

News

1. Institutions

1.1. International organisations

1.1.1. FID issues Copyright Statement

During the recent FID General Assembly meeting and the National Members Lunch meeting in Graz, Austria on 22 and 24 October 1996 respectively, a group of FID National Members prepared the following response to the invitation to attend the WIPO Diplomatic Conference on Certain Copyright and Neighboring Rights from 2–10 December 1996. The first draft of the document was prepared by the National Member of Sweden, Dr Frans Lettenstrom.

The comments are confined to the proposals related to CRNR/DC/4 concerning the strengthening of the rights and responsibilities of both the owners and the users of intellectual property in a digital environment.

In the digital age international harmonisation of intellectual property laws is essential. However, this harmonisation should also aim at ensuring access to information and knowledge to all. To make this possible, it is important that the rights and responsibilities of both owners and users be spelled out with greater precision and clarity.

We want to emphasize the importance of the statements concerning societal values contained in Note 12.09: “When a high level of protection is proposed, there is reason to balance such protection against other important values in society. Among these values are the interests of education, scientific research, the need of the general public for information to be available in libraries and the interests of persons with a handicap that prevents them from using ordinary sources of information”.

The proposals put forward 30 August, 1996 by the Bureau of the World Intellectual Property Organisation (WIPO) are not clear enough. The implications of Articles 7, 10 and 12 have not been given sufficient debate either in the WIPO Committee of Experts or nationally.

Article 5 – Collections of Data (Databases)

Many serious issues have been raised concerning the definitions of compilation and collection in the digital environment. The matter is far too complex for immediate resolution. More time for sufficient input and deliberations from concerned parties is needed.

Article 7 – Right of Reproduction

We disagree with the expansion of the definition of the right of reproduction to include indirect reproduction (Article 7.1) caused by incidental digitalisation of a work. Such expansion of the definition could prevent users from reading or browsing material. We are similarly questioning the proposed limitation in Article 7.2, according to which “Contracting Parties may limit the right of reproduction in cases where a temporary reproduction has the sole purpose of making the work perceptible or where the work is of a transient or incidental nature ...”.

It would appear that the limitation would still have to be authorised by the author or allowed under national legislation. As it cannot be guaranteed that all nations will implement an exception to authorise temporary reproduction in the digital environment, there appears to be a contradiction to the purpose behind the accompanying notes 7.14 and 7.15 which attempt to justify Article 7 by reasoning that the interpretation of the right of reproduction should be “in fair and reasonable harmony all over the world”. The opposite is likely to be the case.

Article 10 – Right of Communication

Note 10.08 states that the proposal made by the European Community and its member states received a positive reaction from many Government members of the Committee. However, according to reports, many other Government members had reservations.

Note 10.14 indicates that the liability of an Information Service Provider (ISP) does not occur within the Right of Communication unless a copy is made available to the public by the ISP.

The consequences of Article 10 are difficult to assess. For example, the combination of Article 10 and Article 7 seems to make ISPs potentially liable for the users’ transmissions.

It is essential that a definition is given on what is “public”. It is not enough to leave it to national interpretation.

Article 12 – Limitations and Exceptions

This article is vital, but lacks precision.

Note 12.09 is of such importance that it should be incorporated in Article 12. It is not sufficient to keep it as a note.

The exceptions and limitations of the exclusive rights of authors should be harmonised internationally. Leaving limitations or exceptions to intellectual property rights to national legislation, will create unfair and unreasonable disharmony all over the world with respect to the interpretation.

Article 13 – Obligations concerning Technological measures

We have serious reservations about the way in which the proposed Article 13 is formulated. The definition of “Protection-defeating device” appears to be so broadly worded that it might encompass even a device that incorporates a mechanism

designed simply to expedite uses that have been authorized under licence. We do not endorse a proposal that is prohibitive.

Conclusions

There are reasons to believe that the proposals from WIPO will upset the balance between the protection of rights and responsibilities of both the owners and the users of intellectual property. Implicitly this means that the role of society's collectors and disseminators of knowledge (such as libraries, archives, museums and other information operators) might be destroyed.

The very important rights and responsibilities (such as "fair use", "protection of the public interest" etc.) of users of intellectual property must be protected in the digital environment.

FID recommends that the proposals concerning Articles 5, 7, 10, 12 and 13 should not be voted upon in the Diplomatic Conference in December. A sufficiently long period (no less than six months) of deliberation and discussion with the users, especially the library, information and scholarly communities, must be provided, so that more balanced proposals can be developed.

1.1.2. Election results: FID General Assembly 22 October 1996

Election results

The International Federation for Information and Documentation (FID) is pleased to announce the results of the Council elections which took place during the FID General Assembly, prior to the 48th FID Conference and Congress in Graz, Austria from 23–25 October 1996. A new President, a new Vice-President and several new Council Members have been elected.

FID presidency

On 1 January 1997, *Mrs Martha Stone* (Canada) will succeed *Mrs Ritva Launo* (Finland) as the new President of FID for a four year term (1997–2000). *Mrs Martha Stone* is currently Senior Advisor in Information Science at the International Development Research Centre, IDRC in Canada, where she has held a number of positions since 1980. Her professional activities include the following: Member of FID Council since 1995, Chair of FID's Membership Advice Group since 1992, Member of Governing Board, CAB International 1991–1995, Member of Board of Directors, Data for Development, 1988–, Member of Executive IAALD, 1987–1990, former member of the Executive Committee of the Canadian Council of Federal Libraries, and former chair of the Integrated Library Systems Standing Committee, Council of Federal Libraries, *Mrs Martha Stone* has a BA in Philosophy from Howard University, Washington DC, and an M.Sc. in Library/Information Science from Drexel University, Philadelphia, Pa, USA. She is author of many published and presented papers and speaks English and French.

The current FID President, *Mrs Ritva Launo* (Finland), retires as President of FID

at the end of 1996. *Mrs Ritva Launo* has held the office of President since 1991 when she took over from *Mr Michael Hill* (United Kingdom). Mrs Launo's dynamic and visionary leadership have given FID a firm foundation on which to build. Under her Presidency, FID has launched a number of highly prestigious projects, including the Tokyo Resolution, the Global Information Alliance and the FID Knowledge Forum: major projects which continue to receive widespread recognition and acclaim from the international information community. Mrs Launo was made an Honorary Fellow of FID during the FID Conference in Graz, Austria in recognition of her outstanding service to the Federation.

Vice-Presidents

Dr Forest Woody Horton Jr (USA) was succeeded by *Mr Karl Kalseth* (Norway) as Vice-President of FID. *Dr Forest Woody Horton* was also made Honorary Fellow of FID in recognition of his professional commitment to the Federation. *Mrs Margarita Almada de Ascencio* (Mexico) and *Professor Yuzuru Fujiwara* (Japan) continue to serve as Vice-Presidents of FID.

Treasurer

Mr Roger Bowes (UK) continues as Treasurer of FID.

1.1.3. FID Council

Executive Committee

- President: *Ms Martha Stone*, Canada (newly elected for term 1997–2000)
- Vice-President: *Ms Margarita Almada de Ascencio*, Mexico (reelected for term 1997–2000)
- Vice-President: *Mr Karl Kalseth*, Norway (newly elected for term 1997–2000)
- Vice-President: *Professor Yuzuru Fujiwara*, Japan (term of office 1995–1998)
- Treasurer: *Mr Roger Bowes*, UK (reelected term of office 1997–2000)

Council Members

- *Professor Yuri M. Arski*, Russia (reelected term of office 1997–2000)
- *Mr Christian Galinski*, Austria (reelected term of office 1997–1998 – filling vacancy on Council-midterm)
- *Dr Toni Carbo*, US (newly elected term of office 1997–2000)
- *Dr Augusta Maria Paci*, Italy (reelected term of office 1997–2000)
- *Mrs Neva Tudor-Silovic*, Croatia (reelected term of 1997–2000)
- *Mrs Tuula Salo*, Finland (newly elected term of office 1997–2000)
- *Dr Oleg Shatberashvili*, Georgia (newly elected term of office 1997–2000)
- *Mr W.C. Luijendijk*, Netherlands (term of office 1995–1998)
- *Mr Hong Shik Park*, Korea (term of office 1995–1998)
- *Mr Zhaodong Liu*, China (term of office 1995–1998)
- *Mrs Anna Maria Prat Trabal*, Chile (term of office 1995–1998)

Personal Member Representative

- *Professor Irene Wormell*, Denmark (term of office 1995–1998)

Institutional Representative

- *Professor Jean Michel*, France (term of office 1995–1998)

Belgian Member

- *Ms E. Luctkens* (term of office 1997–1998)

Presidents of the Regional Commissions

- *Professor T. Viswanathan*, India – FID Regional Commission for Asia and Oceania (FID/CAO)
- *Mr M.H. Wali*, Nigeria – FID Regional Commission for Western, Southern and Eastern Africa (FID/CAF)
- *Dr Shawky Salem*, Egypt – FID Regional Commission for North Africa and the Middle East (FID/NANE)
- *Mrs Carol Collins*, Guyana – FID Regional Commission for the Caribbean and North America (FID/CNA)
- *Mrs Anna Maria Prat Trabal*, Chile – FID Regional Commission for Latin America (Council Member 1995–1998 and Regional Commission President)

1.1.4. Ben G. Goedegebuure leaves FID as Executive Director

FID's Executive Director, *Ben G. Goedegebuure* announced his resignation during the FID General Assembly meeting in Graz, Austria on 22 October 1996. As of 1 January 1997, Mr Goedegebuure will assume his new position as Congress Director to the management team of Congrex Holland bv, a Professional Congress Organizer and Management Company of international repute.

Ben G. Goedegebuure joined FID in October 1985 as Professional Assistant to the Secretary General and Research Assistant in the UDC Department of FID. In 1989 he was asked to take on the position as the head of the FID General Secretariat after the resignation of Stella Keenan as Secretary General of FID. When this post was abolished, Mr Goedegebuure was asked to fulfill the position of Executive Director, a post he has held from October 1989 until December 1996.

For more information, contact: FID, P.O. Box 90402, 2509 LK The Hague, Netherlands. Tel.: +31 70 3140671, Fax: +31 70 3140667, email: fid@python.konbib.nl.

1.1.5. Forest Woody Horton jr elected as Honorary Fellow of FID

Dr Forest Woody Horton jr, Vice-President of FID (1993–1996)

Described as “the driving force of FID”, Dr Forest Woody Horton jr was made Honorary Fellow of FID during the recent FID Conference and Congress which took place from 23–25 October in Graz, Austria.

Over the years, he has contributed a great deal to FID, including:

- publishing an FID “primer” for policy level officials responsible for establishing and operating national information infrastructures;
- initiating the first major world-wide baseline survey of the knowledges, competencies, and skills needed by the modern information professional, the data from which is currently being analyzed by an advisory group of experts;
- authorship of FID’s “Training for Information Resources Management” manual;
- providing the impetus and drive for FID’s newly established Membership Advisory Group; and
- chairing the US National Committee to FID since 1990.

Having received his doctorate from the University of Lausanne, Switzerland, and his undergraduate degrees from Berkeley University and UCLA, Dr Horton has several hundreds of publications in the information management field to his credit, including 17 books.

His professional career includes a variety of management and technical positions in the US federal government, the Department of Defense, NASA, the State Department, the Agency for International Development, EPA, and finally on several staffs in the Executive Office of the President.

Dr Horton is also a Lifetime Honorary Member of the Information Industry Association, an Honorary Fellow of the (UK) Institute of Information Scientists, and the International Vice-President of ASLIB. He was founder, chair and vice-chair of the Association for Federal IRM (AFFIRM) and Associated Information Managers (AIM). While in the Federal Government, he received over a dozen outstanding performance and sustained superior performance awards. In 1988, he was voted one of the top MIS consultants in the USA by *Information Week* and, in 1989, he was inducted into the Government Computer News Hall of Fame.

1.1.6. Ritva Launo elected as Honorary Fellow of FID

Ritva Launo, President of FID (1992–1996)

Ritva Launo, President of FID (1992–1996) was made Honorary Fellow of FID during the recent FID Conference and Congress which took place from 23–25 October in Graz, Austria.

President Launo is Manager of Information Resources Management at Alko, Ltd, the Finnish State alcohol company, and a member of the company’s IRM Development team. In the 1980s she was President of the Finnish Society of Information

Services and in the 1990s Chair of the advisory board to the Course on Information Services and Information Resources Management at the Helsinki University of Technology. She was trained as a chemist and an information specialist and has worked in the chemical industry in Finland and the USA.

1.1.7. FID Testimony of Recognition

FID is pleased to announce that, during the FID Conference in Graz, Austria (23–25 October 1996), *Humberto Arango Sales, Barbie Keiser, Nancy Williamson* and *Irene Wormell* were each awarded an “FID Testimony of Recognition” as a gesture of FID’s appreciation for their long-term commitment and dedication to the Federation.

Irene Wormell received her Ph.D. from Lund University and in 1985 was appointed Professor at the Royal School of Implementation of Specialized information Services. She has published extensively in the area of information retrieval; subject representation; knowledge organization; Information Resource Management (IRM); information quality; and curriculum developments for modern information professionals. Irene Wormell is Editor-in-Chief of *Libri* and serves as member of the Editorial Board of several scientific journals, *Expert Systems for Information Management; Education for Information; International Journal of Applied Expert Systems; Online & CDROM Review*. From 1992 to 1996 she was Chair of FID’s Education and Training Committee and Director of the FID/ET Clearinghouse and Newsletter and is currently a member of the FID Council.

Professor Williamson has taught in the field of classification theory for several decades. Now retired, she was a Professor at the Faculty of Library and Information Science at the University of Toronto, Canada. She has also been practically working in the design of a special classification system for the collection of the parliamentary Group for World Government House of Commons, England. Her research has also covered investigations concerning the access to Viewdata Systems. Professor Williamson was Chair of FID’s Committee for Classification Research and Knowledge Organization (FID/CR) and currently edits FID’s quarterly insert to the FID News Bulletin: *The Knowledge Issues Newsletter*.

Barbie Keiser is an Information Specialist with extensive experience assisting managements of companies which are dealing with the development of a product of service in an environment in which constant change (shifts in the marketplace) is a given. Familiar with the information needs and concerns of companies, she works closely with clients to develop suitable and correct information strategies. Barbie has acted as Chair of the FID Special Interest Group for the Roles, Careers and Development of the Modern Information Professional (FID/MIP) and is co-author of FID Occasional Paper No. 9, *Marketing Library Services: A Nuts and Bolts Approach*.

Since 1983, *Humberto Arango Sales* has been Director General of the Instituto de Documentación e Información Científica y Técnica (IDICT – which is the Cuban National Member of FID) of the Academia de Ciencias de Cuba. Having received his Ph.D. from the University of Havana in 1976, he later became a professor at that same

University. Since 1977 he has worked in the field of management of information-systems and information-services and in manufacturing and developing national information policies. In recognition of his contribution to the development of information services in Cuba he was distinguished by the Sociedad Cubana de Información Científica y Técnica which he helped create. He was the first President of that same organization and is now an Honorary Fellow. He has also acted as President to FID's Commission for Latin America (FID/CLA).

1.2. UK Research Assessment Exercise: 1996 results

Every four years the research activities of UK universities are assessed and graded. In 1996 the submissions were graded on a mixture of quantitative and qualitative data which is assessed by a panel of experts in each of the subject categories.

The subject category for Library and Information Management was defined in such a way that it could accept submissions from researchers in information systems if those researchers preferred to be assessed by this panel in preference to being assessed by the Computing Panel. In addition to academic departments, some research centres with libraries have entered their research for assessment. It is

Table 1
UK research assessment exercise: 1996 results

Institution	Grade
University of Bath	2
Bath College of Higher Education	1
University of Brighton	3b
University of Central England at Birmingham	3b
University of Central Lancashire	2
City University	5*
De Montford University	3b
La Salle Union College of Higher Education	1
Leeds Metropolitan University	2
Liverpool John Moores University	2
Loughborough University	5
Manchester Metropolitan University	3b
University of Northumbria at Newcastle	3a
University of Salford	4
University of Sheffield	5*
Thames Valley University	1
University College London	2
University of the West of England, Bristol	3b
Queen Margaret College, Edinburgh	3b
Robert Gordon University, Aberdeen	3a
University of Wales Aberystwyth	3b
Queens University Belfast	3a

Table 2
Definition of grades

Grade	Definition
5*	Research quality that equates to attainable levels of international excellence in a majority of sub-areas of activity and attainable levels of national excellence in all others
5	Research quality that equates to attainable levels of international excellence in some sub-areas of activity and to attainable levels of national excellence in virtually all others
4	Research quality that equates to attainable levels of national excellence in virtually all sub-areas of activity, possibly showing some evidence of international excellence or to international level in at least some and at least national excellence in a majority
3a	Research quality that equates to attainable levels of national excellence in a substantial majority of the sub-areas or to international level in some and to national level in the others together comprising a majority
3b	Research quality that equates to attainable levels of national excellence in the majority of sub-areas of activity
2	Research quality that equates to attainable levels of national excellence in upto half the sub-areas of activity
1	Research quality that equates to attainable levels of national excellence in none or virtually none of the sub-areas of activity

for these reasons that here are some institutions listed which are not known as having library and information studies departments. The results for 1996 are given in Table 1.

The grades are defined in Table 2.

The grades awarded will be used as a basis for making awards to institutions for research funding but the details of how this will be achieved have yet to be undertaken.

2. Conferences

2.1. 2nd ACM International Conference on Digital Libraries – Philadelphia, Pa, 23–26 July 1997

ACM Digital Libraries is an international conference which is building a community of individuals from diverse fields to study research and development in digital libraries. The collection, access and use of electronic information in a variety of formats requires solutions to problems ranging from the technical to the social, incorporating knowledge and experience from many fields. Individuals with an

interest in library and information science, digital information technology, education, information policy and economics, information behavior and other fields contributing to digital library development are invited to participate.

ACM DL '97 will immediately precede ACM SIGIR '97 in Philadelphia. The ACM DL series is sponsored by ACM, through SIGIR and SIGLINK.

In cooperation with ACM DL '97:

ASIS (American Society for Information Science)

CNI (Coalition for Networked Information)

D-Lib (Digital Library Forum)

NAL (National Agricultural Library)

NLM (National Library of Medicine)

SLA (Special Libraries Association)

ACM DL '97 Steering Committee

Robert B. Allen, Bellcore (Program Chair)

William Arms, CNRI

Nicholas Belkin, Rutgers University

Edward Fox (Steering Committee Chair), Virginia Tech

Richard Furuta, Texas A&M University

Gary Marchionini, University of Maryland

Edie Rasmussen, University of Pittsburgh (Conference Chair)

Topics

We welcome technical papers, posters, demonstrations, videos, as well as proposals for panels, workshops and tutorials. Research is welcome on any aspect of Digital Libraries including but not limited to the following:

- economic and social implications;
- education, learning, and collaboration;
- electronic journals, textbooks, and catalogs;
- evaluation methods and user testing;
- hypertext and hypermedia;
- image, graphical, GIS, and multimedia information;
- indexing and classification;
- information storage and retrieval;
- intellectual property rights;
- metadata and knowledge representation;
- online museums, galleries, and studios;
- scanning and digital preservation;
- World-Wide Web;
- user interfaces, visualization, browsing, and searching; and
- user behavior and information needs analysis.

Instructions for contributors

Detailed instructions for contributors are posted on: <http://www.sis.pitt.edu/~diglib97/> or may be requested from diglib97@sis.pitt.edu

Important dates

January 14, 1997: Submissions due to appropriate Chair
March 4, 1997: Notification of acceptance
April 28, 1997: Revised papers due to Program Chair

3. Courses*3.1. IBASICS*

Learn how to connect to the Internet. Enroll in IBASICS – a free online course on Internet basics for school library media specialists, offered by the American Association of School Librarians.

IBASICS covers basic tools for using the Internet, including email, listservs, Gopher, telnet, WWW, ftp and newsgroups. Curriculum threads will be woven into each of these areas. A computer with Internet email access and a basic knowledge of email are all you need to participate.

To register, send an email message to listproc@ala.org. Leave the subject line blank. In the body of the message, type: subscribe IBASICS [first name] [last name].

1997, session #5, registration dates March 17–April 11, course dates April 14–June 9.

IBASICS is a component of ICONnect, an initiative of the American Association of School Librarians, a division of the American Library Association. ICONnect offers school library media specialists, teachers and students the opportunity to learn the skills necessary to navigate on the information superhighway.

For more information about IBASICS or ICONnect, call +1 800 545 2433, ext. 4389 or email: ICONnect@ala.org.

4. Web sites*4.1. Institute for Academic Technology*

INFOBITS is an electronic service of the Institute for Academic Technology's Information Resources Group. Each month we monitor and select from a number of information technology and instruction technology sources that come to our attention and provide brief notes for electronic dissemination to educators.

4.1.1. *Teaching and learning newsletter*

The National Teaching and Learning Forum, a newsletter on successful teaching and learning practices in higher education, provides non-subscribers with sample articles on the Web. Recent articles available online include:

- “Pages That Feel Like Home”, a report on how faculties are using Web pages to teach differently and more effectively http://www.ntlf.com:80/html/ti/like_home.htm
- “Urgings and Cautions in Student-Centered Teaching” <http://www.ntlf.com:80/html/pi/9605/article1.htm>
- “Some Teaching Web Sites”, a suggested sampling of Web sites http://www.ntlf.com:80/html/ti/teach_web.htm

The site hosts a discussion forum for educators to share information and observations. Another feature on the site is the Interactive Faculty Salary Database, which lets users compare salaries by institution, rank, gender, and ethnic minority status.

The National Teaching and Learning Forum [ISSN 1057-2880] is published six times a year for \$39 by Oryx Press; tel.: +1 800 279 6799; email: info@oryxpress.com; Web: <http://www/ntlf.com/>

4.1.2. *Evaluating Web resources*

With millions of pages on the Web, how do you sort out the good from the bad, the useful ones from the time-wasters? Those with the most experience in evaluating information resources – librarians and other information specialists – are ready to help you out with several recent articles. Check out any of these resources for expert guidance and helpful tips:

- Alexander, Jan, and Marsha Tate, “Teaching Critical Evaluation Skills for World Wide Web Resources”. Available online at <http://www.science.widener.edu/~withers/webeval.htm>. An article with the same title will appear in *Computers in Libraries*, Vol. 16, no. 10, November/December 1996, pp. 49–55. To contact the authors: Jan Alexander (email: janet.e.alexander@widener.edu) or Marsha Tate (email: marsha.a.tate@widener.edu), Wolfgram Memorial Library, Widener University, One University Place, Chester, PA 19013, USA.
- Descy, Don, “Evaluating Internet Resources”. *TechTrends*, Vol. 41, no. 4, September 1996, pp. 3–5. To contact the author: Don E. Descy, Library Media Education Department, Mankato State University, Mankato, MN 56002–8400, USA; email: descy@vax1.mankato.msus.edu; Web: <http://www.lme.mankato.msus.edu/ded/don.html>.
- Eades, Lynn, “Live from the Internet and Beyond ... Teaching Patrons to Evaluate Internet Sites”. *Librarians’ Association Newsletter*, no. 143, October 1996, p. 4. Available online at <http://www.unc.edu/lib/launcch/oct96n.htm#internet>. To contact the author: Lynn Eades, Health Sciences Library, CB# 7585, University

of North Carolina at Chapel Hill, Chapel Hill, NC 27514, USA; tel.: +1 919 966 8012; email: beades@med.unc.edu.

- Rettig, James, “Beyond ‘Cool’ – Analog Models for Reviewing Digital Resources”. Online, Vol. 20, no. 6, September/October 1996, pp. 52–54, 56, 58–62, 64. Available online at <http://www.onlineinc.com/online/online/onlinemag/SeptOL/rettig9.html>. To contact the author: James Rettig, Swem Library, College of William and Mary, Williamsburg, VA 23187–8794, USA; tel.: +1 757 221 3058; fax: +1 757 221 2635; email: jrettig@mail.swem.wm.edu.
- Tillman, Hope N., “Evaluating Quality on the Net”. From a paper presented at Computers in Libraries, Hyatt Regency Crystal City, Arlington, Virginia, Monday, February 26, 1996. Available online at <http://www.tiac.net/users/hope/findqual.html>. To contact the author: Hope N. Tillman, Director of Libraries, Babson College, Babson Park, MA 02157, USA; tel.: +1 617 239 4259; email: hope@tiac.net; Web: <http://www.tiac.net/users/hope/>.

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- Librarians’ Association Newsletter is published nine times a year by LAUNCH (Librarians’ Association at the University of North Carolina at Chapel Hill). Subscriptions are \$10/year. Contact: Anita Booth, Editor, Davis Library, CB# 3914, University of North Carolina at Chapel Hill, Chapel Hill, NC 27514, USA; Web: <http://www.unc.edu/lib/launch/>.
- TechTrends – For Leaders in Education and Training (ISSN 8756-3894) is published six times a year by the Association for Educational Communications and Technology (AECT), 1025 Vermont Ave., NW, Suite 820, Washington, DC 20005, USA; tel.: +1 202 347 7834; fax: +1 202 347 7839; email: aect@aect.org; Web: <http://www.aect.org/AECT.htm>. Subscriptions to TechTrends are included in AECT membership dues. Non-member subscriptions are available for \$40/year (US), \$44/year (other countries/surface mail), \$64/year (other countries/air mail).

4.1.3. Internet II

Internet II, the next generation of the Internet, will be designed to provide the higher education community with “new modes of interactive collaboration and distance learning, the integration of distributed multimedia digital library collections with academic programs, greater access to expensive specialized research facilities such as accelerators and supercomputers, and life long scholarly pursuits facilitated through ready access to learning materials from homes, offices, or anywhere

convenient to the learner". In "Internet Too!" David L. Wasley (Information Resources & Communications, Office of the President, University of California; email: david.wasley@ucop.edu) briefly explains what Internet II will mean to both the education and commercial users of networked information. The paper is on the University of Virginia's Document Conversion Server. Connect to <http://dce.acc.virginia.edu/cgi-uva/cgiwrap/~csg-dcs/dcsfetch.cgi?19961029021911/0514> and select HTML as the desired file format. To view the file in your Web browser, click on the "Preview this File" button.

4.1.4. Computer Science Technical Reports collection

The New Zealand Digital Library's Computer Science Technical Reports collection is a publicly-accessible, searchable digital library that provides a full-text index to over 27,000 technical reports (750,000 pages) culled from the archives of nearly 300 university and research institutions around the world. The search engine supports either Boolean or ranked queries. The reports are available in plain text and postscript formats. The collection is available at <http://www.cs.waikato.ac.nz/~nzdl>.

4.1.5. Librarian's links

In October 1996, Lynn Eades, Health Sciences Library Education Librarian at UNC-Chapel Hill, updated her resource guide, "Selected Sites in the Sciences". You can access it at <http://www.iat.unc.edu/guides/irg-26.html>.

Many new links have been added to the following IAT Information Resource Guides:

- "Intranets: Readings and Resources", <http://www.iat.unc.edu/guides/irg-34.html>.
- "Java/HotJava: Readings and Resources", <http://www.iat.unc.edu/guides/irg-42.html>.

4.1.6. To subscribe

INFOBITS is published by the Institute for Academic Technology. The IAT is a national institute working to place higher education at the forefront of academic technology development and implementation. A partnership between the University of North Carolina at Chapel Hill and IBM Corporation, the IAT strives to facilitate widespread use of effective and affordable technologies in higher education.

To subscribe to INFOBITS, send email to listserv@unc.edu with the following message: SUBSCRIBE INFOBITS firstname lastname, substituting your own first and last names. Example: SUBSCRIBE INFOBITS Edgar Poe.

INFOBITS is also available online on the IAT's World Wide Web site at <http://www.iat.unc.edu/infobits/infobits.html> (HTML format) and at <http://www.iat.unc.edu/infobits/text/index.html> (plain text format).

If you have problems subscribing or want to send suggestions for future issues, contact the editor, Carolyn Kotlas, at carolyn_kotlas@unc.edu.

4.2. *New NetLinkS website*

We are pleased to announce that the NetLinkS web pages are now available. The URL for the new site is: <http://netways.shef.ac.uk/netlinks.htm>.

Based in the Department of Information Studies, at the University of Sheffield, the NetLinkS project aims to encourage the development of networked learner support (NLS) by providing awareness-raising and professional development activities and resources. NetLinkS is a Training and Awareness project supported by the Joint Information Systems Committee of the Higher Education Funding Council of England, as part of its Electronic Libraries programme.

Previous web pages have been redesigned to accompany this move, and a number of additions have been made to the resources found on the site. The site is now grouped into four key areas: About NetLinkS, Resource Base, Online Course, and Discussion Area.

In each area you will currently find:

- About NetLinkS: Project documentation; Annual Report; contact details; an overview of project developments and future plans.
- Resource Base: Current Practice Case Base (you will see that there are a number of new additions to the Case Base, including several new case descriptions); journal articles and papers produced by the NetLinkS team. Three new additions in this section are conferences and events relating to NLS; eLib Projects complementing NLS, and mailing lists related to NLS.
- Online Course: This new section is under construction, but will provide an access point to an online professional development course.
- Discussion Area: NLS-forum; archive of NLS-forum guest speaker conferences. A new addition to this section is the Who's Who on NLS-forum, a database of contact details for forum members.

Sarah Ashton, NetLinkS Reserach Associate and Information Officer, Department of Information Studies, University of Sheffield, Western Bank, Sheffield S10 2TN, UK. Email: S.J.Ashton@sheffield.ac.uk, tel.: +44 114 282 5095 ext.5095, fax: +44 114 278 0300.

4.2.1. *Announcing NLS-forum guest speakers*

The NetLinkS project is pleased to announce the launch of a programme of discussions led by "guest speakers". These discussions will take place in our discussion list – NLS-forum – and we would like to invite you to take part.

Sheila Creth, University Librarian at the University of Iowa Libraries, has led the first discussion for a period of three weeks in November 1996 on the topic of "reference services in cyberspace". Sheila was able to do this as a follow-on from her recent Follett Lecture, in which she raised some key issues around networked learner support.

The URL for the full text of Sheila's Follett Lecture is: <http://www.ukoln.ac.uk/follett/creth/paper.html>.

If you have not already joined the NLS-forum, here is what you need to do:

To subscribe, send the following message: join nls-forum firstname lastname. This should be the only text in the body of the message addressed to: mailbase@mailbase.ac.uk. Example: join nls-forum Josephine Bloggs.

NetLinkS aim to make discussions of this kind a regular feature on the list, and to archive them at the NetLinkS Web site. Please do let us know if you have any suggestions for hot topics, or would like to lead a discussion yourself – we want to make the programme as relevant and interesting as possible to list-members, so your input is needed!

If you would like to find out more about the NetLinkS project, please look at our Web pages. We are in the process of up-dating our Web site and will be putting lots of resources online in the near future, so we hope you will want to make a visit.

4.3. Internet Learning Resources

The Internet Learning Resources directory (NetLearn), a SHEFC-funded project to assemble a list of online Internet training materials, has reached its release version. It is located at: <http://www.rgu.ac.uk/~sim/research/netlearn/callist.htm>. It consists of links to resources useful in teaching Internet skills, annotated with abstracts and classifications. The list is divided into sections including:

- self-teaching materials, with sections for WWW, downloadable, email and offline formats;
- materials aimed at educators teaching other people Internet skills;
- sections for foreign language materials and visually impaired users; and
- a list of other resources for locating Internet learning materials, including major search engines/directories.

The materials include general guides; guides specific to subjects, e.g., HTML, search engines; detailed and quick reference material; email distribution and discussion lists; skills material and awareness material; material for online browsing or later offline use – this includes downloadable programs/presentations and printed materials. The currency of information is noted where known.

I would like to take the opportunity to thank all those users who took the time to respond to the survey, and who offered their suggestions for developing and expanding the resource. The directory has grown in direct response to your feedback. Please continue to send your suggestions for additional links – we hope to keep the directory up to date and relevant.

Ian M. Johnson, Head of School of Information and Media, The Robert Gordon University, 352, King Street, Aberdeen AB24 5BN, Scotland, UK Tel.: +44 1224 262950; fax: +44 1224 262969; email (Internet): I.M.JOHNSON@RGU.AC.UK; URL: <http://www.rgu.ac.uk/~sim/sim.htm>.

4.4. ICONnect

ICONnect, a technology initiative of the American Association of School Librarians (AASL), a division of the American Library Association (ALA), is designed to get students, library media specialists and teachers connected to learning using the Internet. *ICONnect* resources will:

- help students to develop the information and visual literacy skills that they need to be productive citizens; and
- provide library media specialists and teachers with training to effectively navigate the Internet and to develop and use meaningful curriculum connections with teachers and students.

Sign-up to participate in *ICONnect* and you will receive information about:

- *ICONnect's Gopher and Home Page*. Sign-up to participate in *ICONnect* and receive information about how to access the initiatives Gopher and Home Page. Both resources are gateways to information about technology and education. *Web Site Address*: <http://www.ala.org/ICONN/index.html>.
- *Internet Curriculum Connections*. By taking advantage of *ICONnect's* Curriculum Connections, you can move beyond the basics of Internet use and to the task of integrating Internet resources into the school curriculum.
- *Online Courses*. *ICONnect's* online courses on Internet skills will be geared specifically for K-12 school library media specialists with curriculum threads woven in for course takers to follow. Broad areas will offer examples of how the Internet can be used in collaborative projects within the curriculum and will provide a jumping off point for the school library media specialist.
- *KidsConnect!* *KidsConnect!* is *ICONnect's* question-answering, help and referral service for kids on the Internet. Library media specialists from throughout the world are collaborating on *KidsConnect!* to provide direct assistance to any student that needs help. Through email, students can contact a library media specialist for guidance and instruction and receive an answer within 48 hours. So, kids are not left to fend for themselves on the Internet. Whenever they need help, guidance or instruction ... *KidsConnect!*
- *Mini-Grants*. Mini-grants of up to \$500 will be awarded to library media specialists and classroom teachers who work together to develop curriculum-related projects that focus on the Internet as an information resource.
- *KidsConnect Underwriter*. Microsoft Corporation.
- *ICONnect Sponsors*. EBSCO Publishing, SIRS/Mandarin, Gale Research Publications, Primary Source Media, The H.W. Wilson Foundation, and Winnebago Software Company.
- *ICONnect Contributors*. Linworth Publishing Company.

5. Research grants

5.1. £462,000 Digitisation Centre for University of Hertfordshire

The University of Hertfordshire has been awarded £462,000 grant to set up a Digitisation Centre that will convert more than one million pages of printed text a year into 'electronic libraries', making printed materials much more widely accessible by the UK higher education community.

The Digitisation Centre will bring together the skills and experience of Cimtech Ltd, which is a University of Hertfordshire company, and International Imaging Ltd, a highly successful company renowned for its work in the fields of document conversion and image capture services.

The initial development of the Centre is funded under the Joint Information Systems Committee's Electronic Libraries (eLib) Programme, which was set up as following the recommendations of the Follett Report, the 1993 review of academic libraries in Britain.

The eLib award for the Digitisation Centre was announced today at *Libtech International 96*, a major exhibition with associated conference sessions about library technology, automated systems and database products held annually at the Hatfield Campus of the University of Hertfordshire.

The Centre will make use of state of the art computer scanning and digitisation equipment and specialist consultancy staff to guarantee high quality results tailored to job requirements.

"Over the first two years the eLib support will enable the Digitisation Centre to offer its core services to higher education organisations at subsidised rates and to provide free advice and information on digitisation to the higher education sector" said Di Martin, Librarian at the University of Hertfordshire. She added: "Other services available on a charged basis will include document preparation, the vital issue of copyright clearance, indexing, provision of storage and backup copies".

The new Centre will undertake a selected range of projects in the first year, becoming fully operational for all digitisation work in autumn 1997.

6. Teaching aids

6.1. Resource kit for teaching from OCLC

Dublin, Ohio, 11 October, 1996 – A new teaching aid based on examples from the recently published 21st edition of the Dewey Decimal Classification is now available from OCLC Forest Press. 'DDC 21: A Resource Kit for Teaching' is a diskette in PowerPoint format. The software allows instructors to read, select, modify, print, and create slides or transparencies from the 40 examples given. The examples demonstrate important changes in DDC 21 and illustrate the necessary steps to arrive

at the correct Dewey number. Also provided on the diskette are explanatory notes for each of the examples. 'DDC 21: A Resource Kit for Teaching' requires the use of PowerPoint software.

"We believe that 'DDC 21: A Resource Kit for Teaching' provides a simple, economical way for teachers and other presenters to demonstrate the revisions of the classification in the most recent edition of Dewey", said Peter J. Paulson, executive director of OCLC Forest Press. "The examples are documented by Dewey experts and represent months of research and planning. The PowerPoint format offers a new flexibility of presentation at modest cost."

Designed to support workshops and group training, the 40 examples provided on the diskette may also be adapted to classroom instruction in the fundamentals of Dewey.

In addition to the diskette, 'DDC 21: A Resource Kit for Teaching' contains the following material: "New Features in DDC 21" (reprinted from DDC 21); a suggested schedule for a model workshop program; "Dewey Decimal Classification: Knowledge Organization Tool for the 21st Century", by Joan S. Mitchell (reprinted from the July/August 1996 'OCLC Newsletter'); "Dewey 2000", by Diane Vizine-Goetz and Joan S. Mitchell (reprinted from the 'Annual Review of OCLC Research 1995'); and "Implementing a New Edition of DDC", by Pat Thomas, head of cataloging, Stockton-San Joaquin County Public Library.

The 'DDC 21: A Resource Kit for Teaching' PowerPoint diskette is priced at U.S. \$50.00.

For more information, or to place an order, contact OCLC Forest Press, 6565 Frantz Road, Dublin, Ohio, 43017-3395. Toll-free fax: 1-888-Dewey 21 (1-888-339-3921). The Dewey Home Page is located at <http://www.oclc.org/fp/>.

OCLC Forest Press, a division of OCLC since 1988, publishes the Dewey Decimal Classification. OCLC Online Computer Library Center is a nonprofit computer library service and research organization whose computer network and services link more than 23,000 libraries in 63 countries and territories.

For more information: Peter J. Paulson, tel.: +1 518 489 8549; email: peter_paulson@oclc.org; and Nita Dean, tel.: +1 614 761 5002; email: nita_dean@oclc.org.

7. Publications

7.1. Mass Market Online Services in Europe, by Martin White, TFPL

The closure in August of the Europe Online service has inevitably resulted in questions being raised about the opportunities for consumer mass market online services in Europe. This report, now in its third edition, looks back on the events of 1996 in both Europe and the USA, and comments on the problems that have been experienced by CompuServe and America Online, and the virtual disappearance of Prodigy and GÉnie.

Martin White, Managing Consultant of the Information Market Division of TFPL, the author of the report, concludes that there are no indications that there will be any significant growth in the demand for mass market information services in Europe. "The services failed to become established before being overtaken by highly competitive WWW services in national language, and in any case they are competing with free public teletext services which are not a feature of the US market." In the report Martin White goes on to suggest that the opportunities in Europe lie in the provision of electronic banking and shopping services, and in developing services for small and medium-sized businesses.

The report profiles all the leading US and European services, discusses the reasons for the failure of Europe Online and NewsEyeQ, and lists the critical success factors for services seeking to achieve profitability in Europe.

Bibliographic details: *Mass Market Online Services in Europe*, 3rd edition, December 1996, price: £195.00.

For further information please contact: Martin White, TFPL Ltd, 17–18 Britton Street, London EC1M 5NQ, UK. Tel.: +44 171 251 5522; fax: +44 171 251 8318; email: martin.white@tfpl.com; Web: <http://www.tfpl.com>.

7.2. *Guide to the Information Industry in China, TFPL*

The new *Guide to the Information Industry in China* gives a unique insight into the rapidly changing information industry in China. It provides an understanding of the economic background, the information infrastructure, future trends, and also gives full details of all the major organisations involved in the industry.

Subjects covered in the report include: The Rapid Development of China's Economy and the Emergence of the Information Industry in China; China's National Information Infrastructure and the Growth of Information Technology in the National Economy; A Survey of China's Newly Developing Information Industry; Administrative Institutions and Systems of China's Information Industry; Policies on the Development of the Information Industry and Relevant Laws and Regulations; Prospects for the Development of China's Information Industry.

The report also supplies a listing of major information and consultancy service institutions in China, Beijing, Guangzhou and Shanghai.

The Guide to the Information Industry in China is written by China Online Technology, Inc., commissioned and published by The British Council, China and distributed in Europe by TFPL Ltd.

Bibliographic details: *Guide to the Information Industry in China*, 1st edition; January 1996, size; A4, 45 pp. price: £80.00.

Available from: TFPL Ltd, 17–18 Britton Street, London EC1M 5NQ, UK. Tel.: +44 171 251 5522; fax: +44 171 251 8318; email: central@tfpl.com; Web: <http://www.tfpl.com>.

7.3. *Business Information in the Intranet Age, TFPL*

The rapid adoption of intranet technology by organisations in Europe and the USA has opened up important new market opportunities for the providers of business information. In the past, online and CD-ROM information services were used mainly by information specialists. Intranets now enable all managers to have access to a wide range of internal and external information sources.

However the opportunity that intranets offer, they also give rise to substantial problems of copyright management, site licensing, marketing and customer support.

This report examines the issues of intranet delivery of business information from the viewpoints of both information providers and information managers, identifying where there are common goals and also seemingly mutually opposed objectives. As a result the report will be of value to current and future providers of intranet-delivered business information, and to information managers anxious to reduce the risks involved in this new approach to information delivery.

Martin White, Managing Consultant of the Information Market Division of TFPL, comments:

“The challenge for both service providers and users is to understand the needs of managers and to develop intranet solutions which integrate internal and external information. There still seems to be a confusion between information quantity and information quality.”

The report profiles some of the current services which can be delivered over an intranet, and from a discussion of the basic principles of information and knowledge management identifies the key issues affecting the wider use of intranets to deliver business information to the desk-top.

Bibliographic details: *Business Information in the Intranet Age*, 1st edition; December 1996, price: £195.00.

For further information please contact: Martin White, TFPL Ltd, 17–18 Britton Street, London EC1M 5NQ, UK. Tel.: +44 171 251 5522; fax: +44 171 251 8318; email: martin.white@tfpl.com.