

The Amateur Radio Crossword Puzzler

By H. Ward Silver, N0AX

With a receiver, it's not so much what you hear that makes a good one, but what you *don't* hear! A crossword entitled "Good Fences Make Good Neighbors" narrows the passband a bit.

With a receiver, it's not so much what you hear that makes a good one, but what you *don't* hear! What keeps us from being overwhelmed by all the other signals and noise sources is filters. This quiz gently prods your memory and knowledge of these important receiver components. No peaking!

Ward "The Attenuator" Silver, N0AX, authors--among numerous other things--the Amateur Radio Crossword Puzzler, which appears twice a month on the ARRL Web site. He can be reached by e-mail at n0ax@arrl.net or by surface mail at Aetherworks Publishing, 22916 107th Ave NW, Vashon, WA, 98070.

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						69								

Across

1. Minor amplitude variations
5. Final level of rejection
11. Type of beam antenna
12. VFO that varies inductance
13. Shortest Morse sound
14. Mechanical oscillator element
16. Filter that only changes phase: ...-pass
17. Highest point
19. Stores computer data (abbr)
20. Obtain with great effort
21. Droop
24. Print resolution (abbr)
27. Not off
28. Initial or widest filter
31. Oxidized iron
33. Study of the earth: ...logy
34. Twisted filter
36. Coaxial conductors
39. Good luck (CW abbr)
40. Type of cut for 14 Across
41. Propagation across the equator (abbr)
42. To do
44. Number of capacitors and inductors in a passive filter
46. Filter that rejects high frequencies: ...-pass
48. 3 dB frequency
49. Adjust a control for a particular result
51. Most common passive filter type
52. Reactive power (abbr)
53. Not out

54. Unlicensed UHF radio service (abbr)
56. Son with same name (abbr)
57. Brings back to life
59. Shielded from the wind
61. Sports league with the tallest athletes
63. Filter that rejects a single frequency
65. Slang for edges of filter response
66. Audio interference from ac power
68. Variable resistors
69. Move rapidly back and forth

Down

1. Slang for 14 Across
2. Use a lever to open
3. Allow a signal to flow through
4. On fire or alight
5. World time (abbr)
6. Draw current from
7. Not used
8. State that looks like a mitten (abbr)
9. Reduces in amplitude
10. Knowledgeable individual
12. Sub-audible control tone (abbr)
15. Signals that can be heard
18. All right
19. Filter that rejects low frequencies:-pass
22. Government agency that funded the creation of the Internet (abbr)
23. Not stop
25. Semiconductor

- junction (abbr)
26. Change in rejection with frequency
27. Popular schematic capture program
29. Stare laviciously
30. Cost of access
32. Received and understood: Q..
35. Latin abbreviation indicating an example
36. Maker of mechanical filters
37. By the way (abbr)
38. Filter that uses powered components
42. Precious metal (chemical symbol)
43. Single frequency signal
45. Prevents a signal from passing
47. British term for friend (CW abbr)
48. Tuned hollow structure used for filtering
50. Transmit-receive (abbr)
52. License exam proctor (abbr)
55. Measure of filter's change in response with frequency
57. Power supply voltage
58. Tight
60. Original name of Alpha Power (abbr)
62. Break (CW abbr)
64. High speed or SE Asian country (abbr)
66. CW laughter
67. One-thousandth of a gram (abbr)

	S		E	L	G	G	W	I		Y		L		
S	T	O	P		M	U	H		S	T	R	I	K	S
H	C	O	T	N		N		E		I		B	A	N
	E	E	L			S	V	I	V	E	R			I
R	J		S	R	F		I	N		V	A		C	L
T	E	S			F	F	O	T	C	U		W	L	O
	R	E	D	R	O		A	C		E	T			O
		A	T		G	L		A		E	B	A	C	
	L	A	L	I	C	A		H	E	O	G	E	P	
T	S	R	U	S		R	O		G	I	N	F	R	O
R		N	O		R		P	I	D			A	G	S
E	K	E		E		H	D		U		S			K
P	O	T		L	L	A		L	A	T	S	R	Y	C
X		T	D	I		T	O	P		A	R			O
E	A	T	I	M	T	U	L		E	P	P	P	R	I