

# The CQ Amateur Radio Hall of Fame

The CQ Amateur Radio Hall of Fame was established in January, 2001 to recognize those individuals, whether licensed radio amateurs or not, who significantly affected the course of amateur radio; and radio amateurs who, in the course of their professional lives, had a significant impact on their professions or on world affairs.

## 2001 Inductees

1. **Armstrong, Edwin Howard.** Laid the groundwork for modern radio through inventions such as the regenerative receiver, the superheterodyne receiver, and frequency modulation (FM).
2. **Bardeen, John.** Co-inventor of the transistor, the basis of all modern electronics.
3. **Brattain, Walter.** Co-inventor of the transistor.
4. **Clark, Tom, W3IWI (now K3IO).** Leading authority on Very Long Baseline Interferometry; amateur satellite pioneer, president of AMSAT, digital communications pioneer.
5. **Collins, Art, 9CXX/WØCXX.** Founder, Collins Radio Co.; set the standard for amateur radio equipment in the 1950s, '60s, and '70s.
6. **Cowan, Sanford.** Founding publisher, CQ magazine.
7. **DeForrest, Lee.** Invented the vacuum tube, basis for the growth of electronics and radio communication.
8. **DeSoto, Clinton, W1CBD.** QST Editor, originated DXCC, credited with keeping the ARRL alive during World War II, when amateur radio was shut down.
9. **Ferrell, Oliver P. "Perry."** Propagation expert, CQ editor and propagation columnist, founding editor of *Popular Electronics*; introduced propagation science to amateur radio.
10. **Fisk, Jim, W1HR/W1DTY.** Founding editor, *ham radio* magazine; set new standard for amateur radio technical publications.
11. **Gandhi, Rajiv, VU2RG.** Prime Minister of India.
12. **Garriott, Owen, W5LFL.** Astronaut, first ham to operate from space.
13. **Godfrey, Arthur, K4LIB.** Entertainer, TV host
14. **Goldwater, Barry, K7UGA.** U.S. Senator, 1964 Republican Presidential Candidate; amateur radio's leading proponent in Washington.
15. **Gonsett, Faust, W6VR.** Amateur radio author and technician, founder, Gonset Laboratories; brought affordable VHF equipment to amateur market.
16. **Green, Wayne, W2NSD.** Founding editor/publisher, 73 magazine; former CQ editor/columnist; published *Byte*, the first consumer computer magazine.

17. **Gross, Al, W8PAL.** Invented handheld radio transceiver (walkie-talkie), telephone pager, and cordless telephone.
18. **Hertz, Heinrich.** Set the stage for radio by proving that electricity can travel in waves, developing the concepts of frequency and wavelength. The Hertz is the international unit of frequency.
19. **Hoover, Herbert Jr., W6ZH.** U.S. Under-Secretary of State; ARRL President.
20. **Hussein Ibn Talal, JY1.** King of Jordan.
21. **Jacobs, George, W3ASK.** Radio propagation expert, CQ columnist for 50 years, amateur satellite pioneer. HF broadcast engineering expert, developed Voice of America's worldwide broadcasting system.
22. **Juan Carlos de Borbon, EAØJC.** King of Spain.
23. **Jue, Martin, K5FLU.** Founder and President, MFJ Enterprises; changed the way amateurs buy station accessories.
24. **Karn, Phil, KA9Q.** Developed basis for wireless internet communications by adapting Internet communications protocol (TCP/IP) for radio use;
25. **Kraus, John, W8JK.** Authority on radio astronomy, antennas; inventor of W8JK antenna.
26. **Krenkel, Ernst, RAEM.** Polar explorer, expedition communicator, Russian radio hero, made first Arctic-Antarctic radio contact. (Note: RAEM was Krenkel's amateur callsign.)
27. **Laine, Martti, OH2BH.** Telecommunications expert, noted DXer, DXpeditioner, has introduced or re-introduced amateur radio to several countries.
28. **LeKashman, Larry, W2IOP/W2AB.** President of ElectroVoice; manager at RCA, Lafayette, and Bogen; early CQ editor.
29. **LeMay, Gen. Curtis, W6EZV.** US Air Force Chief of Staff, 1968 Candidate for Vice President of the United States (American Independent Party).
30. **Leonard, Bill, W2SKE.** President of CBS News.
31. **Marconi, Guglielmo.** Developed radio into viable communications medium; experimented with short waves, UHF, and microwaves before most people knew they existed.
32. **Maxim, Hiram Percy, W1AW.** Co-founder, ARRL, founding editor, QST.
33. **McCoy, Lew, W1ICP.** Amateur radio writer, educated thousands about preventing TVI.

34. **Morse, Samuel F.B.** Developed the telegraph, the first viable electronic communication system.
35. **Orr, Bill, W6SAI.** Prolific amateur radio author, historian, *CQ* and *ham radio* magazine columnist, amateur satellite pioneer, editor of *Radio Handbook*.
36. **Potts, John.** Founding editor, *CQ* magazine.
37. **Reber, Grote, W9FGZ.** “Father” of radio astronomy.
38. **Scherer, Bill, W2AEF.** *CQ* Technical Director, developed antennoscope and brought grid dip meter to amateur radio.
39. **Senti, Eugene, WØROW.** As engineer for Collins Radio, invented the radio transceiver (transmitter and receiver in a single package, with shared circuitry).
40. **Shepherd, Jean, K2ORS.** Entertainer, radio host.
41. **Shockley, William.** Co-inventor of the transistor.
42. **Stoner, Don, W6TNS.** Amateur radio writer, *CQ* columnist, amateur satellite pioneer.
43. **Sumner, Dave, K1ZZ.** ARRL Executive Vice President, noted DXer and contesteer; has guided amateur radio through several World Radio Conferences.
44. **Taylor, Joe, K1JT.** Physicist, discovered binary pulsars, for which he won (along with Russell Hulse, ex-WB2LAV) the Nobel Prize for Physics.
45. **Tesla, Nikola.** Developed alternating current as means of efficiently generating and distributing electricity; also invented HF generators and the Tesla coil. Is said by some to have beaten Marconi in the development of radio itself. The Tesla (T) is the international unit of magnetic flux density (magnetic field).
46. **Tuska, Clarence, 1AY.** Co-founder, ARRL.
47. **Uda, Shintaro.** Co-inventor (with Hidetsugu Yagi) of Yagi-Uda antenna.
48. **Vail, Alfred.** Built Morse’s first telegraph, developed the code that bears Morse’s name.
49. **Weil, Danny, VP2VB.** Popularized DXpeditioning.
50. **Yagi, Hidetsugu.** Co-inventor (with Shintaro Uda) of Yagi-Uda antenna

### 2002 Inductees

51. **Baran, Paul, W3KAS.** Invented packet switching, basis of Internet and other modern communication networks; developed first telemetry equipment for NASA
52. **Beverage, Harold, W2BML.** Inventor, Beverage antenna.

53. **Black, Gene, W2LL.** Former Editor, CQ.
54. **Brier, Herb, W9EGQ/W9AD.** Amateur radio writer, educator, mentor.
55. **Browning, Gus, W4BPD.** Noted DXer/DXpeditioner.
56. **Bruninga, Bob, WB4APR.** Developer of APRS (Automatic Position Reporting System).
57. **Campbell, Laird, W1HQ/W1CUT.** ARRL Asst. General Manager and QST Managing Editor; first amateur to use transistorized transmitters on 160, 40, and 20 meters.
58. **Clark, Vic, W4KFC.** Noted DXer, contester, ARRL President.
59. **Clegg, Ed, W3LOY/W2LOY/W8LOY.** VHF radio designer; founder, Clegg Communications.
60. **Colvin, Iris, W6QL.** Noted DXer, DXpeditioner, with husband, Lloyd, W6KG.
61. **Colvin, Lloyd, W6KG.** Noted DXer, DXpeditioner, with wife, Iris, W6QL.
62. **Dannals, Harry, W2HD.** Former president, ARRL, QCWA.
63. **DeMaw, Doug, W1FB.** Amateur radio writer.
64. **Drake, Robert L., W8CYE.** Founder, R. L. Drake Co.
65. **Eitel, William, W6UF.** Co-founder, Eimac, with Jack McCullough, W6CHE.
66. **Ercolino, Mike, W2BDS.** Inventor, double-V TV antenna; founder, Telrex Antennas.
67. **Goodman, Byron, W1DX.** ARRL Technical Director; author, *Antenna Handbook*.
68. **Grammer, George, W1DF.** Editor, *ARRL Handbook*.
69. **Halligan, Bill, W9AC.** Founder, Hallicrafters.
70. **Handy, F. E. (Francis Edward), W1BDI.** Communications Manager, ARRL; originated ARRL Field Day and Sweepstakes events, A-1 Operator Club.
71. **Harris, Sam, W1FZJ.** VHF pioneer, QST columnist; made first EME contact, engineered Arecibo radiotelescope.
72. **Hull, Ross, 3JU** (Australian call). QST Associate Editor, VHF pioneer.
73. **Inoue, Tokuzo, JA3FA.** Founder and president, ICOM; brought many innovations to amateur marketplace.
74. **Jones, Frank, W6AJF.** Writer, author of first *Radio Handbook* in 1930s.

75. **Kahn, Al, K4FW.** Founder, ElectroVoice; co-founder, Ten-Tec.
76. **Klein, Perry, W3PK.** Amateur satellite pioneer; first president of AMSAT.
77. **Kretzman, Byron, W2JTP.** RTTY and FM pioneer, longtime CQ RTTY Editor and author.
78. **Lawson, Jim, W2PV.** Legendary contester, amateur radio writer.
79. **Martinez, Peter, G3PLX.** Digital pioneer, developed AMTOR and PSK-31.
80. **Maxwell, James Clerk.** Developed equations explaining relationship between electricity and magnetism; determined that electromagnetic fields propagate at the speed of light, suggesting that light is an electromagnetic phenomenon.
81. **McCullough, Jack, W6CHE.** Co-founder, Eimac, with William Eitel, W6UF.
82. **Meyerson, Leo, WØGFQ.** Founder, World Radio Laboratories.
83. **Millen, James, W1HRX.** Product engineer, National Radio, developed HRO receiver and designed its unique dial; founder, James Millen Co.
84. **Moran, Fr. Marshall, 9N1MM** - Jesuit priest, educator, and, for years, the only active amateur, in Nepal.
85. **Murgas, Fr. Josef.** Radio pioneer; some say Marconi used his methods for effective overland radio communication; holds 17 patents, including rotary spark gap.
86. **Newell, Dick, AK1A.** Invented Packet Cluster; changed face of DXing; wide application in public service communication.
87. **Newkirk, Rod, W9BRD.** QST DX Editor, 1948–78; credited with first use of term “Elmer” for a ham who helps others.
88. **Nose, Katashi, KH6IJ.** Noted DXer and CW contester; antenna expert.
89. **Reinartz, John, 1QP/1XAM.** Invented first practical CW tuner and other circuits; introduced propagation science to amateur radio; participant in 1923 transatlantic tests, radio operator for 1925 MacMillan Arctic Expedition.
90. **Tenney, Skip, W1NLB.** Founding publisher, *ham radio* magazine.
91. **Tilton, Ed, W1HDQ.** VHF pioneer, QST columnist.
92. **Towns, Chuck, K6LFH.** Amateur satellite pioneer; OSCARs I & II built in his garage.
93. **Vidmar, Matjaz, S53MV.** Designer/builder of high-speed (11 MB/s) amateur digital network, several AO-40 satellite components, VHF/UHF/microwave radios.
94. **Windom, Gen. Loren, W8GZ.** Inventor, Windom antenna.

## 2003 Inductees

95. **Baldwin, Dick, W1RU.** As General Manager of the ARRL from 1975–1982, led the ARRL delegation to the 1979 World Administrative Radio Conference (WARC-79), which resulted in the creation of new amateur bands at 10, 18, and 24 MHz. Responsible for much of the behind-the-scenes building of international support for the new bands. President of International Amateur Radio Union (IARU) from 1982–1999.

96. **Bartlett, Forrest, W6OWP.** For over 50 years beginning in 1948, as a volunteer, programmed and transmitted ARRL CW “West Coast Qualifying Run” for those unable to copy W1AW to help promote code proficiency among his fellow hams.

97. **Cronkite, Walter, KB2GSD.** Retired anchor and Managing Editor of the CBS Evening News, a position in which he became “the most trusted man in America.”

98. **Denniston, Bob, VP2VI/WØDX.** Leader of the first modern DXpedition (“Gon-Wacky”) in 1948; pioneer in 160 meter DXing; ARRL President, 1966–1972; IARU President, 1966–1974.

99. **Eaton, Noel, VE3CJ.** First non-U.S. president of IARU; led IARU delegation to WARC-79, helped build international support for new ham bands at 10, 18, and 24 MHz. Active DXpeditioner from the Caribbean long before such operations became commonplace.

100. **Elias, Antonio, KA1LLM.** Executive Vice President and General Manager for Advanced Sciences, Orbital Sciences Corp. Led technical team that designed and built the air-launched Pegasus booster as well as the X-34 hypersonic research vehicle. Elected to the National Academy of Engineering in 2002 in recognition of his “conception and execution of a new generation of Earth-orbit transportation systems.”

101. **Hara, Shozo, JA1AN.** President of Japan Amateur Radio League (JARL) for over 30 years. Helped guide development of amateur radio in Japan, which has more licensed amateurs than any other country.

102. **Hasegawa, Sako, JA1MP.** Founder of Yaesu Musen Co. (now Vertex Standard); pioneered technology leading to the modern SSB transceiver; introduced first AC/DC HF SSB transceiver, FT-101; first 2-meter mobile rig with memory and first synthesized, scanning, 2-meter handheld.

103. **Hawker, J.P. (Pat), G3VA.** Editor of “Technical Topics” column in Radio Society of Great Britain’s magazine, *RadCom* since 1958; contributor to several editions of the RSGB’s *Handbook and A Guide to Amateur Radio*, of which he has also been Editor since 1958; prolific writer on radio and electronics for various magazines.

104. **Johnson, Glenn, WØGJ.** Orthopedic surgeon active as volunteer in Orthopedics Overseas, training physicians in medically underserved areas such as Bhutan in orthopedic surgery techniques. Also very active DXer from various locations around the world. Helped with re-establishment of amateur radio in Bhutan.

105. **Neal, Roy, K6DUE.** As science correspondent for NBC News, was instrumental in persuading officials at NASA to allow amateur radio operation from space; key organizer

of SAREX, Shuttle Amateur Radio EXperiment (now Space Amateur Radio EXperiment) coordinating group; active in production of various amateur radio promotional videos.

106. **Rouleau, Bob, VE2PY.** First to modify commercial digital communications protocol for amateur use, leading to development of amateur packet radio. Part of group of five hams who developed the Montreal Protocol in 1978, which was the first attempt at an amateur packet protocol. Founder, President, and CEO of Dataradio, Inc., which provides mobile data systems to the public-safety community and even has equipment on Mars, transmitting data from lander to Sojourner on Pathfinder mission.

107. **Smith, Ethel, K4LMB.** Co-founder and first President of YLRL, Young Ladies Radio League. Creation of organization was spurred by a letter from Ethel published in QST in 1939.

108. **van de Nadort, Lou, PAØLOU.** Chairman of IARU Region 1 (Europe and Africa) from 1975–2002; oversaw regional initiative to expand amateur radio in Africa; guided region through tumultuous times after fall of communism and breakup of Soviet Union in late 1980s/early 1990s.

109. **West, Gordon, WB6NOA.** Personally responsible for licensing thousands of new amateurs through his classes; inspired thousands more through his license manuals, club talks, and articles for various amateur magazines.

#### **2004 Inductees**

110. **Burchfield, Jack, K4JU.** Co-founder of Ten-Tec, along with Al Kahn, K4FW (inducted 2002).

111. **Carman, Ned, WØZSW.** Co-founder of Handi-Hams, program to encourage people with disabilities to become radio amateurs and to help them get licensed and on the air.

112. **Clarricoats, John, G6CL.** Radio Society of Great Britain General Secretary, 1932–1963; RSGB magazine editor, 1937–63.

113. **Heil, Bob, K9EID.** Revolutionized audio in rock music live performances, amateur radio; tireless promoter of amateur radio.

114. **Kneitel, Tom, K2AES.** Prolific writer/editor on various radio topics; columnist for *Popular Electronics* and *Electronics Illustrated*; editor of *CB Radio* and *S9* magazines; founding editor of *Popular Communications*; author of numerous radio books.

115. **Milosevic, Hrane, YT1AD.** Noted DXer and DXpeditioner; President, Radio Amateur Union of Serbia and Montenegro.

116. **Nurse, David, W8GCD.** President, Heath Co., 1965–1980; led the company through the heyday of the “Heathkit” era in amateur radio.

117. **O’Laughlin, Sister Alverna, WAØSGJ.** Co-founder of Handi-Hams, program to encourage people with disabilities to become radio amateurs and to help them get licensed and on the air.

118. **Oms, Atilano de, PY5EG.** Leader in amateur radio in South America, noted DXer and contester, organized several major contest DXpedition stations.

119. **Pasternak, Bill, WA6ITF.** Producer, "Amateur Radio Newslines" for over 25 years; founder and sponsor of the "Newslines Young Ham of the Year" Award program.

120. **Pluvinet Grau, Miguel, EA3DUJ.** Longtime editor, *CQ Radio Amateur* (Spanish CQ); established credibility and reputation of magazine, which is a mix of original material and translations from the English-language version.

121. **Rohde, Ulrich, DJ2LR/N1UL.** Prolific technical author, engineer, businessman.

122. **Sevick, Jerry, W2FMI.** Author, authority on transmission line transformers.

123. **Shrader, Bob, W6BNB.** Author, electronics expert; literally "wrote the book" on *Electronic Communications*.

124. **Villard, Jr., Oswald Garrison "Mike," W6QYT.** SSB pioneer, meteor scatter pioneer, invented over-the-horizon radar, developed "stealth" technology.

### 2005 Inductees

125. **Ambrosi, Mario, I2MQP.** Prominent Italian amateur, author of many radio books, QSL manager, top official of Italian national amateur radio association and Editor of its magazine, *Radiorivista*.

126. **Chambers, John, W6NLZ.** With KH6UK, proved the existence of the California-Hawaii VHF/UHF propagation "duct," completing the first 2-meter contact over the 2500-mile path in 1957.

127. **Cohen, Ted, N4XX.** CQ author for more than 30 years, including many "CQ Interviews" with top federal officials; propagation expert and co-author of *The NEW Shortwave Propagation Handbook*; authored the first federal RFI bill to become law (for which he was awarded the ARRL's Technical Merit Award in 1975).

128. **Ferraro, Bob, W6RJ.** President of Ham Radio Outlet, major supporter of many DXing and contesting activities, including all of the World Radio TeamSport Championships to date.

129. **Hargreaves, William "Bud," K4HMY.** "Father of the Polycomm," designed (among other radios) the first combined 6- and 2-meter transceiver and the first VHF transceiver with a built-in VFO.

130. **Harris, Chod, VP2ML.** Noted DXer, Founding Editor/Publisher of *DX Magazine*; CQ DX Editor.

131. **Harrison, Ivan "Sonny," W5HBE.** Developed the "Carterphone" phone patch to connect radios to the telephone network, leading to the U.S. Supreme Court's "Carterphone" decision, which opened the door for connecting all sorts of devices, including computers and modems, to the telephone network. This paved the way for widespread internet and e-mail access via "dialup" connections.



132. **Marriner, Edmund, W6BLZ/W6XM.** Author of dozens of construction project articles in *CQ*, particularly about antennas and surplus conversion.
133. **Meshevtsev, Boris, RV3IZ/EX3TM.** Prominent (blind) Russian contester, DXer, and author of radio books; also professional musician.
134. **Moxon, Les, G6XN.** Antenna developer, author of highly-regarded books on HF antennas and “Modern Radio Technique.”
135. **Sigmon, Loyd, W6LQ.** Developed first radio traffic alert system, “SigAlert,” in Los Angeles; precursor of today’s radio traffic reports.
136. **Smith, Phillip, 1ANB.** Inventor of the Smith Chart for determining transmission-line impedances, still an essential tool for RF engineers and the basis for computer programs performing the same tasks. Also invented the cloverleaf FM broadcast antenna, and a transmission line matching stub, among his 20 patents; was also an early radar engineer.
137. **Taylor, Jonathan, K1RFD.** Developer of Echolink, Voice over Internet Protocol (VoIP) network for linking repeaters and individual amateurs via the internet.
138. **Thomas, Ralph, W2UK/KH6UK.** With W6NLZ, proved the existence of the California-Hawaii VHF/UHF propagation “duct,” completing the first 2-meter contact over the 2500-mile path in 1957.

### 2006 Inductees

139. **Bell, Art, W6OBB.** Syndicated radio talk show host, regularly promotes ham radio in his broadcasts.
140. **Burdine, Walt, W8ZCV.** Former *CQ* Novice editor (1955–1957, 1962–1966); “elmered” thousands of new hams.
141. **Cossiga, Francesco, IØFCG.** former President of Italy.
142. **Cushman, Les, W1BX.** Founder, Cushcraft Antennas.
143. **Dorhoffer, Alan, K2EEK.** Editor, *CQ*, 1976–1999.
144. **England, Tony, WØORE.** Second ham to operate from space.
145. **Ensor, Marshall, W9BSP.** Helped track down German “Wolf Pack” submarines during WW II by refining radio direction-finding (RDF) techniques; taught code and theory to thousands of future hams via nightly “radio by radio” course over the air, 1929–1939.
146. **Evans, Clif, K6BX.** Inspired sub-hobby of certificate-chasing; founded Certificate Hunters’ Club (CHC) and developed the USA Counties Award with *CQ* magazine.

147. **Fessenden, Reginald, VP9F.** Father of radiotelephony; 2006 marked the centennial of the first wireless voice broadcasts.
148. **Hulse, Russell A., ex-WB2LAV.** Shared 1993 Nobel Prize in Physics with Joe Taylor, K1JT (inducted 2001), for discovery of binary pulsars.
149. **Johnson, Edgar F., 9ALD.** Founder, E.F. Johnson Co., major manufacturer of ham equipment in 1950s and '60s.
150. **Kaul, Alan, W6RCL.** Producer, NBC Nightly News; has covered many of the major news stories of the past 25 years; longtime contributor to amateur radio promotional videos.
151. **Koerner, Wolfram "Felix," DL1CU.** Major player in rebirth of amateur radio in Germany after WW II; co-founder, DARC; first Editor & Publisher, *DL-CQ* magazine; later Editor & Publisher, independent *QRV* magazine.
152. **Prasad, Bharathi, VU2RBI.** Organized and coordinated the Andaman Islands DXpedition in 2004 that turned into massive emergency communications effort in the wake of the Indian Ocean tsunami.
153. **Reeves, Hazard "Buzz," K2GL.** Founder, Reeves Soundcraft, one of the major manufacturers of magnetic recording tape for many years; President, Cinerama; developed method of affixing strip of magnetic oxide to movie film, making it possible to record pictures and sound simultaneously on one piece of film. Best known in ham radio as a major contender, first inductee into CQ Contest Hall of Fame, 1986.
154. **Rogers, Glynn "Buck," K4ABT.** Former CQ Packet Editor, helped popularize packet radio, packet networking, and amateur radio digital communications.
155. **Rutan, Dick, KB6LQS.** Aviation pioneer; completed first non-stop, non-refueled flight around the world aboard "Voyager" in 1986.
156. **Sando, Louisa B., W5RZJ.** Longtime CQ YL Editor and proponent of women's involvement in amateur radio; also wife/widow of Clinton B. DeSoto, W1CBD (inducted 2001).
157. **Spenceley, Dick, KV4AA.** CQ DX Editor, 1952–1957, provided first DX contact for thousands of hams from his station in the U.S. Virgin Islands.
158. **Sterman, Terry, W9DIA.** Founder, Amateur Electronic Supply.
159. **Trossman, Arne, W2DTJ.** Former CQ Editor, helped develop Cosmophone, early amateur SSB transceiver.

### 2007 Inductees

160. **Catona, Phillip, W2JAV (SK).** RTTY pioneer, inventor of the modern-day terminal unit.

161. **Flaherty, Paul, N9FZX (SK)**. Co-inventor of Alta Vista search engine.
162. **Geloso, John, I1JGM**. Italian amateur radio manufacturer.
163. **Griffin, Michael, NR3A**. NASA Administrator.
164. **Hillier, James, ex-VE3SH (SK)**. Co-inventor of scanning electron microscope; former head of RCA Labs.
165. **Johnson, Herb, W6KQI (ex-W7GRA) (SK)**. Founder of Swan Electronics.
166. **Lewallen, Roy, W7EL**. Developer of EZ-NEC antenna modeling software.
167. **Lindquist, Rick, N1RL**. As ARRL Senior News Editor, he has been responsible for the past decade for keeping the amateur community updated on new developments via the *ARRL Letter* and the ARRLWeb news pages.
168. **MacDonald, Copthorne, VY2CM**. Developer of slow-scan TV (SSTV), author, philosopher.
169. **McArthur, Bill, KC5ACR**. Astronaut who set various ham radio operating records from the International Space Station, including being the first person to complete DXCC from orbit.
170. **Miller, Don, W9NTP**. SSTV pioneer; developed (with KB9VAK) the first high-definition digital SSTV protocol and program.
171. **Tristao, Louis, KG6VY (SK)**. Inventor of the crank-up tower.
172. **Tucker, Durward J., W5VU (SK)**. Helped promote and popularize RTTY in the 1950s; oilman and Managing Director of WRR Radio, Dallas.
173. **Weiss, Adrian (Ade), WØRSP (ex-K8EEG)**. Leading proponent and promoter of QRP (low-power communications) in the 1970s and '80s.
174. **Winder, Farrell, W8ZCF**. Transmitted first SSTV signals to MIR space station. Active with MAREX (MIR Amateur Radio EXperiment) and Suitsat-1 planning teams.

### 2008 Inductees

175. **Bertels, Gaston, ON4WF**. Honorary President, former President & CEO, UBA (Belgian IARU society); founder & President, AMSAT Belgium; Chairman, ARISS Europe; Vice-Chairman, ARISS International; Chairman, EUROCOMM, IARU Region 1 working group in European Union; "father" of ham antennas on Columbus ISS module.
176. **Cebik, L.B., W4RNL (SK)**. Noted antenna authority, prolific author on topics relating to antennas and antenna modeling.

177. **England, Gordon, ex-W3AWO.** Deputy Secretary of Defense; former Secretary of the Navy; former defense industry executive.

178. **Giambastiani, Adm. Edmund, N4OC.** Retired Vice Chairman, Joint Chiefs of Staff.

179. **Griffin, Gerald, MD, K6MD.** Brigadier General, Medical Corps, US Army (Ret.), led medical brigades and humanitarian missions in Iraq (Desert Storm), Bosnia, Kosovo, Iraq (again); National Surgeon, Reserve Officers' Association; Delegate to NATO medical advisory committee; active DXer & MARS member.

180. **Harris, Larnelle, WD4LZC.** Gospel singer/songwriter; inducted Gospel Music Hall of Fame, 2007; winner of multiple music awards, including five Grammy awards and 11 Dove awards.

181. **Jensen, Lenore, W6NAZ (SK).** Co-Founder, Young Ladies' Radio League (YLRL); made 67,000 MARS phone patches for service personnel in Vietnam.

182. **Kanzius, John, K3TUP.** Inventor of possible cure for cancer using RF energy; process for possible use of seawater as fuel.

183. **Margelli, Charles (Chip), K7JA.** During many years with Yaesu, helped provide equipment for countless DXpeditions; member of many DXpeditions; successfully represented hams in Morse code vs. text-messaging competition on "The Tonight Show with Jay Leno" in 2005.

184. **Rand, Philip S., W1DBM (SK).** TVI pioneer; author, Television Interference; engineer, Remington-Rand (son of one of the founders); author, many articles in CQ and QST.

185. **Redd, Vice Adm. Scott (Ret.), KØDQ/A92Q.** Former Director, National Counterterrorism Center; Former Executive Director, U.S. commission on weapons of mass destruction in Iraq; Former Deputy Administrator, Coalition Provisional Authority in Iraq; Retired Commander, US Fifth Fleet; active contester and DXer.

186. **Tether, Dr. Tony, K2TGE.-** Director, Defense Advanced Research Projects Agency (DARPA).

187. **Touré, Dr. Hamadoun I., HB9EHT.** Secretary-General, International Telecommunication Union (ITU).

188. **Townsend, Dr. John, W3PRB.** Space program pioneer; former Director, Goddard Space Flight Center; former Associate Deputy Administrator, NASA; former Associate Administrator, NOAA; former President, Fairchild Space Co.

## 2009 Inductees

189. **Baker, Bill, W1BKR.** President Emeritus, WNET-TV (Thirteen), New York PBS flagship station.

190. **Barton, Loy**. Developed class B plate modulation, primary method of modulating tube transmitters for decades.

191. **Bauer, Frank, KA3HDO**. NASA Chief Engineer for Exploration Systems; International Chairman, Amateur Radio on the International Space Station (ARISS), 1996–2009; AMSAT VP Human Spaceflight, 1991–2009.

192. **Bridges, William, W6FA**. Laser pioneer; developed first “noble gas” lasers (argon, krypton, xenon) and the dominant modulation system for feeding data into fiber-optic cables; Professor Emeritus of Engineering at CalTech.

193. **Fernandez Martin, Fernando, EA8AK**. Member of the European Parliament, representing Spain, 1994-present; former President of the Government of the Canary Islands, former President of URE (Spanish IARU organization).

194. **Floyd, George, WA4DGA (SK)**. Author of “Scratchi” column in CQ over four decades. An engineer and executive at General Electric, he also wrote (also pseudonymously) the “Lighthouse Larry” column in GE employee newsletters.

195. **Haseltine, Eric, AB3DI**. Former Associate Director of National Intelligence for Science and Technology; former Director of Research, National Security Agency; former Executive Vice President of Research and Development, Walt Disney Companies.

196. **Hollingsworth, Riley, K4ZDH**. Former Special Counsel for Amateur Radio, Federal Communications Commission. “Cleaned up” the ham bands after 15 years of neglect by the FCC.

197. **Kilby, Jack**. Inventor of the integrated circuit, which revolutionized electronics, including amateur radio equipment.

198. **Krischke, Alois, DJØTR**. Prolific German author of antenna books. Rothammels Antennenbuch, a 1000-page reference showing virtually every amateur radio antenna ever designed, is in its 12th edition.

199. **Maxwell, Walt, W2DU**. Antenna designer (specializing in spacecraft communications) and author.

200. **Miller, Lt. Gen. Thomas, K4IC (SK)**. Deputy Chief of Staff for Aviation, USMC (1975–79), in charge of all Marine Corps aviation; “father” of short-takeoff & vertical landing (STOVL) aviation in the USMC. Close friend of Sen. John Glenn; quietly watched out for amateur radio interests on Capitol Hill.

201. **Morgan, Wilse, WX7P**.— Conducted first amateur radio license exam session under the Volunteer Examiner program in 1984; helped get VE program approved; also designed innovative antennas.

202. **Parise, Ron, WA4SIR (SK)**. Astronaut and active ham in space. First ham to operate packet radio from space and pioneered “telebridge” concept for making more frequent school-shuttle contacts possible. Also helped develop Radio JOVE, an educational program for monitoring natural radio signals from Jupiter.

203. **Whitehead, Clay, W6WW (SK)**. First Director of the White House Office of Telecommunications Policy in the 1970s; reshaped America's television landscape by bringing competition to the domestic satellite market and making it feasible for cable companies to distribute their own programming via satellite.

### 2010 Inductees

204. **Buchanan, Chester W3DZZ (SK)**. Developer of the W3DZZ triband trapbeam, very popular with hams in the 1950s and '60s.

205. **Cotner, Calvin K4JSI**. Retired Director of Operations for Comsat World Systems, awarded the 2009 Aerospace Communications Award from the American Institute of Aeronautics and Astronautics for "technical and strategic leadership" in international cooperation in satellite communications from the earliest days to the present.

206. **Dana, Forrest, 4AGR**. Early Army Amateur Radio System member who (with Ralph Hollis, 4AFC) provided critical communications after the Caribbean hurricane of 1928, maintaining a link with the War Department and providing information that brought help from the Army and the Red Cross (2010 is the 85th anniversary of AARS, the predecessor of MARS).

207. **Harlan, Gene WB9MMM (SK)**. Amateur radio magazine publisher. Editor/Publisher, *ATV Quarterly*; founder, *Cyberham* magazine.

208. **Hart, George W1NJM**. Former ARRL Communications Manager; chief developer of the National Traffic System.

209. **Hollis, Ralph 4AFC**. See entry above for Forrest Dana, 4AGR.

210. **Ingram, Dave K4TWJ (SK)**. Prolific ham radio author; Contributing Editor, *CQ* magazine, 1982–2010, covering a wide variety of topics and transmitting through the printed word his unquenchable enthusiasm for ham radio.

211. **Kangas, Paul W4LAA**. Business news anchor on PBS for 30 years; known as the "Walter Cronkite of business news."

212. **Patz, Dr. Arnall ex-WA3EVC**. Ophthalmologist who discovered and eliminated a major cause of blindness in premature babies.

213. **Schmidt, Howard W7HAS**. First White House Cyber-security Coordinator. Previously served in Bush administration as Vice Chairman of the Critical Infrastructure Protection Board and a special adviser to the president for cyberspace security.

214. **Schneider, Bill K2TT**. Chairman, Defense Science Board, a federal advisory committee providing independent advice on scientific matters to the Secretary of Defense; Under Secretary of State for Security Assistance, Science, and Technology during the Reagan administration.

215. **Smith Jim, VK9NS (SK)**. Noted DXer and DXpeditioner, author; longtime member of the CQ DX Hall of Fame.

216. **Smith, George AA2EJ.** Inventor of the CCD (charge-coupled device) sensor, which revolutionized digital imaging; co-recipient of the 2009 Nobel Prize in Physics

217. **Stenning, Mark AA1AC.** CEO, International Tennis Hall of Fame, Newport, Rhode Island

218. **Wilson, George W4OYI (SK).** ARRL President Emeritus; ARRL President 1992–95; led ARRL portion of effort to create vanity callsign program.

## 2011 Inductees

219. **Bell, Dave, W6AQ**—Hollywood TV/film producer; deeply involved in producing multiple amateur radio promotional videos over several decades.

220. **Brightman, Nate, K6OSC**—The “spark” behind W6RO, the ham station aboard the *Queen Mary* in Long Beach, CA. Through Nate’s efforts with the station, millions of people have been introduced to amateur radio and thousands of hams have had the opportunity to operate from a high-profile station. (He has also been heavily involved with Red Cross disaster communications in Long Beach, spearheaded ham radio involvement in the Long Beach Marathon, brought demo stations to all branches of the Long Beach Public Library, and taught amateur radio to visually impaired teenagers.)

221. **Ensor, Loretta, W9UA (SK)**—Sister of 2006 inductee Marshall Ensor, W9BSP; together they aired lessons on Morse code and radio fundamentals over the radio between 1929 and 1941, and were responsible for helping to get at least 900 new amateurs licensed (a huge number, considering that in 1935 there were only 35,000 licensed hams in the U.S.). She was also one of the founding members of YLRL—the Young Ladies’ Radio League—and a noted DXer of her time.

222. **Gunderson, Bob, W2JIO (SK)**—Blind ham who was Editor and Publisher of *The Braille Technical Press* in the 1950s; at the time, it was the only monthly electronics magazine for the blind. Also radio-electronics teacher for 37 years at the NY Institute for the Education of the Blind, recipient of GE’s Edison Radio Amateur Award for meritorious public service in 1955; developed many pieces of electronics test equipment for the blind. He also appeared on the TV program “This is Your Life,” but is perhaps best known as the “answer man” at Hudson Radio on New York’s Radio Row, where he worked three days a week as a technical advisor and consultant for the customers.

223. **Mahony, Cardinal Roger, W6QYI**—Archbishop Emeritus of Los Angeles, advocate for immigration reform.

224. **Margolis, Sylvia (no call) (SK)**—Prolific CQ humor writer in the 1960s and early '70s; first public relations officer for Radio Society of Great Britain.

225. **McElroy, Ted (no call) (SK)**—World champion radiotelegrapher and key manufacturer. Commercial telegrapher; still holds the telegraphy speed record of 77 wpm, set in a 1939 competition; manufactured namesake McElroy keys and bugs that were popular among hams before and after WW II, and are still popular among collectors today.

226. **Moorefield, Ron, W8ILC**—One of the guiding lights of the Dayton Hamvention® for at least the past 30 years; national ham radio coordinator for the 1984 Olympic Torch Relay from New York to Los Angeles; also a noted DXer and DXpeditioner; very active in public service in Dayton area and beyond.

227. **Raff, Malcolm, WA2UNP (SK)**— Astrophysicist, aerospace engineer and biotechnologist; developed some of the earliest DNA sequencing techniques and contributed software to the human genome project.

228. **Schmieder, Robert, KK6EK**—Noted DXer and DXpeditioner, physicist, and ecologist. Worked for 25 years at Sandia National Laboratories; founder and Expedition Leader of Cordell Expeditions, research group responsible for the creation of the Cordell Bank National Marine Sanctuary; author of books on island ecology and amateur radio DXpeditions. He has had a Pacific rock formation and several types of marine life named for him.

229. **Stodola, E. King, W2AXO (SK)**— The “father” of EME (Earth-Moon-Earth communications). Pioneer in development of radar; scientific director of the team that sent radar signals to the moon in 1946 and received them back on Earth. These first radio signal echoes off the moon proved that radio signals could pass through the ionosphere in both directions helped pave the way for communication satellites and advances in radio-astronomy.

230. **Taflove, Allen, WA9JLV**—Professor of Electrical Engineering and Computer Science at Northwestern University and a leading authority in the field of computational electrodynamics. He is one of the principal pioneers of numerical methods for solving Maxwell’s equations and his research and methods form the foundation on which many of today’s electromagnetic modeling software suites are based, including programs for antenna modeling and high-speed analog and digital circuit simulation. 2010 Distinguished Educator Award from the IEEE Antennas and Propagation Society. Trustee of Northwestern U. Amateur Radio Society station W9BGX.

## 2012 Inductees

231. **George Badger, W6TC (SK)**. An expert in tubes and tube circuit designs; Marketing Director of Eimac and later President of Svetlana. Badger was also an active DXer and wrote many technical articles for the amateur media.

232. **Bill Brown, WB8ELK**. “Father” of amateur radio high-altitude ballooning. His work has blossomed into “nearspace” programs not only among hams, but at many universities around the nation.

233. **Robert Brown, NM7M (SK)**. Expert on 160-meter propagation, author for *CQ* and other publications; retired UC Berkeley physics professor.

234. **Evelyn Gauzens, W4WYR**. Chair of the Miami “Tropical Hamboree” hamfest for 45 years; ARRL Southeastern Division Vice Director, Honorary Vice President; active proponent of improved amateur radio public relations; principal on-site organizer (on behalf of ARRL as host society) of 1976 IARU Region 2 conference in Miami Beach.

235. **Richard Garriott, W5KWQ**. Videogame designer, civilian space traveler, very active on amateur radio from International Space Station; younger half of first U.S. father-son team to travel in space. (His father is Owen Garriott, W5LFL, the first astronaut to operate amateur radio from space, and a 2001 Amateur Radio Hall of Fame inductee.)

236. **William W. Hansen (no call, SK)**. “Father of Microwave Electronics.” Invented technology such as the cavity resonator and the klystron tube, with made microwave communications possible; collaborator in development of the first linear accelerator and nuclear magnetic resonance, basis for MRI medical imaging.



**237. Richard Kirby, ex-WØLCT/ HB9BOA (SK).** Director of the ITU's International Radio Consultative Committee (CCIR), 1974–1995—helped to develop global standards for HDTV, digital audio broadcasting, mobile and satellite communications; previously Director of the Institute of Telecommunication Sciences; Associate Director of the US Dept. of Commerce Office of Telecommunications; Chief of Ionospheric Research, National Bureau of Standards, also Chief of Radio Communications Systems Division.

**238. Fred Maia, W5YI (SK).** One of the architects of VE program, first FCC designated VEC; editor/publisher *W5YI Report*; long-time *CQ* columnist.

**239. Steve Mendelsohn, W2ML (SK).** Communications Director, New York City Marathon, 1976–present; former ARRL First Vice President, Director— led ARRL Part 97 rewrite effort in late 1980s (most of which was adopted); New York Jets frequency coordinator— uncovered New England Patriots audio “spying” scandal.

**240. Larry Mulvehill, WB2ZPI.** Photo journalist who has covered major news events around the world for more than 50 years; *CQ* cover photographer for over 30 years.

**241. Rowley Shears, G8KW (SK).** Founder of KW Electronics in the UK; helped re-establish amateur radio in Germany after World War II.

**242. Mike Staal, K6MYC.** Antenna expert, co-founder of KLM and M2 Antennas.

**243. Frederick Terman (ex-6FT, W6AE, W6XH) (SK).** Microwave pioneer, partner with William Hansen (see above) in developing microwave communications and linear accelerator.

**244. Patrick Tice, WAØTDA.** Manager, Courage HandiHam System, for more than 20 years; through this organization, has helped thousands of people with disabilities become radio amateurs, coordinates nationwide program to provide training and assistance.

**245. Louis Varney, G5RV (SK).** Inventor of the G5RV antenna.

**246. William A. Wilson, K6ARO (SK).** Appointed by President Reagan as the first U.S. Ambassador to the Vatican after formal diplomatic relations were re-established in 1984 (they had been cut in 1867).

## 2013 Inductees

- 247. Evelyn Garrison, WS7A (SK)** - a leader in the amateur radio industry since the 1980s
- 248. Joel Kleinman, N1BKE (SK)** - Managing Editor of *QST* magazine from 2001 until his death in 2012
- 249. Laurie Margolis, G3UML/GPC3L** - Longtime BBC correspondent and contributor to amateur radio magazines.
- 250. Michael Owen, VK3KI (SK)** - President of the Wireless Institute of Australia & chairman of IARU Region 3; key player on behalf of amateur radio at WARC '79 & WRC-03
- 251. Harry Rubinstein (ex-9EEV) (SK)** - Inventor of the printed circuit, the slider potentiometer and the combination potentiometer/on-off switch
- 252. Walker Tompkins, K6ATX (SK)** - Journalist, author and historian, his three dozen books included several well-known ham radio-related novels
- 253. Joe Walsh, WB6ACU** - Star rock and roll star guitarist and singer, member of the James Gang and the Eagles
- 254. William G. (Bill) Welsh, W6DDB (SK)** - CQ Novice Editor from 1977-97, taught thousands of prospective hams the material they needed to learn to earn their licenses.

## 2014 Inductees

**255. Clifford Berry, W9TIJ** – Co-inventor of the Atanasoff-Berry computer (or ABC), the precursor to virtually all electronic computers.

**256. Warren Bruene, W5OLY** – Prolific radio designer and innovator who designed many Collins radios and helped the company introduce single-sideband voice communications.

**257. John Huntoon, W1RW** – Former ARRL General Manager, QST Editor, help bring about international allocations of the 30-, 17- and 12-meter bands.

**258. Mike Koss, W9SU** – Dyer and DXpeditioner, founder and owner of filter manufacturer ICE, key player in establishment of Indianapolis Motor Speedway Amateur Radio Club W9IMS; organizer of special event station W87PAX at 1987 Pan American Games.

**259. Nancy Kott, WZ8C** – Former Editor of *WorldRadio* and *Worldradio Online* and tireless promoter of Morse Code as U.S. coordinator of the FISTS CW Club.

**260. Paul Laughton, N6BVH** – Software designer whose accomplishments include developing Apple's disk operating system and Atari's operating system.

**261. Ralph Showers, ex-W3GEU** - Expert on electronic interference and leader of efforts to set national and international standards for electromagnetic compatibility (EMC).

**262. Steve Wozniak, ex-WV6VLY and ex-WA6BND** - Co-founder of Apple Computers.

## 2015 Inductees

- 263. Tim Allen, KK6OTD** – Actor and star of the ABC comedy, “Last Man Standing,” on which his character is also a ham, Mike Baxter, KA0XTT
- 264. Charles Apgar, ex-2-MN (SK)** – Uncovered German spy transmissions from Telefunken shore stations WSL in New York during World War I.
- 265. Dan Benishek, KB8TOW** – Member of Congress from Michigan, Medical doctor and advocate for veterans
- 266. Olaf Lundberg, G0CKV** – Leader of the communications satellite industry for a quarter-century. Founding Director General of Inmarsat; founder, CEO and Chairman of ICO Global Communications and CEO of Globalstar, Inc.
- 267. Bre Pettis, W2BRE** – 3-D printing pioneer and founder of MakerBot. (3-D printing has been dubbed by some as “the second industrial revolution
- 268. Alvino Rey, W6UK (SK)** – A leading musician of the swing era, Rey is considered the father of the electric guitar, inventor of the talk box, pickups, and other electronic musical devices. He combined his love for music with his love of radio to transform the music world.
- 269. Bob Twiggs, KE6QMD** – Co-inventor of the cubesat design standard.
- 270. Greg Walden, W7EQI** – Member of Congress from Oregon. Chairman of the House Communications and Technology Subcommittee
- 271. Joko “Jokowi” Widodo, WY2JKW** – President of Indonesia

## 2016 Inductees

- 272. Bob Arnold, N2JEU (SK)** – Co-developer (with Keith Lamonica, W7DXX, see below) of the first internet-controlled remote base
- 273. Grant Bingeman, KM5RG (SK)** – Developed “method of moments” antenna modeling software for AM broadcast stations and 160-meter amateur antennas
- 274. Bob Carpenter, W3OTC (SK)** – Pioneer of meteor scatter and FM stereo broadcast technology; longtime AMSAT volunteer
- 275. David Dary, W5ZAX** – Journalist, author, journalism educator – former correspondent for CBS and NBC News, journalism professor at University of Kansas and University of Oklahoma, author of over 20 books on the American West
- 276. Matt Ettus, N2MJI** – Software defined radio pioneer; developed first Universal Software Radio Peripheral (USRPs) with GNU radio software support
- 277. Terry Fox, N4TLF** – Packet radio pioneer; primary developer of AX.25 amateur packet protocol

- 278. Elmer “Bud” Frohardt, Jr., W9DY (SK)** – The original “Elmer” for whom ham radio mentors are named (courtesy of a 1971 QST “How’s DX?” column by Rod Newkirk, W9BRD/VA3ZBB)
- 279. Fred Gissoni, K4JLX (SK)** – Adaptive technology pioneer; co-developer of the Porta-Braille and Pocket-Braille note-taking devices for the visually impaired, as well as many other devices
- 280. Ken Kellerman, K2AOE** – Radioastronomer; pioneer of radio interferometry; co-developer of very long baseline interferometry (VLBI), which permits multiple telescopes to function as a single instrument
- 281. Keith Lamonica, W7DXX** – Co-developer (with the late Bob Arnold, N2JEU) of the first internet-controlled remote base
- 282. George Mitchell, K6ZE (SK)** – Member of the Tuskegee Airmen in World War II and 2007 recipient of the Congressional Gold Medal for his wartime service
- 283. Les Mitchell, G3BHK (SK)** – Founder of Jamboree on the Air (JOTA), annual event to introduce amateur radio to scouts and guides around the world
- 284. William Moerner, WN6I** – Co-recipient of the 2014 Nobel Prize in chemistry for his work in high-resolution microscopy
- 285. Leigh Orf, KG4ULP** – Co-developer of tornado simulator using computer modeling to simulate conditions under which tornadoes form
- 286. Joe Rudi, NK7U** – Former Major League baseball player; 3-time All-Star
- 287. Wes Schum, W9DYV (SK)** – Co-founder of Central Electronics, developed first commercially manufactured amateur radio SSB transmitter
- 288. Garry Shandling, ex-KQ6KA/KD6OY (SK)** – Well-known comedian, actor, writer, and television personality
- 289. Mason Southwirth, ex-W1VLH (SK)** – Head of ARRL International Geophysical Year (IGY) Propagation Research Project in 1957-58; conducted additional propagation research at Stanford University
- 290. Boris Stepanov, RU3AX (ex-UW3AX)** – Leading Russian amateur, deputy editor of Russian Radio magazine; pioneer of computerized contest logging and log-checking; developed prototype for World Radiosport Team Championships (WRTC); first to propose “glass cockpit” for ham transceiver, combining frequency readout and spectrum scope on front panel display
- 291. Rufus Turner, W3LF (SK)** – Believed to be the first African-American radio amateur in the U.S.; helped develop 1N34A diode; wrote 1949 article in Radio-Electronics magazine on how to “Build a Transistor”
- 292. Perry Williams, W1UED (SK)** – Longtime ARRL Washington Coordinator and League archivist; convinced Congress to approve vanity call sign program and not to impose a license application fee on amateurs; persuaded FCC to retain large amateur microwave allocations and to create primary amateur allocation at 2.4 GHz