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**! *Employment History***

**1982-present:** *George Washington University* as follows:

2004-present: Professor of Media and Public Affairs, and of Public Policy and Public Administration

2001 to 2003: Director, Graduate Telecommunication Program and Professor of Media and Public Affairs (Interim Director, Electronic Media Program, 2003-4).

1994 to 2001: Associate Dean for Graduate Affairs, Columbian School of Arts and Sciences, Administrative supervision of admissions to and operations of nearly 50 masters and doctoral programs plus staff of nine. Concurrent faculty position in School of Media and Public Affairs, and in telecommunication.

1989 to 1991: Acting Chairman, Department of Communication, with charge of faculty hiring, curriculum, and operations of facilities including studios for department with speech and radio-TV programs; 150 majors. Concurrent with position below.

1984 to 1994: Director, Graduate Telecommunication Program, including program development, admissions, faculty supervision, and advising for this interdisciplinary MA program (about 40 candidates) and PhD. public policy program concentration track. Professor in National Center for Communication Studies after 1991.

1984 to 1989: Professor (tenured) in Department of Communication and Theater, teaching in radio-television program.

1982 to 1984: Director, Center for Telecommunications Studies. Developed program of

funded research and consulting, workshops and conferences in domestic and international communications policy, managing a staff of six.

**1980 to 1982:** *Special Assistant to Federal Communications Commissioner Anne P. Jones*, Washington, D.C. Covered electronic media and international telecommunications. Research, policy advising, coordination with FCC bureaus, and speechwriting.

**1970 to 1980:** *Professor of Communications, Temple University*, Philadelphia. Served as assistant professor (1970 to 1973), associate professor (1973 to 1980) and professor (1980 to 1982, while on leave at FCC). Taught graduate and undergraduate courses in regulation and policy, media and society.

**1969 to 1970:** *Assistant Professor of Speech, University of Utah*, Salt Lake City. Directed developing graduate program.

### **! Monographs**

*SAGE ENCYCLOPEDIA OF JOURNALISM*. General editor. Thousand Oaks, CA: Sage Publications, 2009. Six volume reference work now in preparation.

*SOUNDS OF CHANGE: FM BROADCASTING IN AMERICA* (with Michael C. Keith). Chapel Hill: University of North Carolina Press, 2008, in final editing.

*MILITARY COMMUNICATIONS: FROM ANCIENT TIMES TO THE 21ST CENTURY*. Santa Barbara, CA: ABC-CLIO, 2007, 600 pp. Editor (and author of about half) of this one-volume, 322-entry survey of communications technology applied to tactical and strategic military uses.

*RISE OF AMERICAN RADIO: AN HISTORICAL ANTHOLOGY*. London: Routledge, 2007, six-volumes. Edited this 2,400-page collection of facsimile-reprint articles, book chapters, documents and other material on the development of American broadcasting to 1945, arranged in volumes on technology before and after 1920, industry and advertising, programming, audience and research, and policy development. Each volume has an introduction and annotated bibliography of further reading on that topic.

*SHAPING AMERICAN TELECOMMUNICATIONS: A HISTORY OF TECHNOLOGY, POLICY, AND ECONOMICS* (with Phyllis Bernt and Martin Weiss). Mahwah, NJ: Lawrence Erlbaum Associates, 2006, 419 pp.

*ENCYCLOPEDIA OF RADIO*. New York: Fitzroy-Dearborn/Taylor & Clark, 2004, 3 vols. General Editor of this 1,650-page collection of nearly 700 entries by nearly 250 different authors. I authored more than 70. Sponsored by the Museum of Broadcast Communications, Chicago. Won 2004 ALA "RUSA" Award.

*HISTORY OF TELECOMMUNICATION TECHNOLOGY: AN ANNOTATED BIBLIOGRAPHY* (with George Shiers). Lanham, MD: Scarecrow Press, 2000, 333 pp. 2,500 entries arranged in topical chapters.

*FOCAL GUIDE TO ELECTRONIC MEDIA*. Newton, MA: Focal Press, 1998. General Editor of this CD-ROM incorporating work of some 100 authorities, with graphics, audio and video clips. Editorial oversight plus several dozen entries.

*MASS COMMUNICATION RESEARCH RESOURCES: AN ANNOTATED GUIDE* (edited with James K. Bracken and Susan M. Hill). Mahwah, NJ: Lawrence Erlbaum Associates, 1998, 208 pp.

*ELECTRONIC MEDIA: A BRIEF SURVEY OF BROADCASTING AND CABLE IN THE UNITED STATES*. Washington: International Center for Journalists, 1996, 40 pp. English title of background paper published in Russian language on behalf of the former USIA.

*TELECOMMUNICATION RESEARCH RESOURCES: AN ANNOTATED GUIDE* (with James K. Bracken). Mahwah, NJ: Lawrence Erlbaum Associates, 1995. 173 pp.

*BROADCASTING IN AMERICA: A SURVEY OF ELECTRONIC MEDIA: Brief Edition* (with Sydney Head and Lemuel B. Schofield). Boston: Houghton Mifflin, 1991; 1996 [2nd ed.]. 432 pp.

*BROADCASTING IN AMERICA: A SURVEY OF ELECTRONIC MEDIA*. Boston: Houghton Mifflin, 1994, 675 pp. (7th ed, senior co-author. I joined this book as author of its bibliography with its 3rd ed. in 1976, becoming a collaborator with 4th edition in 1982, and co-author for 5th [1987], 6th [1990], 7th [1994], and 8th [1998] editions.).

*STAY TUNED: A CONCISE HISTORY OF AMERICAN BROADCASTING* (with John M. Kittross). Belmont, CA: Wadsworth, 1978, 1990 [2nd ed.], 710 pp.; Mahwah, NJ: Lawrence Erlbaum, 2002 [3rd ed.], 965 pp.

*DECISION TO DIVEST: THE FIRST REVIEW (1985 to 1987)* (co-edited with Jill F. Kasle). Washington: Broadcasting Publications, 1988, 740 pp. This volume continues the series immediately below.

*DECISION TO DIVEST: MAJOR DOCUMENTS IN U.S. V. AT&T, 1974 to 1984* (senior editor of three). Washington: Communications Press, 1986, three vols of 2,000 pp.

*ELECTRONIC MEDIA: A GUIDE TO TRENDS IN BROADCASTING AND NEWER TECHNOLOGIES, 1920-1983*. New York: Praeger, 1984. 337 pp.

*INTERNATIONAL TELECOMMUNICATIONS AND INFORMATION POLICY*. Washington: Communications Press, 1984. 496 pp. (editor)

*WHO OWNS THE MEDIA? CONCENTRATION OF OWNERSHIP IN THE MASS COMMUNICATIONS INDUSTRY* (with three co-authors). White Plains, NY: Knowledge Industry Publications, 1978, 1982 (2nd ed). Authored chapters on broadcasting and on cable and pay television, pp. 299-450.

*THE MASS MEDIA: ASPEN INSTITUTE GUIDE TO COMMUNICATION INDUSTRY TRENDS* (with Timothy Haight). New York: Praeger, 1978. 512 pp.

*MASS NEWS: PRACTICES, CONTROVERSIES, ALTERNATIVES* (co-edited with David J. LeRoy). Englewood Cliffs, NJ: Prentice-Hall, 1973. 334 pp.

### **! Editorial Positions**

*COMMUNICATION BOOKNOTES QUARTERLY*. New York: Lawrence Erlbaum Associates/Taylor & Francis, 1998-present (Quarterly). Editor of this review service with some 20 topical contributors carrying more than 600 reviews annually; I write probably half of them. Continues (with Vol. 29) and expands BOOKNOTES (see below).

*INFO: THE JOURNAL OF POLICY, REGULATION AND STRATEGY FOR TELECOMMUNICATIONS, INFORMATION AND MEDIA*. London: Emerald, 1999-present (Bi-monthly). Reviews Editor, 1999-2003; member editorial board, 2004-present.

*THE LEA TELECOMMUNICATIONS SERIES*. General Editor of an open-ended series of texts, research monographs, and original anthologies (now a dozen in print). New York: Lawrence Erlbaum Associates/Taylor & Francis, 1992-present.

*COMMUNICATION BOOKNOTES*. 1969 to 1997 (Monthly; bimonthly after 1986). Founder and editor/publisher since of a monthly book and document reporting service issued under various titles (Vols 1-28).

*TELECOMMUNICATIONS UPDATE*. 1985-90 (Bi-weekly); 1991-92 (Monthly). Editor of this eight-page newsletter for USIA, sent to 6,000 overseas addresses.

*JOURNAL OF BROADCASTING*. 1955-date (Quarterly). Editor (1972 to 1976); Book Review Editor (1970 to 1972); editorial consultant (1976 to 1985); member of publication committee (1975 to 1989); Chair of publications committee (1994 to 2000).

Journal Editorial Boards: I serve on the boards and regularly review manuscripts for seven scholarly journals:

*IEEE ANNALS OF THE HISTORY OF COMPUTING* (quarterly)  
*INFO: THE JOURNAL OF POLICY, REGULATION AND STRATEGY FOR  
TELECOMMUNICATIONS, INFORMATION, AND MEDIA* (bi-monthly)  
*JOURNAL OF BROADCASTING & ELECTRONIC MEDIA* (quarterly)  
*JOURNAL OF MEDIA ECONOMICS* (quarterly)  
*JOURNAL OF RADIO STUDIES* (biennial)  
*JOURNALISM AND MASS COMMUNICATIONS QUARTERLY* (quarterly)  
*TELECOMMUNICATIONS POLICY* (ten issues per year)

*ARNO PRESS REPRINT BOOK SERIES ON BROADCASTING/TELECOMMUNICATIONS:*  
made final selection on five separate series of reprinted books—a total of 140 volumes issued  
between 1971 and 1980, primarily for the library market. (Arno sold rights to these materials to  
Ayer Press in 1982, which retained some titles in print into the early 2000s.)

### **! *Encyclopedia Entries***

Entries (about 150) in *MILITARY COMMUNICATIONS: FROM ANCIENT TIMES TO THE 21st CENTURY*, edited by C. H. Sterling. Santa Barbara, CA: ABC-CLIO, 2007. Ranging from 500 to 2,000 words, these cover all aspects of tactical and strategic military communications from the days of smoke and couriers to modern digital systems. Examples of entries I wrote include Aircraft; Armstrong, Edwin Howard; AT&T; Bletchley Park; Britain, Battle of; Coastwatchers; Combat Information Center; Couriers; Defense Communication Agency; Egypt; Electronic Countermeasures/Warfare; Enigma; Facsimile; Fiber Optics; Friedman, William F.; Global Information Grid; India; Jamming; Maginot Line; Microwave; Mobile Communications; Modulation; Napoleonic Wars; Naval Radio Stations; Night Signals; OP-20-G; Radio; Radio Silence; Royal Air Force; Silicon Valley; Spectrum Management; Spies; Telephone; Underground Communication Centers; Undersea Cables; VoIP; Walkie-Talkie; Warsaw Pact; World War II; Yardley, Herbert O.

Entries (5) in *ENCYCLOPEDIA OF 20TH-CENTURY TECHNOLOGY* edited by Colin A. Hempstead and William E. Worthington, Jr. New York: Routledge, 2005. These included Radio--AM, FM, Analog, Digital; Radio--Early Transmissions; Radio Receivers-- Early; Telephony-- Automatic Systems; and Television--Digital and High-Definition Systems.

“Radio History,” in *ENCYCLOPEDIA BRITANNICA*. Chicago: Encyclopedia Britannica, 2005. This substantial (roughly 15,000 words) essay ranging from 19th century wireless to 21st century electronic media was invited by the publication’s editors. It will appear in both the print and on-line versions.

Entries (2) in *ENCYCLOPEDIA OF AMERICAN BUSINESS HISTORY* edited by Charles Geisst. New York: Facts on File, 2004, in press. On U.S. Telecommunications Industry (3,200 words)

and RCA (900 words).

Entries (70) in *ENCYCLOPEDIA OF RADIO*, edited by C.H. Sterling. New York: Fitzroy-Dearborn/Routledge, 2004, 3 vols. My own entries (which range from 1,000 to 4,500 words each) included those on AM radio, American Federation of Musicians, Antenna, Awards and prizes, Beulah, Can You Top This?, Classical music format, Clear Channel Communications, Clear channel stations, Commentators, Controversial issues, Deregulation of radio, DJs, Orrin E. Dunlap Jr., Editorializing, Education about radio, "Equal Time" Rule, John Henry Faulk, FCC Blue Book, Reginald Fessenden, FM Radio, FM Trade Associations, Pauline Frederick, Group W. Radio, "Hear it Now," George Washington Hill, History of radio, John V. L. Hogan, I Love a Mystery, A. Atwater Kent, Paul Keston, Ed Klauber, Kay Kyser, Paul Lazarsfeld, Mary Margaret McBride, Don McNeill, National Radio Systems Committee, News agencies and radio, A.C. Nielsen, North American Regional Broadcasting Agreement, Pay radio, Radio audience, Radio City (NY), Radio Hall of Fame, Radio in kid novels, Radio's trade press, Romance of Helen Trent, Eric Sevareid, William L. Shirer, Charles A. Siepmann, Rick Sklar, Station rep. firms, Supreme Court and radio, Sustaining programs, Technical organizations, Telecommunications Act of 1996, Lowell Thomas, Tokyo Rose, Less Tremayne, Walkman, Walter Winchell, "War of the Worlds," WQXR.

Essay Entries (5) in *ENCYCLOPEDIA OF INTERNATIONAL MEDIA AND COMMUNICATIONS*, edited by Donald H. Johnston. San Diego: Academic Press, 2003, 4 vols. Totaling about 50,000 words (and 40 published pages), these cover: Radio broadcasting to 1945, radio broadcasting after 1945, the telegraph industry, news agencies, and television, 1945-75.

Entries (3) in *THE OXFORD COMPANION TO UNITED STATES HISTORY*. New York: Oxford University Press, 2000. Entries on: William Paley, Radio broadcasting, and David Sarnoff.

Entries (5) in *AMERICAN NATIONAL BIOGRAPHY*. New York: Oxford University Press, 1998, multi-volume. Entries on: Elmer Engstrom, Harald Friis, Grace Hopper, A. Atwater Kent, and Edwin Land.

Entries (3) in *HISTORY OF MASS MEDIA IN THE UNITED STATES: AN ENCYCLOPEDIA*, edited by Margaret A. Blanchard. Chicago: Fitzroy-Dearborn, 1998. Entries on: Radio networks, the Bell System, and Westinghouse.

Entries (12) in *HISTORICAL DICTIONARY OF AMERICAN RADIO*, edited by Donald G. Godfrey and Frederic A. Leigh. Westport, CT: Greenwood Press, 1998. Entries on: Merlin Hall Aylesworth, Edouard Branly, Boake R. Carter, Alfred N. Goldsmith, Charles David Herrold, Heinrich Hertz, High Fidelity Era, John V.L. Hogan, Stanley C. Hooper, Alexander S. Popoff, Valdemar Poulsen, and A.A. Schechter.

Entries (4) and served on editorial board for *THE ENCYCLOPEDIA OF TELEVISION*, edited by Horace Newcomb. Chicago: Fitzroy Dearborn, 1997. Entries on: John Logie Baird, The

Communications Act of 1934, Deregulation, J.C.W. Reith, and William S. Paley. (This appeared in a revised edition in 2004.)

**! Research Articles, Chapters, Reports**

"Slow Fade: Seeking Radio's Future," invited chapter for Michael C.Keith, ed. *RADIO CULTURES* (New York: Peter Lang, 2008), in press.

"United States: Continuity and Change," invited chapter for David Ward, ed. *TELEVISION AND PUBLIC POLICY: CHANGE AND CONTINUITY IN AN ERA OF GLOBAL LIBERALIZATION* (New York: Lawrence Erlbaum Associates/Routledge, 2007), pp. 45-59.

"Breaking Chains: NBC and the FCC Network Inquiry, 1938-43," invited chapter for Michele Hilmes, ed. *NBC: AMERICA'S NETWORK* Berkeley: University of California Press, 2007, pp. 85-97.

"Sydney W. Head (1913-1991): Founder of Modern Broadcasting Studies," *JOURNAL OF BROADCASTING & ELECTRONIC MEDIA* (compiler/editor of this *estschrift* with nine contributors); 50:557-566 (September 2006).

"Fessenden's Christmas Eve Broadcast: Reconsidering an Historic Event," (with Donna L. Halper), *THE ANTIQUE WIRELESS ASSOCIATION REVIEW*, 19:119-139 (2006), peer-reviewed.

"Television Historian: An Appreciation of George Shiers (1908-83)," *THE ANTIQUE WIRELESS ASSOCIATION REVIEW*, 19:61-72 (2006).

"Transformation: The 1996 Act Reshapes Radio," invited article for *FEDERAL COMMUNICATIONS LAW JOURNAL*, 58:593-602 (June 2006).

"Pioneering Risks: Lessons from the U.S. Teletext/Videotex Failure," *IEEE ANNALS OF THE HISTORY OF COMPUTING*, 28:3:41-47 (July-September 2006), peer-reviewed.

"Face Off: Churchill and the BBC," *FINEST HOUR*, 128:9-12 (Fall 2005).

"Erik Barnouw (1908-2001)—Broadcasting's Premier Historian," *JOURNAL OF BROADCASTING & ELECTRONIC MEDIA* (compiler/editor of this *estschrift* with seven contributors); 49:354-361 (September 2005).

"Privatizing Russian Radio: A Post-Perestroika Perspective," (with Michael C. Keith and Anna Yudin), *THE RADIO JOURNAL*, 2:67-76 (2004), peer reviewed.

"HDTV As Policy Failure," *JOURNAL OF BROADCASTING & ELECTRONIC MEDIA* 47:146-

148 (March 2003), peer reviewed.

“U.S. Communications Industry Ownership and the 1996 Telecommunications Act: Watershed or Unintended Consequences?” in Howard Tumber, ed. *MEDIA POWER, PROFESSIONALS, AND POLICIES: ESSAYS IN HONOR OF JEREMY TUNSTALL*. London: Routledge, 2000, pp. 56-69.

“Biggest . . . for Now—Considering the AOL/Time Warner Merger,” *INFORMATION IMPACTS* (May 2000): [www.cisp.org/imp/may\\_2000/O5\\_00sterling.htm](http://www.cisp.org/imp/may_2000/O5_00sterling.htm)

“The 1996 Telecommunications Act: Redefining Universal Service in the U.S.,” in *TELECOMMUNICATIONS AND SPACE JOURNAL*, VOL. 5, edited by Lucien Rapp. Paris: SERDI, 1998; pp. 23-34.

“Radio and the Telecommunications Act of 1996: An Initial Assessment,” *JOURNAL OF RADIO STUDIES*, 4:1-6 (1996).

“Changing American Telecommunications Law: Assessing the 1996 Amendments,” in *TELECOMMUNICATIONS & SPACE JOURNAL*, VOL 3, edited by Lucien Rapp. Paris: SERDI/ Mahwah, NJ: Lawrence Erlbaum, 1996; pp. 141-165.

“The Golden Age of Programming,” (with John M. Kittross) in *COMMUNICATION IN HISTORY: TECHNOLOGY, CULTURE, SOCIETY*, edited by David Crowley and Paul Heyer. Boston: Allyn & Bacon, 2007 (5th ed.), pp. 217-223 (reprinted from our *STAY TUNED* text, this has appeared in each edition of this anthology since the early 1990s).

“Communications Policy,” Chapter 19 in *ENCYCLOPEDIA OF POLICY STUDIES*, edited by Stuart Nagel. New York: Marcel Dekker, 1994 (2nd ed.), pp. 453-482.

“An Appreciation of Erik Barnouw’s A History of Broadcasting in the United States,” in *FILM & HISTORY*, XXI: 2/3: 45-50 (May/September 1991), (peer reviewed).

“Telecommunications: An American Industry Under International Pressure,” edited four articles, *TELEMATICS & INFORMATICS*, 6:2: 65-86 (1989) and 7:1:43-52 (1990), peer reviewed.

“Billions in Licenses, Millions in Fees: Comparative Renewals and the RKO Mess,” *GANNETT CENTER JOURNAL*, 2:1: 43-53 (Winter 1988).

*AUTOMATIC DATA PROCESSING AND TELECOMMUNICATIONS IN THE FEDERAL GOVERNMENT*. Washington: Office of Management and Budget, Office of Information and Regulatory Affairs, January 1985. 55 pp. Co-authored (with K. Glakas) this annotated bibliography of laws, policies, regulations and associated documents under contract for the National Science Foundation.

*DISSEMINATION OF GOVERNMENT SCIENTIFIC AND TECHNICAL INFORMATION: SELECTED ISSUES AND OPTIONS.* Washington: National Science Foundation, 31 July 1984, 65 pp.

*POLICY ISSUES IN THE CANADIAN-AMERICAN INFORMATION SECTOR.* Montreal: Centre for the Study of Regulated Industries, McGill University, 1984, 170 pp. Co-editor with R. Schultz of this conference transcript volume.

“The Development of Cable Television in the United States,” *TRIMEDIA* (Paris: Spring 1983; reprinted in *THE MEDIA REPORTER* (London: Spring 1983 6:5:36-39); and in Esteban Lopez-Escobar and Claude-Jean Bertrand, eds. *LA TELEVISION POR CABLE EN AMERICA Y EUROPA* (Madrid, 1987), pp. 27-30.

“The FCC and Changing Technological Standards,” *JOURNAL OF COMMUNICATION*, 32:4:137-147 (Fall 1982), peer reviewed.

“Media Cross-Ownership and Cable TV in the USA,” *MEDIA INFORMATION AUSTRALIA*, 19:20-24 (February 1981).

“La pression du profit: structures economiques des media americains,” *TRIMEDIA* , Paris: Autumn/Winter 1979, pp.12-17.

“Trends in Daily Newspaper and Broadcast Ownership:1922-70,” *JOURNALISM QUARTERLY*, 52:247-256 (Summer 1975), peer reviewed.

“Decade of Development: FM Radio in the 1960s,” *JOURNALISM QUARTERLY*, 48:222-230 (Summer 1971), peer reviewed.

“Second Service: Some Keys to the Development of FM Broadcasting,” *JOURNAL OF BROADCASTING*, 15:181-194 (Spring 1971), peer reviewed.

“Newspaper Ownership of Broadcast Stations:1920-1968,” *JOURNALISM QUARTERLY*, 46:227-236, 254 (Summer 1969), peer reviewed.

“WTMJ-FM: A Case Study in the Development of FM Broadcasting,” *JOURNAL OF BROADCASTING*, 12:341-352 (Fall 1968), peer reviewed.

### ***! Bibliographic Essays, Reviews and Chapters***

(A selective listing not including many earlier essay articles as well as what are by now literally

thousands of individual published book reviews since 1968)

"Global Telecommunications Company History," *COMMUNICATION BOOKNOTES QUARTERLY*, 39:1 (Winter 2008), in press.

"Global Histories of Communication," *COMMUNICATION BOOKNOTES QUARTERLY*, 38:5-21 (Fall 2007).

"Who's on First? Pioneering Books on Telegraph, Telephone, Wireless and Broadcasting," *COMMUNICATION BOOKNOTES QUARTERLY*, 38:154-177 (Summer 2007).

"Biographies of Early Wireless/Radio Inventors," *COMMUNICATION BOOKNOTES QUARTERLY*, 37:223-233 (Fall 2006).

"Journalism: Encyclopedias and Reference Books Since 1985," *COMMUNICATION BOOKNOTES QUARTERLY*, 37:150-169 (Summer 2006).

"Assessing the Record: A Century of Historical Research," chapter 15 in Donald Godfrey, ed. *METHODS OF HISTORICAL ANALYSIS IN ELECTRONIC MEDIA* (Mahwah, NJ: Lawrence Erlbaum Associates, 2006), pp. 349-374.

"Wireless Pioneer: Biographies of Guglielmo Marconi (1874-1937)," *COMMUNICATION BOOKNOTES QUARTERLY*, 37:14-21 (Winter 2006).

"Radio References III: Industry, Technology, Minorities, Policy," (with Michael C. Keith), *COMMUNICATION BOOKNOTES QUARTERLY*, 36:211-236 (Fall 2005).

"Radio References II: People and Programs," (with Michael C. Keith), *COMMUNICATION BOOKNOTES QUARTERLY*, 36:143-171 (Summer 2005).

"History of the Telephone (Part 1): Invention, Innovation, and Impact," and "History of the Telephone (Part 2): Companies, People, and Policy," review essays in *COMMUNICATION BOOKNOTES QUARTERLY*, 35: 222-241 (Fall 2004); and 36:26-43 (Winter 2005)

"Histories of International Radio Propaganda," and "International Radio Propaganda in World War II," two review essays combined, in *COMMUNICATION BOOKNOTES QUARTERLY*, 35: 151-175 (Summer 2004).

"Review Essay: History of Telegraphy," *COMMUNICATION BOOKNOTES QUARTERLY*, 35: 79-92 (Winter 2004).

"Review Essay: History of Computer Programming/Software: From ALGOL to Windows XP," (with David Alan Grier), *COMMUNICATION BOOKNOTES QUARTERLY*, 34:151-167 (Summer 2003). This is also available on the IEEE Computer Society website.

“Review Essay: Histories of Computers: From Aiken to Zuse,” *COMMUNICATION BOOKNOTES QUARTERLY*, 33:221-242 (Fall 2002). This is also available on the IEEE Computer Society website.

“Review Essay: Development of Television to 1960: A Guide to Current Resources,” *COMMUNICATION BOOKNOTES QUARTERLY*, 32:221-238 (Fall 2000).

“Review Essay: U.S. Telecommunications Policy Since the 1996 Act,” *COMMUNICATION BOOKNOTES QUARTERLY*, 32:78-94 (Spring 2000).

“Review Essay: Cryptography in 20th Century History,” *COMMUNICATION BOOKNOTES QUARTERLY*, 30:151-166 (Summer 1999); 30: 224-227 (Fall 1999); and 33:101-105 (Spring 2002).

*EARLY TELEVISION: A BIBLIOGRAPHIC GUIDE TO 1940* (compiled by George and May Shiers). New York: Garland Publishing, 1997, 616 pp. (I served as project manager in the 13-year effort to get this reference work funded, edited, indexed, and to publication after the deaths of its compilers.)

“Understanding the Telecommunications Act of 1996: Essay Review,” *FEDERAL COMMUNICATIONS LAW JOURNAL*, 49:509-515 (February 1997).

“Seeking Influence: The Dozen Most Important Electronic Media Books Since 1956,” *JOURNAL OF BROADCASTING & ELECTRONIC MEDIA*, 40:597-600 (Fall 1996).

“American Books on Telecommunications Policy: 1990-93,” in *TELECOMMUNICATIONS & SPACE JOURNAL*, VOL. 1, edited by Lucian Rapp. Paris: SERDI/Mahwah, NJ: Lawrence Erlbaum, 1994, pp. 339-356.

“American Electronic Media: A Survey Bibliography,” *AMERICAN STUDIES INTERNATIONAL*, 29:2:28-54 (October 1991).

“Assessing the Literature on Divestiture and its Aftermath,” *FEDERAL COMMUNICATIONS LAW JOURNAL*, 40:295-303 (April 1988).

“Books on Broadcasting and Electronic Media,” and “Journals on Broadcasting and Electronic Media,” *BROADCASTING & CABLE YEARBOOK*, 1978-1998, annual.

“TELEVISION AND DRUGS: A REVIEW OF THE LITERATURE ON THE SCOPE AND IMPACT OF PROGRAM CONTENT AND ADVERTISING OF DRUGS ON BROADCAST TV, 1973-1987.” (Unpublished: done under contract for the National Association of Broadcasters, September 1987).

“A REVIEW OF THE LITERATURE ON THE SCOPE, CONTENT, AND IMPACT OF TELEVISION AND RADIO ADVERTISING OF WINE AND BEER PRODUCTS, 1975-1984.” (Unpublished; done under contract for National Association of Broadcasters, March 1984).

“ECONOMIC ANALYSES OF THE COMMERCIAL RADIO BUSINESS: A REVIEW OF THE LITERATURE OF THE 1970s.” (Unpublished; done under contract for National Association of Broadcasters, January 1980).

“Doctoral Programs in Broadcasting/Mass Communication,” in *EDUCATIONAL MEDIA YEARBOOK*, edited by James W. Brown. Littleton, CO: Libraries Unlimited, 1978 to 1982, annual. Annually-revised directory of such programs.

*ASPEN HANDBOOK ON THE MEDIA: 1977-79 EDITION—A SELECTIVE GUIDE TO RESEARCH, ORGANIZATIONS AND PUBLICATIONS IN COMMUNICATIONS*, edited by William Rivers, et al. New York: Praeger, 1977 (3rd ed.). Contributed following portions: pp.60-63, 174, 187-197, 278-280, 353-370, and 356-396.

“A Selective Guide to Sources on Public Broadcasting,” in *THE FUTURE OF PUBLIC BROADCASTING*, edited by Michael Nyhan. New York: Praeger, 1976, pp. 333-352.

*THE MEDIA SOURCEBOOK: COMPARATIVE REVIEWS AND LISTINGS OF TEXTBOOKS IN MASS COMMUNICATIONS*. Washington: National Association of Educational Broadcasters, 1974. 53 pp. (Annual updates continued in issues of *PUBLIC TELECOMMUNICATIONS REVIEW* appeared through 1980.)

**! Forewords (to books done by others)**

"Changing Media Ownership," in Ronald E. Rice, ed. *MEDIA OWNERSHIP: RESEARCH AND REGULATION*. Cresskill, NJ: Hampton Press, 2007, in press.

“Remembering the Excitement,” in *COMMUNICATIONS SATELLITES: GLOBAL CHANGE AGENTS* edited by Joseph N. Pelton and Robert J. Oslund. Mahwah, NJ: Lawrence Erlbaum Associates, 2004, pp. ix-xii.

“Discovering Broadcasting’s Birthplace,” in *CHARLES HERROLD: THE FIRST BROADCASTER* by Gordon L. Greb and Michael C. Adams. Jefferson, NC: McFarland, 2003, pp. 1-3.

“Watching Television Grow,” in *THE HISTORY OF TELEVISION, 1942 to 2000* (Vol. II), by Albert Abramson. Jefferson, NC: McFarland, 2003, pp. ix-x.

“Rescuing a Television Pioneer,” in *INVENTION AND INNOVATION: TELEVISION’S PHILO*

*T. FARNSWORTH* by Donald G. Godfrey. Salt Lake City: University of Utah Press, 2001, pp. xi-xii.

“Considering Who Owns the Media,” in *WHO OWNS THE MEDIA: COMPETITION AND CONCENTRATION IN THE MASS COMMUNICATION INDUSTRY* by Benjamin M. Compaine and Douglas Gomery. Mahwah, NJ: Lawrence Erlbaum Associates, 2000, pp. xv-xviii.

## ***! International Experience***

### EUROPE

Belgium: made presentations about American telecommunications at two conferences held in Brussels, May 1995, December 1997.

Britain: made three presentations about changing American telecommunications policies at conferences concerning equipment standardization, London, 1995-97.

Central Europe: (Czech Republic, Hungary, Poland) Non-government member of a State Department/AID team visit to develop training programs for new telecommunications regulators. Budapest, Prague, and Warsaw, January 1993.

France: Visiting professor, Institute of International Studies, University of Toulouse I, May 1995; offered an advanced seminar on American telecommunications industry and policy. French Telecom/Direction de L'enseignement Supérieur des Télécommunications. Paris, Evry, and Brest, June 1988.

Monaco: Delivered invited paper on changing U.S. telecommunications ownership policy for “Monacom 96” international conference, March 1996.

Spain: invited talk on the development of American radio at conference on “Radio USA 1984,” Center for North American Studies, Barcelona, June 1984.

### THE AMERICAS

Canada: co-directed a conference on Policy Issues in the Canadian-American Information Sector, McGill University, Montreal, November 1983.

Chile: Consultant team member suggesting revisions in Chilean telecommunications basic law for Inter-American Development Bank and Chilean Ministry of Economics and Subministry of Telecommunications. Santiago, December 1991.

Venezuela: Designed a graduate telecommunications curriculum on behalf of the Ministry of

Transport and Communications. Returned two years later to teach an advanced course in international standards and communications policy at University of Simon Bolivar, Caracas, October 1982 and November 1984.

Washington, DC: Presentation once or twice a year surveying U.S. telecommunications policy for Foreign Service Officers training program, U.S. Department of State, 1994 to present; brief seminar on American telecommunication industry and policy, U.S. Telecommunications Training Institute (USTTI), for visiting Third World/Eastern European groups, 1989 to present; "Information USA," selected 400 volume and 50 periodical library for the USIA-sponsored exhibit held in nine cities of the USSR, and assisted in training of docent/hosts, 1987; offered international communications issues seminar for USIA junior foreign service officers, 1985-87.

### ASIA

Hong Kong: Four invited lectures on American multimedia and information policy to business and academic groups, and participated in a workshop for the then-colony's telecommunications regulatory authority, October 1996.

### ***! Education***

1969 Ph.D, Communication, University of Wisconsin–Madison. Dissertation: Second Service: A History of Commercial FM Broadcasting to 1969 (University Microfilms No. 70-3716)

1967 M.S., Communication, University of Wisconsin–Madison. Thesis: WTMJ-FM: The Milwaukee Journal FM Station, 1939 to 1965.

1965 B.S., Political Science, University of Wisconsin–Madison. Minors in history and mass communication.

### ***! Other Professional Experience***

#### A. PROFESSIONAL EXPERIENCE

Expert Witness: Mutual Broadcasting System v. Arlington County, 1999. Concerned defining a "broadcast service" for purposes of local taxation under Virginia law.

Trustee: Viacom/Paramount: Minority share holding in three Combined Communications major-market UHF commercial stations, 1994 to 1996 (pending an FCC rules change).

Consulting: includes National Association of Broadcasters, Benton Foundation, the governments of Chile and Venezuela, several universities, many publishers, etc.

On-Air Interview: *THE CHARLES HERROLD STORY*, produced by Mike Adams (PBS station KTEH, San Jose, CA, 1993). One of several interviewed subject specialists.

Reader: Radio Information Center for the Blind, Philadelphia, 1975 to 1980. Also served as chairman of the RICB board.

College Positions: Summer intern: WTMJ AM-FM-TV (Milwaukee Journal), Milwaukee, WI, 1965 and 1966; Part-time announcer: WHA AM-FM-TV (Univ. Of Wisconsin), Madison, WI, 1961 to 1969.

#### B. GOVERNMENT TESTIMONY

*(all of these were invited appearances)*

“Localism and Station Ownership,” before the Federal Communications Commission, FCC Headquarters, October 31, 2007.

“Thoughts on Developing a National Information Infrastructure.” Office of Management and Budget policy seminar, Old Executive Office Building, October 14, 1993.

Background Briefings before members and staff of House Subcommittee on Telecommunications, Consumer Protection and Finance (Committee on Energy and Commerce), March 10, 1983 and March 16, 1981.

“Electronic Media Ownership Concentration,” before House Subcommittee on General Oversight and Minority Enterprise (Committee on Small Business), March 3, 1980, printed in MEDIA CONCENTRATION: HEARINGS (PART 2), 96th Cong., 2nd Sess., pp.30-143.

#### C. MAJOR ACADEMIC ASSOCIATION ACTIVITY

BROADCAST EDUCATION ASSOCIATION (BEA), Washington D.C. Elected member of Board of Directors 1983 to 1985, developed national convention program in 1985, Vice-Chairman, 1985 to 1986, Chairman, 1986 to 1988. Chair, publications committee, 1994-2000. (This is the national association for academic programs in electronic mass media.)

ACCREDITING COUNCIL FOR EDUCATION IN JOURNALISM AND MASS COMMUNICATION (ACEJMC), member representing BEA 1986-90; served on accrediting teams to Universities of Florida (1988), Alaska Anchorage (1990), Alabama (1990), North Dakota (1991), Syracuse (1992), North Texas State (1992), Colorado (1992), and Kentucky (1997).

#### ***! Avocational Publications***

(My recreational interests are described on the link pages on [www.ChrisSterling.com](http://www.ChrisSterling.com) ; related publications—those outside my professional/academic fields of interest—include the following)

"Pan American's Flying Boat Bases, Part 1: Botwood, New York and Baltimore," *SKYWAYS*, 84:2-12 (October 2007). There are four further articles forthcoming in this series.

"French Connection: The Latecoere Flying Boats," *SKYWAYS*, 83:33-44 (July 2007).

"Dornier Do X: Pioneering Widebody," *SKYWAYS*, 82:15-25 (April 2007).

"The First Pan American Clipper: Sikorsky's S-40 Flying Boats," *SKYWAYS*, 80:3-15 (October 2006).

"Italian Interlude: A 1929 Flying Boat Shuttle," *SKYWAYS*, 78:3-5 (April 2006).

"Odd Duck: The Short-Mayo Composite," *SKYWAYS*, 74:2-10 (April 2005).

Entries (2) in *ENCYCLOPEDIA OF 20TH-CENTURY TECHNOLOGY* edited by Colin A. Hempstead and William E. Worthington, Jr. New York: Routledge, 2005. Each was about 1,500 words: Aircraft Carriers; and Hovercraft, Huydrofoils and Hydroplanes.

"Saving Time: Ship-Launched Ocean Airmail Services, 1926-1939," *SKYWAYS*, 73: 28-44 (January 2005).

"Looking Forward: Pioneering Predictions of Air Transport [1917-1920]," *SKYWAYS*, 72: 31-36 (October 2004).

"Aviation in the Golden Age: Civil Push and Military Pull," and "Low-Flying Airlines: Deregulation's Aftermath," *AVIATION 100: A CENTURY OF MANNED, POWERED FLIGHT, VOLUME 3* (2004), pp. 60-63, and 134-140.

Entries (10) in *ENCYCLOPEDIA OF WORLD WAR I*, edited by Spencer C. Tucker. Santa Barbara, CA: ABC-CLIO, 2005, 4 vols. These totaled 6,500 words and included Lord Beaverbrook, Winston Churchill, Coastal Artillery, Lusitania sinking, Propaganda, and Radio, among other military and political topics.

Entries (23) in *ENCYCLOPEDIA OF WORLD WAR II* edited by Spencer C. Tucker. Santa Barbara, CA: ABC-CLIO, 2005, 5 vols. These totaled about 9,000 words and included the Atlantic Wall, "Axis Sally," Lord Beaverbrook, Neville Chamberlain, Coastal Defense, "Lord Haw-Haw," Maginot Line, Propaganda, and "Tokyo Rose," among other topics.

"Churchill Afloat: Liners and The Man," *FINEST HOUR*, 121: 16-22 (Winter 2003-4).

"Churchill and Air Travel," *FINEST HOUR*, 118: 24-29 (Spring 2003).

“Revisiting an Old Controversy: Review of Kenneth Bowling’s Peter Charles L’Enfant for H-NET BOOK REVIEW. Published by H-DC@h-net.msu.edu (May 2003)

Editor, *CHURCHILLIAN*, thrice-yearly newsletter of the Washington Society for Churchill, 2002-present. Each of these includes a bibliographic essay on some aspect of the huge literature on Churchill.

Entries (48) in *ENCYCLOPEDIA OF AIR POWER* edited by Walter J. Boyne. Santa Barbara, CA: ABC-CLIO, 2002, two vols. My 48 entries ranged from 400 to 1,500 words each and included individuals, companies, and specific events.

“The Age of Lighter Than Air,” and “Sovereigns of the Seas: Carriers Eclipse the Battleship,” *AVIATION 100: CELEBRATING A CENTURY OF MANNED, POWERED FLIGHT, VOLUME 2* (2002), pp. 54-59; 72-79.

*COMMERCIAL AIR TRANSPORT BOOKS: AN ANNOTATED BIBLIOGRAPHY OF AIRLINES, AIRLINERS, AND THE AIR TRANSPORT INDUSTRY*. McLean, VA: Paladwr Press, 1996, 303 pp.; and *SUPPLEMENT* (1998). About 3,500 entries arranged by subject matter, and indexed.

Foreword to *AIRLINES OF ASIA SINCE 1920* by R.E. G. Davies. London: Putnam, 1997, pp. vii-ix.

Reviews editor of *AIRWAYS: A GLOBAL REVIEW OF COMMERCIAL FLIGHT* (monthly) since 1997. Author 2-5 reviews per month.

Numerous book reviews, *COAST DEFENSE JOURNAL*, (quarterly) 1992-present.

## **! Other Information**

### AWARDS AND RECOGNITION:

2005 Keith, Michael C. "Christopher H. Sterling: A Protean and Prolific Presence," *JOURNAL OF BROADCASTING & ELECTRONIC MEDIA*, 49:128-134 (March 2005). A review of my professional career.

2005 One of five people (two living) profiled and honored as the first "BEA Distinguished Scholars" including a panel, and also co-keynote speaker, Broadcast Education Association convention, Las Vegas, April.

2004 Subject of a session honoring my career, Eastern Communication Association, Boston, April.

2004 My *ENCYCLOPEDIA OF RADIO* recognized by American Library Association with RUSA award

2004 First listed in *WHO'S WHO IN AMERICA* (and later also added to *WHO'S WHO IN SCIENCE AND ENGINEERING*)

2003 Frank Stanton Fellow, International Radio-Television Society Foundation

1994 Distinguished Education Service Award, Broadcast Education Association.

1983 Broadcast Preceptor Award, San Francisco State University (I have received two of these...this for *COMMUNICATION BOOKNOTES*, and an earlier one for the co-authored book *STAY TUNED*)

1968 Dissertation Year Ford Fellowship, University of Wisconsin

PERSONAL DATA:

Born in Washington, D.C.; married to Ellen; two adult daughters, Jennifer and Robin; one granddaughter. Reside in Northern Virginia.

*October 2007*