

# IMPROVED RECEPTION

for Short Wave Listeners

## MOSLEY SWL-7 Dipole Kit for 11·13·16·19·25·31·49 Meters

J. A. RUSSELL  
5064½ Narragansett St.  
San Diego 7, Calif., U.S.A.



Here's an inexpensive 7-band receiving dipole that uses little space yet offers real "DX-Ability" for adding more hard-to-get stations to your log . . . help you get more QSL cards from distant lands.

Easy to assemble? You bet! The SWL-7 is a complete antenna . . . just attach the wires to trap assemblies, strain-relief center connector and end insulators. Tie the end insulators to any convenient supports. You're on the air in minutes!

The Mosley SWL-7 utilizes new-design trap assemblies which are fully enclosed in Poly-Chem for stable performance in all weather. The SWL-7 is resonant over the full width of each of the 7 bands yet measures just 40 feet in length! Made of No. 16 tinned copper wire with glazed porcelain insulators, the entire antenna, including trap assemblies, weighs just two pounds. The SWL-7 is fed with 75 ohm twin-lead transmission line, supplied.

This dipole antenna is intended for receiving purposes only. It is recommended that the SWL-7 be oriented as closely as possible to the direction of desired signal reception and 25 feet or more high and clear of surrounding objects.

### kit includes:

- \* 8 Weatherproof Trap Assemblies
- \* Transmission Line Center Connector
- \* 45 feet, No. 16 Tinned Copper Wire
- \* Glazed Porcelain Insulators
- \* 100 feet, 75 ohm Transmission Line

only  
**\$14.75 complete**



*Electronics, Inc.* 4610 N. LINDBERGH BLVD., BRIDGETON, MISSOURI

DISTRIBUTED BY:

WEST COAST BRANCH  
1406-08 South Grand Avenue  
Los Angeles 15, California

INTERNATIONAL DIVISION  
15 Moore Street  
New York 4, New York



# An Unsolicited Report from

# Shortwave Monitor, J. A. Russell, WPE6EZ \*

## PERFORMANCE SURVEY MOSLEY SWL-7 ANTENNA

Tests were run on these stations because the reception pattern of most of them had been established here in the past, and the general characteristics were known. A random sampling rather than a complete and comprehensive survey of all bands was necessary because of several locally related factors.

Antenna erected running NE/SW at a bearing of 10 and 190 Degrees true. Broadside then being NW/SE at a bearing of 280 and 100 Degrees true. To the East, this favors Cuba, Venezuela and Northern Brazil. To the West, this favors Midway Island, Western New Guinea and Western Australia.

Reception Conditions during the test period running from November 24th to the 27th tended to be unsettled, with brief periods alternately disturbed and normal, based on WWV-WVH half hourly broadcasts of conditions.

TIME GMT	FREQ.	STATION LOCATION	SINPO	REMARKS
1600	25840	London, England BBC	35545	Greatly improved signal.
1600	21675	London, England BBC	45545	Greatly improved signal.
1530	21610	Cincinnati, Ohio WLWO	35445	Strong two path echo.
1730	21455	Tangier, Tangier VOA	25332	First logging at this time of day.
0745	21540	Melbourne, Australia	45434	Great improved signal.
0330	17855	Tokyo, Japan	45545	Much improved signal.
0330	17810	Peking, China	35434	Greatly improved signal.
0330	17745	Peking, China	45434	Greatly improved signal.
0330	17765	Peking, China	35434	Much improved signal.
1700	15085	Monrovia, Liberia ELWA	45545	First logging at this hour.
2100	15300	Manila, P.I. DZH9	25433	Greatly improved signal.
0745	15180	Melbourne, Australia	55445	Improved signal.
1900	15145	Recife, Brazil ZYK33	35434	On loudspeaker for the first time.
0230	11885	Karachi, Pakistan	25445	First logging at this hour.
1900	11920	Allouis (Paris), France	24434	First logging at this hour.
0600	11710	Melbourne, Australia	25434	First logging, good signal.
1815	11955	Addis Ababa, Ethiopia	35434	First logging at this hour.
2200	9615	Tangier, Tangiers VOA	34433	First logging, (radiotelephone).
0000	9895	Willemstadt, Curacao	45544	First logging, (radiotelephone).
0030	9715	Hilversum, Holland	45444	Beamed to South America.
1845	9545	Berne, Switzerland	25322	First logging, beamed to England.
0530	9640	Seoul, South Korea	54555	Greatly improved signal.
2300	9770	Manila, P.I. VOA	34434	First logging at this hour.
2345	9773	Cap Haitien, Haiti	45434	Remarkably improved signal.
0510	8905	Tokyo, Japan (airport)	35434	Excellent signal, 100% readable.
0630	6210	Ciudad Trujillo, D.R.	45444	Improved signal.
0630	6135	Papeete, Tahiti	45444	Improved signal.
0630	6160	Bogota, Colombia	44434	Formerly difficult - QRM
0400	6080	Tokyo, Japan	54554	Formerly difficult - QRM
0520	6000	Cap Haitien, Haiti	53543	Formerly improved, QRM problem.
0545	2598	Astoria, Oregon	55445	Improved (marine radiotelephone).
0545	2530	Galveston, Texas	25444	Improved (marine radiotelephone).
0545	2558	Vancouver, B.C., Can.	45455	Improved (marine radiotelephone).

The MOSLEY SWL-7 Antenna has opened up new DXing territory for me. Assembly is simple and performance is satisfactory to excellent in all respects. Improved signal strength is apparent in the majority of instances. I heartily recommend it the DXer seeking all band coverage.

*J. A. Russell*  
J. A. Russell, WPE6EZ  
Shortwave Monitor

November 28, 1960  
San Diego, California

\* 5064 1/2 Narragansett St.  
San Diego 7, Calif.

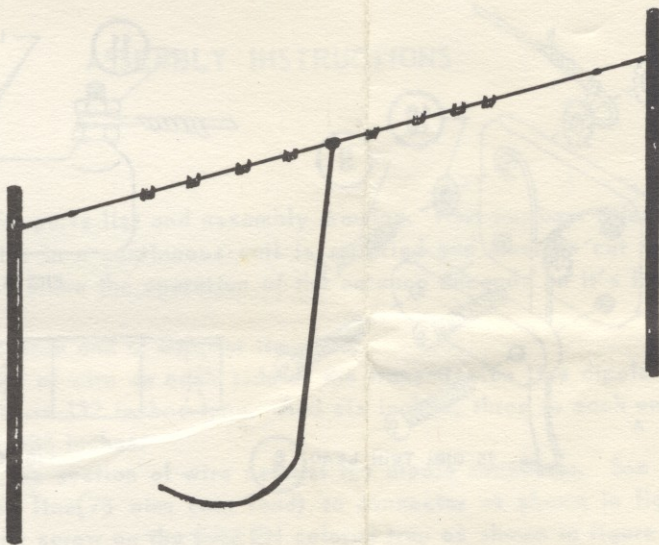
Member Newark News  
Radio Club.

Regular Contributor to  
the DX Section of  
Popular Electronics  
Magazine.

Also . . . DXing Horizons, in a report published in their December 1960 issue, says "... a gold star report for the MOSLEY SWL-7 Antenna! To say we are impressed is an understatement of the first order."

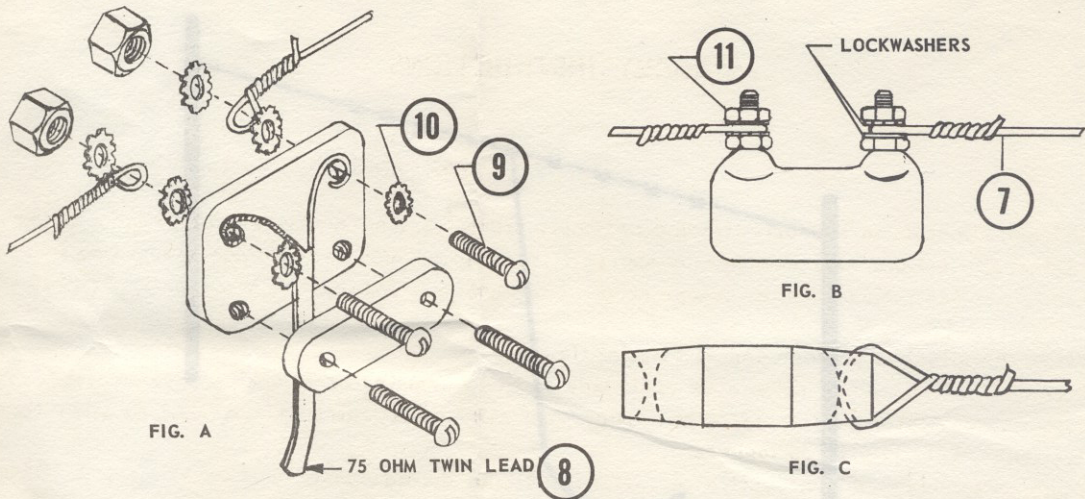
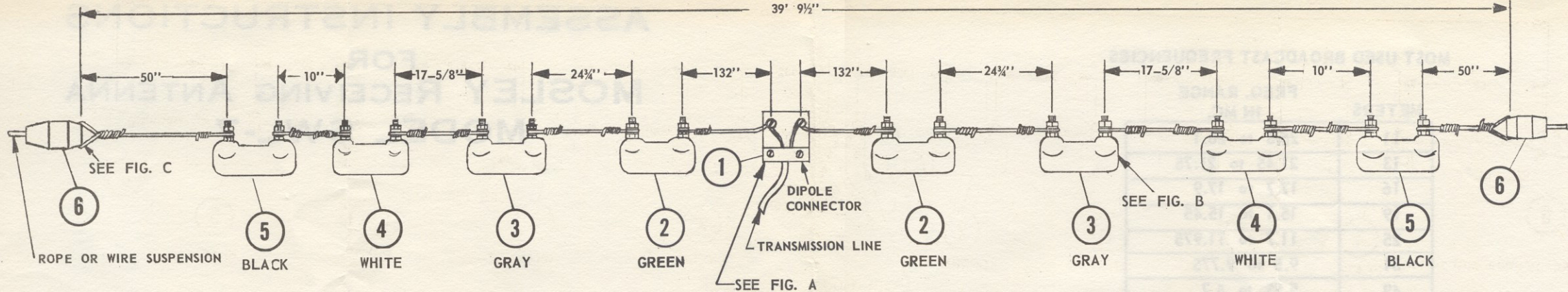


# ASSEMBLY INSTRUCTIONS FOR MOSLEY RECEIVING ANTENNA MODEL SWL-7



*The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with the instructions supplied. Substitutions of material or modification of design will materially lessen this performance.*





**ASSEMBLY INSTRUCTIONS**

Refer to illustration for parts list and assembly drawing. Part numbers refer to parts on drawing. 45 feet of antenna wire in a continuous coil is supplied and must be cut to required lengths as shown in illustration. Since the operation of the antenna depends on it's length, **THIS IS VERY IMPORTANT.**

Allow three inches on each end of wire for tie-wire.  
**EXAMPLE:** The piece of wire on each side of the transmission line dipole connector (center of antenna in illustration) is 132 inches long. Add six inches, three to each end, to allow for connections. This totals 138 inches.

Begin assembly with the section of wire nearest the dipole connector. See Figure A. Strip and assemble transmission line (75 ohm twin lead) to connector as shown in figure A. Fasten the other end of wire to the screw on the GREEN colored trap as shown in figure B in illustration. LENGTHS GIVEN ON ASSEMBLY DRAWINGS ARE FROM SCREW OF ONE TRAP ASSEMBLY TO SCREW OF THE NEXT TRAP ASSEMBLY. (SEE ASSEMBLY DRAWING) The remaining wire should be cut to the lengths shown in the illustration (plus the allowance for connections) and fastened to the trap units according to color code. The last section of wire is 50 inches between screw of BLACK trap and the end of the loop on the insulator. See Figure C. The antenna can be supported with wire or rope from each insulator.

The antenna should be, if possible, 25 feet, or more, in height and clear of surrounding objects. The antenna will have a certain directive characteristic. It is recommended that the antenna be oriented as closely as possible to the direction of desired signal reception. This orientation of the antenna is such that when a line is drawn, from the station or stations to be heard, to the receiving location the antenna is at right angles to this line. Maximum reception holds true for direction either side of the antenna.

When installed according to the above instructions, this antenna will receive on the frequencies listed in Table,

**This antenna is intended for RECEIVING PURPOSES ONLY. ANY USE OF THIS ANTENNA OTHER THAN IT'S INTENDED USE WILL INVALIDATE OUR WARRANTY.**

**PARTS LIST**

PART NO.	QUAN.	DESCRIPTION
1	1	Transmission Line or Dipole Connector
2	2	GREEN Trap Assemblies
3	2	GRAY Trap Assemblies
4	2	WHITE Trap Assemblies
5	2	BLACK Trap Assemblies
6	2	Insulators
7	45 ft.	#16 Tinned Copper Wire
8	100 ft.	75 Ohm Twin Lead
9	4	6-32 x 5/8" Long Screws
10	38	#6 External Lockwashers
11	34	6-32 Nuts



## MOST USED BROADCAST FREQUENCIES

METERS	FREQ. RANGE IN MC.
11	25.8 to 26.1
13	21.45 to 21.75
16	17.7 to 17.9
19	15.1 to 15.45
25	11.7 to 11.975
31	9.5 to 9.775
49	5.95 to 6.2

# M·E·I

MOSLEY ELECTRONICS, INCORPORATED

4610 North Lindbergh Boulevard

Bridgeton, Missouri

*NOTE: When ordering replacement parts, please refer to form No. and part No.*