

## Douglas Boynton Quine, Ph.D.

United States citizen



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### Education

Ph.D.	Neurobiology and Behavior	Cornell University	1979
B.A.	Biology	Princeton University	1973

### Professional Employment and Research

- 2022-2024 *Research Associate affiliate (retired from VA)* Veterans Affairs CT Healthcare, West Haven CT: Scientist working with Headache Center of Excellence on cluster headache data analysis.
- 2017-2022 *Health Science Specialist* Veterans Affairs CT Healthcare, West Haven CT: Scientist working with multiple investigators including developing standardized laboratory test names and results for clinical and epidemiological work (5 co-authored papers), Headache Center of Excellence data analysis, and cardiology; research and grant support.
- 2016-2017 *Affiliate:* Veterans Affairs CT Healthcare, West Haven CT: Scientist developing standardized laboratory test names and results reporting for clinical and epidemiological work.
- 2015-2017 *Research Associate:* REDS-III Site Coordinator, Bridgeport Hospital, Bridgeport CT: Scientist on international REDS-III (Recipient Epidemiology and Donor Study-III) sponsored by the National Heart, Lung, and Blood Institute (NHLBI) of the NIH to improve blood transfusion benefits and reduce risks.
- 2010-2015 Consultant, Triskelion Ltd: Consulting services in multi-disciplinary scientific problem solving, innovation, scientific research, process improvement, homeland security, expert testimony, patents, postal automation, intellectual property, program management, and publishing. Domestic and international clients include: Arcade Marketing, Pitney Bowes, EE Times, WilmerHale, Harvard University Press, Swidler & Berlin, and an elite Connecticut hedge fund.
- 2006-2010 *Fellow,* Technology Laboratory, Pitney Bowes Advanced Concepts And Technology, Shelton CT: Secure Mail subject matter expert involved in identification, qualification, and evaluation of technologies as well as the design of secure mail screening solutions. Invented, designed, and developed innovative solutions leading to new products and business opportunities.
- 2002-2006 *Principal Engineer,* System Laboratory, Pitney Bowes Advanced Concepts And Technology, Shelton CT: Applied research, design, and development of new SafeMail system to detect and warn of biothreats in the mail while isolating the mail to reduce contamination and protect people and property. Coordinated application to U.S. Department of Homeland Security resulting in designation of system as a Qualified Anti-Terrorism Technology.
- 2000-2002 *Product Guru, Digital Document Delivery,* docSense, powered by Pitney Bowes, Danbury, CT: Product management and development of digital document delivery channels (including Internet) for e-commerce, electronic bill presentment & payment and electronic statement presentment. Coordinate with partners and develop new concepts for e-commerce, Internet business and email systems; coordination with customers, vendors, and industry analysts.
- 1993-2000 *Program Manager for OEM and Finishing Products,* Pitney Bowes Production Mail, Danbury, CT: Manage mail sorting equipment from OEM vendors, manage development of mail sorting equipment, coordinate sales, marketing, service, and engineering efforts
- 1990-1993 *Senior Staff Engineer,* Martin Marietta Postal Systems  
USPS automation systems requirements design, analysis, test, & verification  
Barcode reader and optical character reader technology analysis
- 1988-1990 *Staff Engineer,* Martin Marietta Data Systems, Orlando FL  
Parallel processing for postal imaging applications  
Delivery Bar Code Sorter system design, analysis, test, and verification

- 1987-1988 *Affiliate Associate Professor*, Ecology, Ethology, & Evolution, Univ. Illinois  
Sensory systems of animals
- 1984-1988 *Associate Professional Scientist*, Wildlife, Illinois Natural History Survey  
Radar studies of bird migration to warn aircraft of bird hazards
- 1983-1984 *Research Assistant Professor*, Pharmacology, Tulane Medical School  
Vestibular pharmacology
- 1983-1984 *Adjunct Assistant Professor*, Otolaryngology, Tulane Medical School  
Vestibular pharmacology
- 1982-1983 *Visiting Assistant Professor*, Psychology, Tulane University  
Animal behavior
- 1982-1983 *Research Instructor*, Pharmacology, Tulane Medical School  
Auditory pharmacology; neurotransmitters
- 1980-1982 *Research Associate*, Physiology & Biophysics, Dalhousie University  
Frequency modulation channels in human hearing  
Hearing disorders in Multiple Sclerosis
- 1979-1980 *Post Doctoral Fellow* (with DM Regan), Psychology, Dalhousie University  
Hearing disorders in Multiple Sclerosis, Brainstem Auditory Evoked Potentials
- 1976-1979 *Ph.D. Research* (with WT Keeton), Neurobiology & Behavior, Cornell Univ.  
Infrasound detection and navigation by the homing pigeon
- 1974-1976 *Graduate Research* (with WT Keeton), Neurobiology & Behavior, Cornell Univ.  
Olfactory cues in orientation by pigeons
- 1973-1974 *Acoustical Consultant* (with P Marler)  
Field Research Center in Ecology and Ethology, The Rockefeller University  
Acoustic factors in bird song evolution in temperate and tropical habitats
- 1972-1973 *Undergraduate Thesis Research* (with M Konishi), Biology, Princeton University  
Frequency discrimination and angular discrimination in the barn owl (*Tyto alba*)
- 1968-1969 *Independent research project* (with R DeSanctis)  
Massachusetts General Hospital & Roxbury Latin School  
Heart valve prostheses & Open heart surgery
- 1967-1968 *Independent research project*, Retina Foundation/ Mass Eye and Ear Infirmary  
Polarized light detection for the early diagnosis of visual disorders in humans

## Teaching

- 2015 June Modern Postal History: 50 Years of Automation and Change (Summer Seminar Two Day Course)  
American Philatelic Society, Bellefonte, Pennsylvania
- 1988 spring Systems and Behavior (Bio 390B)  
Affiliate Associate Professor, Ecology, Ethology, & Evolution, Univ. Illinois
- 1983 fall Special Topics in Animal Behavior (graduate level)  
Visiting Assistant Professor, Psychology, Tulane University
- 1983 spring Sensory World of Animals (honors course)  
Visiting Assistant Professor, Psychology, Tulane University
- 1977-1978 Distinguished lecture series in biocommunication  
(K Adler, J Adler, J Goodall, C Sagan, B Holldobler, J Lettvin, & R Payne)  
Teaching Assistant, Neurobiology and Behavior, Cornell University
- 1975, 1976 Avian navigation seminar (elective in biology)  
Teaching Assistant, Neurobiology and Behavior, Cornell University

- 1975, 1976 Scientific writing seminar (elective in biology)  
Teaching Assistant, Neurobiology and Behavior, Cornell University
- 1974-1976 Introductory biology laboratory for biology majors  
Teaching Assistant, Neurobiology and Behavior, Cornell University

### Professional Consulting

- 1987,1988 Consultant, Willard Airport, Savoy, IL - bird hazards
- 1978-1979 Scientific and Photographic Consultant, WW Norton Inc., New York  
WT Keeton: *Biological Sciences* (3rd edition)
- 1972-1973 Safety Consultant, Occupational Health & Safety, Princeton University

### Books

- 2008a. Quine, W. V. *Confessions of a Confirmed Extensionalist and Other Essays* (Dagfinn Føllesdal & Douglas B. Quine, editors), Cambridge: Belknap Press, Harvard University Press, xi + 521 pp.
- 2008b. Quine, W. V. *Quine in Dialogue* (Dagfinn Føllesdal & Douglas B. Quine, editors), Cambridge: Belknap Press, Harvard University Press, xi + 378 pp.
- 2025a. Quine, DB. *Around the World in 28 Days: Photographs and Haiku*. Amazon and Lulu, 141 pp.
- 2025b. Quine, DB. (translation advisor) Chinese translation of W. V. Quine's *The Time of My Life*, (World Celebrity Biographies Series), The Commercial Press, China
- 2025c. Quine, DB. *My First 75 Years*. Amazon, 363 pp.

### Scientific publications: Papers

- 1974 Quine DB, Konishi M. "Absolute frequency discrimination in the barn owl." *J. Comparative Physiology* 93: 347-360
- 1977 Marten K, Quine DB, Marler P. "Sound transmission and its significance for animal vocalizations. II. Tropical forest habitats." *Behavioral Ecology & Sociobiol.* 2: 291-302
- 1979 Kreithen ML, Quine DB. "Infrasound detection by the homing pigeon: A behavioral audiogram." *J. Comparative Physiology* 129: 1-4
- 1979 Quine DB. *Infrasound detection and frequency discrimination in the homing pigeon*. Ph.D. Dissertation, Cornell University
- 1979 Quine DB. "Birds and infrasound." *J. Acoustical Society America* 66: 603
- 1981 Quine DB, Kreithen ML. "Frequency shift discrimination: Can pigeons locate infrasounds by Doppler shifts?" *J. Comparative Physiology* 141: 153-155
- 1982 Quine DB. "Infrasounds: A potential navigational cue for homing pigeons." pp. 373-376 in F. Papi and H. G. Wallraff (eds), *Avian Navigation* Springer Verlag: Berlin & Heidelberg
- 1983 Weldon PR, Murray TJ, Quine DB. "Hearing changes in Multiple Sclerosis." *J. Neurosurgical Nursing* 15 (2): 98-103
- 1983 Quine DB, Regan D, Murray TJ. "Delayed auditory tone perception in Multiple Sclerosis." *Canadian J. Neurological Sciences.* 10: 183-186
- 1984 Quine DB, Regan D, Beverley KI, Murray TJ. "Multiple Sclerosis patients experience hearing loss specifically for shifts of tone frequency." *Archives of Neurology* 41: 506-509
- 1984 Bryant GM, Cronin-Schreiber R, Alexander A, Norris CH, Quine, DB, Guth PS. "The potentiation of ototoxicity when AOAA and kanamycin are co-administered." *Hearing Research* 15: 173-178
- 1984 Quine DB, Regan D, Murray TJ. "Degraded discrimination between speechlike sounds by patients with Multiple Sclerosis and Friedreich's Ataxia." *Brain* 107: 1113-1122
- 1985 Quine DB, Guth SL, Norris CH. "Computer analysis of vestibular responses to putative neurotransmitters." *J. Neuroscience Methods* 14: 241-246

- 1985 Reed HT, Meltzer J, Crews P, Norris CH, Quine DB, Guth PS. "Amino-oxyacetic acid as a palliative in tinnitus." *Archives of Otolaryngology* 111: 803-805
- 1986 Guth PS, Norris CE, Guth SL, Quine DB, Williams HW. "Cholinomimetics mimic efferent effects of semicircular canal afferent activity in the frog." *Acta Otolaryngologica (Stockholm)* 102: 186-194
- 1987 DeFusco RP, Larkin R, Quine DB. "Bird hazard warning using Next Generation Weather Radar." *18th Bird Strike Europe Symposium Proceedings.*, Copenhagen, Denmark, pp. 135-148.
- 1988 Larkin R, Quine DB. "Recognizing bird targets on Next Generation Weather Radar." *19th Bird Strike Europe Symposium Proceedings.*, Madrid, Spain.
- 2015 Quine WV (Quine, DB editor). "Levels of Abstraction" in *Quine and His Place in History* (Janssen-Lauret F and Kemp, G, editors), Palgrave Macmillan (Conference at University of Glasgow, Scotland, December, 2014)
- 2015 Lodge A, Leary RA, Quine DB. "Observations on the Contribution of W. V. Quine to Unified Science Theory" in *Quine and His Place in History* (Janssen-Lauret F and Kemp, G, editors), Palgrave Macmillan (Conference at University of Glasgow, Scotland, December, 2014)
- 2018 Hauser RG, Quine DB, Ryder A. "LabRS: A Rosetta Stone for Retrospective Standardization of Clinical Laboratory Test Results" *J. American Medical Informatics Association (JAMIA)* Feb 1;25(2):121-126.
- 2018 Hauser RG, Quine DB, Ryder A, Campbell S. "Unit Conversions Between LOINC Codes." *J. American Medical Informatics Association (JAMIA)* Feb 1;25(2):192-196.
- 2020 Bhargava A, Kim T, Quine DB, Hauser RG. "A 20-Year Evaluation of LOINC in the United States' Largest Integrated Health System." *Archives of Pathology and Lab Medicine* 144 (April): 478-484
- 2021 Schindler EAD, Cooper V, Quine DB, Fenton BF, Wright DA, Weil MJ, Sico JJ. "You will eat shoe polish if you think it would help"—Familiar and lesser-known themes identified from mixed methods analysis of a cluster headache survey." *Headache* 61 (2): 318-328
- 2022 Hauser, RG; Quine DB; Iscoe M; Arvaisis-Anhalt S. "Development and Implementation of a Standard Format for Clinical Laboratory Test Results." *American Journal Clinical Pathology* 158(3): 409-415
- 2025 Quine, DB. "Son's Preface." to Chinese translation of W. V. Quine's *The Time of My Life*, (World Celebrity Biographies Series), The Commercial Press, China

### Scientific publications: Abstracts

- 1978 Quine DB. "Infrasound detection and ultralow frequency discrimination in the homing pigeon." *J. Acoustical Society Amer.* 63 (SI): S75 (FF3)
- 1979 Quine DB. "Ultralow frequency discrimination: Can homing pigeons localize infrasounds by Doppler shifts? *J. Acoustical Society Amer.* 65 (SI): S39 (016)
- 1980 Quine DB. "Many octaves below human hearing: Homing pigeons detect and discriminate infrasounds." *Abstracts of papers of the 147th national meeting, American Association for the Advancement of Science, Toronto, Canada.* 132 (307)
- 1981 Quine DB. "Fluctuations in sound propagation: Implications for animal vocalizations." *J. Acoustical Society Amer* 69 (SI): S100-101 (SS8)
- 1981 Quine DB., Regan D, Murray TJ. "Delayed auditory tone perception and delayed BEP's in Multiple Sclerosis patients." *J. Acoustical Society Amer* 69 (SI): S106 (UU14)
- 1981 Quine DB, Regan D, Murray TJ, Beverley KI. "Specific loss of sensitivity to frequency modulation in Multiple Sclerosis (MS)." *J. Acoustical Society Amer* 69 (SI): S106 (UU13)
- 1981 Quine DB. "Fluctuations in sound propagation: Implications for animal communication." *Abstracts XVIIIth International Ethological Conference, Oxford, England*
- 1983 Quine DB, Waldvogel JA. "Olfactory navigation of pigeons (*Columba livia*): Effects of odorous air currents in America & Italy." *Abstracts of the Animal Behavior Society 1983 Meeting, Lewisburg PA.*
- 1984 Quine DB, Guth SL, Norris CH. "Computer analysis of vestibular responses to putative neurotransmitters." *Abstracts of the Seventh Midwinter Meeting.* Association for Research in Otolaryngology, St. Petersburg, FL

- 1985 Guth PS, Quine DB. "Cholinergic pharmacology of frog vestibular neurons." *Abstracts of the 8th Midwinter Meeting*. Association for Research in Otolaryngology, Clearwater, FL
- 1986 Guth PS, Reed HT, Meltzer J, Norris CH, Quine DB. "The trial of amino-oxyacetic acid as a palliative in tinnitus." *Abstracts of the Ninth Midwinter Meeting*, Association for Research in Otolaryngology, Clearwater, FL
- 1986 Quine DB, Larkin RP, Mueller CM. "Birds migrating in 'Windrows' at night over Kansas." *Abstracts of XIX Congressus Internationalis Ornithologicus*, Ottawa, Canada.
- 1987 Norris CH, Guth PS, Quine DB. "The effects of histamine on the semicircular canal of the frog." *Abstracts of the Tenth Midwinter Meeting*. Association for Research in Otolaryngology, Clearwater, FL
- 1987 Larkin RP, Quine DB, Mueller CM. "Extensive (40 km) waves of migrating birds over Kansas." *Abstracts of the Animal Behavior Society 1987 Meeting.*, Williamstown, MA.
- 1987 Guth PS, Norris CH, Quine DB, Housley GD. "Does histamine have a role in the semicircular canal of the frog?" *Society Neuroscience Abstracts 13*: 636 (Abstract #179.9).

### Scientific Blogs

- 2010-2015 Quine DB. Blog moderator at [EETimes.com](http://EETimes.com) (posted over 1,500 comments in 5 years)
- 2021a Quine DB. "COVID Vaccinations." *MakeUsWell.org* blog February 23, 2021
- 2021b Quine DB. "Public Health Issues: Health Disparities." *MakeUsWell.org* blog February 23, 2021
- 2022a Quine DB. "My Citizen Engagement in COVID-19 Research." *MakeUsWell.org* blog February 27, 2022
- 2022b Quine DB. "COVID Vaccination Status in an Era of Boosters." *MakeUsWell.org* blog November 15, 2022
- 2022c Quine DB. "COVID Detection By Wearables." *MakeUsWell.org* blog November 15, 2022

### Popular Publications

- 1980 Quine DB, Chrisler TS. "Can pigeons 'hear' their way home?" *American Pigeon Racing News (May)*: 17-20
- 1980 Chrisler TS, Quine DB. "Can pigeons 'hear' their way home?" *A. F. A. Watchbird VII (June/ July)*: 14-18 (reprint of *American Pigeon Racing News* with color photographs)
- 1980 Chrisler TS, Quine DB. "Can pigeons 'hear' their way home?" *American Pigeon Journal (August)*: 17&19 (reprint of *American Pigeon Racing News*)

### Philatelic Published Chapters, Papers, and Notes

- 1987 Quine DB. "Bar coding of handwritten and incorrect addresses." *Modern Postal History Journal 5 (4)*: 34-35
- 1988 Quine DB. "Bar code questions answered." *Modern Postal History Journal 6(4)*: 48-49
- 1988 Quine DB. "Decoding a partial bar code: A diversion for amateur mathematicians and cryptanalysts." *The American Philatelist (Nov. 1988)*: 1090-1092
- 1988 Quine DB. "Half/full bar code types appearing on domestic mail 1983-1987." *Modern Postal History Journal 6(4)*: 45-47
- 1988 Quine DB. "OCR Errors 1983-1987: Half a Decade of Human and Machine Errors." *MILCOPEX*
- 1989 Quine DB. "Bar code types appearing on the face of domestic mail." *Modern Postal History Journal 7(4)*: 59-61
- 1989 Quine DB. "Ident (literature review)" *Modern Postal History Journal 7(3)*: 35-36
- 1989 Quine DB. "New Technology OCR's and Postnet Bar Code Errors." *U.S. Specialist 60 (Mar)* 154-156
- 1989 Quine DB. "The Evolution of an Exhibitor." *The Philatelic Exhibitor (Jan. 1989)*: 16-17; reprinted in Princeton University '73 Summer News: *Bits and Pieces from the Class of 1973*.
- 1990 Quine DB. "International Journal of Research and Engineering, Postal Applications (literature review)" *U.S. Specialist 61 (June)*: 361-362

- 1990 Quine DB. "Orlando, FL Missent Marking." *Modern Postal History Journal* 8(1): 9
- 1990 Quine DB. "Postal Buddy Change-of-Address Station Prints Stamped Postal Cards and Labels On Demand." *U.S. Specialist* 61 (Oct): 542-561
- 1990 Quine DB. "Orlando, FL Missent Marking." *Modern Postal History Journal* 8(1): 9
- 1991 Quine DB. "Letters to Foreign Addresses Mistakenly Barcoded with US ZIP Codes." *Modern Postal History Journal* 9(2): 36-37
- 1991 Quine DB. "Philosophical Quine Commemorated by San Marino Postmark." *Linn's Stamp News* (Aug. 19 91): 14
- 1991 Quine DB. "Postal Buddy Change-of-Address Station Prints Stamped Postal Cards and Labels On Demand." reprinted in *United States Postal Service*. 1991. "New Customer Address Change System: Solicitation 104230-91-A-0151"
- 1991 Quine DB. "Updated *Postal Buddy* Program Expands Into 1991." *U.S. Specialist* 62 (May): 263-275
- 1993 Hines T & Quine DB. "Bar Coded Forwarding Labels for Overseas Addresses." *Modern Postal History Journal* 11 (2): 29-30
- 1993 Quine DB. "Modern Postal History: Treasures Waiting to Be Found." *U.S. Specialist* 64 (Oct): 461-463
- 1994 Quine DB. "Computers are Invaluable for Philately." *U.S. Stamps & Postal History* (Nov-Dec 1994) 36-38
- 1998a Quine, DB. "Intentional USPS POSTNET Barcodes On International Mail", *IDENT: Journal of the Postal Mechanisation Study Circle* 21 (4): 56-68
- 1998b Quine, DB. "Cover Has Special Delivery Disguise", *Linn's Stamp News* (November 30, 1998): 2
- 1999 Quine, DB. "Modern Postal History Update: Barcodes and Resources" *U.S. Specialist* 70 (Oct): 474-475
- 2000 Quine, DB. "PC Postage Meter Launch at National Postal Forum, Chicago, Illinois", *IDENT: Journal of the Postal Mechanisation Study Circle* 23 (1): 13-16
- 2003a Quine, DB. "Identifier / Rate Codes for Automation Mail", *IDENT: Journal of the Postal Mechanisation Study Circle* 26 (2): 40-44
- 2003b Quine, DB. "Windows Into Postal Automation: Heads USA, Tails UK, and Topsy-Turvey Barcodes", *U.S. Specialist* 74 (Dec): 561-565
- 2004 Quine, DB. "All the Contemporary Handstamped Auxiliary Markings of Grand Rapids, Michigan." *Auxiliary Markings* 1(4) (Oct.): 2 – 3
- 2004 McCallum, J. & Quine, DB. "Postnet Codes." (USPS 11 digit Postnet codes for the United Kingdom)", *Postal Mechanisation Study Circle Newsletter* 28 (11): 71
- 2006 Quine, DB. "Returned To Sender 2005: No Mail Receptacle." *Auxiliary Markings* 3(1) (Jan.): 2-7
- 2007a Quine, DB. "'Exceptional Address Format' auxiliary marking first report." *Auxiliary Markings* 4(3) (Jul.): 13
- 2007b Quine, DB. "An Unusual Marking." *Auxiliary Markings* 4(3) (Jul.): 11
- 2008a Quine, DB. "Received in Damaged Condition." *Auxiliary Markings* 5(1) (Jan.): 5
- 2008b Quine, DB. "Centennial of a Philatelic Philosopher." *Philatelic Literature Review*: 57 (4): 326-337
- 2009a Quine, DB. "Harvard University Mourning Cover." *Mourning Notes* 3(2): 13
- 2009b Quine, DB. "Ernest A. Mosher memorial cover." *Mourning Notes* 3(2): 13
- 2009c Anonymous and Douglas B. Quine. 2009c. "Barcoded Missents." *Auxiliary Markings* VI(3) (July.): 7
- 2012a Quine DB. "Tip of the Iceberg: An Ongoing International Modern Postal History Barcode Puzzle." *U.S. Specialist* 83 (June): 259-261

- 2012b Quine DB. "Isle of Man 'Mourning Cover' Illustrated on Stamp." *Mourning Notes* 6 (1): p. 4
- 2012c Quine DB. "Return to Sender Envelopes from San Francisco." *Auxiliary Markings* IX (3): (July): p. 7
- 2012d Quine DB. "Tip of the Iceberg: An Ongoing International Modern Postal History Barcode Puzzle." *IDENT: Journal of the Postal Mechanisation Study Circle* 35 (2) : 26-43
- 2013a Quine, DB. "End of One Barcoding Era, Beginning of Another?" *Auxiliary Markings* 10 (2) (Apr.): 2
- 2013b McCallum, J. & Quine, DB. "Barcodes: US Intelligent Mail Barcode.", *Postal Mechanisation Study Circle Newsletter* 37 (6): 36-37
- 2013c Quine, DB. "USA: 21<sup>st</sup> Century Sanitization of Mail.", *Pratique: The Newsletter of the Disinfected Mail Study Circle* XXXVII (3): 98-100
- 2014a Quine DB. "Letter Mail USPS Barcode Reader for Modern Postal Historians Finds Address Barcode Error." *U.S. Specialist* 85 (February): 78-83
- 2014b Quine DB. "Hazards of Industrial Trade Shows." *Meter Stamp Society Quarterly Bulletin* 66 (Summer) 6-7
- 2015 Quine DB.. "The American Family Association - the Harvey Milk Stamp 'REFUSED' and 'RTS'" *Auxiliary Markings* 12 (1) (Jan.): 1
- 2016a Quine DB. "An Early First Day Cover Noted to be 'Without Contents'" *Auxiliary Markings* 13 (1) (Jan.): 3
- 2016b Quine DB. "Expediting the Movement of a Letter Through the Mails" *Auxiliary Markings* 13 (2) (Apr.): 3
- 2016c Quine DB. "POSTNET Barcodes: Enablers of Letter / Flat Mail Postal Automation, 1982 - 2013" Chapter 13: pp. 201-221 in (A. Wawrukiewicz, editor) *Insights into U.S. Postal History, 1855 – 2016*, American Philatelic Society Press
- 2016d. Quine DB. "How I Became A Stamp Collector." *American Philatelist* 130 (8) Aug: 904
- 2016e. Wawrukiewicz A, Quine DB, Johnson J. "Inkjet Information Markings on Undeliverable Mail" *Auxiliary Markings* 13 (4) (Oct.): 7
- 2016f. Quine DB. "Evolving Postal Markings on U.S. Letter Mail: Reading the Stories that Envelopes Tell" *The Meter Stamp Quarterly Bulletin* (Winter 2016) 68: 4 pp 1, 4-5
- 2017a. Quine DB. "Postage Meter Indicia for Marketing" *The Meter Stamp Quarterly Bulletin* (Winter 2017) 69: 6
- 2017b. Quine DB. "Postage Meter Indicia for Daily Wear" *The Meter Stamp Quarterly Bulletin* (Winter 2017) 69: 10
2018. Farrington M, Quine DB. "Response to 'Misaddressed Letter with Important USPS Warning'" *Auxiliary Markings* 15 (4) (Oct.): 1
- 2019a. Quine DB. "Traditional and innovative geographical addressing schemes." *IDENT: Journal of the Postal Mechanisation Study Circle* 42 (1) : 6-7
- 2019b. Quine DB. "USPS Informed Delivery and modern postal history." *IDENT: Journal of the Postal Mechanisation Study Circle* 42 (1) : 8-10
- 2019c. Quine DB. "A 2019 United States 'Mourning Cover'." *Mourning Notes* 13 (1-2): 25
- 2020a. Quine DB. "USPS unique Intelligent Mail Barcodes and the exception that proves the rule." *IDENT: Journal of the Postal Mechanisation Study Circle* 43 (2): 45-48
- 2020b. Quine DB. "Wrong Way Cover." *The Meter Stamp Quarterly Bulletin* (Summer 2020) 72: 8
- 2021a. Quine DB. "Unauthorized Change of Address May Explain "IN DISPUTE" PARS Label" *Auxiliary Markings* 18 (2) (Apr.): 4-5
- 2021b. Quine DB. "Living With General Delivery" *Auxiliary Markings* 18 (4) (Oct.): 12

- 2022a. Quine DB. "Puzzling 'NON ADMIS AU TRANSPORT / Niet ter vervoer toegelaten' from Egypt" *Auxiliary Markings 19 (1) (Jan.): 2*
- 2022b. Quine DB. "Royal Mail adds Barcodes to Definitive Stamps." *Meter Stamp Society Quarterly Bulletin 74: (335) page 8 (Spring 2022)*
2022. Wawrukiewicz A. & Quine DB. "Editorial" *Auxiliary Markings 19 (3) (July.): 1*
- 2023a. Quine DB. "Mysterious 'Test' Mail, Explained" *Auxiliary Markings 20 (1) (Jan.): 7*
- 2023b. Quine DB. "Isle of Man Postage Due Marking" *Auxiliary Markings 20 (1) (Jan.): 12*
- 2023c. Quine DB. "SMS Postage – the "Ultimate" Postage Meter." *Meter Stamp Society Quarterly Bulletin 75: (339) page 10 (Spring 2023)*
- 2023d. Quine DB. "Overpaid Cover from the Government." *Meter Stamp Society Quarterly Bulletin 75: (340) page 8 (Summer 2023)*
- 2023e. Bergman OE. & Quine DB. "Confused 2022 Cover." *Meter Stamp Society Quarterly Bulletin 75: (340) pages 17-20 (Summer 2023)*
- 2023f. Quine DB. "Two Contemporary Fort Wayne In Markings" *Auxiliary Markings 20 (3) (Jul.): 7*
- 2023g. Quine DB. "The Anatomy of an Improperly Returned Letter" *Auxiliary Markings 20 (3) (Jul.): 8*
- 2023h. Quine DB. "Puzzling Auxiliary Marking from 1930 Explained as Private" *Auxiliary Markings 20 (3) (Jul.): 11*
- 2023i. Quine DB. "Japanese Return to Sender Markings 1982" *Auxiliary Markings 20 (3) (Jul.): 12*
- 2023j. Quine DB. "Anthony S. Wawrukiewicz, PhD, MD, Philatelist" *Auxiliary Markings 20 (4) (special issue) (Jul.): 2*
- 2023k. Quine DB. "Pitney Bowes / NCR Kiosk Indicia Errors and Freak 2007-2010" *Meter Stamp Society Quarterly Bulletin 75: (341) pages 13-17 (Fall 2023)*
- 2023l. Frye D, Quine DB "Update on "Overpaid Cover from the Government" *Meter Stamp Society Quarterly Bulletin 75: (341) page 18 (Fall 2023)*
- 2023m. Quine DB, Bergman OE. "Newly Found Format of "Without Contents" Marking" *Auxiliary Markings 20 (5) (Oct): 11*
- 2023n. Quine DB. "Author's Inquiry: Puzzling Shortened Intelligent Mail Barcodes (IMB)" *American Philatelist (Nov. 2023): 990 [DBQ request for help]*
- 2023o. Quine DB. "Mourning Covers and Changing Norms" *Mourning Notes 16(1-4): 4-5*
- 2024a. Quine DB, Bergman OE, Elias P. "New "X-Rayed Cleared for Delivery" *Auxiliary Markings 21 (1) (Jan): 8-11*
- 2024b. Quine DB. "Puzzling Barcode on Flats Since 2004 Finally Explained" *American Philatelist (Feb): pp. 68-70*
- 2024c. Quine DB. "Joann Lenz Remembrance" *Meter Stamp Society Quarterly Bulletin 76: (343) 14 (Spring 2024)*
- 2024d. Quine DB. "Addressing Error By A Presort Company" *Meter Stamp Society Quarterly Bulletin 76: (343) 21 (Spring 2024)*
- 2024e. Quine DB. "More Damaged Mail Markings" *Auxiliary Markings 21 (2) (Apr): 9-10*
- 2024f. Quine DB. "Belated Proposed Explanation of USPS KEY RETURN ZIP CODE Label 897" *Auxiliary Markings 21 (2) (Apr): 11*
- 2024g. Quine DB. "Puzzling Barcode on Flats Since 2004 Finally Explained" *IDENT: Journal of the Postal Mechanisation Study Circle 47(2): 13-17* reprinted with permission from *American Philatelist (Feb): pp. 68-70*
- 2024h. Quine DB. "US Digital Postal Meter Ink Errors - Freaks and Oddities and their Look-alike Cousins" *Meter Stamp Society Quarterly Bulletin 76: (344 part 2) 1,3-7 (Summer 2024)*

- 2024i. Quine DB. “Unintended Return To Sender Experiment – National Postal Forum 1994” *Auxiliary Markings 21 (3) (July)*: 1,4-8
- 2024j. Quine DB. “The Great American Stamp Show (GASS), Hartford CT, August 2024.” *Meter Stamp Society Quarterly Bulletin 76: (345 part 1)* 55-59 (Fall 2024)
- 2024k. Redner G, Quine DB. “Canadian Air Flight Abandoned - Letter Returned” *Auxiliary Markings 21 (4) (Oct)*: 6-7
- 2024l. Quine DB.. “Similar Meters and Permits.” *Meter Stamp Society Quarterly Bulletin 76: (346 part 1)* 22-23 (Winter 2024)
- 2024m. Knutson A, Quine DB. “’Tis the Season.” *Meter Stamp Society Quarterly Bulletin 76: (346 part 1)* 54-55 (Winter 2024)
- 2024n. Quine DB. “Medical Test Instructions in Priority Mail USPS Connect Mailing Label” *Meter Stamp Society Quarterly Bulletin 76: (346 part 2)* 29-30 (Winter 2024)
- 2024o. Bergman OE, Quine DB. “A Curious Meter Denomination.” *Meter Stamp Society Quarterly Bulletin 76: (346 part 2)* 41-42 (Winter 2024)
- 2024p. Quine DB. “Mourning Cover and Memorial Issue of Auxiliary Markings in honor of Dr. Tony Wawrukiewicz.” *Mourning Notes 17(1-2)*: 4-5
- 2024q. Quine DB. “An Eyecatching Theater Schedule.” *Mourning Notes 17(1-2)*: 6
- 2024r. Quine DB. “How to Write-Up a Mourning Cover: A 1952 Mourning Card from Chicago; Winston Churchill In Memoriam Cover; Swiss Mourning Covers from 1974 and 1984” *Mourning Notes 17(1-2)*: 7-9
- 2025a. Quine DB. “Forwarded as a Courtesy” *Auxiliary Markings 22 (1) (Jan)*: 3
- 2025b. Quine DB. “NO SUCH Handstamps and a Partially Inverted RETURN WRITER Slogan Marking” *Auxiliary Markings 22 (1) (Jan)*: 7-8
- 2025c. Quine DB. “Monaco to USA Postage Due Markings Fill a Small Cover” *Auxiliary Markings 22 (1) (Jan)*: 11
- 2025d. Quine DB. “Hiding in Plain Sight: USPS International Letter Barcodes and Auxiliary Markings.” Chapter 6: pp 80-137 in (G. Redner, editor) *Considering Auxiliary Markings: An Anthology of the subject* jointly published by The Philatelic Specialists Society of Canada and The Auxiliary Markings Club.
- 2025e. Quine DB. “Considering Auxiliary Markings: A PSSC and AMC Anthology – a Review” *Meter Stamp Society Quarterly Bulletin 77: (347 part 1)* 53-56 (Spring 2025)
- 2025f. Quine DB. “Thirty Years of United States Specialist Mailing Labels Show Postal Evolution and an Unexpected Surprise” *U. S. Specialist 96(4)*: 161-167
- 2025g. Quine DB. “Next Steps Toward a More Usable and Accessible Auxiliary Markings Catalog” *Auxiliary Markings 22 (2) (Apr)*: 10-12
- 2025h. Quine DB. “Auxiliary Markings: Considering Auxiliary Markings” *Philatelic Literature Review (Spring/Summer 2025)*: 73-74 reprinted with permission from *Meter Stamp Society Quarterly Bulletin 77: (347 part 1)* 53-56 (Spring 2025)
- 2025i. Quine DB. “1986 Army Postal Service to Paris Armees, France Returned to Sender” *Auxiliary Markings 22 (3) (July)*: 4
- 2025j. Quine DB. “US International MISSENT Puzzles and Explanations” *Auxiliary Markings 22 (3) (July)*: 5-7
- 2025k. Quine DB. “St Vincent Handstamps with two unreported texts: WITH TAPE and SOILED WITH GUM” *Auxiliary Markings 22 (3) (July)*: 7-8
- 2025l. Quine DB, Tanaka T. “Invertible Postal ZIP Codes: Separating Fact from Fiction” *Scott Stamp Monthly (August)*: 40-42

2025m. Quine DB. "My Adventure getting Obama Inaugural January 20 Cancellations on *stampexpressions* stamps"  
*Meter Stamp Society Quarterly Bulletin 77: (x) y-z (Fall 2025)*

2026a. Quine DB. "USPS Handstamp Devices from the New York City Area" *Auxiliary Markings 23 (1) (January): 3-7*

#### United States Patents (50 patents)

- #6,717,957 *Method for delivering information in a closed loop multimedia system*
- #6,782,415 *Business-to-employee messaging system*
- #6,795,376 *Method for displaying an environmentally modulated expiration date*
- #6,832,246 *Dynamic electronic forwarding system*
- #6,839,738 *System and method for cleansing addresses for electronic messages* (Quine, Schumacher)
- #6,865,561 *"Closed system meter having address correction* (Allport, Kelly, Nicholls, Capelli, Quine)
- #6,895,427 *System and method for cleansing addresses for electronic messages* (Quine, Schumacher)
- #6,957,248 *System and method for forwarding electronic messages* (Douglas Quine, Alexander Quine)
- #6,985,408 *Method for displaying an environmentally modulated expiration date*
- #6,988,129 *Method for providing address change notification in an electronic message forwarding...*
- #7,004,396 *System and method for grouping mail pieces in a sorter* (Quine, Baker)
- #7,016,938 *E-mail forwarding system having archival database*
- #7,060,927 *Method and system for isolating and testing biological contaminants...* (Quine, Stemmler)
- #7,149,780 *Method for determining e-mail address format rules* (Quine, Schumacher)
- #7,156,290 *System and method for determining and reporting whether a mail piece has been opened by a recipient* (Stemmler, Hasbani, Auslander, Quine, Wittenberg, Nagarsheth)
- #7,191,222 *Method for providing address change notification in an electronic message forwarding ...*
- #7,229,025 *Barcode with enhanced additional stored...* (Sussmeier, Auslander, MacKay, Obrea, Quine)
- #7,258,277 *Method for enhancing mail piece processing system* (Baker, Quine)
- #7,340,970 *Method and device for isolating, collecting & transferring hazardous samples* (Quine et al)
- #7,341,334 *System and method for preventing security ink tampering* (Auslander, Quine)
- #7,387,251 *Bar code recognition method and system for paper handling equipment* (Baker, Quine)
- #7,389,274 *Integrated payment for international business reply mail* (Sansone, Monsen, Quine)
- #7,414,219 *System and Method for Grouping Mail Pieces in a Sorter* (Quine, Baker)
- #7,491,548 *Method and device for collecting and transferring biohazard...* (Quine, Sharma, Massucci)
- #7,527,199 *Method and system for protecting privacy of signature on mail ballot ...* (Quine, Ryan)
- #7,543,026 *System and Method for Address Correction Of Electronic Messages* (Quine, Schumacher)
- #7,558,831 *Method for providing address change notification in an electronic message forwarding ...*
- #7,580,983 *E-Mail Forwarding System Having Archival Database*
- #7,596,600 *System for selective delivery of electronic communications* (Quine, Blue)
- #7,653,233 *Confirming cancellation of truncated checks* (Quine, Ryan)
- #7,690,566 *Integrated ballot and voting envelope with voter verification security* (Quine, Haas)
- #7,766,233 *Vote by mail envelope that protects privacy of voter's signature* (Haas, Quine, et al)
- #7,859,563 *System and method for synchronizing a strobe in video image capturing*
- #7,868,264 *System and process for reducing number of stops on delivery route..* (Stemmler, Caddy, Quine)
- #7,889,885 *Method for detecting perforations on the edge of an image of a form* (Cordery, Campagna, Foth, Haas, Quine)
- #7,894,655 *Confirming cancellation of truncated checks* (Quine, Ryan)
- #7,922,208 *Method and system for protecting privacy of signatures on mail ballots* (Haas, Quine, Hammell, Campagna)
- #7,923,655 *Sorting method and system with dynamically re-allocated sortation bins* (Quine, Baker)
- #7,949,424 *Virtual code for delivery to the nearest building of organizations having multiple buildings*
- #7,972,869 *Method and device for collecting and transferring biohazard samples* (Quine, Sharma, Massucci, Summers)

- #8,022,329 *System and method for full escort mixed mail sorter using mail clamps* (Stemmle, Quine)
- #8,073,195 *Method and apparatus for detecting malfunctioning print elements in postage meter indicia printer* (Quine, Miller)
- #8,145,265 *Method and System for Producing Hard Copies of Electronic Information Employing a Portable Personal Receiving Device* (Pawlecki, Quine)
- #8,152,067 *Time Limited Business Reply Mail* (Quine)
- #8,152,068 *Systems and Methods for Producing and Processing Time Dependent Dynamic Barcodes in a Mail Delivery System* (Sanchez, Quine)
- #8,235,516 *Print enhancement of pixels to improve readability* (Auslander, Quine)
- #8,237,998 *Flexible system for feeding and processing multi-page documents* (Rozenfeld, Quine, et al)
- #8,287,004 *Reusable Windowed Envelope* (Rosen, Dahl, Quine, Reichelsheimer)
- #8,504,828 *Surface Profile Tracing of a Document* (Quine)
- #re43,118 *Method for determining e-mail address format rules* (Quine, Schumacher)

#### **International Patents** (46 patents, 12 separate inventions; 4 foreign only)

- #EP1022693 (France, Germany, UK) "*Closed system meter having address correction capabilities*"
- #EP1434175 (France, Germany, Italy, UK) *Method for retrieving mailpiece tracking data using mailpiece image* [foreign only, not USA]
- #EP1439496 (France, Germany, Italy, UK) *System for tracking mailpieces* [foreign only, not USA]
- #EP1544493 (France, Germany, UK) "*Method and system for isolating and testing biological...*"
- #EP1605396 (France, Germany, UK) *Barcode with Additional Stored Data*
- #EP1671708 (France, Germany, UK) "*Method for enhancing mail piece processing system*"
- #EP1676646 (France, Germany, UK) *System and process for grouping mailpieces in a sorter*
- #EP1741496 (France, Germany, Liechtenstein, Switzerland, UK); #2551844 (Canada) "*Method and system for mitigating threats and hoaxes perpetrated through a mail system*" [foreign only, not USA]
- #EP1791081 (France, Germany, Liechtenstein, Switzerland, UK) "*Method for detecting perforation on the edge of an image of a form*" [foreign only, not USA]
- #EP1793941 (France, Germany, Italy, Liechtenstein, Switzerland, UK) "*System and Method for reducing number of stops on delivery route by identification of standard class mail*" [foreign only, not USA]
- #EP1900646 (France, Germany, UK) *Method and System for protecting privacy of signature on mail ballot utilizing optical shutter*
- #EP2199087 (France, Germany, UK) *Print enhancement of pixels to improve readability*

#### **Patent Citations**

1,480 citations of my patents / patent applications as of Oct. 26, 2021 by companies including: Abbott Point of Care, American Express Travel Related Services, AOL / America Online, AT&T / AT&T Delaware Intellectual Property / AT&T Intellectual Property, Bartex Research, BellSouth, Brandmail Solutions, Cameron Lanning Cormack, Canon Kabushiki Kaisha, Cingular, Cisco Technology, Dell Computer, Delphi Technologies, eBay, Engate Technology, Foundation IP, Fujitsu, Genworth Financial, Hand Held Products, Hewlett-Packard / Hewlett Packard Development, Hitachi, Honeywell International, Hoover's, IBM, Infowave Software, Infratab, I-Stat, Invention Science Fund, K&M International, Kabushiki Kaisha Toshiba, Kangnam-ku, Konica Minolta Systems Laboratory, Lashback, Leica Geosystems, Lockheed Martin, Lynch Marks, Matsushita Electric Works, McAfee, Message Level, MessageOne, Microsoft, Murata Kikai Kabushiki Kaisha, MX Logic Inc, NEC, Neopost, NMS Communications, Northrop Grumman, Nokia, Novell, NTT DoCoMo, Paksense, Panasonic, Pitney Bowes, QAS Limited, Research In Motion, Rightnow Technologies, Sendside Networks, SEVEN Networks, Siemens / Siemens AG/ Siemens Industry, Smart Caregiver, Sony Ericsson Mobile Communications AB, Sprint Spectrum, Stamps.com, Stanley Security, Teamon, TIP Communications, Toshiba, United Parcel Service, United Services Automobile Association - USAA, United States Postal Service, University of Pittsburgh, Xerox, Xobni, Yangaroo, Zoltar Systems

#### **Seminars, Lectures, and Talks**

- 2025 Philatelic Specialists Society of Canada – October 14 Introducing the *Considering Auxiliary Markings Anthology* (web round table) “Hiding in Plain Sight: Letter Mail Barcodes, Misdirected Mail, and Modern Postal History”
- 2025 Auxiliary Markings Club, monthly Zoom seminar – June 10 and Auxiliary Markings Club YouTube “Hiding in Plain Sight: Letter Mail Barcodes, Misdirected Mail, and Modern Postal History”
- 2025 Royal Philatelic Society of Canada - Philately 101: Different Ways to Collect web round table June 3 “Hiding in Plain Sight: Letter Mail Barcodes, Misdirected Mail, and Modern Postal History”
- 2024 Norwalk Stamp Club, Norwalk, Connecticut – December 2 “Hiding in Plain Sight: Letter Mail Barcodes, Misdirected Mail, and Modern Postal History”
- 2024 Norwalk Stamp Club, Norwalk, Connecticut: “Hiding in Plain Sight: Letter Mail Barcodes, Misdirected Mail, and Modern Postal History”
- 2021 American Philatelic Society, Bellefonte, Pennsylvania: (2014 Summer Seminar General Session – recorded as a video with minor updates, December 2021 and available from stamps.org) "Exploring Modern Postal History: From Anthrax to ZIP Codes”
- 2015 Boston University, Department of Philosophy, Boston, MA: guest speaker on “The Roots of Quine - *Mortui Vivos Docent: Learning from and Exploring the Quine Archives*” in Prof. Juliet Floyd’s course *Philosophy 422/ 622 Analytic Philosophy: Quine*,
- 2015 American Philatelic Society, Bellefonte, Pennsylvania: (Summer Seminar Two Day Course) "Modern Postal History: 50 Years of Automation and Change”
- 2014 *Quine and His Place in History* Conference at University of Glasgow, Scotland, “The Roots of Quine - *Mortui Vivos Docent: Learning from and Exploring the Quine Archives*”
- 2014 *Quine and His Place in History* Conference at University of Glasgow, Scotland, presented rediscovered and edited version of Quine, WV. 1972. “Levels of Abstraction”
- 2014 *Quine and His Place in History* Conference at University of Glasgow, Scotland, presented with Ann Lodge “Observations on the Contribution of W. V. Quine to Unified Science Theory”
- 2014 Mondays @ 7, Westport, Connecticut “Getting Hired: Lessons Learned Through Multiple Careers”
- 2014 American Philatelic Society, Bellefonte, Pennsylvania: (Summer Seminar General Session) "Exploring Modern Postal History: From Anthrax to ZIP Codes”
- 2014 FBI / Infragard Connecticut quarterly meeting, Bristol-Myers-Squibb, Wallingford, Connecticut “Hoax or Threat? Biohazards in the Mail”
- 2011 Princeton University, Department of Philosophy, Princeton, New Jersey: (National Endowment for the Humanities summer course on Quine and Davidson) "*Mortui Vivos Docent: the Pleasure of Learning from Quine's Archives*" [expanded version]
- 2008 Harvard University, Cambridge, Massachusetts: (Quine at 100: A Centenary Conference) "*Mortui Vivos Docent: Learning from and Exploring the Quine Archives*"
- 2008 Pitney Bowes Open House, Canadian Museum of Civilization, Gatineau, Canada: "Mail Security Insights and Solutions"
- 2008 Oberlin College, Oberlin, Ohio: (W. V. Quine Historical Marker Dedication) "A Fitting Recognition for a Scholar and World Traveler" [brief remarks]
- 2008 Princeton University, Princeton, New Jersey: (W. V. Quine Centennial Symposium) "*Mortui Vivos Docent: the Pleasure of Learning from Quine's Archives*" [10 minutes]
- 2007 American Philatelic Society Summer Seminar, Bellefonte, Pennsylvania: "Can You See The Mailstream?" (Philately, Postal Automation, and Pitney Bowes)

- 2007 Americover 2007: American First Day Cover Society seminar, Stamford CT "Can you see the Mailstream?" (postal automation, personalized postage, and Pitney Bowes)
- 2007 COM 310: Business and Professional Speaking, Western Connecticut State Univ., Danbury, CT "Presentation Techniques for Business and Executive Audiences"
- 2006 Ottawa, Canada "Security and Risk Management Solutions for the Mailstream"
- 2006 Connecticut Quality Improvement Award Partnership, Westbrook, CT "Secure Mail and the Pitney Bowes Innovation Pipeline to BISS" (top gold Innovation Prize)
- 2006 European Corporate Security Conference, Brussels, Belgium "Mail Security Insights and Solutions Developed Through Pitney Bowes Research"
- 2005 Pitney Bowes Advanced Concepts & Technology, Shelton, CT "AC&T Research and Development Support for Secure Mail"
- 2004 Connecticut Business & Industry Association, Manchester Community College, Manchester CT "Anthrax in the Mail: A Case Study in Technology Integration for Homeland Security"
- 2003 Connecticut Technology Council conference on National Security and Biotechnology Spotlight, Yale University, New Haven CT "Anthrax in the Mail: A Case Study in Technology Integration for Homeland Security"
- 2002 Pitney Bowes Advanced Concepts & Technology, Shelton, CT "Solving Messaging Problems with a Scientific Approach"
- 2002 USPS Conference on Direct Mail in Challenging Times. Stamford CT "Combining Electronic and Hard Copy Media to Improve Customer Communications"
- 2001 Pitney Bowes Customer Conference, Marcos Island FL "Combining Electronic and Hard Copy Media to Improve Customer Communications"
- 2000 Advanced Metering, Billing and Customer Relationship Management Conference, Institute for International Research, Atlanta GA "How to Excel in e-Commerce."
- 2000 Mailcom, Atlantic City, NJ "Electronic Bill Presentment and Payment – Panel Discussion."
- 2000 National PCC Day, United States Postal Service, GMF, Edison, NJ "How to Excel in e-Commerce."
- 1995 Bureau Issues Association Seminar, Boxborough, Massachusetts: "Modern Postal History"
- 1993 Hubert Humphrey Elementary School, Albuquerque, New Mexico: "Barcoding Technology and the Stories Envelopes Tell"
- 1992 Greenbrier West Elementary School, Fairfax, Virginia: "Stamps, Postal Technology, and Philately"
- 1991 Dolley Madison Stamp Club, McLean, Virginia: "Modern Postal History: Collecting Tomorrow's Treasures Today."
- 1988 Champaign-Urbana Stamp Club, Champaign, Illinois: "OCR Errors 1983-1987: Half a Decade of Human and Machine Errors."
- 1988 Champaign Public Library, Champaign, Illinois, "Introduction to Stamp Collecting for Youth."
- 1987 Ornithology (guest lecture), Ecology, Ethology, & Evolution, University of Illinois "Sensory basis of bird navigation."
- 1987 Ecology, Ethology, & Evolution, University of Illinois "The infrasound sense of homing pigeons."
- 1987 Biology 123, University of Illinois "Magnetic and visual senses in animals." (also Oct 1986)
- 1986 Wildlife and Fisheries Seminar, University of Illinois, "Sensory world of animals."

- 1986 Champaign-Urbana Humane Society, Urbana IL, "Mystery of bird navigation."
- 1986 Life Sciences Open House, University of Illinois "Observations of birds on Doppler weather radar."
- 1985 Minisymposium on Avian Navigation, Neurobiology & Behavior, Cornell University "Studies of birds migration using Doppler weather radar."
- 1985 Bird-Aircraft Strike Hazard Conference, Vandenberg AFB, CA "NEXRAD's potential for warning of bird hazards."
- 1985 Ecology, Ethology, and Evolution Seminar University of Illinois "Sensory basis of bird navigation."
- 1985 Meteorology Seminar, Massachusetts Institute of Technology "Radar studies of bird migration."
- 1985 Ornithology (guest lecture), Ecology, Ethology, & Evolution, University of Illinois "Sensory basis of bird navigation."
- 1985 Remote Sensing, National Center Atmospheric Research, Boulder, CO. "Radar studies of bird migration."
- 1984 Research Seminar, Air Force Geophysical Laboratory, Sudbury, MA "Bird migration on Doppler and Tracking Radars."
- 1984 Research Seminar, Air Force Geophysical Laboratory, Sudbury, MA "Bird navigation systems."
- 1984 Research Seminar, Air Force Geophysical Laboratory, Sudbury, MA "Studies of bird migration using radar."
- 1983 Biomedical Engineering Seminar, Tulane University: "Many octaves below human hearing: Pigeons hear and discriminate infrasound - Where could it get them?"
- 1983 Animal Behavior Society Meeting, Bucknell University "Olfactory navigation of pigeons (*Columba livia*): Effects of odorous air currents in America and Italy."
- 1983 Applied Psychology Seminar, University of New Orleans "Psychophysical studies of hearing changes in Multiple Sclerosis."
- 1983 Introductory Psychology, Honors (guest lecture), Tulane University "Sensory systems and bird navigation."
- 1983 Physiology Seminar, Tulane Medical School "Pigeons hear 8 octaves below the range of human hearing: Could it help them home?"
- 1982 Pharmacology Seminar Tulane Medical School "Alpha-pinene and the 59th Street Bridge Song: Is infrasound navigation for the birds?"
- 1982 Psychology Colloquium, Tulane University "Pigeons hear 8 octaves below the range of human hearing: Could it help them home?"
- 1982 Multiple Sclerosis Society, Halifax, Nova Scotia "Hearing changes in Multiple Sclerosis."
- 1982 British Broadcasting Corporation (BBC): Animal Language – Sound Communication in Animals
- 1981 Department of Medicine Research Seminar, Dalhousie University "Hearing changes in Multiple Sclerosis."
- 1981 International Symposium on Avian Navigation, Tirrenia, Italy "Pigeons detect infrasound: Could it guide them home?"
- 1981 XVIIth International Ethological Conference, Oxford U, England "Fluctuations in outdoor sound propagation: Implications for animal communication."
- 1981 Acoustical Society of America meeting, Ottawa, Ontario "Fluctuations in outdoor sound propagation: Implications for animal vocalizations."
- 1981 Acoustical Society of America meeting, Ottawa, Ontario "Specific loss of sensitivity to frequency modulation in Multiple Sclerosis (MS)."
- 1981 Acoustical Society of America meeting, Ottawa, Ontario "Delayed auditory perception and delayed BEP's in

Multiple Sclerosis patients."

- 1981 Multiple Sclerosis Society of Canada, Atlantic Division, 7th Annual Conference, Keynote Address, Moncton, New Brunswick "Hearing research and Multiple Sclerosis."
- 1981 HMCS Okanagan, CFB Halifax "Two simple circuits for the conversion of low frequency sounds to audible sounds."
- 1981 School of Human Communication Disorders, Dalhousie University "The unusual hearing abilities of animals: Sounds we don't hear."
- 1981 School of Human Communication Disorders, Dalhousie University "Hearing research in Multiple Sclerosis: Methods and progress."
- 1980 Psychology Department Convention, Dalhousie University "Groaning mountains and grunting storms: The challenge of outdoor research."
- 1980 Orientation and Migration Conference, The Rockefeller University "Infrasound frequency discrimination by the homing pigeon."
- 1979 Thesis Seminar, Neurobiology and Behavior, Cornell University "Homing pigeons hear infrasounds: Where does it get them?"
- 1978 Psychology Department Seminar, Dalhousie University "Long distance navigation by birds using infrasound."
- 1978 Animal Communication course (guest lecturer), Cornell University "Sound propagation and animal communication."
- 1978 American Pigeon Fanciers' Council Annual Meeting, St. Louis, MO "Pigeons detect infrasound: Does it guide them home?"
- 1978 Acoustical Society of America, Providence, Rhode Island "Infrasound detection and ultralow frequency discrimination in the homing pigeon."
- 1977 Animal Communication course (guest lecturer), Cornell University "Sound propagation and animal communication."
- 1977 Neurobiology & Behavior Seminar Series, Cornell University "Frequency discrimination by the barn owl."
- 1976 Freshman Research Seminar Series, Cornell University "Barn owl frequency discrimination."
- 1974 Field Research Center for Ecology and Ethology, The Rockefeller University "Sound propagation: Theory and field studies."
- 1973 Biology Senior Symposium, Princeton University "Barn owl frequency discrimination."

## Reports

- 1985 Larkin RP, Quine DB. Interim report: Summary of waterfowl migration data gathered at AFGL. USAF Contract F08637-84-COO62, AFESC. 4 p.
- 1985 Larkin RP, Quine DB. Interim report on progress of full recognition algorithm. USAF Contract F08637-84-COO62, AFESC. 10 p.
- 1986 Quine DB, Larkin RP. Final report for waterfowl recognition algorithm. USAF Contract F08637-84-COO62, AFESC. 33 p.
- 1987 Larkin RP, Quine DB. Draft report on bird movement data. CERL Contract DACA88- 86-D0001, AFESC. 49 p.
- 1987 Quine DB, Larkin RP. Draft report on bird movement data and NEXRAD system. USFWS Contract 14-16-0009-87-1221, AFESC. 13 p.

## Digital Document Delivery White Papers

- 2001 Quine D. "Improving the Effectiveness of Email Messaging." (Pitney Bowes)  
 2000 Gardner D & Quine D. "Digital Document Delivery: Improving the Speed and Accuracy of Bill Payment, Statement Presentation and Employee Communications." (Pitney Bowes)

#### Poster sessions

- 1986 XIX Congressus Internationalis ornithologicus, Ottawa, Canada "Birds migrating in 'windrows' at night over Kansas."  
 1984 Greater New Orleans Society for Neuroscience, Techniques Mini Symposium "Computer analysis of vestibular responses to putative neurotransmitters."  
 1984 Association for Research in Otolaryngology, St. Petersburg, FL "Computer analysis of vestibular responses to putative neurotransmitters."  
 1981 Research Symposium, Dalhousie University "Specific loss of sensitivity to frequency modulation in Multiple Sclerosis (MS)."  
 1981 American Association for the Advancement of Science, Toronto, Ontario "Many octaves below human hearing: Pigeons detect and discriminate infrasounds."  
 1980 Psychology Department Convention, Dalhousie University "Eight octaves below human hearing: Pigeons detect infrasounds."  
 1979 Acoustic Society of America, Cambridge, Massachusetts "Ultralow frequency discrimination: Can homing pigeons localize infrasounds by Doppler shifts?"  
 1977 Section of Neurobiology and Behavior Convention, Cornell University "Infrasound, Pigeons, Navigation."

#### Philatelic Software

- Quine DB. 1991. "POSTNET Decoding Software for IBM & Macintosh Computers." (c) 1991 Triskelion Ltd, Chantilly, VA  
 Quine DB. 1994. "POSTNET Decoding Software for Macintosh Computers." released on Arizona Mac Users Group *BBS In A Box CD-ROM Volume X*, January 1994

#### Certifications

- 1970 Radio Telephone Third Class Operator Permit  
 1972 Registered Emergency Medical Technician – Ambulance  
 1972 Basic First Aid Teacher, American Red Cross  
 1976-1980 Bonded Locksmith

#### World Wide Web Page examples (over 2,500,000 visitors)

<a href="http://www.wvquine.org">www.wvquine.org</a>	Willard Van Orman Quine - philosophy
<a href="http://www.postal-markings.org">www.postal-markings.org</a>	Auxiliary Markings Club web site
<a href="http://www.triskelion-ltd.com/postnetj.html">www.triskelion-ltd.com/postnetj.html</a>	POSTNET decoder JavaScript on-line
<a href="http://www.triskelion-ltd.com/uspsglos.html">www.triskelion-ltd.com/uspsglos.html</a>	USPS Acronym List
<a href="http://www.triskelion-ltd.com/lps.html">www.triskelion-ltd.com/lps.html</a>	Beatles albums
<a href="http://www.quine.org">www.quine.org</a>	Douglas Boynton Quine

#### Reviews Of Quine's Software and Web Sites

- Hines T. 1991a. "Software." *The Philatelic Communicator*: 24: 65-66 [Review of POSTNET decoder]  
 Hines T. 1991b. "POSTNET Decoder: A Software Review." *Postal Mechanization Study Circle Newsletter* 15: 116  
 Hines T. 1991c. "Software Review: POSTNET Decoder." *Modern Postal History Journal* 10: 7  
 Rapaport WJ. 1997. "Review of Willard van Orman Quine <http://users.aol.com/drquine/wv-quine.html>." *American Philosophical Association Newsletter on Philosophy and Computers* 97: 1 (Fall '97)

## Offices Held

2015-present	Advisor, Research Center on Quine, University of Glasgow
2015Q1	President and Executive Board, The Westport Group
2014Q3	Secretary and Executive Board, The Westport Group
2014	Vice-President and Board of Directors, (FBI) Infragard Connecticut
2003-present	Webmaster and Co-founder, Auxiliary Markings Club (honorary life member 2017)
1997-2000	Postal Automation Task Force, National Postal Museum, Smithsonian Institution
1989-present	Chairman, Modern Postal History Committee, BIA/USSS
1988-1994	Board of Governors, Bureau Issues Association/ U.S. Stamp Society
1988	Executive Board, Champaign-Urbana Stamp Club, Champaign IL
1986-1988	Codirector, NEXRAD Algorithm development for Bird Hazards, USFWS / CERL
1986-1987	President, Champaign-Urbana Stamp Club, Champaign IL
1983-present	President & Board of Directors, Triskelion Ltd.
1982-1984	Technical Advisor, Commodore Pet Computer Group, New Orleans LA
1971-1972	Board of Directors, Ivy Radio Network, New Haven, CT
1971-1972	Senior Board, Princeton Broadcasting Corp, Princeton NJ

## Committees

2005-2010	Pandemic Flu Advisory Committee, Pitney Bowes
2000-2001	Futures Strategy Group, Postal Technology, Pitney Bowes
1995-1996	Compensation Advisory Committee, Pitney Bowes Production Mail
1992-1993	Command Media Review Board, Martin Marietta Postal Systems
1991	Technology Steering Committee, Martin Marietta Information Systems
1985	Committee on Future Directions - Wildlife Illinois Natural History Survey
1984	Doctoral Dissertation Committee - E. Rafferty, Tulane University, Psychology
1983	Senior Thesis Committee - R. Piolet, Tulane University, Psychology
1977-1978	Committee on Transportation, Cornell University

## Judge / Reviewer

2010-2011; 2014	<u>Judge</u> , Connecticut Quality Improvement Award Partnership (Innovation Prize)
2009-2012	<u>Judge</u> , Southern Connecticut Invitational Science & Engineering Fair
1988	<u>Philatelic Judge</u> , Illinois State Fair, Springfield, IL
1981-2021	<u>Reviewer</u> : <i>Science</i> (1981, 1982); National Science Foundation (1982); National Science & Engineering Research Council Canada (1983); <i>Quarterly Review of Biology</i> (1985); <i>The Auk</i> (1986); University of Illinois Research Board (1987); <i>Animal Behaviour</i> (1988); <i>Journal of the American Medical Informatics Association – JAMIA</i> (2018 4x and 2021); <i>Acta Acustica</i> (2018)

## Awards and Honors

2025	<i>2<sup>nd</sup> Annual Tony Wawrukiewicz Award</i> for best article in 2024 from the Auxiliary Markings Club
2019	<i>Who's Who Albert Nelson Marquis Lifetime Achievement Award</i> for Professional and Public Service
2019	<i>Who's Who</i> online
2007	"Pitney Bowes Prism" award for leveraging diversity
2006	"Pitney Bowes One" (highest corporate award) award for European Secure Mail Facility
2006	"Top Gold Innovation Prize", Connecticut Quality Improvement Award Partnership
2000	Britannica.com "Internet Guide Award" for wv-quine.html. "one of the best on the Internet"
1992	Martin Marietta Postal Systems Supplementary Incentive Compensation (SIC) award
1990	Martin Marietta SIC award for DBCS field test and also SIC award for DBCS Proposal
1989	<i>Who's Who In Emerging Leaders</i> , 2nd Edition (1989-1990)
1988	<i>Who's Who In The Midwest</i> , 21st Edition (1988-1989)
1988	Collector's Club of Chicago Award: Best Research of Post WWII; American Philatelic Society Research Medal; American Association of Philatelic Exhibitors Gold Pin; Milcopex Vermeil Medal
1984	Association for Research in Otolaryngology (elected member)

- 1983 Sigma Xi - Science Research Society (elected full member)
- 1980 New York Academy of Sciences (elected member)
- 1978 Schuyler Gage Fellow in Animal Biology (Cornell University)
- 1978 Phi Kappa Phi honorary fraternity (elected member)
- 1977 War on Waste Award, Cornell University
- 1976 Outstanding Instructor (Neurobiology & Behavior, Cornell University)
- 1973 Cannon Thesis Prize in Biology (Princeton University)
- 1969 Certificate of Merit, National Merit Scholarship Program
- 1961 Group Project Grand Prize, Park School Science Fair

### **Society Memberships / Volunteer**

- American Philatelic Society (member, speaker, course instructor)
- Auxiliary Markings Club (co-founder, webmaster, lifetime member)
- Disinfected Mail Study Circle
- Habitat for Humanity (construction volunteer July 2007, January 2008)
- Meter Stamp Society
- Mourning Stamps and Cover Club
- New York Academy of Sciences (lifetime member)
- Postal Mechanisation Study Circle
- Sigma Xi (scientific honor society)
- United States Stamp Society / Bureau Issues Association (former board member)
- The Westport Group (former officer)

### **Continuing Professional Education**

- 1971 August Emergency Medical Technician Advanced Training, Washington DC
- 1989 June Lighting and Optics, Society of Manufacturing Engineers (3 days), Nashville TN
- 1993 October Customer Driven Quality (C-DQ), Pitney Bowes
- 1993 November Kaizen, Pitney Bowes
- 1994 June Continuous Improvement Program, Pitney Bowes
- 1994 September Disaster Recovery, Atlanta
- 1995 June Group Leadership, Pitney Bowes
- 1996 November Project Management for Success, Learning Tree
- 1997 March Time Management, Pitney Bowes
- 1997 April Assessing Competencies for Tomorrow, Pitney Bowes
- 1997 April Gender Diversity, Pitney Bowes
- 1997 June Conflict Management, Pitney Bowes
- 1998 January Negotiation, Gibson Associates
- 1998 April-Dec. Business Leadership Development Program, Pitney Bowes / Babson College
- 1999 January Leveraging Diversity Competencies to Advance Team Goals, Pitney Bowes
- 1999 May Managing to Avoid Litigation, Pitney Bowes
- 1999 May How To Deliver Exceptional Customer Service, Pryor Seminars
- 1999 September How to Organize and Maintain Files and Records, Pryor
- 1999 December Business Writing for Results, Pryor
- 2000 December Leading People, Pitney Bowes
- 2000 December Future Strategy Forum, Prudential Center for Learning and Innovation
- 2002 February Leading Change; Leading the Business, Pitney Bowes
- 2005 November Building Vulnerability and Protection Against Chemical & Biological Threats, UNC
- 2006 March LEADing Leaders, American Management Association
- 2006 April Pitney Bowes Data Privacy and Information Security training
- 2006 June Baldrige quality examiner training, Connecticut Quality Improvement Award
- 2008 May Voice of Leadership, American Management Association
- 2011 May Bird Friendly Buildings: Design and Retrofit, American Bird Conservancy

