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# FIVE



## Bibliography





### Explosive New World

In a recent column, Tom Peters wrote that anyone who isn't confused by all the developments in new media technology is simply out of touch. Hardly a day goes by without another announcement of a new application of technology, a merger, or co-marketing agreement which promises to change our lives forever. Cyberspace is being staked out at a pace that makes the Oklahoma land rush look like a slow waltz.

THE REDGATE REPORT ON NEW MEDIA will attempt to keep you posted – and confused! – on the latest developments each week. We'll mention – but spend less space on – the blockbuster news, to make room for more arcane developments which might otherwise escape your attention. We're interested in hearing your comments, so communicate early and often to the phone and e-mail address below.

Ted Leonsis, President & CEO,  
Redgate Communications Corp.  
Redgate Report, 4/14/94

*The field of information design is exploding with new magazines, newspapers and online newsletters.*

*Anyone who wants to stay in touch with the emerging industry must keep up with dozens of publications as well as keep abreast of the latest research in relevant fields of journalism, psychology and human factors.*

*And never underestimate the value of friends who clip and send articles of interest.*

This section is organized into three sections: 1) publications that I believe are important to scan for day-to-day developments in the industry, 2) books and articles that are cornerstones of the field, and 3) research that is relevant to information, subdivided by domain (design, journalism, and psychology).

### Regular reading

#### Personal selections:

Summary/compilation of articles from weekly survey of general and trade press; Knight-Ridder Information Design Laboratory  
The Redgate Report on New Media, on Presslink  
Media Express, on Presslink  
A major daily newspaper (e.g. *The Kansas City Star*)  
The Wall Street Journal special sections on technology  
*Forbes/ASAP*, special section on technology

#### Trade and General interest publications relevant to Information Design

The following list is compiled from several sources

**Journal of Object-Oriented Programming,** SIGS Publication

**Interacting with Computers:** The Interdisciplinary Journal of Human-Computer Interaction, British HCI Group, Butterworth-Heinemann

**Upside:** The Business Magazine for the Technology Elite, Upside Publishing Co.

**Quill:** The Magazine for Journalists, Society of Professional Journalists

**Design:** Society Of Newspaper Design

**Ideas:** The Monthly Magazine of the International Newspaper Marketing Association, International Newspaper Marketing Association

**CompuServe Magazine,** CompuServe Inc.

**IFRA Newspaper Techniques:** The monthly publication of the INCA-FIEJ Research Association

**The Cost of Technology: Information Prosperity & Information Poverty,** A Conference Report, 1987

Gannett Center for Media Studies, Columbia University, New York  
*Note: Now known as The Freedom Forum Media Studies Center*

**Newspaper Focus:** The Award Winning Magazine for the Newspaper Industry, Haymarket Trade and Leisure Publications Ltd.

**LAN Times:** McGraw-Hill's Information Source for Network Computing, McGraw-Hill Inc.

**The Washington Post:** National Weekly Edition, The Washington Post

**Desktop Video World:** An IDG Communications Publication; TechMedia Publishing, Inc.

**PEN:** Personal Electronics News; PenWorld Inc.

**Petersen's PHOTOgraphic:** Petersen Publishing Co.

**Popular Photography:** World's Largest Imaging Magazine; Hachette Magazines, Inc.

**MacWeek:** The Newsweekly for Macintosh Managers; Ziff-Davis Publishing Co.

**PCWeek:** The National Newspaper of Corporate Computing; Ziff-Davis Publishing Co.

**ComputerWorld,** The Newspaper of Information Systems Management; CW Publishing Inc.

**Newspapers & Technology:** Helping Newspapers Apply and Integrate Technology; Media Business Corp.

**Frames:** A Monthly Publication For Sponsors of the Media Laboratory, MIT, Massachusetts Institute of Technology

**The Cole Papers:** Technology, Journalism, Publishing; The Cole Group

**The New Yorker;** The New Yorker Magazine Inc.

**Mobile Office;** CurtCo Publishing

**Multimedia,** The World of Macintosh;

Redgate Communications Corp.

**Metropolis:** The Magazine of Architecture and Design; Bellerophon Publications Inc.

**CFO:** The Magazine for Senior Financial Executives; CFO Publishing Corp.- The Economist Group

**CIO:** The Magazine for Information Executives; CIO Publishing Inc. - International Data Group

**Signature:** The Authority on Publishing Technology; SouthWind Publishing Co.  
*NOTE: formerly Magazine Design and Publication*

**PC Magazine:** The Independent Guide to Personal Computing; Ziff-Davis Publishing Corp.

**On The Line** (Japanese)

**News Inc.:** The Business of Newspapers; Fadner Media Enterprises

**Newsweek**

**NewMedia:** Multimedia Tool Guide; HyperMedia Communications Inc.

**Mondo 2000:** Fun City MegaMedia

**Mediaweek:** The Magazine of the Media Marketplace; BPI Communications

**MacWorld:** The Macintosh Magazine; MacWorld Communications - IDG: International Data Group

**MacUser;** Ziff-Davis Publishing Co.

**Link:** The Magazine of the Yellow Pages Medium; Yellow Pages Publishers Association

**PressTime:** The Magazine of the Newspaper Association of America

**Editor & Publisher**

**Forbes** (and ASAP, A Technology Supplement to Forbes Magazine)

**Fortune**

**The Economist**

### **Companies to watch**

Compiled from the files of clipped articles at the IDL.

3DO  
Adobe  
Advanced Technology Incubator Inc.  
Apple  
AT&T  
Bell Atlantic  
Bell South  
Belo  
Bertelsmann  
British Telecommunications  
CableVision  
Capital Cities / ABC  
Casio  
Clarix  
Compaq  
Compuserve  
Cowles Media Co.  
Cray Computers  
Dialog / Vendor  
Disney  
Dow Jones  
EDS (Electronic Data Systems Corp.)  
EON/ TV Answer  
Gannett  
GeoSystems  
GeoWorks  
General Magic  
GTE  
Hearst  
Hewlett-Packard  
IBM  
Independent Telecommunications  
Individual Inc.  
Insider's Guide Inc. (IGI)  
Intel  
Knowledge Adventure  
Kodak  
KRI (Knight-Ridder Inc.)  
Lee Enterprises  
Liberty Media  
McClatchy Newspapers  
Media General  
Microsoft

Motorola  
 MPR Teltech Ltd.  
 M-Tel (Mobile Telecommunications Technologies)  
 Nasdaq  
 News Corp.  
 NEC Technologies Inc  
 NEXTEL  
 New York Times Co.  
 Northern Telecom  
 NYNEX Corp.  
 Oracle  
 Pac-Bell (Pacific Telesis)  
 Paramount  
 Prodigy Services Co.  
 Quantum  
 Quark  
 QVC  
 R.R. Donnelley & Sons  
 Reuters  
 Slate  
 Sharp  
 Sony  
 Southwestern Bell  
 Spectrum  
 Sprint  
 TCI (TeleCommunications Inc.)  
 Times-Mirror  
 Time Warner  
 Tribune Media Co.  
 Tribune/Swab Fox  
 US West  
 ViaCom Int'l  
 WalkSoft (News In Motion)  
 Warner Bros.  
 Washington Post Co.  
 Xerox

**Time**  
**U.S. News & World Report**

**CJR:** Columbia Journalism Review;

**AJR:** American Journalism Review

**BusinessWeek** (McGraw-Hill)

**InfoText:** Interactive Telephone Applications; Advanstar Communications

**Datamation:** for Corporate Computing Professionals Worldwide,

**Cahners Publishing Co. :** Reed Publishing USA

**Corporate Computing:** The Magazine of the Reengineering Age, Ziff-Davis Publishing

**Computer Artist:** The Magazine for Creative Professionals; PennWell Publishing Co.

**Communications of the ACM:** A Monthly Publication of the Assoc. for Computing Machinery; ACM Press

**Color Publishing;** PennWell Publishing Co.

**Wired;** Wired USA Ltd.

**CD-ROM World:** The Magazine and Review for CD-ROM Users; Meckler Corporation

**CableVision;**Diversified Publishing Group, Capital Cities Media Inc.

**Byte:** The Worldwide Computing Authority; McGraw-Hill Publishing

**AXIS:** Quarterly on Trends in Design (World Design Journal); (Japanese)

**Aldus Magazine,** Aldus Corporation

**AI Expert:** The Magazine of Artificial Intelligence in Practice, Miller Freeman Inc.

**PANPA Bulletin:** Pacific Area Newspaper Publishers' Assoc.

**Publish:** The Art and Technology of Electronic Publishing; Integrated Media Inc.

**Pre: Applying Prepublishing & Prepress Technology;** SouthWind Publishing Co.

**Scientific American;** Scientific American Inc.

**Technology Review:** Edited at the Massachusetts Institute of Technology; Association of the Alumni and Alumnae of the MIT

**Advertising Age:** Crain's International Newspaper of Marketing; Crain Communications Inc.

**InfoWorld:** The Voice of Personal Computing in the Enterprise; IDG: International Data Group

**Seybold:**  
Report on Desktop Publishing  
Report on Publishing Systems  
Digital Media

**Lab Report:** Notes from Southam Inc.'s Electronic Information R&D lab

**Electronic Services** Update (Link Resources Corp)

**Information & Interactive Services Report** (BRP Publications)

**MediaWatch** (Media Research Center)

**Multimedia Week:** The Executive Report on Business Opportunities in the Multimedia Marketplace (Phillips Business Information Inc.)

**Design Tools Monthly:** All the News in Electronic Pre-Press

**Electronic Marketplace Report:** News Analysis & Opinion for the Emerging Business of Electronic Shopping and Commerce (SIMBA/Communications Trends)

**Communique:** The Freedom Forum Media Studies Center

**The Gilbane Report:** on Open Information & Document Systems; (Publishing Technology Management Inc.)

**Information Today:** The Newspaper for Users and Producers of Electronic Information Services; Learned Information Inc.

## **Cornerstone publications**

Books and articles of particular importance to electronic newspaper development and the field of information design.

### **RECENT ARTICLES:**

The I.D. Multimedia Forum, I.D..  
March-April 1994; pp 36-43.

Telecosm: Digital Darkhorse - Newspapers, George Gilder. *Forbes/ASAP*, October 25, 1993; pp 138-149.

Publishers Design Electronic Newspapers To Keep Control of Information Delivery, Patrick M. Reilly. *Wall Street Journal*, April 26, 1993; p B1.

Plugged In? The Electronic Newspaper May Be Only A Few Years Away, Richard Gehr. *Metropolis*, June 1993; pp 37-40

Enter the E-Paper, *Presstime*. August 1993; pp 18-19.

### **INFLUENTIAL BOOKS:**

Information Anxiety: What to do when information doesn't tell you what you need to know, Richard Saul Wurman. Bantam Books, 1989.

Visual Cognition, Steven Pinker, Ed. MIT Press, 1985.

Laws of Media - The New Science. Marshall and Eric McLuhan. Toronto, 1988

The Media Lab: Inventing the Future at the Media Lab, Stewart Brand. Viking; 1987.

Envisioning Information, Edward Tufte. Graphics Press, 1991.

Image and Mind, Stephen Kosslyn. Harvard University Press, 1980.

The Ecological Approach to Visual Perception, James Gibson. Houghton Mifflin Co., 1979.

Mediamorphosis: The Coming Transformation of Newspapers, PANPA Bulletin, June 1993; pp 58-64.

Look, No Paper, *The Economist*. July 10, 1993; pp 7-8.

First Step to a Multimedia Future, Editor & Publisher, April 10, 1993; pp 18-19.

Newspapers Redefining Themselves, *New York Times*, April 26, 1993; pp C1

Brave New (Media) World, *NewsInc.* Sept. 1992; pp 34-38.

Vision, David Marr. W.H. Freeman and Co., 1982.

Digital Design Media, William J. Mitchell and Malcolm McCullough. Van Nostrand Reinhold, 1991.

Quantitative Display of Visual Information, Edward Tufte. Graphics Press, 1983.

Art and Visual Perception, Rudolf Arnheim. University of California Press, 1954.

Powershift, Alvin Toffler. Bantam Books, 1990.

Multimedia Interface Design, Meera M. Blattner and Roger B. Dannenberg eds. ACM Press, 1992.

### **Keywords**

Advertising  
Audio/Voice Software  
ATM  
Books  
Cable  
Cable-Phone  
CD-ROM  
Cellular  
Chips  
Classified Ads  
Comics  
Computers  
Computer Monitors  
Computer Networking  
Computers & Science  
Computer Software  
Converter Boxes  
Copyrights  
Criminal Issues  
Databases  
Electronic Bulletin Boards  
Electronic Mail (E-Mail)  
Entertainment  
E-Papers  
Electronic Ticketing  
Fiber Optics  
Flat Panel  
Future Media  
Home Computers  
Hackers  
Handheld Computers  
Hard Drives  
High-Definition TV (HDTV)  
Information Superhighway  
Industry Trends  
Interactive Media  
Internet  
Investors  
Legal Issues (Lawsuits)  
Magazines  
Media Mergers  
Modems  
Multimedia Computers  
Networks  
Newspapers  
Notebook Computers  
On-Line  
PCMCIA

### **Relevant resources**

The following sources contain valuable information to the field. I have tried to organize these articles, studies, books and reports into each of the three domains: journalism, Design and Psychology. However, many of these integrate the topics and may not fit neatly into any single category.

PDA (Personal Digital Assistant)  
Phones  
Piracy  
Press and Politics  
Privacy Issues  
Programming  
Publishing  
Radio  
Regulatory Issues  
Satellite  
Security  
SGML  
Speech Recognition Tech.  
Standards  
Technology Summit  
Telecommunications  
Trade  
TV  
3-D TV  
Wire Distribution  
Wireless Distribution  
Workplace  
Video Conferencing  
Video  
Video Games  
Video Phone  
Virtual Reality  
Zoomer

#### **JOURNALISM**

Alty, J.L.

**Multimedia: What it is and how do we exploit it?** People and Computers VI, edited by D Diaper and N. Hammond, (pp 31-44).

Associated Press Managing Editors (APME) Association (1991).

**APME Graphics Committee Report.** APME.

Bogart, Leo, (1989).

**Press and public: Who reads what, when, where, and why in American newspapers.** 2d ed. Hillsdale, N.J.: Lawrence Erlbaum Associates.

Bellinger, Robert (1992, May 18).

**Newspaper – What paper? Electronic information systems of the next century,** Electronic Engineering Times; n693 pC48 (1).

Burgoon, Judee K. and Michael, (1980).

**Predictors of newspaper readership,** Journalism Quarterly, 57, 595.

Chalfonte, B.L., Fish, R.S. and Kraut, R.E. (April 27-May 2, 1991).

**Expressive richness: A comparison of speech and text as media for revision,** Proceedings of the Conference on Human Factors in Computing Systems, New Orleans, LA, 21-26

Currie, Phil. (1992, January).

**NEWS 2000: A new approach to gain new readers in a new era.** In Phil Currie (Ed.), Editorially Speaking (pp. 1-16). Arlington, Va: Gannett.

Driscoll, MaryEllen. (1992, September)

**Big Medium on Campus.** Presstime; (pp 18-19).

The Freedom Forum Media Studies Center, (1992).

**Media at the Millenium.** The Freedom Forum.

Gollin, Albert E., (1992, April).

**Setting the record straight on trends in newspaper readership.** Presstime; (p. 42).

Gordon, Mike, (1990).

**The world is changing: And if newspapers don't change, too, readers will vanish.** Handout available at the Poynter Institute.

Poindexter, Paula, (1978, January).

**Non-readers: Why they don't read,** ANPA (American Newspaper Publishers Association) News Research Report, No. 9. (p. 2).

Stevenson, Robert L., (1979, March 9).

**Newspaper readership and community ties**, ANPA News Research Report, No. 18. (p. 2).

Winter, William L., (1989, December).

**American newspapers and challenges of the 1990s**. API East-West Newspaper Conference in Singapore report (pp. 35-38).

## **DESIGN/HUMAN FACTORS**

Garcia, Mario R., (1987)

**Contemporary Newspaper Design: A Structural Approach**. 2nd Ed. Englewood Cliffs, N.J.: Prentice Hall.

Garcia, Mario R. and Stark, Pegie, (1991).

**Eyes on the news**. St. Petersburg, Fla.: The Poynter Institute for Media Studies.

Howes, Andrew; Payne, Stephen-J. ( Dec. 1990).

**Display-based competence: Towards user models for menu-driven interfaces**. Cambridge, England, International-Journal-of-Man-Machine-Studies.

Kobayashi, Koji. (1982).

**Humans, Computers and Communications**. Handbook of Human Factors, Ed. G. Salvendy; (pp 1790-1809).

Kosslyn, S. M. and Chabris, Christopher F. (1992, February).

**Minding Information Graphics**. Folio (pp. 69-77).

Kosslyn, S. M. (1985).

**Graphics and human information processing** [Review of five books: *Semiology of graphs*, *Graphical methods for data analysis*, *Mapping information*, *Statistical Graphics*, and *The visual display of quantitative information*]. Journal of the American Statistical Association, 80, 499-512.

Martin, M. (1989).

**The semiology of documents**. IEEE Transactions on Professional Communication, Vol 32(3) 171-177

Nolan, P.R. (October 16-20, 1989)

**Designing screen icons: Ranking and matching studies**. Perspectives. Proceedings of the Human Factors Society 33rd Annual Meeting, Denver Colo. The Human Factors Society, Santa Monica, Calif., Vol 1, (380-384).

Sobol, M.G. and Klein, G. (1989).

**New graphics as computerized displays for human information processing**. IEEE Transactions on Systems, Man and Cybernetics, Vol 19(4) (893-898).

Sondheimer, Norman-K.; Relles, Nathan. (Mar-Apr. 1982).

**Human factors and user assistance in interactive computing systems: An introduction**. IEEE-Transactions-on-Systems,-Man,-and-Cybernetics; Vol 12(2) (pp 102-107).

Thomas, Peter-J. (Jul-Aug. 1991).

**Language, communication, social interaction and the design of human-computer interfaces**. Behaviour-and-Information-Technology; Vol 10(4) (pp 311-324).



Travis, D.

**When is redundant color/shape coding advantageous? Some empirical findings.** Academic Press, London.

Van-Gigch,-John-P.; le-Moigne,-Jean-L.(Apr. 1989).

**A paradigmatic approach to the discipline of information systems.** Behavioral Science; Vol 34(2) (pp 128-147).

## **PSYCHOLOGY**

Akama,-Kiyoshi. (1988).

**Information processing for creating knowledge base. Special Issue: Problems of repetition in memory.** Japanese-Psychological-Review; Vol 31(3) (pp 429-448).

Bergstrom, John C. and Stoll, John R. (1990).

**An analysis of Information Overload with Implications for Survey Design Research.** Leisure Sciences; Vol 12 (pp 265-280).

Hwang, S.L. and Wang, Y.S.

**An experimental study of CRT graphical display in process control systems.** Human Aspects in Computing; Vol 1. Design and Use of Interactive Systems and Work with Terminals; (pp 200-204).

Itoh, K. (1987).

**Common factors on the extraction of visual features in letter recognition.** Japanese Journal of Ergonomics, Vol 23(3) (pp 145-154).

Kleiner, Art (Dec 1991).

**Dialing for data. Using on-line information retrieval services.** PC Sources Vol. 2(12) (p 465).

Lamb, Marvin R. (Jan. 1991).

**Attention in humans and animals: Is there a capacity limitation at the time of encoding?** Journal of Experimental Psychology Animal Behavior Processes; Vol 17(1) (p 45-54).

Piekara,-F.-H. (1990).

**Effects of using information systems on retention of information.** Zeitschrift-fur-Psychologie; Vol 198(4) (pp 443-461).

Reeves, Byron and Anderson, Daniel R.

**Media studies and psychology.** Communication Research Vol 18(5) (pp 597-600).

Shneiderman, Ben. (1990).

**Future directions for human-computer interaction.** International-Journal-of-Human-Computer-Interaction.

Williams,-Kevin-J.; Cafferty,-Thomas-P.; DeNisi,-Angelo-S. (Aug. 1990).

**The effect of performance appraisal salience on recall and ratings.** Organizational-Behavior-and-Human-Decision-Processes; Vol 46(2) 217-239.

