### IMPROVED RECEPTION

## for Short Wave Listeners

J. A. RUSSELL 5064% Narragansett St. San Diego 7, Calif., U.S.A.



# **MOSLEY SWL-7 Dipole Kit**

for 11-13-16-19-25-31-49 Meters

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

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# 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 comprehensities were known. tics 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. To the Broadside then being NW/SE at a bearing of 280 and 100 Degrees true. To the Broadside then being NW/SE at a bearing of 280 and 100 Degrees true. To the West, this East, this favors Cubs, Venezuela an Northern Brazil. To the West, this East, this favors Cubs, Venezuela an Northern Brazil. To the West, this East, this favors Cubs, Venezuela an Northern Brazil. To the West, this East, this favors Cubs, Venezuela and Western Australia.

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

based on "		
and normal, based on an accounton	SINPO	
am TON LINEAL LOW	-	Greatly improved signal.
TIME FREQ. STATION ZOOM		Greatly improved signal. Greatly improved signal.
TIME FREY.	35545	Great improved Signation
	1 5 5 1.5	Greatly improved school Strong two path echo. Strong two path echo. First logging at this time of day. First logging at grant improved signal.
1600 25840 London, England BBC London, England	45545	Ctrong two path this time of day.
1600 25840 London, England BBC London, England WLWO	35445	Strong are this value
1600 21675 London, this Ohio WLWO	05222	First 1085 a signal.
1600 21675 London, England Ohio WLWO Cincinnati, Ohio WLWO Tangler VOA	25332	Great improved Signal
1600 21610 Cincinnati, Ona 1530 21615 Tangier, Tangier VOA 1730 21455 Tangier, Australia	45434	First logging at the first logging as Great improved signal.  Much improved signal.
1730 21455 Tangler, language Australia	FF1.5	March Impi
	45545	improved sassing
0745 21540 Melbourne, Japan	35434	Much improved signal.  Greatly improved signal.
0177 37066 106,401	7777	Greatly improved signal. Greatly improved signal.
0330 17070 Peking, China	45434	and improved significant
0330 17810 Peking, China	35434	
	7747	Minch Imp +his nou.
0330 17745 Peking, China ELWI	A 45545	ningt logging at the
0330 17765 Peking, Liberia ELW	25433	First Tool signal.
25085 MOIII V - 7710	67477	First logging at the first logging at time.
1700 15085 Monrovia, P.I. DZH9		signal. signat time.
2100 15300 Manila, Australia	35434	Improved select for the III
ZIOO MelDourio, 13 74K33	3747	Greatly implementations of the first time.  Improved signal.  On loudspeaker for the first time.  On loudspeaker for the first time.  First logging at this hour.
0745 15160 Recife, Brazil Liky	2544	on logging at this have
1900 15145 Recile, Pakistan Karachi, (Paris), Fran		
0230 11885 Karachi, Paris), Fran	1C6 5447.	. Pinet luch - I aldina.
1900 11885 Karachi, Pakistan 0230 11885 Allouis (Paris), Fran 1900 11920 Allouis (Paris)	2543	First logging at this hour.  First logging, good signal.  First logging at this hour.
1900 11920 Allouis (Parla) Melbourne, Australia Melbourne, Ethiopia	3543	First 1088 at this now.
1900 11710 Melbourne, Australia (1900) 11710 Melbourne, Australia (1900) 11710 Melbourne, Australia (1900) 1900	2747	First loggins . listelephone.
1900 11710 Melbourne, Russian Melbourne, Musicipal	A 3443	First logging, good states hour. First logging at this hour. First logging, (radiotelephone). First logging, (radiotelephone). First logging, adjoint first logging.
1815 11955 Addis Ababa, Tangiers VO.	4554	First logging, (Famerica.  Beamed to South America.  Beamed to South America.  First logging, beamed to England.
TOLY Tangler, Tangen	4774	Promed to South and to England.
2200 9615 Tangler, Curacao	4541	the beamed logging, beamed
0000 9895 Willemstad Holland Hilversum Holland	252	Pinet 1055-07 impol.
0000 9095 Hilversum, Holland	/77/	
0000 9715 Hilversum, itzerland	545	55 Great at this house
OFIE MELLIO	211	Greatly improved signal.  Greatly improved signal.  Remarkably improved signal.  Remarkably improved signal.
1845 9747 Seoul, South Roles	344	Pararkably impi
0530 9640 Seoul, Soul, VOA	454	34 Remail eignal, 100
Manitas Traits	477	34 First logging designal. 34 Remarkably improved signal. 34 Excellent signal, 100 readable. 34 Excellent signal.
2300 9/10 Cap Haitien, hairno	rt.) 324	34 Excellent signal. Improvedxsignal.
2345 9773 Cap Hallow (airpo	D 1.54	144 Improved signal. ORM
2005 TOAJO 20110. De	R. T.	Improved signal.  Improved signal.
0510 cindad Trujilio,	421	
	lele	improved signal.  Improved signal.  Improved difficult - QRM.  Formerly difficult - QRM problem.  Formerly improved, QRM problem.  Greatly improved, radiotelephone).
o630 6135 Papeece, Colombia		Formerly QRM productional
0630 Oligo Rogota, Colombia	24	554 Creetly improved, midiatelephone).
0630 6160 Bogota, Japan	53	543 Greatly Larine radiotelephone).
0630 6080 Tokyo, dapatien, Haiti	FE	Formerly dillibuted, QRM problem.  543 Greatly improved, radiotelephone).  Laproved (marine radiotelephone).  Laproved (marine radiotelephone).
0630 6080 Tokyo, Japan Haiti	22	
0400 6000 Cap Hall Tegon 0400 2598 Astoria, Oregon	25	444 Improved (marine radiocette
2598 ASULTAN Texas	9 2	1.55 Improved the land the season
0520 2530 Galveston, P.C. C	an. 4.	towy for me. Rose
0545 2558 Vancouver, B.C.,		nving territorial respects.
0515 2558 Vallet		ed up new partily
0545 2558 Valle	as open	ed up new DXing territory for me. Assem- factory to excellent in all respects. I heartily
ANGELEY SWL-/ ANGENIA	ie satis	Iacour jority of Theoder
The MUSLEI a nerformance	To some i	n the major
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bly 18 signal strength 15 or	all band	L COVERNO NE NE LE CONTRACTOR NE LE COVERNO
SILIUM - SANTINE	Christian .	A Descella William

recommend it the Dier seeking all be J.A. Russell, WPE6EZ Shortwave Monitor

November 28, 1960 San Diego, California

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."

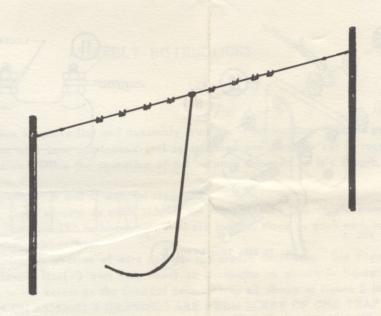
\* 50641/2 Narragansett St. San Diego 7, Calif. Member Newark News Radio Club.

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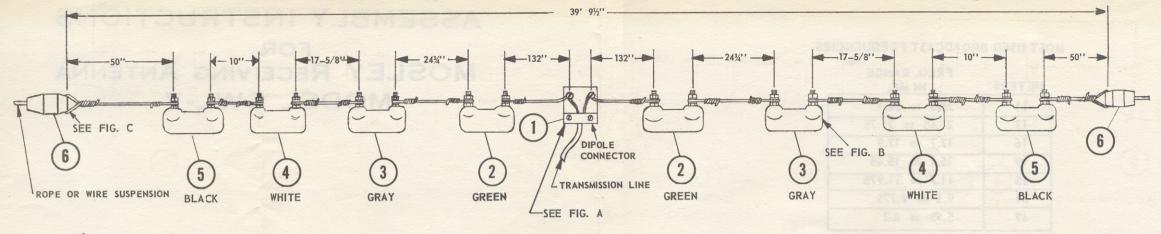
Magazine.

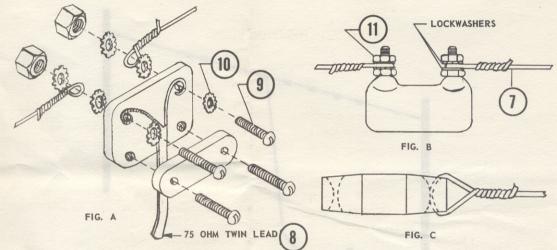
FORM NO. S-1

# 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.





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

#### 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.

#### 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



MOSLEY ELECTRONICS, INCORPORATED 4610 North Lindbergh Boulevard Bridgeton, Missouri

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