

<b>References for A History of QST Volume 1: Amateur Radio Technology 1915-2013</b>				
<b>Author</b>	<b>Title</b>	<b>Publication or Publisher</b>	<b>Issue or URL</b>	<b>Pages</b>
<b>General Historical</b>				
C.P. Yeang	<i>When Hobbyists were Experts: The U.S. Radio Amateurs' Long Range Short-Wave Experiments Circa 1920</i>	MIT Library	<a href="http://web.mit.edu/sts/pubs/pdfs/MIT_STS_WorkingPaper_37_Yeang.pdf">web.mit.edu/sts/pubs/pdfs/MIT_STS_WorkingPaper_37_Yeang.pdf</a>	
C.P. Yeang	<i>Characterizing Radio Channels: The Science and Technology of Propagation and Interference, 1900-1935</i>	MIT Library	<a href="https://dspace.mit.edu/bitstream/handle/1721.1/39172/60412278.pdf">dspace.mit.edu/bitstream/handle/1721.1/39172/60412278.pdf</a>	
C.P. Yeang	<i>Probing the Sky with Radio Waves: From Wireless Technology to the Development of Atmospheric Science</i>	University Of Chicago Press, 2013		
G. C. Southworth	<i>Forty Years of Radio Research</i>	Gordon & Breach, 1962		
O. G. Villard, Jr, W6QYT	The ionospheric sounder and its place in the history of radioscience	<i>Radio Science</i> , Vol. 11, No. 11	Nov-76	pp. 847-860
Kevin McQuiggin, VE7ZD	<i>Amateur Radio and Innovation in Communication Technology</i>	Simon Frasier University, 2001		
<b>Early Radio</b>				
K. B. Warner, 1BHW	The Story of the Transcontinentals	<i>QST</i>	Mar-21	p. 5ff
P. Godley, 2ZE	Official Report on the Second Transatlantic Tests	<i>QST</i>	Feb-22	p. 14ff
ARRL Staff	The Story of the Transatlantics	<i>QST</i>	Feb-22	pp. 7-14
K. B. Warner, 1BHW	Direct Contact with Japan	<i>QST</i>	Feb-13	p. 14
ARRL Staff	Communication with New Zealand	<i>QST</i>	Nov-24	pp. 15, 68
<b>Propagation Topics</b>				
J. Reinartz, 1XAM	A Year's Work Below Forty Meters	<i>Radio News</i>	Apr-25	pp. 1983-86, 1894, 1895
J.O. Smith	Variation of Strength of Amateur Station Signals	<i>QST</i>	Apr-25	p. 17
A. H. Taylor and E. O. Hulburt	Wave Propagation at High Frequencies	<i>QST</i>	Oct-25	pp. 12-21
A. H. Taylor	An Investigation of Transmission on the Higher Radio Frequencies	<i>Proceedings of the IRE</i>	Dec-25	pp. 677-683
R.A. Heising, J.C. Schelleng & G. C. Southworth	Some Measurements of Short Wave Transmission	<i>Proceedings of the IRE</i> , Vol. 14, No. 5	Oct-26	pp. 613-647
A.H. Taylor	An Investigation of Transmission on the Higher Radio Frequencies	<i>Proceedings of the IRE</i>	May-27	p. 677
E. Quaeck	Propagation of Short Waves Around the Earth, Further Communication of the Propagation of Short-Waves	<i>Proceedings of the IRE</i> , Vol 15, 1927		pp. 341-345
A. Russell	The Kennelly-Heaviside Layer	<i>Nature</i>	Oct-27	p. 609ff
C. Störmer	Short Wave Echoes and the Aurora Borealis	<i>Nature</i>	Nov-28	p. 681ff
B. Van der Pol	Short Wave Echoes and the Aurora Borealis	<i>Nature</i>	Dec-28	p. 878ff
J. Millen, W1HRX	Practical Working Data on 3/4 Meter Transmission	<i>Radio News</i>	Dec-32	pp. 348-350, 377
R. Hull	Extending the Range of Ultra-High-Frequency Amateur Stations	<i>QST</i>	Oct-34	p. 10ff
R. Hull	Practical Communication on the 224-Mc. Band	<i>QST</i>	Nov-34	p. 8ff
Albert W. Friend	A Summary and Interpretation of Ultra-High-Frequency Wave-Propagation Data Collected by the Late Ross A. Hull	<i>Proceedings of the IRE</i>	Jun-45	pp. 358-373
W. Foley, K4FEC	Forecasting Long-Distance Transmission	<i>QST</i>	Feb-46	pp. 36-41
H. Kauffman, W2OQU	A DX Record: To the Moon and back	<i>QST</i>	May-46	p. 65ff
O. G. Villard, Jr., W6QYT and A. M. Peterson	Instantaneous Prediction of Radio Transmission Paths	<i>QST</i>	Mar-52	pp. 11-20
O. G. Villard, Jr., W6QYT and A. M. Peterson	Meteor Scatter	<i>QST</i>	Apr-53	pp. 11-15, 124-126
D. Morgan, W2NNT	Tropospheric Scatter Techniques for the Amateur	<i>QST</i>	Mar-57	p. 11ff
W. Bain, W4LTU	V.H.F. Meteor Scatter Propagation	<i>QST</i>	Mar-57	p. 20ff
O. G. Villard, Jr., W6QYT, S. Stein and K. C. Yeh	Studies of Transequatorial Ionospheric Propagation by the Scatter-Sounding Method	<i>Journal of Geophysical Research</i> , Vol. 62, No. 3	Sep-57	pp. 399-412
R. B. Fenwick, K6GX and O. G. Villard, Jr. W6QYT	A Test of the Importance of Ionosphere-Ionosphere Reflections in Long Distance and Around-the-World High Frequency Propagation	<i>Journal of Geophysical Research</i> , 68 (20), 1963		pp. 5659-5666
R. B. Fenwick, K6GX	Round-the-world high frequency propagation	Stanford Electronics Laboratory, Technical report No. 71, 1963		<a href="http://www.dtic.mil/dtic/tr/fulltext/u2/404303.pdf">www.dtic.mil/dtic/tr/fulltext/u2/404303.pdf</a>
R. A. Whiting, 5B4WR	How Does TE Work?	<i>QST</i>	Apr-63	pp. 13-14
O.G. Villard Jr, W6QYT, et al	Long-Delayed Echoes - Radio's Flying Saucer Effect	<i>QST</i>	May-69	p. 38ff
O.G. Villard Jr, W6QYT, et al	There Is No Such Thing as a Long-Delayed Echo	<i>QST</i>	Feb-70	p. 30ff
F. Moore, WB9GCC	Homebrew DX Prediction	<i>QST</i>	Aug-71	pp. 52-57

C. S. Gillmor, W1FK and J. R. Spreiter (Eds.)	Discovery of the Magnetosphere	American Geophysical Union, History of Geophysics, Vol. 7 (1987)		
C. Luetzelschwab, K9LA	Transequatorial Propagation (web site)		<a href="http://myplace.frontier.com/~k9la/Trans-Equatorial_Propagation.pdf">myplace.frontier.com/~k9la/Trans-Equatorial_Propagation.pdf</a>	
<b>Scientific Collaboration</b>				
G. Reber, ex-W9GFZ	Cosmic Static	<i>Astrophysical Journal</i> , Vol. 100 (1944)		p. 279ff
M. Southworth, W1VLH	ARRL-IGY Propagation Research Project	QST	Sep-56	p. 15ff
G. Grammer, W1DF	An Opportunity for Amateur Participation in IGY Satellite Program	QST	Mar-57	p. 32
K. Bowles, KØCIQ and R. Cohen	N.B.S. Equatorial Region V.H.F. Scatter Research Program for the IGY	QST	Aug-57	p. 11ff
W. Matthews, G. Ludwig	Scientific Telemetry for USNC-IGY	QST	Jan-58	p. 41ff
M. Southworth, W1VLH	Another Peek at PRP	QST	Aug-58	pp. 42-44
M. Southworth, W1VLH	A Look Back and Ahead at PRP	QST	Jun-59	pp. 48-49
M. Southworth, W1VLH	Night-time equatorial propagation at 50 Mc/s: First results from an IGY amateur observing program	<i>Journal of Geophysical Research</i> , Vol. 65, Issue 2, 1960		pp. 601-607
<b>Antennas</b>				
J. Kraus, W8JK	The Square-Corner Reflector Beam Antenna for Ultra-High Frequencies	QST	Nov-40	pp. 24-25
J. Lawson, W2PV	Simple Arrays of Vertical Elements	QST	May-71	pp. 22-27
J. Sevick, W2FMI	The W2FMI Ground-Mounted Short Vertical	QST	Mar-73	p. 13-19
J. Sevick, W2FMI	Simple Broadband Matching Networks	QST	Jan-76	pp. 20-23
J. Lawson, W2PV	Yagi Antennas (Nine-part series)	<i>Ham Radio</i>	Jan-Dec 1980	
R. Lewallen, W7EL	Baluns: What They Do and How They Do It	<i>ARRL Antenna Compendium, Vol 1</i>	1985	
R. Lewallen, W7EL	The Simplest Phased Array Feed System – That Works	<i>ARRL Antenna Compendium, Vol 2</i>	1989	
D. Straw, N6BV	QST Compares: Antenna-Modeling Software	QST	Oct-95	p. 72ff
B. Beezley, K6STI	Another Way to Stack VHF/UHF Yagis	QST	Feb-96	pp. 32-34
LB Cebik, W4RNL	NEC and MININEC Antenna Modeling Programs: A Guide to Further Information	QEX	Mar-98	p. 47ff
LB Cebik, W4RNL	A Beginner's Guide to Modeling with NEC (four parts)	QST	Nov-2000, Dec-2000, Jan-2001, Feb-2011	
<b>Radio Circuits</b>				
J. Lamb, W1CEI	Stabilizing Superheterodyne Performance	QST	Apr-32	pp. 14-17
J. Lamb, W1CEI	What's Wrong with Our C.W. Receivers?	QST	Jun-32	pp. 9-16, 90
J. Millen, W1HRX	A New Approach to Transmitter Design	QST	Mar-38	p. 24ff
R. Bateman, W4IO and W. Bain, W4LTU	New Thresholds in V.H.F. and U.H.F. Reception	QST	Dec-58 through Mar-59	
W. Hayward, W7ZOI	A Competition-Grade CW Receiver	QST	Mar-74, Apr-74	p. 16ff, p. 34ff
R. Sherwood, WBØJGP (now NCØB)	Present-Day Receivers--Some Problems and Cures	<i>Ham Radio</i>	Dec-77	p. 10ff
D. Demaw, W1FB and G. Collins, ADØW	Modern Receiver Mixers For High Dynamic Range	QST	Jan-81	p. 19ff
U. Rohde, KA2WEU (now N1UL)	Testing and Calculating Intermodulation Distortion in Receivers	QEX	Jul-94	p. 3ff
U. Rohde, KA2WEU (now N1UL)	Theory of Intermodulation and Reciprocal Mixing: Practice, Definitions and Measurements in Devices and Systems, Parts 1 and 2	QEX	Nov-2002, Jan 2003	p. 3ff, p. 21
U. Rohde, KA2WEU (now N1UL)	Performance Capability of Active Mixers	<i>Ham Radio</i>	Mar-82, Apr-82	p. 30ff, 38ff
U. Rohde, N1UL	From Spark Generators to Modern VHF/UHF/SHF Voltage Controlled Oscillators	QEX	Jul-08	p. 42ff
<b>Modes and Networks</b>				
J. Lamb, W1CEI	Background for Single-Side-Band Phone	QST	Oct-35	pp. 33ff
E. Williams, W2BFD	The Story of Amateur Radio Teletype	QST	Oct-48	pp. 16-20
J.P. Costas	Poisson, Shannon, and the Radio Amateur	<i>Proc. of the IRE</i> , Vol. 47	Dec-59	pp. 2058-2068
C. MacDonald, WA2BCW	S.C.F.M.--An Improved System for Slow-Scan Image Transmission	QST	Jan-61, Feb-61	pp. 28ff, pp. 32ff
I. Hodgson, VE2BEN	Introduction to Packet Radio	<i>Ham Radio</i>	Jun-79	p. 64ff
P. Martinez, G3PLX	Amor, An Improved Error-Free RTTY System	QST	Jun-81	pp. 25-27
T. Fox, WB4JFI	AX.25 Amateur Packet-Radio Link Layer Protocol, Version 2.0	<i>ARRL (1984)</i>	1984	
P. Rinaldo, W4RI	AX.25 Link-Layer Protocol Specification	QEX (see <a href="http://www.tapr.org/pub_ax25.html">www.tapr.org/pub_ax25.html</a> for current spec)	Feb-85	p. 1
P. Kam, KA9Q	TCP/IP: A Proposal for Amateur Packet Radio Levels 3 and 4	<i>Proc. Of the 4th ARRL Computer Networking Conference</i>	1985	

P. Karn, KA9Q	Addressing and Routing Issues in Amateur Packet Radio	<i>Proc. Of the 4th ARRL Computer Networking Conference</i>	1985	
P. Karn, KA9Q	A High Performance, Collision-Free Packet Radio Network	<i>Proc. Of the 6th ARRL Computer Networking Conference</i>	1987	pp. 86-89
P. Karn, KA9Q	MACA - A New Channel Access Method for Packet Radio	<i>Proc. Of the 9th ARRL Computer Networking Conference</i>	1990	
W. Sinsner, VE4WK	Forward Error Correction for Imperfect Data in Packet Radio	<i>Proc. Of the 9th ARRL Computer Networking Conference</i>	1990	
R. Petit, W7GHM	The "Cloverleaf" Performance-Oriented HF Data Communication System	QEX	Jul-90	
J. Mortensen, N2HOS	A Beginner's Tour to and Through AMTOR	QST	Nov-90	pp. 53-55
ARRL Staff	New Packet-Radio Software Available: DX Cluster Monitor Program	QEX	Mar-91	p. 17
Clas, DL1ZAM and Mack, DL3FCJ	PTC - The PACTOR Controller	QEX	Oct-91	
R. Bruninga, WB4APR	Automatic AX.25 Position and Status Reporting	11th Computer Network Conference Proceedings, ARRL	1992	
W. Henry, K9JWX	CLOVER Development Continues	QES	Mar-92	
B. Levreault, W1IMM and K. Wickwire, KB1JY	Some recent Amateur Use of Federal Standard Automatic Link Establishment (ALE) Signaling	<i>Proc. Of the 11th ARRL Computer Networking Conference</i>	Nov-92	
G. Reedy, W1BEL	PACTOR: An Overview of a New and Effective HF Data Communication Protocol	<i>Proc. Of the 11th ARRL Computer Networking Conference</i>	Nov-92	
H. Price, NK6K	KA9Q on FEC	QEX	Jun-93	p. 17
R. Campbell, KK7B	A Binaural I-Q Receiver	QST	Mar-99	pp. 44-48
J. Gibbs, KC7YXD	D-STAR: Parts 1-3	QEX	July-03, Sep-03, Nov-03	
J. Taylor, K1JT	The JT65 Communications Protocol	QEX	Sep-05	p. 3ff
R. Meuthing, KN6KB	WINMOR...A Sound Card ARQ Mode for Winlink HF Digital Messaging	<i>Proc. of the TAPR and ARRL 27th Digital Communications Conference</i>	2008	
R. Bruninga, WB4APR	Universal Ham Radio Text Messaging Initiative	QST	Sep-09	pp. 72-74
R. Meuthing, KN6KB	WINMOR Phase 2: Demonstration to Deployment	<i>Proc. of the TAPR and ARRL 29th Digital Communications Conference</i>	2010	
J. Taylor, K1JT	WSPRing Around the World	QST	Nov-10	p. 30ff
D. Rowe, VK5DGR	Codec 2 - Open Source Speech Coding at 2400 bit/s and Below	<i>Proc. of the TAPR and ARRL 30th Digital Communications Conference</i>	2011	
<b>Satellites</b>				
Various	Oscar III: Technical Description and Operational Guides	QST	Feb-63 through May-65	
W. Orr, W6SAI	Oscar II: A Summation	QST	Apr-63	pp. 53-56
J. King, W3GEY	The Sixth Amateur Satellite	QST	Jul-73	
K. Meinzer, DJ4ZC	IPS: An Unorthodox High-Level Language	Byte	Jan-79	pp. 152-159
D. Conners, KD2S and T. Clark, W3IWI	PACSAT--A New AMSAT Satellite Project	QEX	Nov-82	p. 2ff
P. Karn, KA9Q	Modulation and Access Techniques for PACSAT	<i>Proc. Of the 2nd ARRL Computer Networking Conference</i>	Mar-83	
J. King, W3GEY	A Review of the Phase IV Project	<i>Proc. Of the 4th AMSAT Space Symposium</i>	Nov-86	pp. 77-81
D. Jansson, WD4FAB	The Phase IV Project - A Transition to Phase IIID	<i>Proc. Of the 8th AMSAT Space Symposium</i>	Oct-90	pp. 3-6
J. King, W3GEY	The In-Orbit Performance of Four MICROSAT Spacecraft	<i>4th Annual USU/AIAA Small Satellite Conference</i>	1990	
F. Bauer, KA3HDO and L. McFaddin, W5DID	Shuttle Amateur Radio Experiment (SAREX) Hardware Configurations and Flight Operations Support	<i>Proc. Of the 10th AMSAT Space Symposium</i>	Oct-92	pp. 100-110
J. Kasser, W3/G3ZCZ	Amateur Radio in Space: OSCAR at 30 + Years	<i>Proc. Of the 10th AMSAT Space Symposium</i>	Oct-92	pp. 240-253
P. Schuch, N6TX	Introduction to Amateur SETI	<i>Proc. Of the 15th AMSAT Space Symposium</i>	Oct-97	pp. 92-102
F. Bauer, KA3HDO	Amateur Radio On-Board the International Space Station	<i>Proc. Of the 15th AMSAT Space Symposium</i>	Oct-97	pp. 205-211
J. Puig-Suari and R. Twiggs, KE6QMD	CubeSat: The Next Generation of Educational Picosatellites	<i>Proc. Of the 18th AMSAT Space Symposium</i>	Oct-00	pp. 21-38
A. Friedman, 4X1KX/KK7KK, J. White WD0E, M. Kingery, KE4AZN, L. Johnson, KK7P, H. Price, NK6K, and C. Green, N0ADI	RUDAK DSP - Software Defined Radio in Space	<i>Proc. Of the 20th AMSAT Space Symposium</i>	Oct-02	pp. 28-40
R. Wright, KC9CDL	Remember, We're Pioneers! The First School Contact with the International Space Station	<i>Proc. Of the 22nd AMSAT Space Symposium</i>	Oct-04	pp. 118-126
B. Bruninga, WB4APR, with C. Otero, H. Evans, T. Kolwicz, M.Silver, E.Henry, D. Jones	PCSAT2 and AX.25 Packet Radio for University Payloads	<i>Proc. Of the 23rd AMSAT Space Symposium</i>	Oct-05	pp. 155-163
T. Monteiro, AA2TX	AMSAT-FOX Preview	<i>Proc. Of the 28th AMSAT Space Symposium</i>	10-Oct	pp. 113-121