

## **PUBLISHED BOOKS**

[Telecommunications and Data Communications Handbook \(2008\):](#)

[http://www.amazon.com/Telecommunications-Data-Communications-Handbook-Horak/dp/0470396075/ref=sr\\_1\\_1?ie=UTF8&s=books&qid=1226508503&sr=1-1](http://www.amazon.com/Telecommunications-Data-Communications-Handbook-Horak/dp/0470396075/ref=sr_1_1?ie=UTF8&s=books&qid=1226508503&sr=1-1)

[Webster's New World Telecom Dictionary \(2007\):](#)

[http://www.amazon.com/Websters-New-World-Telecom-Dictionary/dp/047177457X/ref=sr\\_1\\_5/002-9654582-0998469?ie=UTF8&s=books&qid=1185925417&sr=1-5](http://www.amazon.com/Websters-New-World-Telecom-Dictionary/dp/047177457X/ref=sr_1_5/002-9654582-0998469?ie=UTF8&s=books&qid=1185925417&sr=1-5)

[Communications Systems and Networks \(1997, 2000, 2002\):](#)

<http://www.amazon.com/exec/obidos/ASIN/0764548999/qid%3D1031326507/sr%3D2-2/ref%3Dsr%5F2%5F2/103-2106836-2423045>

## **PUBLISHED COLUMNS**

Ray Horak was for several years a featured columnist for Commweb, the master portal for CMP Media. Following is a partial list of *In The Classroom* columns:

- Dedicated vs. Switched Networks
- Circuits, Packets, Frames, and Cells
- Transmission Media: An Overview
- SONET vs. DWDM
- Frame Relay Basics
- Voice over Frame Relay (VoFR)
- ATM Fundamentals
- Voice over ATM (VoATM)
- TCP/IP Essentials
- Voice over IP (VoIP)
- T-Carrier Basics
- High-Bit-Rate Digital Subscriber Line (HDSL)
- Asymmetric Digital Subscriber Line (ADSL)
- G.Lite
- Voice over DSL (VoDSL)
- OSI Reference Model
- Cable Modems
- Bandwidth vs. Throughput
- Oops! All About Error Control

- Passive Optical Network (PON)
- LAN Basics
- Ethernet Essentials
- Bridges and Hubs
- LAN Switches
- Wireless LANs (WLANs): Focus on 802.11b
- Wireless LANs (WLANs): Focus on 802.11a
- Bluetooth
- Metro Ethernet
- Metro Ethernet: A Case Study
- Top 10 Rules for Networking
- Wireless Fundamentals
- Wireless Local Loop (WLL)
- Free Space Optics (FSO)
- PBXs: The Conventional Kind
- Centrex: The Conventional Way
- IP Centrex
- Pure SIPlicity
- Passive Optical Network (PON) Redux
- IP Security: Loose IPs Sink Ships
- How To Work with A Network Consultant
- MPLS: FR RIP
- Access Broadband over Power Line (BPL)
- In-House Broadband over Power Line (BPL)
- WiMAX (WLL by The Numbers)
- Voice over Wi-Fi (VoWiFi)

## **PUBLISHED PRINT ARTICLES**

Ray Horak has authored, co-authored and collaborated on over 200 articles for major industry print publications, a representative list of which follows:

*How to Choose A TeleManagement System*, TELECONNECT, November 1988

*Using Software for Hard Results*, TCA Extensions, January/February, March/April, and May/June, 1989

*The TeleManagement Symphony*, Network World, February 1989

*Cultivating the Network*, *AT&T's Unified Network Management Architecture*, Network World, May, 1989, ICA Issue

*How to Build a Maker/Distributor Relationship through Software*, TELECONNECT, June 1989

*Coming to Terms*, Network World, September, 1989

*Call Accounting Advances*, TELECONNECT, October 1989

*Customized Software Development: Effective Partnership is Key*, PROCOMM, December 1989

*You Can Negotiate Anything--Within Limits!*, TELECONNECT, June, 1990

*Opportunities in Asia: A Profile of the Asia-Pacific Telecommunity*, PROCOMM, June 1990

*PTC '90 Emphasizes the Pacific Commonwealth of Communications*, PROCOMM, July/August, 1990

*Opportunities in Asia: Focus on Thailand*, PROCOMM, July/August, 1990

*Poland Examines Laws to Open Telecom Competition*, Network World, July 23, 1990

*Advanced Intelligent Nets Wave of the Future*, Network World, July 30, 1990

*World Communications--Hong Kong Perspective*, PROCOMM, January/February, 1991

*You Get Out Of It What You Put Into It--Or Do You?*, TELECONNECT, June 1991

*Cooking up a Net Management Solution*, Network World, June 3, 1991

*CBTA Emphasizes Global Communications*, PROCOMM, October, 1991

*Shows: Working the Floor*, PROCOMM, June 1992

*Networks & Network Management: 1992--The Year in Review*, Voice Processing Magazine, December 1992

*Frame Relay Quickly Becoming A Service In Demand*, Telecommunications Reseller Opportunities, February 1997.

*TeleManagement Software Systems and Service Bureaus: Critical Tools for Complex Networks*, Journal of Telecommunications in Higher Education, Spring, 1997

*CT Expo: Best of Show*, Computer Telephony, April 1997

*Computer Telephony: Ready for Prime Time?*, Telecommunications Insider, April 1997.

*The Consultant Selection Process: Defined, Described and Demystified*, Journal of Telecommunications in Higher Education, Spring, 1998

*CT Expo: Best of Show*, Computer Telephony, April 1998

*Client/server PBX? Give Me A Break!*, Point/CounterPoint, Computer Telephony, October 1998

*Are WLAN Security and Standards Enterprise-Worthy?*, Net Insights, Network Magazine, August 2002

*Convergence Technology (CT): Leading the Way, Computing Channels, September 2002*

*Circuit Switching: Reports of Its Death, The Prepaid Press, May 2003*

*Packet Switching: It's Better than New, The Prepaid Press, June 2003*

*IP Centrex, Communications Convergence, January 2004*

Plus approximately 100 articles as Technology Editor for Telecom Reseller, 2008-

## **PUBLISHED WHITE PAPERS**

*DATAPRO COMMUNICATIONS ANALYST 1990 & 1991*

*TeleManagement Systems and Software: Market Overview*

*TeleManagement Systems and Software: Technology Overview*

*The TeleManagement Ensemble*

*Network Design/Optimization: Technology Overview*

*NYNEX Allink Company, Allink Operations Coordinator*

*Objective Systems Integrators (OSI), NetExpert Tool Kit*

*TelWatch Inc., NetExec*

*Cincinnati Bell Information Systems (CBIS), CMS & ICE-9*

*Peregrine Systems, PNMS*

*Stonehouse & Company MONIES*

*Telco Research Corporation, CCO*

*Telecommunications Software, Inc. (TSI) Telephone*

*Analysis and Billing System (TABS)*

*Westinghouse Communications Software, Inc.*

*XTEND Communications TeleManagement Systems*

1991

*PBX versus Centrex Comparison*

*Rolm CBX Architecture*

*Outsourcing Telecommunications*

*ISDN: Promise, Product or Puzzle?*

1992 & 1993

*Pacific Telesis Network Access Services*

*US West Network Access Services*

*Pacific Telesis Centrex Services*

*The TeleManagement Ensemble*

*IBM Callpath Services*

*PBX Versus Centrex Comparison*

*TeleManagement Systems and Software: Overview*

*US West Centrex Services*

*Digital Equipment Corp. CIT*

*AT&T ASAI*

*Network Multimedia Applications*

*Centrex Management Systems*

*The Strata Group--C III*

1992 & 1993

*Boole & Babbage, NET Command & Command Post*

*Xiox Corporation, Telecommunications Management*

*IntegraTRAK, Inc., Integrated Tracking Systems*

*TeleManagement Service Bureau Overview*

1994 & 1995

*PBX Versus Centrex Comparison*

*TeleManagement Systems and Software: Overview*

*The TeleManagement Ensemble*

*The Strata Group--C III*

*ISDN: To Be Delivered as Promised?*

*The Angeles Group*

*Xiox Corporation, Telecommunications Management*

*IntegraTRAK, Inc., Integrated Tracking Systems*

*TeleManagement Service Bureau*

*Stonehouse & Company--MONIES*

*IBM CallPath*

*Tadiran Coral ISBX*

*Telemanagement Service Bureau Overview*

1996

*IBM CallPath Services Architecture*

*IBM DirecTalk*

*PBX versus Centrex Comparison*

*Voice Network Fraud*

*Fujitsu FETEX-150 ESP Series*

*Lucent Technologies GlobeView-2000*

*DATAPRO WORLDWIDE IT ANALYST*

1997

*Siemens Stromberg-Carlson MainStreetXpress*

*Managing Corporate Voice Networks*

*The Evolution of Virtual Network Services to Integrated Network Services*

*CAPs/CLECs in the U.S.: Overview*

*Choosing a Public Data Service*

*Teleconferencing*

*International Virtual Network Services*

*Virtual Network Data Services in the U. S.*

*Fax Networking Services: Overview*

*Videoconferencing Services in the U.S.: Overview*

*Telemangement Service Bureau Overview*

1998

*Billing Issues*

*The TeleManagement Ensemble*

*IBM CallPath Services Architecture*

*IBM DirecTalk*

*DATAPRO MANAGING GLOBAL COMMUNICATIONS*

1998

*The Angeles Group*

*PBX versus Centrex Comparison*

*Voice Network Fraud*

*Centrex: Technology Overview*

*Managing Corporate Voice Networks*

*The Evolution of Virtual Network Services to Integrated Network Services*

*Choosing a Public Data Service*

*Teleconferencing*

*Virtual Network Data Services in the United States*

*Videoconferencing Services in the United States: Overview*

*Fax Networking Services: Overview*

*Landmark Systems: The Monitor Performance Series*

1999

*Billing Issues*

*Managed Services*

*Telemanagement Systems and Software: Overview*

*Centrex: Technology Overview*

2000

*Teleconferencing*

*Introduction to ATM Technology*

*Introduction to ATM Services*

*Introduction to Frame Relay Technology*

*Introduction to Frame Relay Services*

*Centrex versus PBX Comparison*

*Centrex: An Introduction*



2001

*Voice over Frame Relay: Overview*

*Voice over ATM: Overview*

*Introduction to ATM Services*

*Introduction to Frame Relay Services*

*Centrex versus PBX Comparison*

2002

*Centrex: An Introduction*

*Voice over Frame Relay: Overview*

*Voice over ATM: Overview*

*Voice over IP and the Internet*

*Introduction to High-Speed Ethernet Services*

*Introduction to Frame Relay Services*

*Introduction to ATM Services*

*Centrex versus PBX Comparison*

2003

*Basic Concepts of Communications: An Introduction*