

AGENDA

**FALL 1992 MEETING OF THE TASK FORCE
November 19 - 20, 1992**

The Transformational Potential of Networked Information

**Lansdowne Resort
44050 Woodridge Parkway
Leesburg, Virginia
703-729-8400
800-541-4801**

HIGHLIGHTS

THEME

- The Transformational Potential of Networked Information

PURPOSES

- To encourage understanding of how networks and networked information can be used in ways that go far beyond the automation of text and the mechanization of information processing;
- To increase awareness of initiatives that suggest the challenges and opportunities that such uses of networks and networked information present to research and education communication and publication;
- To frame ways and means for supporting such initiatives and for improving the climate in which such initiatives are conceived, born, and grow to prosper as features of the landscape of research and education communication and publication;
- To provide an environment in which people associated with the Coalition and its Task Force can mix and be stimulated by important networked information ideas and initiatives;
- To provide an opportunity by which people associated with the Coalition and its Task Force can discuss network and networked information policy issues and initiatives; and,
- To provide an opportunity for the Coalition CEOs, members of the Coalition Steering Committee, and leaders of the Coalition Working Groups to sense needs, to formulate priorities, and to evaluate progress.

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PLENARY SESSIONS

- An opening panel of individuals who are pioneering the transformational uses of information technology in research and education communication and publication: Greg Crane, Harvard University, Project Perseus; Jeremy Rees, IVAIN and Project BRANCUSI; Susan Hockey, Princeton University, Center for Machine-Readable Texts in the Humanities; and, Robert Kargon, Johns Hopkins University, the Oppenheimer Papers Project.
- An after-dinner presentation on networks as visual media and on the aesthetics of visualization by Donna Cox, National Center for Supercomputer Applications.
- A morning panel featuring Alan B. Salisbury, Executive Vice President, Microelectronics and Computer Technology Corporation (MCC), and Gio Wiederhold, Program Manager for Knowledge-based Systems, Defense Advanced Research Projects Agency (DARPA), and Professor, Stanford University, exploring perspectives on architectures for high-performance networked information resources and services.
- A closing panel presenting updates and information on policy issues and initiatives pertaining to the development of networks and networked information resources and services, featuring Rick Weingarten of the Computing Research Association, Mike Nelson of the United States Senate Committee on Commerce, Science, & Transportation, and Kenneth Kay of the Computer Systems Policy Project (CSPP).
- A town meeting providing an opportunity for comments and questions on Coalition priorities, projects, and activities.

WORKING GROUPS

- Small group discussions focusing on specific aspects of accomplishments to-date plus priorities, plans, and modus operandi for the future.

SYNERGY SESSIONS

- Small group informal interactions about ideas and projects, proposed and convened by Meeting participants.

PROJECT BRIEFINGS

- Small group invited briefings on projects related to the Meeting theme and to other Coalition interests and efforts in order to provide a forum for sharing information and for exploring issues.

AMENITIES

- An opening reception and dinner
- A breakfast buffet and lunch buffet

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SCHEDULE FOR THURSDAY, NOVEMBER 19, 1992

12:00 pm Registration and Refreshments.....Ballroom foyer

Cold drinks and light refreshments will be available.

1:00 pm Welcome and Overview Ballroom

Richard Paul West, Associate Vice President of the University of California and Chair of the Coalition Steering Committee, will call the Meeting to order and make opening remarks.

1:15 pm Opening Plenary Panel..... Ballroom

Chuck Henry, Library Director, Vassar College, will moderate a panel devoted to four leading efforts that pioneer the transformational uses of information technology in research and education communication and publication. Members of the panel will be: Greg Crane, Harvard University, Project Perseus; Jeremy Rees, European Visual Arts Centre; Susan Hockey, Princeton and Rutgers Universities, Center for Machine-Readable Texts in the Humanities; and, Robert Kargon, Johns Hopkins University, the Oppenheimer Papers Project.

3:00 pm BreakBallroom foyer

Coffee, tea, mineral water, and sodas will be available.

3:15 pm Project Briefings and Synergy Sessions.....

Three rounds of 45-minute Project Briefings and Synergy Sessions will provide up-to-date factual and issue oriented information about projects related to the Meeting theme "The Transformational Potential of Networked Information" and will present discussion topics proposed by Task Force representatives. Included will be sessions that follow-up on the opening plenary panel.

Documents provided by the presenters of Project Briefings and Synergy Sessions are available at the Information Pick-up Table.

Center for Machine-Readable Texts in the Humanities.....Ballroom A

Susan Hockey, Director, Center for Electronic Texts in the Humanities, Princeton and Rutgers Universities

The Center for Electronic Texts in the Humanities (CETH) was established in 1991 by Rutgers and Princeton Universities to provide a national focus for those who are involved in the creation,

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dissemination and use of electronic texts in the humanities. Included in CETH's activities are the Rutgers Inventory of Machine-Readable Texts in the Humanities, the Text Collection, and the CETH Summer Seminar.

IVAIN and the BRANCUSI ProjectBallroom D

Jeremy Rees, European Visual Arts Centre

The International Visual Arts Information Network (IVAIN) is an open ended consortium of organizations and individuals who are working to maximize the potential development and effective use of image-based interactive multimedia applications within art museums and galleries. Brancusi will be the subject of an interactive multimedia collaborative project for realizing the full potential of utilizing film and video as an integral part of the underlying image database.

Galileo Einstein Electronic Archives Project.....Thurber

Jeurgren Renn, Department of Philosophy, Boston University

The Galileo Einstein Electronic Archives Project aims at making accessible the Galileo and Einstein archives in electronic form. Data are made available in a system-independent form allowing, in particular, data exchange between the two pilot projects.

Blacksburg Electronic Village.....Amphitheater

Robert Heterick, Director, Center for Information Technology Innovation, Virginia Polytechnic Institute and State University

The Blacksburg Electronic Village is a partnership between the Town of Blacksburg, Virginia Polytechnic Institute and State University, and C&P Telephone / Bell Atlantic Company to link an entire town in Southwestern Virginia with a 21st century telecommunications infrastructure. This infrastructure will bring a useful set of information services into the daily activities of citizens and businesses. The project will encourage and nurture the development of applications and of delivery mechanisms for services designed for the community. The goal of the project is to create a model of what the national information infrastructure will look like at the local level and to create a prototype for "cable information."

Online Journals Project.....Bacon

Richard Lucier, University Librarian and Assistant Vice Chancellor for Academic Information, University of California, San Francisco

Robert Badger, Manager, Electronic Media, Springer-Verlag

Ed Szurkowski, Head, Interactive Computing Systems Research Department, AT&T Bell Laboratories

Guy Story, Technical Development Staff, AT&T Bell Laboratories

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The University of California, San Francisco, Springer-Verlag, and AT&T Bell Laboratories have entered into a special collaborative relationship to explore important issues surrounding scientific communication in a networked environment. These issues include the consideration of technical, business, economic, legal and social factors; information in all in all these areas will be gathered and shared from joint experiments and product development efforts. The first effort will be an online journals project. Several Springer-Verlag journals, in radiology and microbiology, will be installed at UCSF under AT&T's Right Pages software. Originally providing bit-mapped images of journal pages, S-V will begin to provide SGML - marked-up ASCII text early in 1993. Both UCSF and AT&T will continue development of software throughout the collaboration.

CUPID Project.....Conant

Stephen C. Hall, Director, Office for Information Technology, Harvard University
M. Stuart Lynn, Vice President, Information Technologies, Cornell University

CUPID (Consortium for University Printing and Information Dissemination) is an informal and open consortium of universities interested in the distributed printing over the Internet of finished, high-quality, production documents. This session will provide an update on CUPID initiatives.

4:15 pm Project Briefings and Synergy Sessions.....

Project Perseus.....Amphitheater

Greg Crane, Department of the Classics, Harvard University

The Perseus Project has been developed not only to serve the existing body of scholars and students working on ancient Greece, but also more generally to explore the degree to which we could transform our ideas as to what problems various individuals could pursue. The project allows new groups to work directly with primary materials that would otherwise have been intractable. The new technology can fundamentally transform the way in which individuals view intellectual questions and we hope to contribute to this process.

Oppenheimer Papers.....Ballroom A

Robert Kargon, Chairman, Department of History of Science, Johns Hopkins University
Jeremy Kargon, OptiCOM Visual Systems

This session will describe a pilot project to assess, with hands-on experience, the use of electronic media for History of Science resources. Conceived originally as an "edition" project in the traditional sense, for which a transcription of the Library of Congress' Oppenheimer papers would be published on CD-ROM, Scientists on Disk has shifted its focus to network-based delivery of a broader scope of services and resources, including scanned images and multi-type documents.

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Accessing Multimedia Information Over the Network Using a Scholars Workstation.....Bacon

Vinod Chakra, President, VTLS Inc.

Richard Thompson, Assistant to the Associate Director, Automation, National Agricultural Library

The National Agricultural Library and VTLS have been working together on a project to enhance the traditional OPAC with Multi-media information. As a pilot project, approximately 10,000 images and an average of 10 seconds of sound with each image being digitized to create a multimedia database. This database will be accessed using a scholars workstation designed specifically for this purpose. The scholars workstation allows sound, images, text and full-motion video to be combined, accessed, stored and edited. Hyper-media links can be established between these objects. The system is designed with four independent components: the workstation, the OPAC, the network and the file server. It is possible to access the multi-media information over the Internet. Speakers from NAL and VTLS will describe and demonstrate the system, share their experiences and discuss other potential applications.

Documenting Dance: The CALABAN Project.....Ballroom D

Andy Adamson, Department of Drama and Theatre Arts, University of Birmingham

Following on from the successful design and implementation of a software package capable of generating a Labanotation score of any complexity, and integrating that score with text, photographs and music notation, CALABAN now seeks to enhance accessibility to a wealth of as yet largely unpublished dance scores, using digital means of storage and data transmission.

Electronic Peirce Consortium.....Conant

Mike Neuman, Center for Text and Technology, Georgetown University

The goal of the Electronic Peirce Consortium is to establish a model environment for international and interdisciplinary collaborative research based on modern information technologies. Because of the nature of his thought, the condition and complexity of his manuscripts, and the context of contemporary research, the work of Charles Sanders Peirce, America's most original and versatile thinker, is ideally suited for prototyping such an environment. In the course of the project, the EPC will pioneer techniques for the use of information technologies in converting large collections of graphical, handwritten, and printed works into electronic form in order to make available multi-use, multi-media machine-readable corpora, facilitate the preparation of critical editions, establish an electronic network for investigation and communication--and thereby realize Peirce's own vision of a world-wide research community.

Dutch Open UniversityThurber

Wim Jansen, Open University for the Netherlands

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This session on the programs of the Open University for the Netherlands will highlight the use and development of new teaching methodologies in distance education and the use of interactive media in teaching and learning.

Future Generations of Information Systems..... Sarnoff

Paula Kaufman, Dean of Libraries, University of Tennessee, Knoxville

This session will focus on issues and strategies for developing visions for university and library information systems in future generations. Attention will be paid to approaches to bringing together leaders in communities of librarians, university computing functions, information technologists, and vendors.

5:15 pm Project Briefings and Synergy Sessions.....

The CORE (Chemistry Online Retrieval Experiment) Project.....Ballroom A

Richard Entlich, Mann Library, Cornell University
Tim Lynch, Mann Library, Cornell University

The CORE (Chemistry Online Retrieval Experiment) Project is a collaborative undertaking devoted to the exploration of the many issues accompanying the creation and delivery of scholarly electronic journals. To this end, Mann Library at Cornell University along with the American Chemical Society (ACS), Chemical Abstracts Service, Bellcore and OCLC are creating a prototype database of 20 ACS journals spanning from the present back to 1975. It is the aim of the collaborators to deliver the entire original contents of the journals (including all graphical elements) to the labs and offices of users at Cornell, via the campus TCP/IP network. Amongst the issues being investigated are text formatting, graphics recognition and conversion, interface design, workstation and networking requirements, user acceptance, and the development of economic models. The project has been underway for approximately three years and is anticipating the delivery of a subset database to a test population of users in the Cornell chemistry department by the end of calendar year 1992.

Teaching Faculty to Use Networked Information Resources..... Sarnoff

Tom Kirk, College Librarian, Berea College

Discussion (not a presentation) in which participants can share experience with programs which libraries and computer centers are providing to teach faculty the use of networked information resources. Questions that might be discussed are: What content is being presented? How? What instructional material is used? Funding? What are the barriers to providing such programs? Reactions and interests of faculty?

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Engineering Information Conant

Barbara Lockett, Director of Libraries, Rensselaer Polytechnic Institute

The recent Engineering Foundation / Council on Library Resources Conference on a National Engineering Information Service recommended a loosely structured network of engineering information providers to meet engineering user needs. Coalition building with existing related activities was a major activity recommended as follow-up to the conference. There is an obvious similarity in the purpose of the conference and the Coalition for Networked Information's mission to promote the creation of and access to information resources in networked environments in order to enrich scholarship and enhance intellectual productivity. This session will explore whether any activity relating to engineering information might be pursued within the Coalition.

Remote Database Access via FirstSearch - The First Year Bacon

Katherine Jackson, Head of Systems, Sterling C. Evans Library, Texas A&M University

The Sterling C. Evans Library at Texas A&M University served as one of the original five test sites for unlimited searching of all 26 databases available on FirstSearch. There are 9,000 microcomputers and terminals connected to the campus network, all of which can access FirstSearch via the Internet. Information on the use of the service will be presented, including breakdowns by database and user group. Trends and connectivity issues also will be discussed.

Interactive Publication and Human Inquiry Ballroom D

Stevan Harnad, Editor, Behavioral & Brain Sciences, PSYCOLOQUY, Princeton University

For scholars and scientists the greatest disadvantage of paper publication has always been its turnaround time, which is hopelessly out of phase with the human thought process. Electronic networked publication now makes it possible for the first time in the history of learned inquiry to explore the full interactive potential of the human brain in a medium that provides the discipline, permanence, and quality control of the peer-reviewed written medium along with the speed, scope and interactiveness of a "live" global symposium. PSYCOLOQUY is a referred electronic journal sponsored by the American Psychological Association and dedicated to "Scholarly Skywriting": "target articles" reporting important new ideas and findings followed closely by multiple peer commentary and authors' responses. It is in its unique capacity for interactive publication that the revolutionary potential of the new medium lies rather than in its capacity to duplicate the features of paper publication in a faster and cheaper form.

R & D on the ARTFL Database: Current Access and New Tools for French Studies Thurber

Mark Olsen, Assistant Director, ARTFL, University of Chicago

The ARTFL database contains 120 million words of French literary, historical and philosophical texts from the 17th century to the middle of this century. ARTFL is accessible through several

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network oriented systems to scholars in North America and abroad. This presentation will discuss the material contained in the ARTFL database, current research issues being treated by scholars working with the database, access systems and full text retrieval software, and development of an ARTFL CD-ROM. In addition, future research directions will be discussed, including application of natural language processing technologies to full text retrieval and analysis of literary texts and the theoretical models best suited to large scale textual studies.

6:00 pm Reception.....Ballroom foyer

Enjoy complimentary wine, beer, and soft drinks with a variety of appetizers along with the company of your fellow Meeting participants. A cash bar will also be available.

7:00 pm Dinner Ballroom

A relaxed and elegant dinner is planned.

8:00 pm After-Dinner Presentation..... Ballroom

Donna Cox, National Center for Supercomputer Applications, will use film and slides to develop her themes of networks as visual media and of the aesthetics of visualization. Her fascinating images and her stimulating conceptualizations will provoke continuing discussion through-out the rest of the Meeting.

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SCHEDULE FOR FRIDAY NOVEMBER 20, 1992

7:30 am Registration and Continental Breakfast.....Ballroom foyer

Coffee, tea, juices, mineral water, sodas, fruit, yogurt, and a variety of bread stuffs will be available. Over breakfast, if you choose, you can meet with others at Birds-of-a-Feather tables.

8:30 am Morning Plenary Session..... Ballroom

Alan B. Salisbury, Executive Vice President, Microelectronics and Computer Technology Corporation (MCC), and Gio Wiederhold, Program Manager for Knowledge-based Systems, Defense Advanced Research Projects Agency (DARPA), and Professor, Stanford University, will explore architectures for high-performance networked information resources and services and the importance of enterprise-wide thinking in planning and using such resources and services.

10:00 am BreakBallroom foyer

Coffee, tea, mineral water, and sodas will be available.

10:30 am Working Group Small Group Discussions

Working Group leaders will focus on particular areas of accomplishment and activity providing ample time for discussion of priorities and plans.

Documents prepared in support of particular Working Group agenda items will be available at the Information Pick-up Table.

Modernization of Scholarly Publishing.....Ballroom A

Judith Turner, Director, Chronicle Information Services
James A. Williams II, Dean of Libraries, University of Colorado at Boulder

Report on the Rights for Electronic Access to and Delivery of Information (READI) Project; discussion of proposed survey of research / experimental networked full-text projects; report on the cni-copyright network discussion forum; and, discussion of ways and means for incorporating advertising into networked information resources and services.

Transformation of Scholarly Communication..... Ballroom B

Chuck Henry, Library Director, Vassar College
Peter Lyman, University Librarian and Dean, University of Southern California

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Discussion of observations and actions arising from the Meeting theme; and, report on the Capture and Storage of Electronic Theses and Dissertations Project.

Architectures and StandardsAmphitheater

Clifford Lynch, Director, Library Automation, University of California, Office of the President

Report on the Museum Computer Network and the Computer Interchange of Museum Information Committee; report on the Text Encoding Initiative; report on the multimedia and hypermedia activities of Joint Technical Committee 1 of the International Standards Organization and the International Electrotechnical Commission; and, discussion of the proposed position that standards developing organizations should distribute their standards without cost to users and implementors.

Directories and Resource Information Services.....Bacon

George H. Brett II, Consultant for Libraries and Networked Information, University of North Carolina General Administration

Peggy Seiden, Head of Public Services, Skidmore College

Report on progress made on the TopNode Project; report on the "navigation and navigators" pre-conferences offered at EDUCOM '92 and CAUSE '92; and, conversation among tool / service developers and implementors with particular attention to tool / service differentiation and interoperability.

Legislation, Codes, Policies, and PracticesConant

Richard Akeroyd, Jr., State Librarian, Connecticut State Library

Peter Graham, Associate Vice President for Information Services, Rutgers University

Update on the National Research and Education Network (NREN), with particular attention to the 1992 NREN report due in early December from the Office of the Science Advisor to the President; discussion of responsible use, anonymous access, and institutional liability, with particular attention to actions that should be taken to frame and address this cluster of issues; and, report on EDUCOM's Bill of Rights for Electronic Citizens Project.

Access to Public Information.....Sarnoff

John Hankins, Assistant Director, CICNet, Inc.

Barbara von Wahlde, Associate Vice President for University Libraries, State University of New York at Buffalo

Update on the GPO WINDO / Gateway initiative, with particular attention to the joint project with the American Library Association regarding systems models and cost / benefit studies; discussion of the proposed Visiting Program Officer for Networked Public Information Program;

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discussion of actions that should be take to coordinate and facilitate access to networked Federal agency information and data; and, discussion of needs and priorities at the state and local government levels.

Teaching and LearningPotomac Grille

James Lockett, Executive Director, NYSERNET, Inc.
Susan Lane Perry, Director, Departmental Systems Group, Data Center, Stanford University
Art St. George, Executive Network Services Officer, CIRT, University of New Mexico
Philip Tompkins, Director of Library Information Services, Maricopa Community College District

Report on progress in the construction of an information packet for new constituencies; report on the EDUCOM '92 conference scholarship program; discussion of EDUCOM's new Project Jericho; and, discussion of K-12 networking with particular attention to the activities of the Consortium on School Networking (CoSN).

Management and Professional and User Education.....Thurber

Meredith Butler, Dean and Director of Libraries, State University of New York at Albany
Martha Fields, Director, Information Resource Management, State University System of Florida

Report on progress in the construction of a briefing packet on management issues and strategies; discussion of actions that should be taken to frame and address accreditation issues; discussion of actions that should be taken to promote collaboration among information technologist and librarians; discussion of a project concept regarding "bibliographic instruction" for networked information; and, discussion of a project concept regarding the use of networks and networked information for professional education in information resource management.

12:00 pm BreakBallroom foyer

12:30 pm Lunch..... Ballroom

A deli buffet, including sandwiches, salad, and dessert, will be available.

2:00 pm Closing Plenary Session..... Ballroom

Richard West, Associate Vice President of the University of California and Chair of the Coalition Steering Committee, will moderate a panel devoted to updates and information on policy issues and initiatives pertaining to the development of networks and networked information resources and services. **Rick Weingarten**, Computing Research Association, will report on the 1992 OSTP NREN Report process; **Mike Nelson**, United States Senate Committee on Commerce, Science, and Transportation, will give us an update on the Gore II bill; and, **Ken Kay**, Computer Systems Policy Project (CSPP), will discuss the work of his group.

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3:30 pm **Town Meeting..... Ballroom**

Richard West, Associate Vice President of the University of California and Chair of the Coalition Steering Committee, and **Paul Evan Peters**, Executive Director, Coalition for Networked Information, will moderate an "open mike" session of reports, announcements, and comments from attendees.

4:00 pm **Adjournment**