Tenn.
64	KFI	Los Angeles, Calif.	98	KDKA	Pittsburgh, Pa.	129	KOYL	Salt Lake City, Utah
64	WOI	Ames, Iowa	99	WBBZ	E. Springfield, Mass.	129	WJAZ	Pittsburgh, Pa.
65	WSM	Nashville, Tenn.	99	WBZA	Boston, Mass.	130	WIOD	Miami Beach, Fla.
66	WEAF	New York, N. Y.	100	WHO	Des Moines, Iowa	130	KFAC	Los Angeles, Calif.
67	WMAQ	Chicago, Ill.	100	WOC	Davenport, Iowa	131	WHAT	Philadelphia, Pa.
68	KPO	San Francisco, Calif.	101	CKCK	Regina, Sask.	132	WADC	Tallmadge, Ohio
68	WPTF	Raleigh, N. C.	102	KYTV	Chicago, Ill.	132	WSMB	New Orleans, La.
69	CFRB	Toronto, Ont.	103	CFCN	Calgary, Alta.	133	KSCJ	St. Louis, Mo.
70	WLB	Cincinnati, Ohio	104	KTHS	Hot Springs, Ark.	133	WTAQ	Eau Claire, Wis.
71	WOR	Newark, N. J.	105	KNX	Hollywood, Calif.	133	WDRG	Hartford, Conn.
72	WGN	Elgin, Ill.	105	WIS	Columbia, S. C.	134	WSPD	Toledo, Ohio
73	CKAC	Montreal, Que.	106	WBAL	Baltimore, Md.	135	KWK	St. Louis, Mo.
74	WSB	Atlanta, Ga.	106	WTIC	Hartford, Conn.	136	WPBL	Syracuse, N. Y.
74	XER	Villa Acuna, Mex.	107	WTAM	Cleveland, Ohio	137	KMAC	San Antonio, Tex.
75	WJR	Detroit, Mich.	108	WBT	Charlotte, N. C.	138	WKBH	La Crosse, Wis.
76	WJZ	New York, N. Y.	109	KMOX	St. Louis, Mo.	139	WHK	Cleveland, Ohio
77	KFAB	Lincoln, Neb.	110	WLWL	New York, N. Y.	137	WDAS	Philadelphia, Pa.
77	WBBM	Chicago, Ill.	110	WPGI	Atlantic City, N. J.	139	KLRA	Little Rock, Ark.
78	WMC	Memphis, Tenn.	111	KSOO	Sioux Falls, S. D.	140	WBAL	West Lafayette, Ind.
79	KGO	Oakland, Calif.	111	WRVA	Richmond, Va.	141	KGRS	Amarillo, Texas
79	WGY	Schenectady, N. Y.	112	CKOC	Hamilton, Ont.	142	WEHS	Chicago, Ill.
80	WBAP	Fort Worth, Texas	113	KSL	Salt Lake City, Utah	143	KECA	Los Angeles, Calif.
80	WFDA	Dallas, Texas	113	WJJD	Mooseheart, Ill.	144	WMBD	Peoria, Ill.
81	WCCO	Minneapolis, Minn.	114	KVOO	Tulsa, Okla.	145	KTBS	Shreveport, La.
81	WNYC	New York, N. Y.	114	WAPI	Birmingham, Ala.	146	KPTD	St. Paul, Minn.
82	WHAS	Louisville, Ky.	115	WHAM	Rochester, N. Y.	146	WJSV	Mt. Vernon Hills, Va.
83	KOA	Denver, Colo.	116	WOWO	Fort Wayne, Ind.	147	KGA	Spokane, Wash.
83	KRUF	Gainesville, Fla.	116	WVVA	Wheeling, W. Va.	147	WLAC	Nashville, Tenn.
84	KRLW	Windsor, Ont.	117	WCAU	Philadelphia, Pa.	148	WKBW	Buffalo, N. Y.
85	KWKH	Shreveport, La.	118	KOB	Albuquerque, N. M.	149	WCKY	Covington, Ky.
85	WWL	New Orleans, La.	119	WOAI	San Antonio, Texas	150	KREG	Santa Ana, Calif.

## POLICE BROADCASTING STATIONS

CITY	STATION	CITY	STATION	CITY	STATION
<b>MUNICIPAL POLICE</b> 1712 K.C. (1.7 on Dial)		Dayton, Ohio.....	WDDM	Santa Barbara, Calif.....	KGZO
Arlington, Mass.....	WPED	Denver, Colo.....	KGPG	Santa Cruz, Calif.....	KGZT
Beaumont, Texas.....	KGPI	Des Moines, Iowa.....	KGZG	Saginaw, Mich.....	WPES
Brookline, Mass.....	WPEJ	Detroit, Mich.....	WCKA	Seattle, Wash.....	KGPA
Chicago, Ill.....	WPBB	El Paso, Texas.....	WFDX	Shreveport, La.....	KGZL
Cincinnati, Ohio.....	WPDC	Flint, Mich.....	WMO	Sioux City, Iowa.....	KGPK
Dallas, Texas.....	WPDD	Fort Wayne, Ind.....	KGZM	Swarthmore, Pa.....	WPFQ
Detroit, Mich.....	WPKU	Fresno, Calif.....	WPDF	Syracuse, N. Y.....	WPEA
Fort Worth, Texas.....	KGPR	Gary, Ind.....	WFDZ	Tacoma, Wash.....	KGZN
Hammond, Ind.....	WPFJ	Grand Rapids, Mich.....	KGZA	Toledo, Ohio.....	WRDQ
Highland Park, Ill.....	WPFD	Grosse Point, Mich.....	WFFL	Toms River, N. J.....	WPFH
Houston, Texas.....	KGZB	Hackensack, N. J.....	WPEB	Topeka, Kansas.....	KGZC
Lexington, Ky.....	WPKU	Honolulu, T. H.....	WRDR	Tulare, Calif.....	WPDA
Los Angeles, Calif.....	KGPI	Indianapolis, Ind.....	WPFK	Tulsa, Okla.....	KGPO
New Bedford, Mass.....	WPFN	Jacksonville, Fla.....	KGPO	Vallejo, Calif.....	KGPG
Newton, Mass.....	WPPA	Jacksonville, Tenn.....	KGZD	Washington, D. C.....	WPDW
Pasadena, Calif.....	KGJX	Kansas City, Mo.....	WFFG	Wichita, Kans.....	KGZP
Pittsburgh, Pa.....	WPDU	Klamath Falls, Ore.....	WFFR	Woonsocket, R. I.....	WPDM
Providence, R. I.....	WPEI	Knoxville, Tenn.....	KGPE	Yonkers, N. Y.....	WPFY
St. Louis, Mo.....	KGPC	Kokomo, Ind.....	KGZH	Youngstown, Ohio.....	WPDG
Sommerville, Mass.....	WPEH	Lakeland, Fla.....	WFFO		
Waco, Texas.....	KGZO	Lansing, Mich.....	WPDF	<b>MARINE POLICE</b> 1558 K.C. (1.5-1.6 on Dial)	
Wichita Falls, Texas.....	KGZI	Louisville, Ky.....	WFFT	Boston, Mass.....	WEY
		McAlester, Okla.....	WFDL	Detroit, Mich.....	WKDT
		Memphis, Tenn.....	WDE	San Francisco, Calif.....	KGPD
		Miami, Fla.....	WDCS		
		Milwaukee, Wis.....	WDCZ	<b>STATE POLICE</b> 1534, 1574 K.C. (1.5-1.6 on Dial)	
		Mineola, N. Y.....	WDCZ	Baton Rouge, La.....	WPEO
		Minneapolis, Minn.....	WDCZ	Des Moines, Iowa.....	KGHO
		Mt. Pleasant, N. Y.....	WDCZ	East Lansing, Mich.....	WRDS
		Muskegon, Mich.....	WDCZ	Frammingham, Mass.....	WMP
		New Orleans, La.....	WDCZ	Middleboro, Mass.....	WPEL
		New York, N. Y.....	WDCZ	Northampton, Mass.....	WPEW
		Oklahoma City, Okla.....	WDCZ	Shreveport, La.....	KGPY
		Omaha, Neb.....	WDCZ		
		Palm Beach, Fla.....	WDCZ		
		Passaic, N. J.....	WDCZ		
		Pawtucket, R. I.....	WDCZ		
		Philadelphia, Pa.....	WDCZ		
		Phoenix, Ariz.....	WDCZ		
		Portland, Ore.....	WDCZ		
		Portland, Ore.....	WDCZ		
		Reading, Pa.....	WDCZ		
		Richmond, Ind.....	WDCZ		
		Rochester, N. Y.....	WDCZ		
		Rockford, Ill.....	WDCZ		
		St. Paul, Minn.....	WDCZ		
		Salem, Ore.....	WDCZ		
		Salt Lake City, Utah.....	WDCZ		
		San Diego, Calif.....	WDCZ		
		San Francisco, Calif.....	WDCZ		
		San Jose, Calif.....	WDCZ		

# SHORT WAVE BROADCASTING STATIONS OF THE WORLD

Approx. Mega-cycles on Philco Dial	Meters	Station	Location	Approx. Mega-cycles on Philco Dial	Meters	Station	Location
2.40	125.10	W1XAZ	Springfield, Mass.	9.68	31.00	T14NRH	Heredia, Costa Rica
2.74	109.60	VE9CQ	London, Ont., Canada	9.87	30.40	EAO	Madrid, Spain
4.11	72.99	HCJB	Quito, Ecuador	10.35	28.99	LSX	Buenos Aires, Argentina
4.27	70.20	RV15	Khabarovsk, U. S. S. R.	11.18	26.83	CT3AQ	Funchal, Madeira
4.79	62.56	VE9BY	London, Ont., Canada	11.70	25.63	FYA	Paris, France
4.79	62.56	W2XV	Long Island City, N. Y.	11.72	25.60	VE9JR	Winnipeg, Man., Canada
5.14	58.31	OKTPT	Prague, Czechoslovakia	11.73	25.58	PHI	Eindhoven, Holland
5.17	58.03	PMY	Bandoeng, Java	11.75	25.53	GSD	Daventry, England
5.50	54.52	W2XBH	New York, N. Y.	11.76	25.51	DJD	Zeesen, Germany
5.69	52.70	FIUI	Tananarive, Madagascar	11.76	25.51	XDA	Mexico City, Mexico
5.71	52.54	VE9CL	Winnipeg, Man., Canada	11.78	25.47	VE9DR	Drummondville, Que., Can.
5.86	51.22	XDA	Mexico City, Mexico	11.79	25.45	W1XAL	Boston, Mass.
5.88	51.02	HJ2ABA	Tunja, Colombia	11.81	25.40	I2RO	Rome, Italy
5.93	50.60	HJ4ABE	Medellin, Colombia	11.81	25.40	VE9GW	Bowmanville, Ont., Canada
5.97	50.25	HVJ	Vatican City, Italy	11.83	25.36	W2XE	New York, N. Y.
6.00	50.00	VOI	Bucharest, Roumania	11.83	25.36	W9XAA	Chicago, Illinois
6.00	50.00	RW59	Moscow, U. S. S. R.	11.86	25.28	GSE	Daventry, England
6.00	50.00	EAJ25	Barcelona, Spain	11.87	25.27	W8XK	Pittsburgh, Penna.
6.00	50.00	HRB	Tegucigalpa, Honduras	11.90	25.20	FYA	Paris, France
6.00	50.00	VE9DR	Drummondville, Que., Can.	11.90	25.20	CT3AQ	Funchal, Madeira
6.02	49.83	W9XF	Chicago, Illinois	12.00	25.00	RNE	Moscow, U. S. S. R.
6.02	49.83	DJC	Zeesen, Germany	12.82	23.39	CNR	Rabat, Morocco
6.03	49.75	XEW	Mexico City, Mexico	12.85	23.35	W2XO	Schenectady, N. Y.
6.03	49.75	VE9CA	Calgary, Alta., Canada	13.95	21.51	VOI	Bucharest, Roumania
6.04	49.67	W4XB	Miami Beach, Fla.	14.63	20.51	XDA	Mexico City, Mexico
6.04	49.67	W1XAL	Boston, Mass.	15.01	19.99	CM6XJ	Havana, Cuba
6.05	49.59	GSA	Daventry, England	15.08	19.90	T14NRH	Heredia, Costa Rica
6.05	49.59	VE9HX	Halifax, Nova Scotia	15.14	19.84	HVJ	Vatican City, Italy
6.06	49.50	ZL2ZX	Wellington, New Zealand	15.14	19.84	GSF	Daventry, England
6.06	49.50	CMCI	Havana, Cuba	15.20	19.82	DJB	Zeesen, Germany
6.06	49.50	W8XAL	Cincinnati, Ohio	15.21	19.73	W8XK	Pittsburgh, Penna.
6.06	49.50	VO7LO	Nairobi, Kenya, Africa	15.24	19.68	FYA	Paris, France
6.06	49.50	W3XAU	Philadelphia, Penna.	15.25	19.66	W2XAL	New York, N. Y.
6.07	49.40	HIX	Santo Domingo, R. D.	15.27	19.64	W2XE	New York, N. Y.
6.07	49.42	VE9CS	Vancouver, B. C.	15.33	19.56	W2XAD	Schenectady, N. Y.
6.07	49.42	UOR2	Vienna, Austria	15.49	19.36	J1AA	Tokio, Japan
6.07	49.42	OXV	Skamleback, Denmark	17.76	16.89	DJE	Zeesen, Germany
6.08	49.35	CP5	La Paz, Bolivia	17.77	16.87	GSG	Daventry, England
6.08	49.34	W9XAA	Chicago, Illinois	17.77	16.87	PHI	Eindhoven, Holland
6.09	49.26	VE9BJ	St. John, N. B.	17.78	16.87	W3XAL	Bound Brook, N. J.
6.09	49.26	VE9GW	Bowmanville, Ont., Can.	17.78	16.87	W9XF	Chicago, Illinois
6.10	49.18	ZTJ	Johannesburg, So. Africa	17.78	16.87	W8XK	Pittsburgh, Penna.
6.10	49.18	W9XF	Chicago, Illinois	17.78	16.87	W9XAA	Chicago, Illinois
6.10	49.18	W3XAL	Bound Brook, N. J.	17.78	16.87	PLE	Bandoeng, Java
6.11	49.10	VUC	Calcutta, India	20.73	14.47	LSY	Buenos Aires, Argentina
6.11	49.10	VE9CG	Calgary, Alta., Canada	21.46	13.98	W1XAL	Boston, Mass.
6.11	49.10	YV1BC	Caracas, Venezuela	21.47	13.97	GSH	Daventry, England
6.12	49.02	W2XE	New York, N. Y.	21.50	13.95	W9XF	Chicago, Illinois
6.12	49.02	FLE	Paris, France	21.54	13.93	W8XK	Pittsburgh, Penna.
6.12	49.02	ZTJ	Johannesburg, So. Africa				
6.12	49.02	VE9HX	Halifax, Nova Scotia				
6.14	48.86	W8XK	Pittsburgh, Penna.				
6.15	48.78	VE9CL	Winnipeg, Man., Canada				
6.15	48.78	VV3BC	Caracas, Venezuela				
6.15	48.78	HKA	Barranquilla, Colombia				
6.20	48.35	HKC	Bogota, Colombia				
6.22	48.23	I2RO	Rome, Italy				
6.23	47.80	H11A	Dominican Republic				
6.24	48.05	HKD	Barranquilla, Colombia				
6.25	48.00	CN8MC	Casablanca, Morocco				
6.25	48.00	HJ3ABF	Bogota, Colombia				
6.32	47.50	T1TR	San Jose, Costa Rica				
6.32	47.50	HIZ	Dominican Republic				
6.38	47.00	HJ5ABD	Calif, Colombia				
6.38	47.00	HC1DR	Quito, Ecuador				
6.39	46.96	W3XAL	Bound Brook, N. J.				
6.43	46.67	VE9BY	London, Ont., Canada				
6.58	45.38	HJ4ABB	Barranquilla, Colombia				
6.61	45.38	RW72	Moscow, U. S. S. R.				
6.62	45.31	PRADO	Rio Bamba, Ecuador				
6.66	45.00	HC2RL	Guayaquil, Ecuador				
6.67	45.00	F8KR	Constantine, Algeria				
6.67	45.00	TGW	Guatemala City, Guatemala				
6.98	43.00	EAR110	Madrid, Spain				
7.00	42.92	LCL	Jelov, Norway				
7.21	41.60	HJ4ABB	Manizales, Colombia				
7.21	41.60	EAR58	Tenerife, Canary Islands				
7.22	41.55	HKE	Bogota, Colombia				
7.40	40.55	HJ3ABD	Bogota, Colombia				
7.44	40.30	HBQ	Radio Nations, Geneva, Switzerland				
7.56	39.70	HKF	Bogota, Colombia				
7.80	38.47	HBP	Radio Nations, Geneva, Switzerland				
7.88	38.07	J1AA	Tokio, Japan				
8.00	37.50	HC2JSB	Guayaquil, Ecuador				
8.05	37.33	CNR	Rabat, Morocco				
8.11	36.99	HCJB	Quito, Ecuador				
8.19	36.65	PSK	Rio De Janeiro, Brazil				
8.65	34.68	VE9BY	London, Ont., Canada				
8.93	33.50	TGX	Guatemala City, Guatemala				
9.49	31.41	SRI	Poznan, Poland				
9.51	31.55	VK3ME	Melbourne, Australia				
9.51	31.55	GSB	Daventry, England				
9.52	31.51	OXV	Skamleback, Denmark				
9.53	31.48	W2XAF	Schenectady, N. Y.				
9.56	31.38	DJA	Zeesen, Germany				
9.57	31.35	W1XAZ	Springfield, Mass.				
9.57	31.35	W8XK	Pittsburgh, Penna.				
9.58	31.30	GSC	Daventry, England				
9.59	31.28	W3XAU	Philadelphia, Penna.				
9.59	31.28	VK2ME	Sydney, Australia				
9.59	31.28	HBL	Radio Nations, Geneva, Switzerland				
9.60	31.25	CT1AA	Lisbon, Portugal				

## IMPORTANT POINTS FOR TUNING-IN SHORT-WAVE STATIONS

1. Be sure the Volume Control is turned up.
2. Be sure to tune on the scale which is best at the time you are listening.
3. Turn the Tuning Knob SLOWLY.
4. When you have located a station, pull out the knob for "slow-speed tuning."
5. Be patient, and remember that "practice makes perfect."

### REMEMBER THAT BEST

RECEPTION IS—

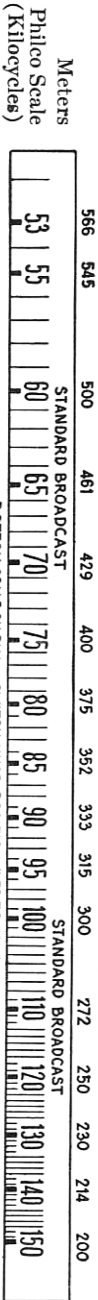
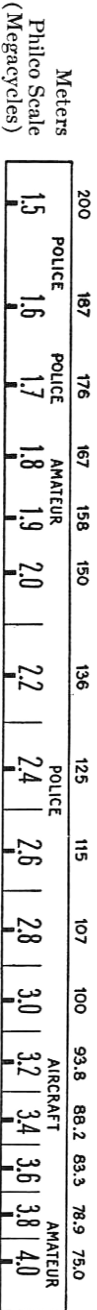
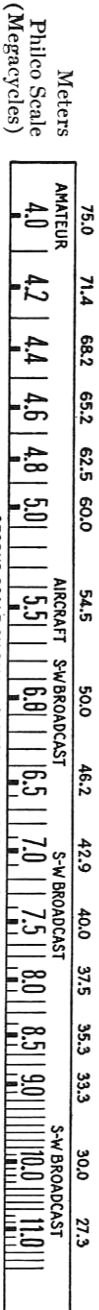
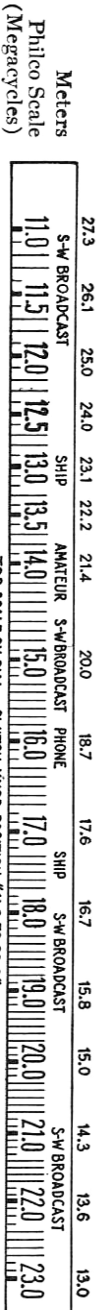
FORENOON ..... 23 to 11 Megacycles

EARLY AFTERNOON 16 to 9 Megacycles

LATE AFTERNOON.. 12 to 9 Megacycles

EVENING ..... 9.5 to 1.5 Megacycles

## Conversion Chart for Philco Model 44 — Megacycles to Meters, Kilocycles to Meters on Bottom Dial.



# PHILCO

PHILADELPHIA—TORONTO—LONDON