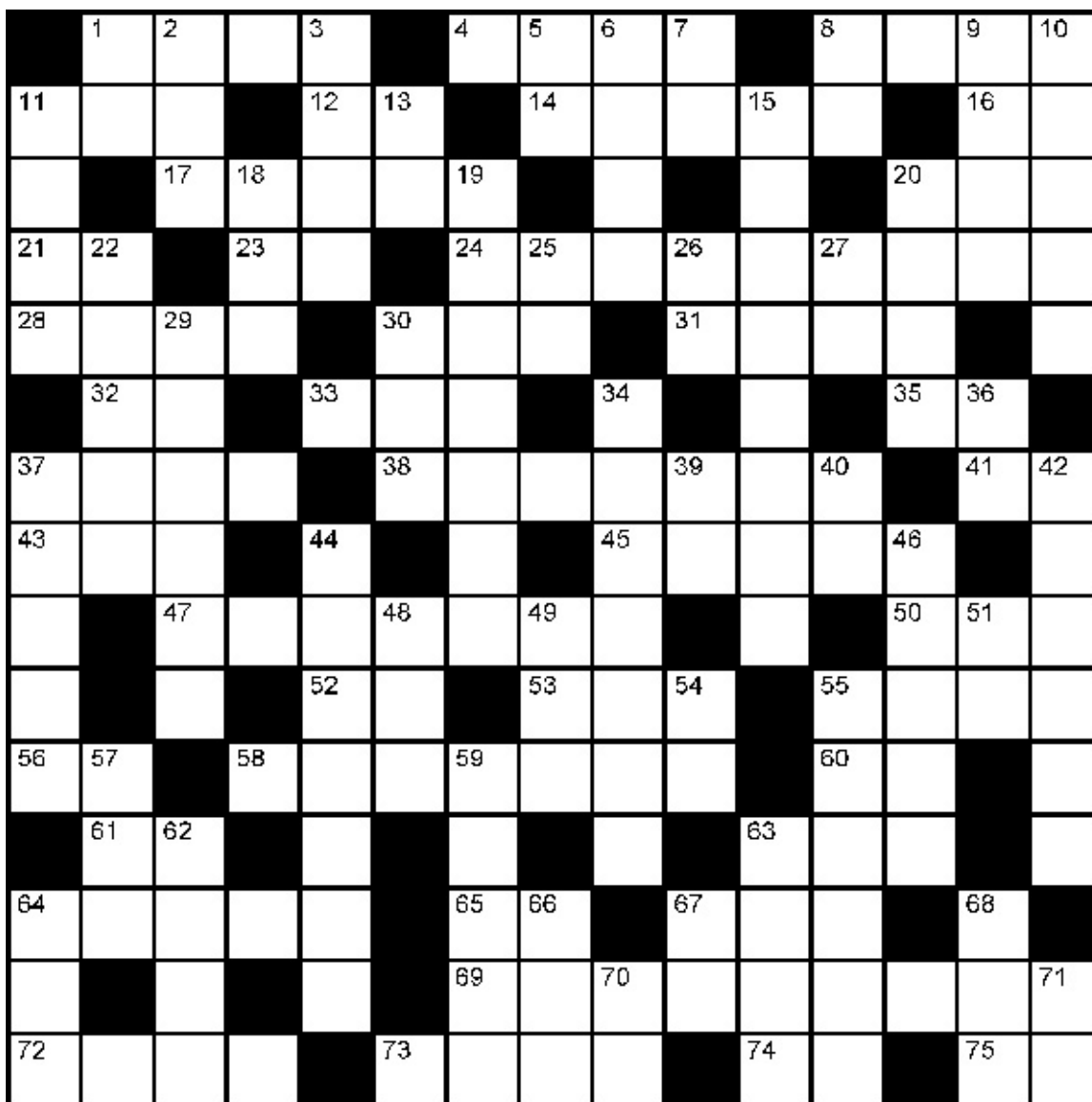


# Amateur Radio Crossword Puzzler

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## The Bits and Pieces

Quick! What's inside all that gear you have in the shack? Smoke? Well, sorta, but no - that's not it, try again, I'll wait...right! Electronics! And so, too, is the topic of our puzzle this week. No, not inside your gear! The topic is electronics - things to do with and of the bits and pieces that make our radios go. And there's a little Field Day fun sprinkled in there, too. Have fun!



**Across**

1. Two-terminal thyristor
4. Radio parameter measured by length
8. Exam or puzzle
11. Room of iniquity
12. Functional
14. Find the answer
16. Direction of Japan from Europe
17. Bidirectional thyristor
20. To be victorious
21. A megananoamp (abbr)
23. Safety lab (abbr)
24. What dc does not do
28. Protective component that melts
30. By the way (abbr)
31. Unit of power
32. How AM BC signals travel by day (abbr)
33. Express of disdain for ignorance
35. Another abbreviation for 11  
Down
37. Slang for integrated circuit
38. Impurities added to semiconductors
41. Another abbreviation for CTCSS
43. Original US long-distance telephone company
45. Propagation via the atmosphere
47. Movement of charge
50. Cause a program to execute
52. Prefix of an Iberian country
53. Affirmative
55. Most common ac shape
56. Slow-to-corrode metal (abbr)
58. Popular vehicles at Field Day
60. Output power (abbr)

61. Load current (abbr)
63. Add 'l' to get a word that means "skinny"
64. What 'O' in MOS stands for
65. Weight (abbr)
67. Wrote quotes from ravens
69. What moves in wires
72. Come together
73. Long sparks
74. Designer of electronic stuff
75. Radiotelephone (abbr)

## **Down**

1. CW for "from"
2. Interrupt or Internal (abbr)
3. What an inductor looks like
5. CW prosign for "stand by"
6. Unit of potential
7. Material that gives off light when electrically stimulated (abbr)
8. Initials of the ship that was once the largest passenger liner ever built
9. To start in a known state (abbr)
10. Type of diode used for its reverse breakdowns
11. Telephone dialing tones (abbr)
13. Only stations from this continent may participate in ARRL Field Day
15. Diode used as a variable capacitor
18. Regret
19. Diode electrode noted by the bar marking
20. Person that invented the steam engine
22. Another word for "zero"
25. Broadcast band below AM BC (abbr)
26. Which way to orient a dipole for directivity north and south (abbr)
27. Early version of the Windows operating system
29. Component that's closed or open
30. Manufacturer of Miniboxes
34. Chemical producer of electrical energy
36. Critical to Field Day success (abbr)
37. These are heard in a pileup
39. Number (abbr)
40. Opposite direction of LP (abbr)
42. Amplifier type needed for AM signals
44. Protective component that opens
46. Top of the line Ten-Tec HF rig
48. Volatile memory type
49. Manufacturer of keys
51. In "balun", means "unbalanced"
54. November contest (abbr)
55. A ball-shaped object
57. The magic band's meters
59. Makes things go
62. Voltage on the ac grid
63. Haul or carry
64. Unit of resistance
66. Repair and maintain with care
67. Computer (abbr)
68. Type of bipolar transistor
70. CW for "and"
71. What the librarian says

# SOLUTION

	1	D	I	A	C	3	W	A	V	E	7	8	Q	U	9	Z	10	
11	D	E	N	O	N	12	13	N	S	O	L	15	V	E	16	N	E	
21	M	A	22	U	L	23	24	A	L	25	26	E	R	N	27	A	T	E
28	F	U	29	S	E	30	B	T	W	31	W	A	T	T	R	32	33	
37	C	H	I	P	D	38	O	P	A	39	N	T	S	40	P	41	L	42
43	A	T	T	B	44	D	45	T	R	O	P	46	O	47	I	48	49	N
L	L	H	E	A	52	A	53	Y	E	54	S	55	S	56	I	N	E	
56	S	S	57	C	58	A	M	P	E	59	R	S	60	P	O	A	61	
64	O	X	I	D	E	65	W	T	66	67	P	O	E	68	P	69	70	
72	M	E	E	T	73	A	R	C	S	74	E	E	75	P	H	76	77	