**COALITION FOR**
**NETWORKED**
**INFORMATION**

# AGENDA

## SPRING 1992 MEETING OF THE TASK FORCE
### March 24 - 25, 1992

### Network Navigating and Navigators

**Sheraton City Centre**
**1143 New Hampshire Ave., NW**
**Washington, DC 20037**
**202-775-0800**

## HIGHLIGHTS

**THEME**

* Network Navigating and Navigators

**PURPOSES**

* To focus on the efforts of the Coalition and others to frame and develop mechanisms and services to assist users in navigating networks and using networked information

* To turn attention to public information as a type of information for which the promise of the network information infrastructure and environment is very great

* To provide an opportunity to review the priorities and progress of each of the Coalition Working Groups

* To facilitate communication between Coalition leadership and Task Force representatives

**PLENARY SESSIONS**

* Presentations of state-of-the-art tools and architectures for navigating networks and for facilitating use of networked information. Featured will be Knowbots, the Wide Area Information Server (WAIS), relevant initiatives of the Internet Engineering Task Force (IETF) including X.500 implementation efforts, and the National Science Foundation "Network Information Services Manager(s) for NSFNET and the NREN" project solicitation

* A discussion of network implementation and development strategy in light of the passage of the High Performance Computing Act of 1991 with its NREN provisions

## HIGHLIGHTS
### (continued)

- Vision statements on the use of networks for access to and delivery of public information and on the development of professionals as facilitators and human intermediaries in support of network users

- An update on Coalition projects and activities with an opportunity for comments and questions

## WORKING GROUPS

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

## SYNERGY SESSIONS

- Informal interactions about ideas and projects, proposed and convened by Meeting participants

## PROJECT BRIEFINGS

- 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 a buffet dinner

- A breakfast buffet and lunch buffet

- Breaks to nourish the body and to refresh the mind

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## SCHEDULE FOR TUESDAY, MARCH 24, 1992

**12:00 pm   Registration**..................................................................................................New Hampshire Foyer

Cold drinks and light refreshments will be available in the City Centre Ballroom.

**1:00 pm   Welcome and Overview**.........................................................................New Hampshire 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   Plenary Panel**.......................................................................................New Hampshire Ballroom

Paul Evan Peters, Director, Coalition for Networked Information, will moderate a panel devoted to four leading efforts that provide navigational strategies and tools for network users. Members of the panel will be:  Vinton Cerf, Vice President, Corporation for National Research Initiatives, who will discuss Knowbots; Brewster Kahle, Project Leader, Thinking Machines Corporation, who will discuss the Wide Area Information System (WAIS); Joyce K. Reynolds, Information Sciences Institute, University of Southern California, who will discuss relevant initiatives of the Internet Engineering Task Force (IETF) including X.500 implementation efforts; and, George Strawn, Program Officer, National Science Foundation, who will discuss the NSF "Network Information Services Manager(s) for NSFNET and the NREN" project solicitation.

**3:00 pm   Break**...............................................................................................................City Centre Ballroom

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

**3:15 pm   Project Briefings**

These briefings, listed below, will provide up-to-date factual and issue oriented information about projects related to the Meeting theme "Network Navigating and Navigators."

**Wide Area Information Servers:  A Supercomputer on Every Desk**.............................Potomac Room

Brewster Kahle, Project Leader, Thinking Machines Corporation

While computers have come to be used by professionals in all fields, finding and accessing information electronically that is not on your local file server has been limited to the trained and tolerant. This project attempts to change this by giving users simple user interfaces for finding servers and accessing the information on them.

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This system includes an English language questions-answering mechanism, personal newspapers being created offline, and remote servers.

This talk will report on this system for network publishing and will discuss the set of Internet tools that are being given away to help catalyze a market for information servers.

**Knowbots** .................................................................................................................... **New Hampshire III**

**Vinton Cerf**, Vice President, Corporation for National Research Initiatives

This session will describe a Multiple Database access project that Corporation for National Research Initiatives is involved in with support from the National Library of Medicine and the National Science Foundation. The focus will be on architectural considerations including the use of knowledge robot programs and distributed techniques for scaling the capacity of the design to handle increasing numbers of users and database services.

**The National Science Foundation "Network Information Services**
**Manager(s) for NSFNET and the NREN" Project Solicitation** .......................... **Board Room Suite 317**

**George Strawn**, Program Director, National Science Foundation

The rapid growth of the NSFNET has created the need for expanded network information services. That growth, together with the expiration of funding for the NSFNET National Service Center, has prompted a new solicitation. It is anticipated that this solicitation will result in one or more five-year cooperative agreements between NSF and the organization(s) chosen as the Network Information Services (NIS) Manager(s).

**The X.500 Protocol and User Services Planning in the Internet** ............................... **New Hampshire II**

**Chris Weider**, Information and Application Services, Advanced Network and Services, Inc.
**Joyce Reynolds**, Information Sciences Institute, University of Southern California

This session will focus on the X.500 protocol, which is designed to build a global distributed Directory for people, objects, and services. In this session you will learn what X.500 is, how it complements or supersedes other information service technologies such as Z39.50, what state the X.500 projects are in, and where to go for more information. Also at this session, Joyce Reynolds will follow-up on her plenary presentation. The role of the Internet Society, the Internet Activities Board (IAB), the Internet Engineering Task Force (IETF), and its User Services Area in the development of user services for Internet information providers will be reviewed.

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Gopher ..................................................................................................................Foggy Bottom Room

Mark McCahill, Manager, Microcomputer and Workstation Networks Center, University of Minnesota

> Internet Gopher is a client/server system that gives clients seamless access to Gopher servers distributed over the Internet. The Gopher briefing will discuss how the Gopher information system is currently being used to provide access to documents and databases, how gateways between Gopher and services such as FTP, Archie, and WAIS expand the scope of Gopher, and Gopher's projected evolutionary path.

Resource Discovery on the Internet - the Archie approach ...........................................Willow Room

Peter Deutsch, Computing Centre, McGill University

> The Archie project provides an information indexing and location service to Internet users. The current implementation tracks over 1000 archives, containing over 1,500,000 files. Work is underway to extend this service to track other kinds of information and extend functionality of the existing services. This session will provide an overview of Archie today, describe our plans for the next release, and touch upon some of the outstanding issues and research topics we are focused upon. Archie's relationship with other projects in this field, including Prosporo, WAIS, WWW, etc. will also be reviewed.

Bibliographic Description and Control for the Internet.........................................New Hampshire I

Accessing Information on the Internet: Toward Providing Library Services for Computer-Mediated Communication

Martin Dillon, Director, Office of Research, OCLC, Inc.

Enhancement of MARC Formats for Networked Resources and Services

Sally McCallum, Chief, Network Development & MARC Standards Office, Library of Congress

> This session will explore two topics:

> The OCLC Internet Resources project, funded by the U.S. Department of Education, Library Programs, investigates the nature of electronic textual information accessible via the Internet. This empirical study explores the practical and theoretical problems associated with providing traditional library services for electronic text in a wide-area network environment.

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The Library of Congress recently issued a new draft of its MARBI Discussion Paper #54, *Providing Access to Online Information Resources*. This work is part of the Library of Congress effort to enhance the MARC formats to account for the cataloging requirements of networked resources and services.

**Two Phase Discovery: Netfind**...........................................................................................Dupont Room

Michael Schwartz, Assistant Professor, Department of Computer Science, University of Colorado, Boulder

This session will present an approach to network navigation called Two Phase Discovery. Specific examples of this paradigm will be drawn from an Internet "white pages" tool called Netfind, which is capable of locating millions of people at thousands of sites worldwide.

**4:00 pm   Break** ...................................................................................................New Hampshire Foyer


**4:15 pm   Synergy Sessions**

These sessions, listed below, will provide an opportunity for Meeting participants to interact informally about projects and ideas of their own choosing.

**USC Info**...............................................................................................................Foggy Bottom Room

John Waiblinger, Assistant University Librarian for Academic Information Services, University of Southern California
Judith Turner, Director, Chronicle Information Services

The *Online Chronicle of Higher Education* (OCHE) has now been in use at USC for six months. During this period, we have collected usage information, established a user discussion panel, implemented an online user survey, and begun a formal evaluation process. We will discuss initial results of the evaluation process and some future plans/ideas for the project. As an added incentive, temporary guest accounts will be made available.

**Toward a Copyright Management System for Digital Libraries**........................ New Hampshire III

John R. Garrett, Director of Information Resources, Corporation for National Research Initiatives
Joseph S. Alen, Vice President, Copyright Clearance Center

Copyright management remains one of the most important and complex issues in building digital

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libraries. This session will focus on the recent CCC/CNRI Report, in a wide-ranging discussion of related issues.


**Scholarly Communications**............................................................................................**Willow Room**

**Brian Kahin**, Director, Information Infrastructure Project, Harvard University

This session will review the joint Harvard/Coalition project and set an agenda for the project and its individual task groups. Participants are encouraged to make an attempt to review the associated draft background paper, available on the Information Pickup Table, in advance.


**Why go it alone? Partnerships for Navigating the NREN: Public Libraries,**
**State Libraries, School Libraries and College and Universities**..............................**Potomac Room**

**Laura J. Isenstein**, Coordinator, Information Services, Baltimore County Public Library
**Charles R. McClure**, Professor, School of Information Studies, Syracuse University

Presenters and participants will explore the concept of developing cooperative projects that link a variety of institutions in order to meet the information needs of diverse constituent populations via access to the resources available on the NREN.

The session will:

- discuss the benefits of partnerships as a means of breaking down real and perceived access and navigation barriers to the Internet/NREN.
- highlight existing successful partnerships among libraries in the area of network access and navigation.
- identify the kinds of information resources and services from a variety of libraries that could be made available via access to the Internet/NREN.
- suggest pathways for accessing the network--potential links via academic institutions, State Libraries, OCLC, and regional consortiums (i.e. Solinet, Palinet, Amigos, CLASS, etc.)


**The Gift Economy and the Market Economy on the Network: Two Examples**......**New Hampshire II**

**George H. Brett**, Program Manager for Networked Information, University of North Carolina General Administration
**Steven Cisler**, Senior Scientist, Apple Library, Apple Computer, Inc.

Innovations on the network come from many sources and with various motivations. Two relatively new services, American Information Exchange and MUSE represent experiments in

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collaboration, construction of virtual spaces, and pure electronic marketplaces.

George Brett will discuss the Multi User Simulation Environment (MUSE), an interactive educational environment where people of all ages can explore, examine, and program objects using a special language. They construct rooms, houses, theme parks, museums, and other public spaces for use by others.

Steve Cisler will talk about the emergence of the American Information Exchange, a subsidiary of AutoDesk, that is trying to foster the growth of a low-cost forum for consultants, writers, mavens, and for their potential clients. AMIX will make its money by charging a transaction fee.


**CUPID Architecture Report**...............................................................................**Board Room Suite 317**

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

The CUPID project has developed the technical architecture which will provide a specification for the network-based, on-demand, distributed printing of finished documents. The architecture supports functions for the publisher, printer, and their agents. The architecture has server based functions including order acceptance, job set-up, registration, addressing, routing, document pre-viewing, proofing, printing, accounting, and permissions/payments settlements. The architecture is open and supports Xerox Docutech and Kodak Lionheart printers. It is a finished document print function which will be submitted to IETF for acceptance as a standard. It is a mid-layer protocol providing the interface between the physical network and applications requiring finished printing (on-demand) and distribution via Internet.


**Regional Accreditation Standards in a Networked Environment:**
**What Role for the Coalition?**...............................................................................**New Hampshire I**

**John R. Haak**, University Librarian, University of Hawaii at Manoa

The College and University President's Forum of the Western Association of Schools and Colleges recently requested a review of existing standards related to libraries given the new information technologies. This session will review the questions asked by the Forum, will summarize the current standards of the six regional accreditation associations as they relate to libraries, computing, and telecommunications, and will encourage discussion of the Coalition's future role in shaping accreditation standards that are appropriate to our world of networked information and helpful to institutions of higher education as they seek both to adapt and to improve quality.

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5:00 pm   Break ..................................................................................................................New Hampshire Foyer


5:15 pm   Project Briefings


The Mann "Gateway": A Unified Point of Entry to
Information Resources on the Internet......................................................................New Hampshire I

Howard  W. Curtis, Head, Information Technology Section, Mann Library, Cornell University

> Mann Library, Cornell University, has developed a "Gateway" system which presents users
> connected to the campus network with a selection of scholarly information systems, some
> locally developed and some accessible over the Internet. The Gateway maintains information
> about both users and information resources, and establishes telecommunication sessions on the
> information systems that users select.  This briefing will treat the development of such a
> Gateway system as a means of coordinating user access to locally developed systems and FTP
> resources on the Internet, and introduce issues that confront the library as we plan
> enhancements.


Descriptions of the following project briefings are listed under the 3:15 p.m. sessions.


Wide Area Information Servers: A Supercomputer on Every Desk..............................Potomac Room

> Brewster Kahle , Project Leader, Thinking Machines Corporation


Knowbots.................................................................................................................. New Hampshire III

> Vinton Cerf, Vice President, Corporation for National Research Initiatives


The NSF "Network Information Services Manager(s) for
NSFNET and the NREN": Project Solicitation ..............................................Board Room Suite 317

> George Strawn, Program Director, National Science Foundation


User Services Planning in the Internet...................................................................New Hampshire II

> Chris Weider, Information and Application Services, Advanced Network  and Services, Inc.
> Joyce Reynolds, Information Sciences Institute, University of Southern California

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**Gopher** ........................................................................................**Foggy Bottom Room**

**Mark McCahill**, Manager, Microcomputer and Workstation Networks Center, University of Minnesota

**Resource Discovery on the Internet - the Archie approach** ...........................................**Willow Room**

**Peter Deutsch**, Computing Centre, McGill University

**Two Phase Discovery: Netfind**............................................................**Dupont Room**

**Michael Schwartz**, Assistant Professor, Department of Computer Science, University of Colorado, Boulder

**6:00 pm  Reception**........................................................................**City Centre Ballroom**

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** ........................................................ **New Hampshire Ballroom and Potomac Room**

A buffet, featuring a variety of salads, a choice of entrees, and dessert will be available.

**8:00 pm  Vision Presentation**........................................................**New Hampshire Ballroom**

**Pat Molholt**, Associate Director of Libraries, Rensselaer Polytechnic Institute and a computer science doctoral candidate at Rensselaer Polytechnic Institute, will address the importance of human resources, and the professional and user support services they enable, to the networked information infrastructure and environment.

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## SCHEDULE FOR WEDNESDAY, MARCH 25, 1992

7:30 am    Registration and Continental Breakfast.................................................................City Centre Ballroom

Coffee, tea, juices, mineral water, sodas, fruit, yogurt, and a variety of bread stuffs will be available.

8:30 am    Plenary Session ......................................................................................................New Hampshire Ballroom

Richard West, Associate Vice President of the University of California and Chair of the Coalition Steering Committee, will moderate a panel devoted to perspectives on and issues concerning network implementation and development strategy in light of the passage of the High Performance Computing Act of 1991 with its NREN provisions. Members of the panel will be: Michael Roberts, Vice President, Networking, EDUCOM; John Clement, Director, K-12 Networking, EDUCOM; Susan Brynteson, Director of Libraries, University of Delaware, representing the Association of Research Libraries; Laura Isenstein, Coordinator, Information Services, Baltimore County Public Library, representing the Public Library Association; Noreen Alldredge, Dean of Libraries, Montana State University, representing the Association of College and Research Libraries; and, Howard McGinn, State Librarian of North Carolina, representing the Chief Officers of State Library Agencies.

10:00 am   Break .......................................................................................................................City Centre Foyer

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

10:30 am   Working Group Small Group Discussions

Each Working Group Leader will focus on particular areas of accomplishment and also provide time for discussion of priorities and plans. Please refer to the *Report on Program Priorities* document in your registration packet for the agendas of each group.

Modernization of Scholarly Publishing.........................................................................Potomac Room

Karen Hunter, Vice President and Assistant to the Chairman, Elsevier Science Publishers BV
Dorothy Gregor, University Librarian, University of California at Berkeley

Transformation of Scholarly Communication and
Architectures and Standards ........................................................................................Willow Room

Peter Lyman, University Librarian and Dean, University of Southern California
Clifford Lynch, Director, Library Automation, University of California, Office of the President

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**Directories and Resource Information Services**..................................................City Centre I

George H. Brett II, Consultant for Libraries and Networked Information, University of North
    Carolina General Administration
Peggy Seiden, Head Librarian, Pennsylvania State University at New Kensington

**Legislation, Codes, Policies, and Practices** ...................................................Dupont Room

Richard Akeroyd, Jr., State Librarian, Connecticut State Library
Peter Graham, Associate Vice President for Information Services, Rutgers University

**Access to Public Information**.................................................................City Centre II

John Hankins, Assistant Director, CICNet, Inc.
Barbara von Wahlde, Associate Vice President for University Libraries, State University of New
    York at Buffalo

**Teaching and Learning** ...............................................................Board Room Suite 317

James Luckett, 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

**Management and Professional and User Education**...................................Foggy Bottom Room

Sheila D. Creth, University Librarian, University of Iowa
Lee Alley, Assistant Vice President for Information Resources Management, Arizona State
    University

12:30 pm  Lunch.................................................... New Hampshire Ballroom and Potomac Room

A deli buffet, including sandwiches, salad, and dessert, will be available together with iced tea,
mineral water, and sodas.

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**1:15 pm   Vision Presentation**...........................................................................................New Hampshire Ballroom

**Wayne Kelley,** Assistant Public Printer and Superintendent of Documents, will address the principles and strategies he is using to explore and exploit technological ways and means for improving access to and delivery of public information.


**2:00 pm   Plenary Session**...............................................................................................New Hampshire Ballroom

**Richard West,** Associate Vice President of the University of California and Chair of the Coalition Steering Committee, will update the membership on the scope of Coalition activities and provide members an opportunity to give input to the Steering Committee and to **Duane Webster,** Executive Director, Association of Research Libraries, **Jane Ryland,** President, CAUSE, and **Kenneth King,** President, EDUCOM. Brief reports will be made on the Rights for Electronic Access to and Delivery of Information (READI) Program, the TopNode Project, the Packet of Information for Use in Formulating and Addressing Institutional and Organizational Issues Arising from the Emergence of a National Networked Information Infrastructure and Environment, the Development of Cost/Benefit Analyses of Alternative Models for the GPO WINDO Legislative Proposal, and the Z39.50 Implementation Testbed. Other reports and announcements will be invited from individual Working Group leaders and from other Meeting attendees.


**3:00 pm   Adjournment**