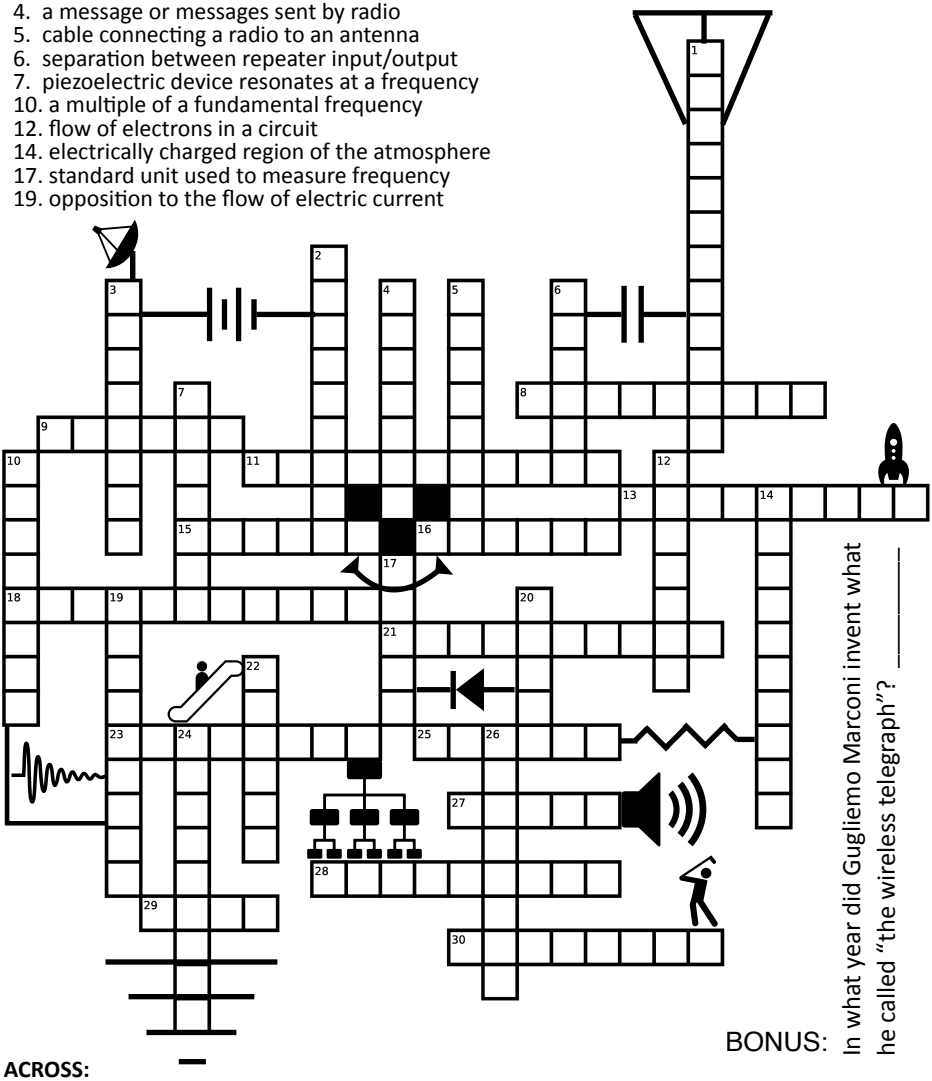
NEW ENGLAND SCI-TECH

Visit our booth in the Atrium for a large version of the puzzle and an answer key.

DOWN:

1. best ham radio convention in New England
2. a condition where XC = XL, a tuned circuit
3. a filter that passes a range of frequencies
4. a message or messages sent by radio
5. cable connecting a radio to an antenna
6. separation between repeater input/output
7. piezoelectric device resonates at a frequency
10. a multiple of a fundamental frequency
12. flow of electrons in a circuit
14. electrically charged region of the atmosphere
17. standard unit used to measure frequency
19. opposition to the flow of electric current
20. a term for voice modulation
22. circuit allows certain frequencies to pass
24. QSL cards and awards on the wall
26. ham term for Astatic D-104 microphone



BONUS: In what year did Gugliemo Marconi invent what he called "the wireless telegraph"? _____

ACROSS:

8. theoretical antenna used to calculate gain
9. basic unit of electrical current
11. receiver's ability to hear weak signals
13. transceiver capable of SSB, CW, AM, FM
15. slang for an amateur radio license
16. transmits 1-way signals for propagation use
18. test instrument used to observe wave forms
21. chatting informally via radio
23. satellite-to-earth communications
25. multiple stations calling a DX station
27. experienced ham tutors newer hams
28. stores energy in an electric field
29. unit of digital-signal speed
30. term for home-built radio equipment