

Amateur Radio Crossword Puzzler

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It IS Rocket Science!

If you were fortunate enough to attend the Dayton Hamvention this year, you could have compounded your good fortune by attending one of astronaut Bill McArthur KC5ACR's talks. Among many other accomplishments, Bill was the first person ever to achieve DXCC from space during his sojourn on the International Space Station. And he's got a great sense of humor, too! In honor of Bill's achievements - and those of all the other astronauts - this puzzle looks skyward for its content. Ready? Three - two - one...

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Across

1. Craft attaching to each other
3. The final frontier
6. Less dense than liquids
9. Optical magnifier
11. What comes in after the old goes out
13. Hottest form of matter
15. Speed control
17. A small crater
18. Between WA and CA
19. Measure of solar activity (abbr)
20. Technical term for spacewalk (abbr)
22. Attraction between masses
23. Most important part of operator
25. Goes with 'bal'
26. Simple or not hard (slang abbr)
27. Measure of acidity
28. Mobile living quarters (abbr)
30. What makes up the atmosphere
32. Repeated travel around another body
34. Sequence leading to start of a space flight
37. CW abbr for AND
39. The alien that phoned home
40. Big size (abbr)
41. Once Canaveral, then Kennedy, now Canaveral again
43. Word meaning "of or in the sky"
45. Units of the speed of sound
46. State where the Mississippi empties into the Gulf of Mexico (postal code)
47. Video transmission (abbr)
48. Southern neighbor to the US (prefix)
49. Important part
51. There's a borealis and an australis
54. One part of a whole
57. Act or accomplish
58. Prefix meaning "opposite"
61. Program looking for little green men (abbr)
62. Gradual reduction in orbital height
64. Type of antenna design that

- optimizes for wide bandwidth (abbr)
66. Local ARES leader
67. Unit of time (abbr)
68. CW abbreviation for "everybody stand by except the requested station"
69. Word meaning "of or on the moon"

Down

1. Frequency shifting effect
2. Results from impact of a meteorite
3. Prevent leaks
4. Semiconductor junction
5. Small bodies orbiting between Mars and Jupiter
7. Nervous or jittery
8. Referring to one's own person
9. Abbreviation for the Apollo craft that landed on the Moon
10. Farthest visual range
12. Effect of gravity on a mass
14. Metal used in batteries (chemical symbol)
16. Travel while operating
21. Earth is one of these from the Sun (abbr)
24. Voltage gain (symbol)
27. Area of circle divided by the square of the radius
29. This body inhabits the Oort Cloud beyond Pluto
30. Orientation during flight
31. Spin about the direction of travel
33. Lightless color
35. Prevents mosquitos from entering Field Day station
36. Used to carry microwave energy (abbr)
37. Block the light from the Sun or Moon
38. On the Moon this is called a 'mare'
41. Location of Vandeburg AFB launch facility
42. Exclamation of relief
44. Olympian prefix
45. Average
48. Beyond UV
50. Type of airplane engine
52. The Earth is the third of these from the Sun
53. City thoroughfare (abbr)
55. Power cord plug standard
56. Old coalition of Russian entities
59. Atom missing one or more electrons
60. Unit of atmospheric pressure
62. Nation's capital (postal code)
63. One of something
65. Your puzzle editor's state of residence (postal code)

