MINORITY ON-LINE INFORMATION SERVICE
(MOLIS)

A Minority Research and Education Information Service

Final Report

for

Department of Energy Grant No. DE-FG05-90ER75602

Submitted by:
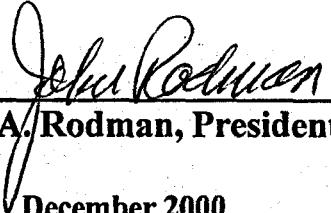
John A. Rodman, President

December 2000

ScienceWise
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DISCLAIMER

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This is the final report for the Department of Energy (DOE) Grant No. DE-FG05-90ER75602, *MOLIS: Minority Research and Education Information Service*, which summarizes the significant accomplishments attained throughout the ten-year history of the grant.

In 1990, in support of the White House Initiative Executive Order 12677 on HBCUs, Federal Information Exchange, Inc. (now "ScienceWise") received a DOE five-year research grant to develop and pilot test a minority on-line information system - MOLIS. This system was designed to facilitate the exchange of information between federal agencies and the minority higher education community. The major objectives of the MOLIS project were twofold:

> 1. Broaden the participation of Historically Black Colleges and Universities (HBCUs), Hispanic Serving Institutions (HSIs) and Minority Institutions (MIs) in federal research and education programs by making their institutional capabilities available on-line to federal administrators, and
>
> 2. Provide HBCUs, HSIs, and MIs with easy on-line access to federal minority program information at no cost.

A third objective, to electronically deliver research educational and technical assistance opportunities, at no cost, to the HBCUs, HSIs and MIs, was integrated in 1996 with the addition of the FEDIX Opportunity Alert system.

The original purpose for developing and pilot testing MOLIS was to "level the playing field" by ensuring federal grant opportunities would be accessible to minority institutions and that federal agency program managers would have current information about HBCU's, HSI's and MI's research and training capabilities. During the course of its ten-year project period (1990-2000), MOLIS has successfully:

> 1. Provided incentives for the minority education community to enhance and, in some cases, initiate development of their computing and telecommunication infrastructure.
>
> 2. Helped to ensure that the federal education assistance process is applied more equitably.
>
> 3. Enabled minority colleges and universities to more effectively communicate with the Federal government.
>
> 4. Conducted on-campus training sessions for university administrators and staff in accessing the Internet and using the new web-based data collection technology that enables them and the faculty at MOLIS institutions to maintain institutional and faculty profiles themselves, thus giving the schools more control over updating their information.
>
> 5. Assisted federal agency personnel by providing them with on-line access to current and detailed information about the education, research, faculty, equipment and other capabilities of HBCUs, HSIs and MIs.

The MOLIS project has greatly exceeded the initial expectations outlined by its participating federal agencies. The success it has achieved is due to the real world value of its institutional data to the Federal government and its program and funding opportunities data to minority campuses. MOLIS has developed into the most comprehensive information database available on HBCUs, HSIs and MIs.

To give the reader a complete understanding of the MOLIS effort over the last five years since our Renewal Application in May 1995, enclosed as *Attachment (1)* is a copy of each Progress Report.

Over the past 10 years MOLIS has been supported via partnerships with a number of different federal agencies through Department of Energy and Department of Defense cooperative agreements. These agencies have included:

- Department of Energy
- Department of Defense, Office of Small and Disadvantaged Business Utilization
- Department of Commerce
- Department of Housing and Urban Development
- Department of Agriculture
- Department of Veterans Administration
- Defense Information Agency/Defense Automation Resources Information Center
- Agency for International Development
- National Aeronautics and Space Administration
- National Science Foundation
- National Security Agency
- Environmental Protection Agency

Launched at the beginning of the Internet era, the MOLIS programs and databases have been constantly upgraded to provide users with the quickest and most convenient access to information possible. Improvements to web page designs throughout the system over the past ten years have created greater accessibility, increased performance, ease of maintenance, improved connectivity and file transfer, as well as better search and maintenance capabilities.

In March 1996, the FEDIX Opportunity Alert! (FOA) (now "ScienceWise Alert")service was added to the system. It is a free e-mail service that enables users to register on FEDIX, select the keywords that identify their area(s) of interest and automatically begin receiving email announcements on research and education funding opportunities within their interest areas. The system is based on the "Grants Keyword Thesaurus", which is a standardized set of keywords used nationwide for federal research administration. FOA currently has a subscriber base of more than 215,000 registered users and delivers an average of 1.3 million Alerts per month.

In February 1997, the Department of Defense/Office of Small and Disadvantaged Business Utilization (OSDBU) became a major MOLIS sponsor. As a result of DOD's participation, more than 100 minority institutions were added to MOLIS, for a current grand total of 269 institutions. The complete list of schools currently on MOLIS may be found at *Attachment 2.*

A major effort was initiated, and continues as an on-going process, to update the information on all the institutions on MOLIS. All available resources and methods are used; sources include current school catalogs, fact books, web sites, information services, and direct contacts with the schools.

Completed revisions and updates for all the 269 institutions include:
- *Main Page*: Address and telephone number
- *General Page*: Mission statement and history
- *Consortia*: Partnerships
- *Degrees*: Granted in 1996-97; based on the most current official information provided by the Department of Education IPEDS data files
- *Financial*: Revenues and Expenditures; based on the most current official information provided by the Department of Education IPEDS data files
- *Other*: Most recent information provided by NSF surveys
- *Research Centers*
- *Awards*: Awards granted by federal agencies to the institutions
- *Profiles*: Faculty member profiles

Also, in the course of promoting and improving communication between the federal government and the minority higher education community and among the HBCUs, HSIs and MIs themselves, ScienceWise has added links to all participating MOLIS institutions' homepages.

In order to expand the number of system users and increase the level of participation by government and academic leaders, ScienceWise staff utilizes meetings, conferences, status updates, news releases and other means of communication to increase awareness and utilization of MOLIS. The staff presents and exhibits at conferences, workshops, and meetings attended by research administrators, investigators, federal program managers, secondary school officials, foundation officers, corporate leaders, minority business owners and pre-college teachers. Presence at these meetings helps bring awareness of the benefits and advantages offered by MOLIS to the schools and assists in increasing participation of the institutions in developing proposals to grants, technical assistance and other opportunities. A listing of outreach activities is included in each Progress Report; the list for 1999 and 2000 are in *Attachment 3*.

A complete redesign of the database was accomplished together with other technology improvements. This now allows web-based data collection and enables administrators and faculty at MOLIS institutions to maintain institutional and faculty profiles themselves, thus giving the schools more control over updating their information.

Upgrades to hardware have been crucial to keeping pace with the rapidly expanding user base and increased volume of data processed and stored. From its early development to the present, the technical staff has made every effort to provide the necessary hardware to support and operate the expanding MOLIS system capability and enhance its functionality and flexibility.

ATTACHMENTS

(1)   MOLIS Renewal Application, May 1, 1995
        MOLIS Annual Progress Report, September 1, 1995 – August 31, 1996
        MOLIS Annual Progress Report, September 1, 1996 – August 31, 1997
        MOLIS Annual Progress Report, September 1, 1997 – August 31, 1998
        MOLIS Annual Progress Report, September 1, 1998 – August 31, 1999

(2)   List of all Minority Institutions Currently on MOLIS.

(3)   List of Outreach Activities, 1999 and 2000.

(4)   Latest MOLIS Brochure. *(not received by OSTI)*

MINORITY ON-LINE INFORMATION SERVICE
(MOLIS)

A Minority Research and Education Information Service

Annual Progress Report

September 1, 1998 - August 31, 1999

Department of Energy Grant No. DE-FG05-90ER75602

Submitted by:

John A. Rodman, President

May 1999

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Introduction

In accordance with the objectives established in the Department of Energy Grant No. DE-FG05-90ER75602, *MOLIS: Minority Research and Education Information Service*, Research and Management Systems, Inc. (RAMS) (formerly Federal Information Exchange, Inc.) continues its mandate to: a) broaden the participation of minority institutions in the federal government's research, development, and education programs by providing easy on-line access to Federal agency programs for minorities at no cost; b) provide on-line access to information on minority institutions including their capabilities and needs, faculty profiles, current educational, research, and service programs; and c) electronically deliver research educational, and technical assistance opportunities to the HBCUs, HSIs and MIs. This status report describes the continuing development and maintenance of the Minority Online Information Service (MOLIS) project during the period September 1998 to August 1999.

ACCOMPLISHMENTS

Increased Awareness of and Participation in MOLIS

Increases in overall system usage during the reporting period indicate that MOLIS is providing a valuable service that is successfully attracting a significant user base. From September 1998 to April 1999, the total number of file requests from the MOLIS Web site was almost 3.0 million. During the same period, the average monthly number of unique Web sites accessing MOLIS was 34,406 up from 28,980 for the same period last year.

Monthly accesses to FEDIX/MOLIS by users at individual web sites rose from 69,053 in August 1998 to 74,324 in April 1999, a slightly lower figure from the 83,577 registered for the previous month of March 1999.

MOLIS Database
Total Unique Web Sites
(In Thousands)
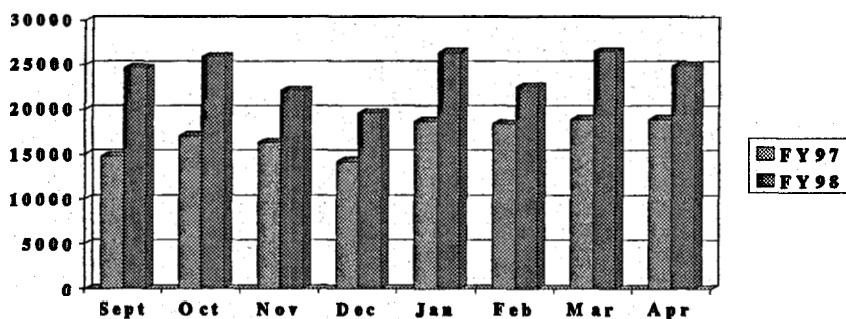
Increased On-line System Usage

The total number of documents (HTML files only) requested each month increased from approximately ____,000 to over ___,000 from September 1998 to April 1999. The average number of total (HTML and multi-media files) file requests per day grew from nearly ___,000 to just under ___,000 during the same period.

Accesses by individuals in government and education increased to _____ from _____ during the same period last year. The charts presented below show the growth in the various areas.

MOLIS Database
Total Requests
(In Thousands)

Legend: FY97, FY98

Education
Total Requests

	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr

Legend: FY97, FY98

Government / Military
Total Requests

	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr

Legend: FY97, FY98
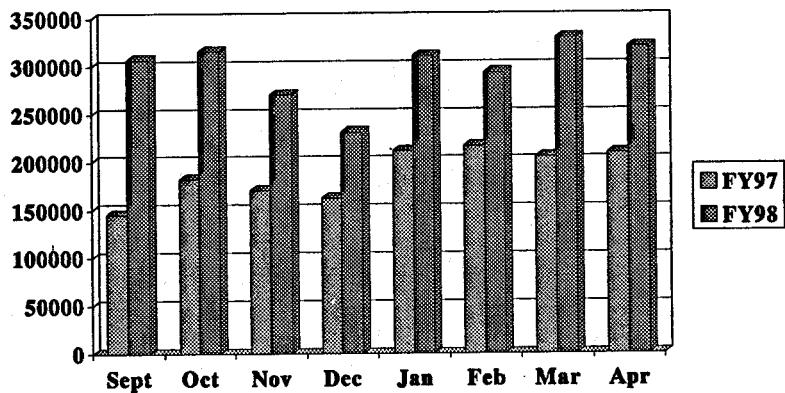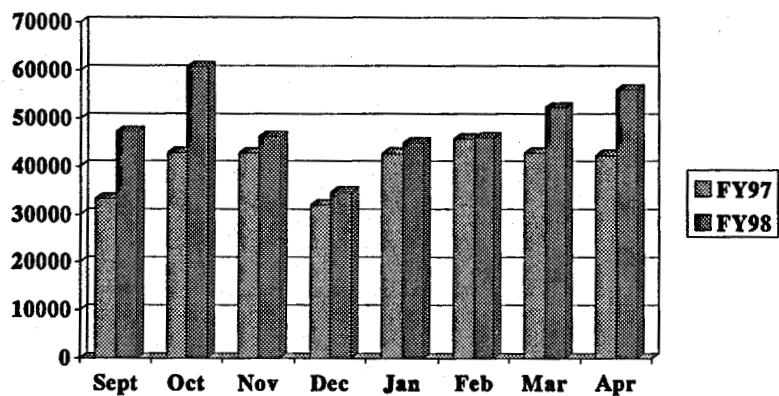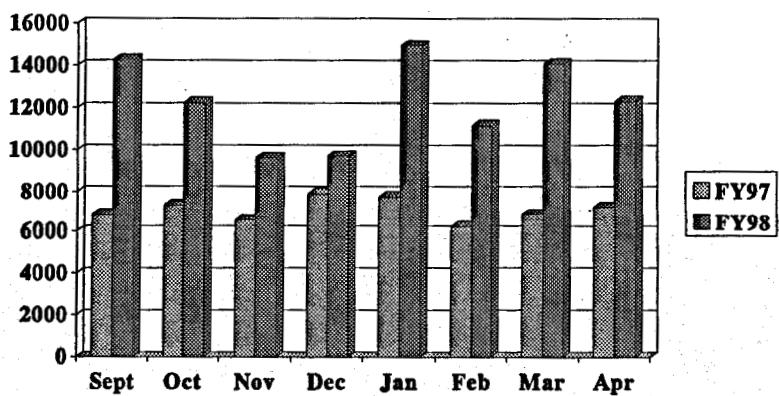
Expanded Participation to Include 50 New HIS Schools

Thanks to the funding received by the Office of Small and Disadvantaged Business Utilization of the Department of Defense, we have been able to increase the participation of minority institutions in MOLIS and improve the process for exchanging information on federal opportunities between the government and the education community. During the summer of 1998, a letter of invitation was sent to seventy (70) schools specified as HSIs in the 1998 U.S. Department of Education List of Accredited Post Secondary Minority Institutions to have them

join the institutions currently participating in MOLIS. From the responses received, fifty (50) schools were chosen to be added to the system. See Attachment (1) for a complete list of these institutions.

Completed Training and Outreach Activities

In order to expand the number of system users and increase the level of participation by government and academic leaders, RAMS staff utilized meetings, conferences, status updates, news releases and other vehicles to increase awareness and utilization of MOLIS. Statistical evidence of increased usage indicates these activities were successful in attracting a significant user base.

RAMS staff presented and exhibited at conferences, workshops, and meetings attended by research administrators, investigators, federal program managers, secondary school officials, foundation officers, corporate leaders, minority business owners, and pre-college teachers. Presence at these meetings and conferences helps bring awareness of the benefits and advantages offered by MOLIS to the schools and assists in increasing participation of the minority institutions in developing proposals in response to grants, technical assistance and other opportunities. For a comprehensive list of MOLIS outreach activities during this reporting period please see Attachment (2)

Collected and Electronically Delivered Announcements about Opportunities

One of the important aspects of the MOLIS project is the effort to deliver announcements about funding opportunities via e-mail to faculty and research staffs at the minority institutions by means of the *FEDIX Opportunity Alert!* – at no cost to the member or the school.

Participating agencies' funding announcements that appear in the *Commerce Business Daily* and *Federal Register* are collected, keycoded, posted and distributed by the *FEDIX Opportunity Alert!* (FOA) service to faculty members and administrators at minority institutions each day. During the period September 1998 through April 1999, over _____ opportunities were e-mailed to FOA registered users for a combined total of _____ announcements delivered.

In addition, letters were mailed to a contact at each of the 104 HBCU institutions informing them of the benefits of FEDIX, MOLIS and FOA, and encouraging them to disseminate the information to faculty members and others at their institution to register and receive the *FEDIX Opportunity Alert!* at no cost. During the month of September 1998, surveys were conducted of 34 Minority Institutions including Hispanic Serving, Tribal, Predominantly Black and other MIs to identify a primary contact. At those institutions not having an administrative office or an institutional infrastructure such as a sponsored programs office, we were able to secure the cooperation of either a grant writer or the President of the institution. Letters similar to those sent to the HBCUs were sent to each of these MIs with information regarding FEDIX, MOLIS and FOA.

Collected and Updated Institutional Data

Information collection is a on-going process. The staff at RAMS collects data from a multitude of sources including current school catalogs, web sites, information services, direct contacts with the institutions, and other sources to update institution information on the MOLIS. The institutional information includes:

o General descriptive data and mission statement;
o Academic programs, degrees, accreditation;
o Research capabilities;
o Facilities, instrumentation, equipment;
o Faculty/administrator profiles;
o Updates of current announcements of interest to the agencies;
o FY99 agency minority funding programs;
o Comprehensive list of minority fellowships & scholarships;
o Institutional programs profiles;
o Background information about tribal colleges;
o Pre-college programs, and
o Federal grants expenditures

## Implemented New Information Technology

Enhancements to the present system to facilitate the input and update of information on-line as well as expand the current search capabilities continue to be developed. A complete redesign of the database was accomplished and the web front end to the database for use by the institutions in managing their own data in MOLIS entered the testing phase. Design of the web pages for displaying the new database on-line was started. It is anticipated that the prototype for the new web interface will be ready for use by all schools by the start of the new school year in September.

Additionally, the staff is porting the MOLIS database technology to a new database engine that allows for easier data manipulation and improves the searches available on the on-line system. The new search capability will give users greater flexibility in finding and extracting information from MOLIS.

The new, revised web site will have an entirely different look for MOLIS users. It continues to provide easy access to the information, but with an improved interface.

Department of Defense
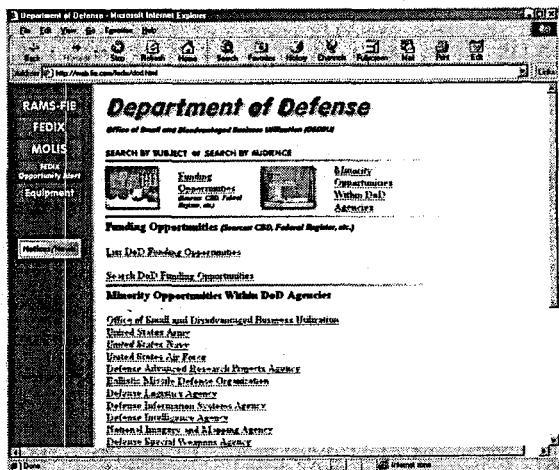
The technical staff has implemented new technology to create and run dynamic, interactive, high-performance Web server applications. Using Active Server Page technology, we now provide MOLIS users with greatly enhanced functionality and flexibility. These improvements allow Web-based data collection and enable administrators at MOLIS institutions to maintain institutional and faculty profiles themselves. This gives the schools more control over updating their information while reducing the data maintenance/quality control burden for RAMS. The following examples show some of the screens used by the university's administrators to manage data on MOLIS:

Individual faculty members are now able to access the system and update their own profiles using the following screens:

7

PERSONAL INFORMATION

OFPS
Admin Utilities
Manage Users
Name Information
Personal Information
Expertise
Publications
Accomplishments
EXIT

Personal Type: Administrator
Title: Chairman
If you select "other", please type:
Rank: Adjunct
If you select "other", please type:
Social Security Number:
Department: Deeee
Department Phone:
College: Cooo
Campus Name: Alabama A&M University
Street Address: 450 Any Street

EXPERTISE

OFPS
Admin Utilities
Manage Users
Personal Information
Expertise
Publications
Accomplishments
EXIT

Degree: BA
If you chose Other, please type:
Degree In: Chemistry
Discipline:
Year Received: 1998
Highest Degree Earned From:
Languages Spoken/Written:
Primary Research Capability:

Review Panels:

ACCOMPLISHMENTS

OFPS
Admin Utilities
Personal Information
Expertise
Publications
Accomplishments
EXIT

Externally Funded Research Projects:

Project 1)
Title:
Sponsor: Amount $
Date Range: From To

Project 2)
Title:
Sponsor: Amount $
Date Range: From To

Project 3)
Title:
Sponsor: Amount $
Date Range: From To

Organizations you have recent/current consulting arrangements with:

Additionally, the staff has ported the MOLIS database technology to a new database engine that allows for easier data manipulation and improves the searches available on the on-line system. The new search capability gives users greater flexibility in finding and extracting information from MOLIS.
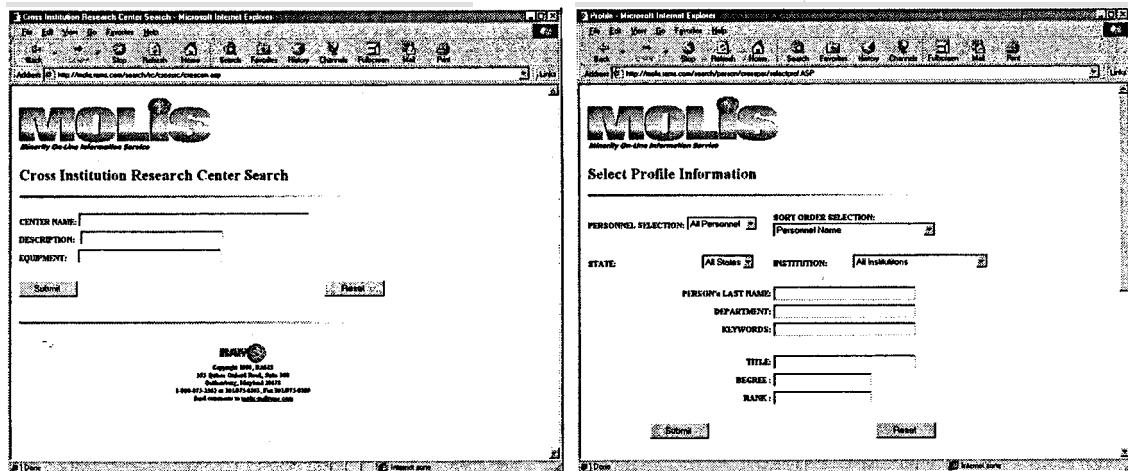
Awards

We are very proud to report that the Minority On-Line Information Service (MOLIS) web site has been recognized by the American College Entrance Directory as one of the best college entrance web sites on the Internet" because of its useful information and benefits to students. See Attachment 5.

ATTACHMENTS

(1) List of 50 HSIs that Have Agreed to Join MOLIS

(2) MOLIS Outreach Activities, Meetings and Conferences, May 1998 - August 1999

(3) MOLIS Web Site Statistics – September 1998 to April 1999

(4) List of Minority Institutions Information Updates, September 1998 - April 1999

(5) Recognition by the American College Entrance Directory

HSIs that Have Agreed to Join MOLIS

Allan Hancock College	CA
Arizona Western College	AZ
Bakersfield College	CA
Borough of Manhattan Community College	NY
California State University - Bakersfield	CA
California State University - Fresno	CA
California State University - Northridge	CA
Citrus College	CA
City College of New York	NY
Coastal Bend College (Formerly Bee County College)	TX
College of Aeronatics	NY
College of the Sequoias	CA
East Los Angeles College	CA
Eastern New Mexico University - Roswell	NM
Fresno City college	CA
Fullerton College	CA
Gadsden State Community College	AL
Gavilan College	CA
Harry S. Truman College	IL
Kelsey Jenney College	CA
Los Angeles City College	CA
Los Angeles Harbor College	CA
Los Angeles Mission College	CA
Los Angeles Trade Technical College	CA
Los Angeles Valley College	CA
Malcolm X College	IL
Merced College	CA
Mount San Antonio College	CA
Mountain View College	TX
New Mexico State university - Carlsbad	NM
New Mexico State University - Dona Ana	NM
New Mexico State University - Grants	NM
Oxnard College	CA
Porterville College	CA
Reedley College (Formerly Kings River Comm. Clg..)	CA
Richard J. Daley College	IL
Saint Edward's University - Austin	TX
San Antonio College	TX
Santa Ana College	CA
South Plains College	TX
Southwest Texas Junior College	TX
Southwestern College	CA
Texas State Technical College - Harlingen	TX
Trinidad State College	CO
University of Houston - Downtown	TX
University of LaVerne	CA
University of Texas - Brownsville	TX
Ventura College	CA
Wilbur Wright College	IL
Woodbury University	CA

MOLIS OUTREACH ACTIVITIES

MEETINGS AND CONFERENCES
May 1998 - August 1999

_1998_

- SRA Southern Section and the National Sponsored Programs Administrative Alliance (NSPAA) Joint Meeting in Mississippi
- National Association for Equal Opportunity and Higher Education (NAFEO), Washington, D.C.
- U.S. Army Medical Research and Materiel Command, Networking Conference II, Reston, VA
- Joint NCURA/SRA Meeting in Columbus, OH
- Small Business Industry Day, Bolling Air Force Base, DC
- NCURA Region III meeting, Charleston, SC
- SRA Northeast Section meeting in Newport, RI
- SRA Western Section Meeting in San Francisco, CA
- TRIAD Association Regional meeting, Fairfax, VA
- National Sponsored Programs Administrative Alliance (NSPAA) 5th Annual Conference, VA
- Demonstration and exhibit at Society of Research Administrators Conference in Ponce, PR
- Presentation at Morris Brown College in Atlanta, GA
- Demonstrations and exhibits for the White House Initiative-sponsored HBCU Week
- Demonstration at the Fifth National HBCU Faculty Development Symposium in Miami, FL
- Fifth National HBCU Faculty Development Symposium in Miami, FL
- NCURA 40th Annual Meeting, Washington, D.C.

_1999_

- UNCF Annual DOD HBCU/MI Conference at Tuskegee University in Tuskegee, AL
- Electronic Research Administration Workshop presented for the College Fund Infrastructure and Development Assistance Program at the Institute of American Indians Arts College in Santa Fe, NM
- MOLIS workshop presented at Grambling State University, Grambling, LA
- Presentation at The College Fund/UNCF Infrastructure Development Assistance Program, Department of Defense HBCU/MI Technical Assistance Conference, co-hosted by the University of the Incarnate Word, San Antonio, TX
- MOLIS workshop on Electronic Research Administration for a DOD Sponsored conference, White Plains, NY
- Presentation at the Department of Transportation in Washington, D.C.
- Exhibit at the National Association for Equal Opportunity and Higher Education (NAFEO) Annual Meeting, Washington, D.C.

- Four Workshops held before the Chancellor, Deans and Administrators and Faculty and Research Administrators at the University of Puerto Rico in Mayaguez, Puerto Rico
- Society of Research Administrators meeting in Lake Geneva, Wisconsin
- The College Fund - Department of Defense sponsored Electronic Research Administration Seminar in Winston-Salem, North Carolina.
- HBCU Substance Abuse Conference sponsored by the National Institutes of Health (NIH) and the Substance Abuse and Mental Health Services Administration (SAMHSA) in Baltimore, Maryland

Upcoming Meetings

MOLIS Web Site Statistics

September 1998 – April 1999

	Total Requests	Unique Web Sites
September:	352,241	32,666
October:	406,134	36,883
November:	368,181	32,906
December	306,237	27,317
January:	419,431	41,202
February:	379,768	36,490
March:	395,950	35,421
April:	371,006	32,368

From: Jack Howell[SMTP:jhowell@aaced.com]
Reply To: best@aaced.com
Sent: Thursday, October 15, 1998 7:11 PM
To: molis-m@rams-fie.com
Subject: Award Announcement

<< File: recommendedby.gif >>
Congratulations Minority OnLine Information Service!

American College Entrance Directory has recognized your web site as one
of the best college entrance web sites on the Internet. We are
impressed with your web site because it's fast, has useful information,
and is maintained and updated regularly. Students will greatly benefit
by visiting your web site.

Aaced.com researches the entire Internet, and then categorizes the very
best and most essential college entrance sites. Our site is becoming
very popular, very quickly because we help high school students and
parents save time in their college entrance information searches.
As a listed site, we hope you'll choose to display our link button on
your awards page. Displaying the American College Entrance Directory
button identifies your web site as one of the Internet's very best
college entrance web sites.
Simply copy the attached graphic, place on your awards page, and link
to:
http://www.aaced.com

Feel free to visit your listing on American College Entrance Directory at:
http://www.aaced.com/minority.shtml

If you choose to display the AACED.com link button or if you have any
questions, please contact me at:
best@aaced.com
We would love to hear from you.

Once again, congratulations!

Jack Howell, Senior Editor
jhowell@aaced.com
American College Entrance Directory
www.aaced.com

MINORITY ON-LINE INFORMATION SERVICE (MOLIS)

A Minority Research and Education Information Service

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Annual Progress Report

September 1, 1996 - August 31, 1997

Department of Energy Grant No. DE-FG05-90ER75602

Submitted by:

John A. Rodman, President

31 May 1997

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Introduction

This report documents major developments regarding the Minority Online Information Service (MOLIS) project during the period of September 1996 to August 1997 including:

- sponsorship by DoD's Office of Small and Disadvantaged Business Utilization
- participation by fifty new Minority Institutions
- development of an improved on-line data collection process using new technology
- development of a new means of communicating with MOLIS schools
- completion of extensive training and outreach activities.

The Minority Online Information Service (MOLIS) provides federal program managers and other administrators with a means of learning about the research and educational capabilities of minority-serving colleges and universities. Information disseminated by the MOLIS system, including faculty profiles and descriptions of campus research centers and equipment, helps federal administrators realize fuller participation by Minority Institutions in their federally-sponsored research and education programs. In addition, the service provides Minority Institutions with access to information about federal funding opportunities. Funding opportunities for the minority higher education community are disseminated on the FEDIX system via the World Wide Web and email.

Increases in system usage during the reporting period indicate that MOLIS is providing a valuable service that is successfully attracting a significant user base. From September 1996 to April 1997, the total number of file requests from the MOLIS Web site was more than 1.5M. During the same period, the average monthly number of unique Web sites accessing MOLIS was 17,159.
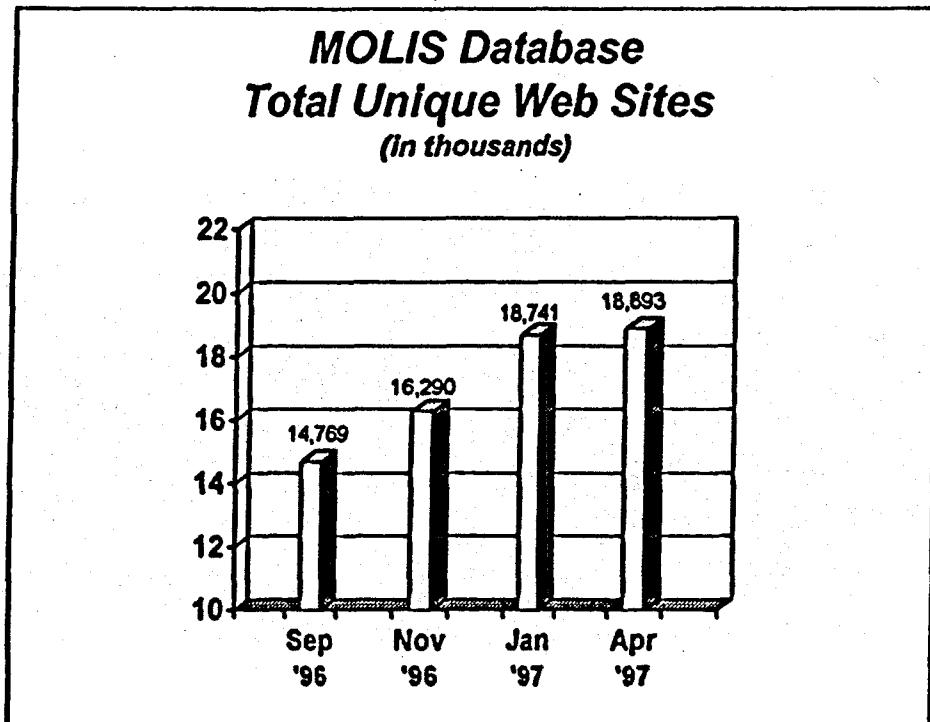
MOLIS Database
Total Unique Web Sites
(in thousands)

Month	Value
Sep '96	14,769
Nov '96	16,290
Jan '97	18,741
Apr '97	18,893

MOLIS Database
Total Requests
(in thousands)

Chart showing Total Requests (in thousands): Sep '96: 145,594; Nov '96: 170,466; Jan '97: 211,424; Apr '97: 209,323.
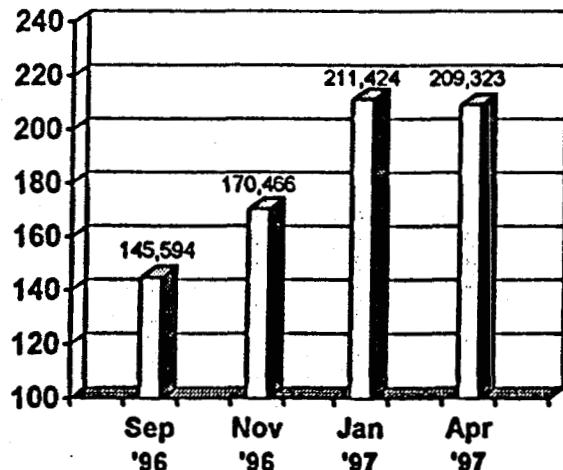
Monthly accesses to FEDIX/MOLIS by (users at) individual Web sites rose from approximately 58,000 in September to nearly 86,000 in April. The total number of documents (HTML files only) requested each month increased from approximately 150,000 to over 175,000 from September 1996 to April 1997. The average number of total (HTML and multi-media files) file requests per day grew from nearly 37,000 to just under 44,000 during the same period.

DoD Joins MOLIS and Expands the Partnership

In February, 1997, the *Department of Defense/Office of Small and Disadvantaged Business Utilization* (OSDBU) became a major MOLIS sponsor. OSDBU plans to use the MOLIS service to expand the participation of U.S. minority colleges and universities in DoD research, education, consulting and technical assistance opportunities.

The $400K provided by OSDBU will expand the number of participating schools by at least 50, for a total of 214 institutions, as well as enhance information collection for the current participating institutions. As of May 31, 1997, thirty-six minority institutions have requested participation in MOLIS, including:

Tribal Colleges and Universities (30):

Bay Mills Community College   Cheyenne River Community College
Blackfeet Community College   College of the Menominee Nation

3

Crownpoint Institute of Technology
D-Q University
Dull Knife Memorial College
Fond du Lac Tribal and Community College
Fort Belknap College
Fort Bethold Community College
Fort Peck Community College
Haskell Indian Nations University
Institute of American Indian Arts
Lac Courte Oreilles Ojibwa Community College
Leech Lake Tribal College
Little Big Horn College
Little Hoop Community College

Little Priest Tribal College
Navajo Community College
Nebraska Indian Community College
Northwest Indian College
Oglala Lakota College
Salish Kootenai College
Sinte Gleska University
Sisseton Wahpeton Community College
Sitting Bull College
Southwest Indian Polytechnic Institute
Stone Child College
Turtle Mountain Community College
United Tribes Technical College

Other Minority Institutions (6):
Denver Business College
Interactive College
El Centro College
Georgia Military College
Pasadena City College
Trinity College

In addition, DoD funding announcements from the *Commerce Business Daily* and *Federal Register* are collected, keycoded, posted on FEDIX, and distributed by the FEDIX Opportunity Alert! service to faculty members and administrators at minority institutions each day: *Defense Advanced Research Projects Agency; Ballistic Missile Defense Organization; Defense Commissary Agency; Defense Information Systems Agency; Defense Intelligence Agency; Defense Mapping Agency; Defense Special Weapons Agency; National Security Agency; DoD Dependents Schools; On-Site Inspection Agency; U.S. Special Operations Command; Uniformed Services University of the Health Services; Defense Logistics Agency; Army; Navy; Air Force.*

New Information Technology Provides New Benefits

FIE technical staff will apply state-of-the-art Microsoft® Active Server Pages scripting technology to MOLIS through the balance of FY 1997 and into FY 1998. Active Server Pages is a scripting environment that is used to create and run dynamic, interactive, high-performance Web server applications. Programs will run on the FIE server rather than on users' computers, so the quality of the Web browser looking at MOLIS and the computer running it will become less important. This feature is particularly beneficial to institutions with limited financial ability to pay for new computer equipment since they can stretch the lifespan of their existing equipment and still effectively compete with larger schools. Active Server Pages will provide MOLIS users with greatly enhanced functionality and flexibility, and the ability to personalize information delivery.

The first application of. Active Server Pages will be for a Web-based FAARS data collection module that will enable administrators and faculty at MOLIS institutions to maintain institutional and faculty profiles themselves. This will give the schools more control over updating their information while reducing the data maintenance/quality control burden for FIE. Active Server Pages scripting will also make it possible for users to build and execute a search on nearly any or all data fields that comprise the MOLIS database and then list the results in a variety of sort orders. The new search capability will give users greater flexibility in finding and extracting information from MOLIS. Both of these features will be implemented in the last quarter of the reporting period.

In addition, this new technology will provide greater efficiencies regarding in-house software development and overall information management. Each of the numerous individual databases that comprise the MOLIS service is being redesigned to enable cross-referencing between and among all of them. Users will be able to design and execute searches that will extract information from any and all relevant databases. In-house software development and maintenance will be greatly simplified and streamlined since every database will operate under a single software environment and new software code can be constructed quickly and easily from existing "building blocks" of pre-written code.

Improving Communication between Institutions and Federal Partners

A new communication process is under development that will enable regular, automated interaction between all MOLIS institutions and each participating federal partner. Using information provided by key points of contact within each institution (i.e. fax and telephone numbers, email addresses, and mailing addresses) in conjunction with specialized email and faxing software, FIE will provide participating federal agencies with the ability to communicate special announcements directly to hundreds of Minority Institution campuses at any time. Key offices within each institution, including the office of the president, research development office, sponsored programs office, and the public affairs office, will be accessible en masse by email and fax. The email/fax service will be available for use by the end of this reporting period.

Also during this reporting period, FIE doubled the number of links to participating MOLIS institutions' homepages for a total of 112 homepages, or 68% of the participating institutions. This effort supports a key MOLIS objective of promoting communication between the federal government and the minority higher education community and among the HBCUs/HSIs themselves.

Increasing Awareness and Participation in MOLIS

FIE staff utilized meetings, conferences, status updates, news releases and other vehicles to increase awareness and utilization of MOLIS, particularly by government and academic officials involved in sponsored programs administration. FIE staff presented and exhibited at

conferences, workshops, and meetings attended by research administrators, investigators, federal program managers, secondary school officials, foundation officers, corporate leaders, minority business owners, and pre-college teachers. For a comprehensive list of MOLIS outreach activities, please see Attachment (1)

Training, Technical Support and Data Collection

FIE staff provided MOLIS and FAARS users with on- and off-site technical training and support. The Hispanic Association of Colleges and Universities (HACU) concentrated training and support efforts on the 60 participating Hispanic-Serving Institutions while FIE staff focused primarily on training and assisting the 104 Historically Black Colleges and Universities on MOLIS. Methods of providing instruction and technical support are described below:

1. Technical support was provided by telephone for users with questions regarding the operation or content of the system. Technical assistance was available throughout the year during standard working hours.

2. Staff conducted technical training sessions at participating minority colleges and universities for administrators, faculty and students. Attendees were provided with a detailed presentation of the design, development and implementation activities of the project.

3. To assist participating MOLIS institutions with their grant/contracting tracking processing, FIE maintains the Faculty Application/Awards Reporting System (FAARS) for distribution to HBCUs and HSIs. The data collected at the institutions with the FAARS software was periodically uploaded to the MOLIS on-line system for all MOLIS users to access.

Often, obtaining updated institutional capability information required the trainer to collect data while conducting site visits, in addition to performing training duties. While the data collection process was time consuming, it yielded current and accurate information from many schools. In addition, for those institutions not visited during the reporting period, updated institution information was obtained from FAARS diskettes entered by the school, current college catalogs, and other secondary sources. See Attachment (2) for a list of institutional site visits for training and data collection.

ATTACHMENTS

(1)   MOLIS Outreach Activities - Meetings and Conferences, May 1996 -August 1997

(2)   Institutional Site Visits for Training and Data Collection, September 1996 - April 1997

(3)   "How our HSIs are Closing the Gap", article from *The Voice of Hispanic Higher Education*, Vol. 6, No. 5, May 1997. Published by HACU.   Copyrighted - DO NOT SCAN

MOLIS OUTREACH ACTIVITIES

MEETINGS AND CONFERENCES
May 1996 - August 1997

1996

May

* Presentation at the National Institute on Drug Abuse, NIH, Rockville, Maryland
* Exhibit at the Society of Research Administrators (SRA) Joint Southern/Northeast Meeting in Charleston, South Carolina
* Presentation at the DOD Thrust Program, sponsored by DOD and DISA, Tysons Corner, Virginia
* Exhibit at the Joint SRA/NCURA meeting in Dearborn, Michigan

June

* Exhibit and demonstration at the National Sponsored Program Administrator Alliance (NSPAA) meeting in Jackson, Mississippi

July

* Exhibit at the SRA conference, Preparing for Electronic Commerce, held in Boston, Mass.
* Exhibit at the National Grants Management Association (NGMA) meeting in Washington, DC

August

* Exhibit and presentation at the NCURA Conference, Ushering in a New ERA, Atlanta, Georgia
* Exhibit at the Blacks in Government Conference, Atlanta, Georgia

September

* Exhibit at the Congressional Black Caucus held in Washington, DC
* Exhibit and presentation at the National Institutes of Health Research Festival 1996

October

* Workshop and demonstration at the 1996 Annual Meeting of the Society of Research Administrators in Toronto, Ontario

- Attendance at DoD/USAID special Open Forum entitled "Information Technology and National Security".
- Meeting with officials from the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.
- Exhibit at Hispanic Association of Colleges and Universities (HACU) tenth annual meeting entitled "Hispanics in Higher Education: Re-engineering Vital Relationships with Government and Industry", held in Washington, DC.

November

- Exhibit at the 38th annual National Council of University Research Administrators (NCURA) meeting in Washington DC.
- Workshop in Atlanta, Georgia, at a meeting sponsored by the General Services Administration, Office of Enterprise Development, entitled "The Second Annual Workshop on HBCU Opportunities.
- Exhibit at the 124th American Public Health Association's (APHA) Annual Exposition in New York City.

December

- Presentation at the 30th Annual National Conference of the National Council for Resource Development (NRCD), Washington, DC.
- Demonstration at a small business conference held on December 4th in Phoenix, Arizona, sponsored by the Defense Logistics Agency/Defense Contract Management Command.
- Exhibit at the Hispanic Association of Colleges and Universities (HACU) conference held in Albuquerque, NM.
- Presentation at a conference hosted by the American Indian Higher Education Consortium (AIHEC) and the US Department of Agriculture (USDA) in Albuquerque, New Mexico.

1997

February

- Representation of FEDIX/MOLIS at a reception held at the United States Capitol celebrating the Executive Order on Tribal Colleges, and sponsored by the American Indian Higher Education Consortium.
- Exhibit at conference of the Research Association of Minority Professors (RAMP) in Houston, Texas.
- Demonstration at the Superfund Basic Research Conference in Chapel Hill, North Carolina.

March

* Demonstration at the 5th Annual Historically Black Colleges and Universities and Other Minority Institutions Program - Energy Research and Development Technology Transfer Symposium in Baton Rouge, Louisiana.
* Exhibit at the National Council of University Research Administrators second ERA Conference, ERA II: The Sequel, in Atlanta, Georgia.

April

* Exhibit at the Department of Transportation-sponsored 'Magic School Bus on The Mall' event in Washington, DC.
* Exhibit at the National Association for Equal Opportunity and Higher Education Conference held in Washington, DC.
* Workshop and demonstration at the Society of Research Administrators (SRA) Midwest Section Meeting in Minneapolis, Minnesota.
* Exhibit at National Council of University Research Administrators (NCURA) Spring Meeting held in New Orleans, Louisiana.
* Exhibit at Conference for HBCU's in Baton Rouge, LA, sponsored by Apple Computers.
* Exhibit at a symposium on Environmental Health and Toxicology Research held in New Orleans, LA, sponsored by the Minority Health Professions Foundation.

May

* Exhibit at the National Council of University Research Administrators (NCURA) Region VI Spring Meeting held in Kansas City, Missouri.
* Representation at the Society of Research Administrators (SRA) Western Section Meeting, Kaloa, Kauai, Hawaii.
* Exhibit at the National Council of University Research Administrators (NCURA) Region II Spring Meeting, "Towards 2000", Saratoga Springs, New York.
* Exhibit at the Society of Research Administrators (SRA) South Section Meeting, Clearwater, Florida.
* Exhibit at the National Council of University Research Administrators (NCURA) Regions VI & VII Joint Spring Meeting, Tucson, Arizona.
* Exhibit at the Brooks AFB Small Business Conference, San Antonio, Texas.
* Exhibit and demonstration at the Tenth Annual National Conference on Race and Ethnicity in American Higher Education, Orlando, Florida.

Meetings Scheduled To Date for
June - August

June

* SRA Northeast Section Meeting, Portland, Maine

* National Sponsored Program Administrator Alliance (NSPAA), Atlanta, Georgia
* National Property Management Association 1997 National Education Seminar, Reno, Nevada
* NASA's 12th *Man in Space* Symposium, Washington, DC
* American Society for Engineering Education (ASEE) Conference, Milwaukee, Wisconsin

July
* National Grants Management Association
* National Association for the Advancement of Colored People (NAACP) 88th Annual Convention, Pittsburgh, PA

August
* Blacks in Government (BIG) 19th Annual National Training Conference, Wash, DC
* NCURA Conference, "Re-Engineering of ERA", Palm Springs

Institutional Site Visits for Training and Data Collection

September 1996 to April 1997

Albuquerque T-VI A Community College
Barry University
Benedict College
Boricua College
Clark Atlanta University
Colegio Universitario del Este
Community College of Denver
Dillard University
Elizabeth City State University
Grambling State University
Howard University
Jackson State University
John Jay College of Criminal Justice NYC
Johnson C. Smith University
LaGuardia College of Aeronautics
MacCormac Junior College
Miles College
Morehouse College
Morehouse School of Medicine
Morris Brown College

New Mexico State University
North Carolina A&T State University
North Carolina Central University
Our Lady of the Lake University
Pueblo Community College
Saint Augustine's College
Shelton State College
Southern University at Shreveport
Southwest Texas Junior College
Spelman College
St. Augustine's College
St. Paul's College
St. Philips College
Stillman College
Tuskegee University
Universidad Central de Bayamon
Virginia Union University
Western New Mexico University
Winston-Salem State University

Projected Institutional Site Visits

May - August 1997

California State Uniersity, Fresno
California State University, Bakersfield
Hartnell College
Miami Dade Community College
New Mexico Highlands University
Our Lady of the Lake

St. Edward's University
Texas Southern University
University of New Mexico
University of Texas, El Paso
Wiley College

MINORITY ON-LINE INFORMATION SERVICE (MOLIS)

A Minority Research and Education Information Service

Annual Progress Report

September 1, 1997 - August 31, 1998

Department of Energy Grant No. DE-FG05-90ER75602

Submitted by:

John A. Rodman, President

29 May 1998

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Gaithersburg, MD 20878
301/975-0103

Introduction

This report documents the following major developments regarding the Minority Online Information Service (MOLIS) project during the period of September 1997 to August 1998:

- Supported growing on-line system for information dissemination
- Delivered announcements about opportunities to participating schools
- Included fifty new minority institutions in the database
- Implemented new information technology
- Completed extensive training and outreach activities.

On-line System Usage Continues Growth Pattern

Increases in overall system usage during the reporting period indicate that MOLIS is providing a valuable service that continues to attract a growing user base. The total number of file requests from the MOLIS Web site increased to nearly 2.4M for the period of September 1997 to April 1998, up from 1.5M for the same period last year. During the same period, the average monthly number of unique Web sites accessing MOLIS was 24,089, up from 17,159 for the same period last year. Accesses by individuals in government and education increased to 445,000 from 367,000 during the same period last year. The charts presented below show the growth in the various areas.

MOLIS Database
Total Requests
(In Thousands)

MOLIS Database
Total Unique Web Sites
(In Thousands)

Legend: FY97, FY98

X-axis: Sept, Oct, Nov, Dec, Jan, Feb, Mar, Apr
Y-axis: 0, 5000, 10000, 15000, 20000, 25000, 30000

Education
Total Requests

Legend: FY97, FY98

X-axis: Sept, Oct, Nov, Dec, Jan, Feb, Mar, Apr
Y-axis: 0, 10000, 20000, 30000, 40000, 50000, 60000, 70000
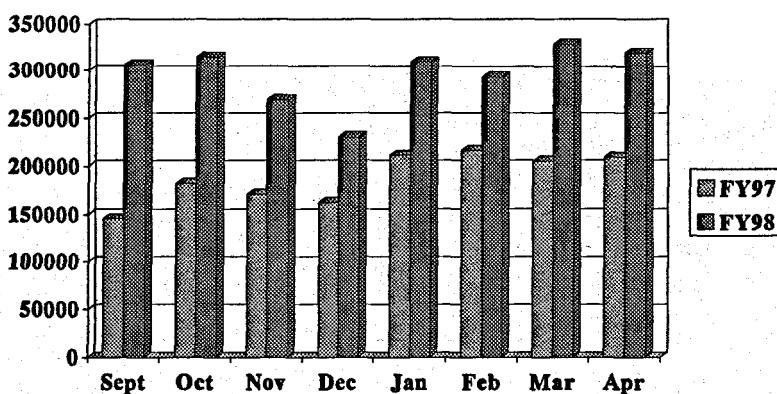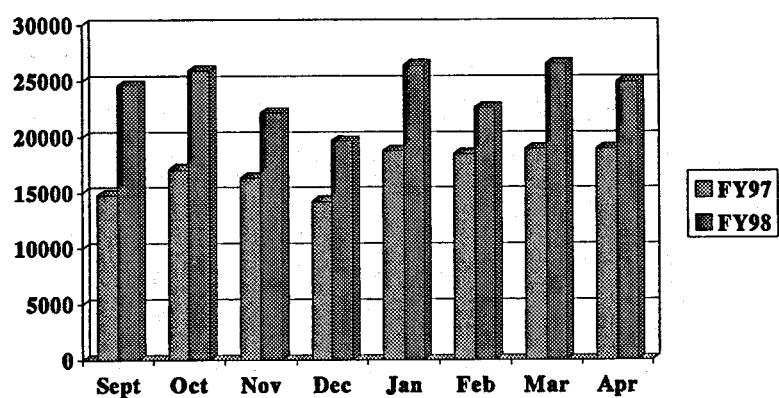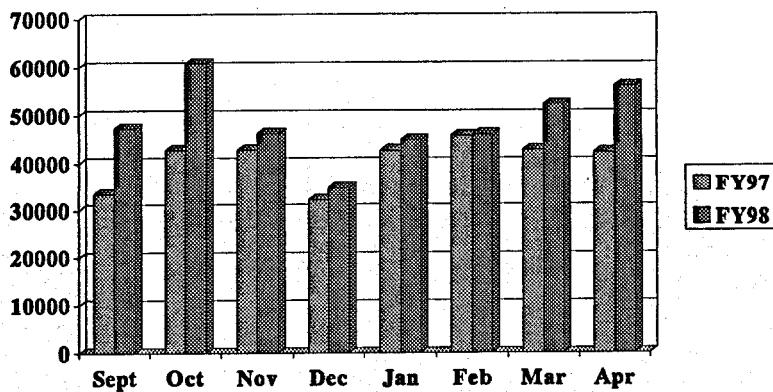
Government / Military
Total Requests
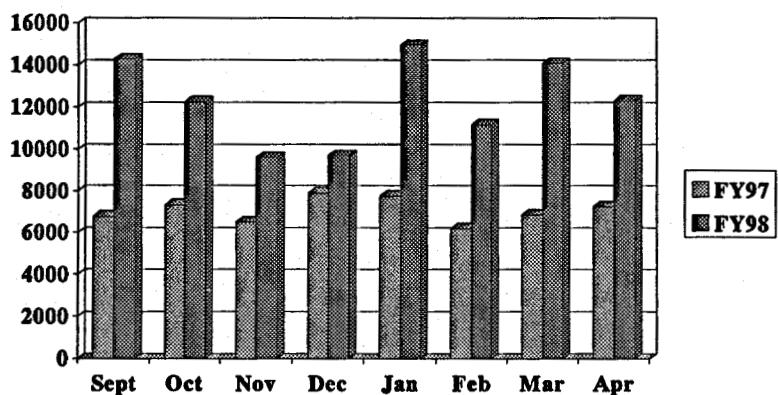
Delivered Announcements about Opportunities

One of the important aspects of the MOLIS project has been the effort to deliver announcements about funding opportunities to faculty and research staffs at the minority institutions.

Funding announcements by the participating agencies from the *Commerce Business Daily* and *Federal Register* were collected, keycoded, posted on FEDIX, and distributed by the *FEDIX Opportunity Alert!* service to faculty members and administrators at minority institutions each day. During the period of September 1997 and May 1998, the number of faculty registered in FOA at HBCUs, HSIs and Tribal Colleges more than doubled..

Expanded the Partnership to Include 50 New Schools

In February 1997, the *Department of Defense/Office of Small and Disadvantaged Business Utilization* (OSDBU) became a major MOLIS sponsor. There were a total of 50 Minority Institutions added as a result of DOD's participation in MOLIS. The 50 Minority Institutions consisted of:

> Hispanic Serving Institutions (1):
> Imperial Valley College
>
> Minority Institutions (11):
> Cedar Valley College
> Contra Costa College
> El Centro College
> Georgia Military College
> Merritt College
> Pasadena City College

Southeastern University
Southern Community College
Strayer College – Washington Campus
Trinity College
University of California, Riverside

Predominantly Black Colleges and Universities (8):
Atlanta Metropolitan College
Charles R. Drew University of Medicine & Science
Chicago State University
Compton Community College
Fiorello H. LaGuardia Community College
Medgar Evers College - CUNY
Sojourner-Douglass College
York College - CUNY

Tribal Colleges and Universities (30):
Bay Mills Community College
Blackfeet Community College
Cankdeska Cikana Community College
Cheyenne River Community College
College of the Menominee Nation
Crownpoint Institute of Technology
Dine College
D-Q University
Dull Knife Memorial College
Fond du Lac Tribal and Community College
Fort Belknap College
Fort Berthold Community College
Fort Peck Community College
Haskell Indian Nations University
Institute of American Indian Arts
Lac Courte Oreilles Ojibwa Community College
Leech Lake Tribal College
Little Big Horn College
Little Priest Tribal College
Nebraska Indian Community College
Northwest Indian College
Oglala Lakota College
Salish Kootenai College
Sinte Gleska University
Sisseton Wahpeton Community College
Sitting Bull College
Southwestern Indian Polytechnic Institute
Stone Child College
Turtle Mountain Community College
United Tribes Technical College

Implemented New Information Technology

FIE technical staff has applied new technology, such as Microsoft® Active Server Pages scripting technology, to MOLIS. Active Server Pages is a scripting environment that is used to create and run dynamic, interactive, high-performance Web server applications. These Active Server Pages provide MOLIS users with greatly enhanced functionality and flexibility.

This technology improvement also allows Web-based data collection and enables administrators and faculty at MOLIS institutions to maintain institutional and faculty profiles themselves. This gives the schools more control over updating their information while reducing the data maintenance/quality control burden for FIE.

Additionally, the staff is porting the MOLIS database technology to a new database engine that allows for easier data manipulation and improves the searches available on the on-line system. The new search capability will give users greater flexibility in finding and extracting information from MOLIS.

The result of these efforts is being prototyped" during the summer of 1998 and will be fully operational in the fall of 1998.

Completed Extensive Training and Outreach Activities

FIE staff utilized meetings, conferences, status updates, news releases and other vehicles to increase awareness and utilization of MOLIS, particularly by government and academic officials involved in sponsored programs administration. FIE staff presented and exhibited at conferences, workshops, and meetings attended by research administrators, investigators, federal program managers, secondary school officials, foundation officers, corporate leaders, minority business owners, and pre-college teachers. For a comprehensive list of MOLIS outreach activities, please See Attachment (1)

Training, Technical Support and Data Collection

FIE staff provided users with on- and off-site technical training and support. Methods of providing instruction and technical support are described below:

1. Technical support was provided by telephone for users with questions regarding the operation or content of the system. Technical assistance was available throughout the year during standard working hours.

2. Staff conducted technical training sessions at participating minority colleges and universities for administrators, faculty and students. Attendees were provided with a detailed presentation of the design, development and implementation activities of the project. Often, obtaining updated institutional capability information required the trainer to collect data while conducting site visits, in addition to performing training duties. While the data collection process was time consuming, it yielded current and accurate information from many schools. See Attachment (2) for a list of institutional site visits

for training and data collection.

3. Staff gathered data from a multitude of sources including catalogs, web sites, information services, direct contacts with the institutions, and other sources to update data on over 30 schools during this reporting period. A list of these schools is included in Attachment (3).[*]

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* Note: Federal Information Exchange, Inc. anticipates no unobligated funds will remain at the end of the current budget period.

ATTACHMENTS

(1) List of MOLIS Outreach Activities, Meetings and Conferences, May 1997 - August 1998

(2) List of Institutional Site Visits for Training and Data Collection, July 1997 - May 1998

(3) List of Minority Institutions Information Updates, September 1997 - April 1998

(4) Why MOLIS?, list of key benefits provided by MOLIS.

(5) An On-Line Toolbox for Funding Research at Primary Undergraduate Institutions, by Adam Waugh, Council on Undergraduate Research, September 1997.

(6) MOLIS Brochure

Attachment (1)

MOLIS OUTREACH ACTIVITIES

MEETINGS AND CONFERENCES
May 1997 - August 1998

1997

* National Council of University Research Administrators (NCURA) Region IV Spring Meeting held in Kansas City, Missouri, May 3-6.

* National Council of University Research Administrators (NCURA) Region II Spring Meeting entitled Towards 2000" held in Saratoga Springs, New York, May 4-6.

* Society of Research Administrators (SRA) South Section Meeting held in Clearwater, Florida, May 16-21.

* National Council of University Research Administrators (NCURA) Regions VI and VII Joint Spring Meeting, May 17-20, in Tucson, Arizona.

* Conference sponsored by the Small Business Office at Brooks Air Force Base in San Antonio, Texas, May 19 and 20.

* 10th Annual National Conference On Race And Ethnicity In American Higher Education, sponsored by the Southwest Center for Human Relations Studies, in Orlando, Florida, from May 28-June 2.

* Society of Research Administrators (SRA) Northeast Section Meeting held in Portland, Maine, June 1-4.

* National Sponsored Program Administrators Alliance of Historically Black Colleges and Universities' (NSPAA) Annual Meeting in Atlanta, Georgia, June 4-7.

* National Association for the Advancement of Colored People (NAACP) 88th Annual Convention in Pittsburgh, Pennsylvania, July 12-17.

* Blacks in Government (BIG) 19th Annual National Training Conference, Washington, D.C., August 18-23.

* Congressional Black Caucus 27th Annual Legislative Conference, Washington, D.C., September 10-13.

* Aerospace Industries Association (AIA) TRIAD Fall 1997 meeting held in conjunction with the National Native American Small Business Conference, San Diego, California, September 15.

* Exhibits during HBCU Week at various federal agencies (AID, USDA) and universities, September 22-26.

* Department of Defense (DoD) Conference for Directors of Sponsored Research Programs of HBCU Presidents, Army Research Lab in Maryland, September 23.

* 27th Annual National Black Child Development Institute Conference held in Atlanta, Georgia, October 1-4.

* Society of Research Administrators' (SRA) Annual Meeting held in Atlanta, Georgia, October 3-7.

* Conference for two-year HBCU's entitled Stepping into the 21st Century", at the Lewis College of Business in Detroit, Michigan.

* Educating One Third of a Nation VI: Diversity, Opportunity, and American Achievement", conference sponsored by the American Council On Education (ACE) and its Office of Minorities in Higher Education, in collaboration with the Association of American Colleges and Universities and The Ford Foundation's Campus Diversity Initiative, in Miami, Florida, October 16-18.

* 36th Annual Meeting of The Association Of Independent Research Institutes held in Seattle, Washington, October 22-24.

* 11th Annual Conference of the Hispanic Association of Colleges and Universities (HACU), Commitment to Change: Building the Academic, Technological and Cultural Affirmation Links to the Future" in San Antonio, Texas, October 25-28.

* College Fund/UNCF Infrastructure Development Assistance Program (IDAP) Second Annual Department of Defense workshop on October 27-28 in Charlotte, North Carolina.

* National Council of University Research Administrators (NCURA) 39th Annual Meeting, Washington, DC, November 9-13.

* National Council for Resource Development (NCRD) 31st Annual National Conference, Washington, DC, November 18-22.

* National Alliance of Black School Educators, Reno, Nevada, November 20-22.

1998

* Extra-Mural Associates Program at the National Institutes of Health (NIH), January 8th.

* DoD-sponsored TRIAD Regional Meeting in Orlando, Florida on January 20.

* The FEDS'98 Small Business Conference sponsored in part by DoD's Defense Contract Management Division, Atlanta, Georgia, January 26-28.

* The Winston-Salem Science and Technical Cluster Technical Assistance Workshop held on March 25-27 at Winston-Salem University, North Carolina.

* National Association for Equal Opportunity and Higher Education (NAFEO) Annual Meeting held in Washington, DC, April 16-19.

* U.S. Army Medical Research and Materiel Command Networking Conference II held i Reston, Virginia, April 24-25.

* Joint NCURA/SRA Spring Meeting, Columbus, Ohio, April 25-28.

* Small Business Industry Day at Bolling Air Force Base in DC on April 30th.

* National Council of University Research Administrators (NCURA) Region III Meeting, held in Charleston, SC, April 30-May 3rd

* Society of Research Administrators' (SRA) Northeast Section, Newport, Rhode Island, May 1-6.

* Society of Research Administrators' (SRA) Western Section, San Francisco, May 15-19.

* National Council of University Research Administrators (NCURA) Joint Spring Meeting for Region I (New England) and Region II (Mid Atlantic), May 17-20, at Providence, Rhode Island.

Upcoming Meetings

* National Sponsored Programs Administrative Alliance (NSPAA) 5th Annual Conference will be held at Virginia Beach on June 10-13.

Institutional Site Visits for Training and Data Collection

July 1997 - May 1998

During July 1997, two of our staff members visited a number of Tribal Colleges throughout Montana, Minnesota, Nebraska, South Dakota and North Dakota, gathering the latest school information/statistics as well as giving presentations on the FEDIX/MOLIS system. The schools visited were:

Oglala Lakota College	Nebraska Indian Community College
Cheyenne River Community College	Sinte Gleska University
Little Big Horn College	Sisseton Wahpeton Community College
Salish Kootenai College	United Tribes Technical College
Blackfeet Community College	Fort Berthold Community College
Stone Child College	Sitting Bull College
Fort Belknap College	Turtle Mountain Community College
Fort Peck Community College	Little Hoop Community College
Dull Knife Community College	Leech Lake Tribal College
Little Priest Tribal College	

By invitation from the Pontifical Catholic University of Puerto Rico in Ponce, FIE's Director of HBCU Information and Relations, Mr. Clarence Henry III, presented two MOLIS workshops on December 17 and 18.

Winston-Salem University, North Carolina, was host to the Winston-Salem Science and Technical Cluster Technical Assistance Workshop held on March 25-27 where MOLIS was exhibited and demonstrated.

Minority Institutions Information
Updated September 1997 – April 1998

Alabama A&M University
Bethune-Cookman College
California State University – Bakersfield
California State University – Los Angeles
Charles R. Drew University of Medicine and Science
College of Santa Fe
Community College of Denver
Del Mar College
Florida A&M University
Florida A&M University
Fort Berthold Community College
Howard University
Laredo Community College
Little Big Horn College
Miami-Dade Community College
Morehouse School of Medicine
Mount St. Mary's College
New Mexico Highlands University
Norfolk State University
Northern New Mexico Community College
Paul Quinn College
Pontifical Catholic University of Puerto Rico
Rio Hondo College
Santa Fe Community College
St. Augustine College
St. Philip's College
St. Phillips College
University of Arkansas at Pine Bluff
University of New Mexico – Main Campus
University of Texas - Pan American
University of Texas at San Antonio

MOLIS ON-LINE INFORMATION SERVICE

A Minority Research and Education Information Service

Annual Progress Report

September 1, 1995 - August 31, 1996

Department of Energy Grant No. DE-FG05-90ER75602

Submitted by:
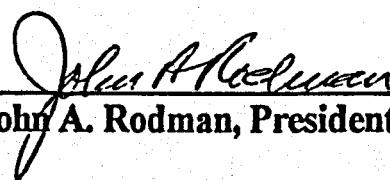
John A. Rodman, President

31 May 1996

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This progress report documents notable accomplishments for the MOLIS project during the reporting period of September 1995 to August 1996, supporting the aims of the original grant application which remain unchanged. It should be noted that outreach activities and updates of data are being hampered by the significant drop in funding for MOLIS. Though the approved FY96 budget was $820K, to date Federal Information Exchange (FIE) has received only $290K, with an additional $105K in process, and $200K pending from DOE.[1]

In spite of the lack of funding, FIE's significant accomplishments during the past year include: the renewal of the MOLIS grant for another five years, the upgrade of the MOLIS user interface, the addition of a faculty/degree/enrollment by major on-line search facility, the addition of HBCU World Wide Web URLs to MOLIS institution pages, the generation of a new MOLIS report used to track usage on the system, new participating agencies/offices, and attendance by FIE staff at minority meetings and conferences, and on-site outreach activities.

Statistical evidence of usage continues to indicate that these activities were successful in attracting a significant user base. For the month of April 1996, requests to FEDIX/MOLIS totaled 1,341,190 from approximately 56,503 unique user sites. These figures show significant increases from the beginning of the reporting period (September 1995) when 762,361 requests from 38,896 unique user sites were made.

Grant Renewal

As of September 1, 1995, the MOLIS grant was renewed by the Department of Energy. Extended another five years beyond the original research and development grant, MOLIS has succeeded in its mission of implementing on-line access to minority federal opportunities and minority institutional capabilities. Continuation of this project promises to extend that access to a wider audience as minority higher education institutions and federal government agencies gain greater access to the World Wide Web (WWW). Just as the Web has become the de facto standard for electronic information dissemination, FIE/MOLIS too has emerged as a leader in the delivery of minority higher education and federal funding information.

User Interface Upgrade

A new version of the MOLIS user interface was unveiled in April 1996. This new version represents a major improvement in the "look and feel" of many of the MOLIS Web pages and includes more attractive graphics, additional information links and improved navigation throughout the system. Benefits of this upgrade include a more attractive, easier to use system presenting a consistent look and feel across both FEDIX and MOLIS. In addition, the MOLIS User Guide was updated and made available on-line along with a new MOLIS Frequently Asked Questions (FAQ) page.

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[1] NOTE: Federal Information Exchange, Inc. anticipates no unobligated funds will remain at the end of the current budget period.

Faculty/Degree/Enrollment by Major Search

In December 1995, work was completed on a new majors search. This search allows users to generate a list of faculty, degrees awarded, or student enrollment according to search specifications provided by the user in a form-based query. Available in both within- and across-institution versions, the search allows users to specify the state, major, degree level, institution name (for the across agency version) and sort order for their search. The query results page lists those institution majors matching the search criteria as a set of links to the corresponding institution faculty/degree/enrollment detail page.

HBCU World Wide Web URLs in MOLIS

As of this writing, FIE has included 54 World Wide Web URLs to its MOLIS institution pages. In order to promote communication between the federal government and the minority higher education community, URLs to HBCU home page links were added for institutions that currently maintain them. This greatly increases interconnectivity not only between the federal government and the HBCUs, but also encourages communication between the HBCUs themselves. Given the widespread use of MOLIS within the minority education community as a one-stop-shop for HBCU-related information, the home page links tie those institutions even closer together. FIE plans to maintain and augment its collection of HBCU/HSI URLs as they become available.

MOLIS Data Base Statistical Report

As of April 1996, FIE is testing a new MOLIS data base-specific usage statistics report. This report, which will serve as a prototype for other subsequent reports in FEDIX, tracks the level of usage for various data categories (e.g. institution lists, general institution information, institution research centers) broken down by Internet hierarchy (e.g. com, edu, gov, etc.). This new report will provide valuable feedback as to the level and type of usage on MOLIS on a monthly basis for planning purposes.

New Participating Agencies/Offices

FIE has enlisted the participation of a number of agencies and offices during this reporting period. Some may be categorized as increased participation from existing FEDIX/MOLIS participants; others are entirely new to the FEDIX/MOLIS effort. They include: *Department of Transportation, Department of Veterans Affairs, Interagency Learning Technology Office, National Cancer Institute/NIH, National Institute of Dental Research/NIH, Office of the Chief Scientist of the Air Force.*

Increasing Awareness and Participation in MOLIS

FIE staff utilized meetings, conferences, status updates, news releases and other vehicles to increase awareness of MOLIS in order to expand the number of systems users and the level of participation by government and academic leaders. Efforts were undertaken to involve a broad

spectrum of education and government leaders in meetings including secondary school officials, foundation officers, corporate leaders, minority business owners, public school teachers, research administrators, researchers and other education professionals. In addition, key institutional personnel received MOLIS updates. These personnel included presidents/chancellors, librarians, placement officers and public affairs directors. For a comprehensive list of MOLIS outreach activities, please see attachment.

Training and Technical Support

FIE staff also offered technical support to assist users in learning how to use MOLIS effectively. Methods of providing instruction and technical support are described below:

1. Staff issued a new on-line version of the MOLIS User's Guide that incorporate functional changes to the on-line system. The User's Guide supplies new and potential users with information about the system's potential benefits.

2. Technical support was provided by telephone for users with questions regarding the operation or content of the system. Technical assistance was available throughout the year during standard working hours.

3. Staff conducted technical training sessions at participating minority colleges and universities for administrators, faculty and students. Attendees were provided with a detailed presentation of the design, development and implementation activities of the project.

4. To assist participating MOLIS institutions with their grant/contracting tracking processing, FIE maintains the Faculty Application/Awards Reporting System (FAARS) for distribution to HBCUs and HSIs. The data collected at the institutions with the FAARS software was periodically uploaded to the MOLIS on-line system for all MOLIS users to access.

Data Collection, Input, and Display for Institutions

The MOLIS grant provides for a full-time trainer who conducts on-campus MOLIS training at participating colleges and universities. However, because of funding setbacks, this person could only visit 18 colleges compared to 76 visited last year. Often, obtaining updated institutional capability information required the trainer to collect data while conducting site visits, in addition to performing training duties. While the data collection process was time consuming, it yielded current and accurate information from many schools. In addition, for those institutions not visited during the reporting period, updated institution information was obtained from current college catalogs and other secondary sources.

OUTREACH ACTIVITIES

MEETINGS AND CONFERENCES
September 1995 - August 1996

SEPTEMBER
* Discussion entitled "On-line Educational Resources: What's Available and How Accessible is it to Minority Communities?" was presented by Mr. Clarence Henry III in Washington, D.C. at the Quality Education for Minorities (QEM) Network
* Presentation at the Department of Veterans Affairs
* Presentation at St. Paul's College in Lawrenceville, Virginia
* Presentation and exhibit at the Congressional Black Caucus Foundation 25th Legislative Conference, Washington, D.C.
* Attendance at National Association for Equal Opportunity in Higher Education Workshop, in celebration of National Historically Black Colleges and Universities Week, Washington, D.C.
* Presentation and exhibit at events in observance of Historically Black Colleges and Universities Week sponsored by the U.S. Agency for International Development
* Presentation with Rene Gonzalez of HACU at the President's Advisory Commission and White House Initiative on Educational Excellence for Hispanic Americans, Washington, D.C.
* Presentation and exhibit at the HACU Ninth Annual Meeting, New York City, "Riding the Tidal Wave of Change: Implications for Hispanics".

OCTOBER
* Presentation and exhibition at the HACU (Hispanic Association of Colleges and Universities) Ninth Annual Meeting, "Riding the Tidal Wave of Change: Implications for Hispanics", New York.
* Presentation and exhibition at the Annual SRA (Society of Research Administrators) Meeting in Chicago, Illinois.
* Presentation and meeting at the Department of Veterans Affairs, Washington, D.C.
* Presentation and meeting at the National Institutes of Health.

NOVEMBER
* Meeting at the Office of the Vice President of the United States
* Presentation and exhibit at the NCURA (National Council of University Research Administrators) Annual Conference in Washington, D.C.
* FAARS Training at Florida A&M University and Alabama State University
* Presentation and exhibit at the National Council for Resource Development in Washington, D.C.

DECEMBER
* Presentation and exhibit at the National Council for Resource Development in Washington, D.C.
* Presentation at the Department of Health and Human Services
* Presentation to the Department of Defense at The Pentagon
* Presentation at the Environmental Protection Agency

1996

JANUARY
* Meeting and presentation at the United Negro College Fund, Virginia
* Presentation at Howard University's conference on Drug Abuse Research and Technical Assistance Project (DARTAP) held in Rockville, Maryland
* Presentation at ACE (Americans Communicating Electronically), Washington, DC
* Presentation and meeting at USAID
* Meeting and presentation at DOE

FEBRUARY
* Presentation at the Research Association of Minority Professors (RAMP) Conference held in New Orleans
* Presentation at NCURA, Sponsored Programs for Predominantly Undergraduate Colleges and Universities, Washington, D.C.
* Site visits and technical assistance provided to numerous HBCUs: Lawson State Community College in Birmingham, Alabama; and Spelman College, Morehouse School of Medicine and Morehouse College in Atlanta, Georgia.

MARCH
* Presentation at GSA, Washington, D.C.
* Presentation and exhibit at the United Negro College Fund Conference in Huntsville, Alabama. Thirty-eight member institutions participated in this event.
* Meeting/presentation with Ms. Martha Krebs, DOE, Washington, D.C.
* Participated in a workshop at Morehouse College attended by faculty and administrators from Morehouse College, Morehouse School of Medicine, Morris Brown College and Spelman College.
* Presentation and FAARS training at Spelman College, Morris Brown College and Virginia State University

APRIL
* Presentation/demonstration at the Fourth Annual HBCU/Private Sector - Energy Research and Development Technology Transfer Symposium, "Breaking Out of the Paradigm: Minority Institutions - Showcases of Excellence and Quality", cosponsored by DOE and North Carolina A&T State University, in Greensboro, North Carolina
* Presentation/exhibit at Society of Research Administrators (SRA) Western Section Conference, Lake Tahoe, California

* Presentation at the National Association For Equal Opportunity (NAFEO) Annual Meeting, Washington, D.C.
* Presentation/exhibit at NCURA, Region I, meeting in Portsmouth, NH
* Presentation and FAARS training at Winston-Salem State University

MAY
* Presentation and exhibit at SRA Joint Southern/Northeast Meeting in Charleston, South Carolina
* Presentation and exhibit at SRA/NCURA Joint meeting in Dearborn, Michigan
* Presentation and workshop at Voorhees College, Paine College, Claflin College, Allen University, and Sumpter College

PROPOSED:
JUNE - AUGUST
* Exhibit and presentation the National Sponsored Programs Administrators Alliance (NSPAA) Conference in Jackson, Mississippi, June 12-14.
* Visit and training at two HBCUs in Mississippi during month of June.
* Exhibit and presentation at the Blacks in Government Conference in Atlanta, Georgia, 25-30 August.

CUSTOMER AWARENESS

There are currently more than 400,000 sites/users accessing information on FEDIX/MOLIS.

The 1995 Oak Ridge Associated Universities survey ranked FEDIX/MOLIS as the number one on-line information service used by Research and Sponsored Program offices in colleges and universities (84%).

FEDIX/MOLIS is now ranked in the top 5% of all sites on the Internet by *Point Survey*, a leading on-line provider of site ratings and reviews on the World Wide Web.

During the month of April 1996 FEDIX/MOLIS averaged approximately 67,000 accesses per day.

FEDIX/MOLIS has an average of 65,000 unique individual user/site accesses per month.

FEDIX/MOLIS appears on the Senate Home Page, the House of Representatives Home Page, America On Line, Fed World, and in addition is referenced on over 2,000 gopher/web sites on the Internet.

FEDIX/MOLIS was cited in the Washington Post during 1995 as one of nine primary sources of Federal government on-line consumer information.

FEDIX/MOLIS was also cited in the Chronicle of Higher Education, NCURA Newsletter, HACU Newsletter and the NIH Record.

CITATIONS

In a recent survey of university Research Officers conducted by Oak Ridge Associated Universities (ORAU) it was found that "the most common on-line database used by research administration offices is FEDIX/MOLIS (84% of offices)".

FEDIX/MOLIS's on-line usage was twenty percent greater than the second and third most utilized databases (Commerce Business Daily and Federal Register, tied at 70% each). Other databases being accessed include SPIN (35%), Dialogue (33%), Best North America (28%), Medline (23%), Legi-Slate (19%), Lexis Nexis (16%) and IRIS (16%).

-Oak Ridge Associated Universities
Chief Resource Officers Survey, 8/4/95

"...An information service linking the higher education community and the federal government...providing comprehensive education and research-related agency information."

-The Washington Post, 9/1/94

"...Rated among the top 5% of all sites on the Internet..."
-Point Survey, 10/24/95

"Mr. John Rodman (President of Federal Information Exchange) is pleased that his company's six-year-old FEDIX/MOLIS service was the most popular in the Oak Ridge Survey. The site serves as a "one-stop-shop" for those who do not want to go to each separate Web page related to a federal agency, Mr. Rodman says. Users connect to the Web site's individual pages about 40,000 times a day..."

-The Chronicle of Higher Education, 10/27/95

"Still
The Second
Best Thing
About Payday"

The NIH Record

NIAID Pioneers Use of FEDIX/MOLIS

NIAID has joined the Department of Energy (DoE) and ten other government agencies to support an electronic bulletin board on the Internet known as FEDIX/MOLIS. This system expands NIAID's efforts to encourage and help undergraduate, graduate, and postdoctoral students pursue careers in biomedical research.

FEDIX/MOLIS, developed by the Federal Information Exchange, Inc., under contract to DoE, is a research and educational electronic outreach system. The FEDIX (Federal Information Exchange) portion of the system provides comprehensive information on federal agency opportunities (grants, contracts, fellowships, equipment, employment vacancies, etc.) to institutions of higher education nationwide.

MOLIS (Minority On-Line Information Service) is an information system that focuses specifically on historically Black colleges and universities (HBCUs) and Hispanic serving institutions (HSIs). Along with minority scholarship and fellowship information, MOLIS contains up-to-date data on institutional and research capabilities for each HBCU and HSI, including more than 20,000 faculty profiles. These profiles can be searched by academic specialty (biology, chemistry, virology, etc.) and include a list of papers published by the faculty member. Through MOLIS, NIAID staff can reach minority scientists who are at majority institutions.

FIE plans to add the 28 Native American schools to MOLIS in the near future.

On FEDIX/MOLIS, NIAID not only lists programs targeted to minorities but also gives information on the institute's mission, programs, scientific agenda as well as program contacts.

Dr. George W. Counts and Joyce H. Woodford, of the NIAID Office of Research on Minority and Women's Health (ORMWH), have demonstrated the systems NIH-wide before various executive and administrative groups. Counts, ORMWH director, comments, "The system affords us the ability to reach out not only to minority schools but also to majority schools, scientific organizations and institutions. This makes it an effective mechanism for exchanging information."

The institute envisions that the system will reduce the need to mail out notices of employment vacancies and grant and contract solicitations.

In addition, Counts says, "The database has the potential to assist scientific review administrators in locating qualified minority scientists for review panels. While we have been using minority reviewers for some time, identifying qualified individuals has been difficult with the limited means we currently have available to us. I see the FEDIX/MOLIS database as a tool to greatly increase the ease with which we can accomplish this and to expand the pool from which we can select potential reviewers."—Ann London □

THE FEDERAL PAGE

EXPLORING FEDERAL WEB SITES

By Barbara J. Saffir
Special to The Washington Post

So you don't know how to program a VCR, have never used a microwave oven and prefer tapes to compact discs. Forget about cyberspace—a place too daunting to even think about, let alone venture into. Right? Well ... get a grip.

Uncle Sam has.

"Federal agencies are doing a surprisingly agile job of jumping into this new technology," said Larry Brandt, a program manager at the National Science Foundation's Advanced Information Systems offices. In less than three years, Uncle Sam has launched 1,000 sites on the World Wide Web, the technology that has transformed the intimidating Internet into a more user-friendly medium. And the number continues to rise.

What the World Wide Web does is deliver Internet information in an easy-to-read, multimedia format and lets users breeze through sources of information—even on remote computer systems—with the click of a mouse. Revolutionizing the old plain-text world of the Internet in the way that television transformed the audio-only world of broadcasting, the Web pipes easy-to-get pictures, sounds and even video across the global Net.

You don't have to navigate the crowds to tour the White House anymore; just type the Web address or aim your "browser" at http://www.whitehouse.gov to view the ornate presidential mansion, listen to greetings from President Clinton and Vice President Gore (and even Socks), then move on to genuinely useful information provided by each Cabinet department.

To sample this brave new world you need a relatively powerful computer (a Macintosh or 486 IBM-compatible computer works best), a modem to connect to a commercial Internet provider, and a Web browser—software that translates seemingly indecipherable computer language into the Web's vibrant images and sounds.

Little wonder that the number of sites on the World Wide Web has skyrocketed from 100 to 30,000 in the last three years, with the government taking a prominent position on the information superhighway.

The only problem for many explorers is finding the needle of information they want in the huge haystack of data available. As the number of sites has increased, finding the information you want gets harder, and there is no up-to-date, complete guide to governmental Web sites. "It's almost like trying to get a handle on how many dandelions have sprouted up in your yard," said Robert Burge, of FedWorld, a government on-line service.

Some federal Web sites function better than others. A few hold vast repositories of stunning images and useful information, while others are hollow—simple bulletin boards that post agency press releases and use only rudimentary graphics.

"Last year it was [impressive] enough to have a [home] page," said David Lytel of the White House's Office of Science and Technology Policy. "Now it has to perform a function."

Though only a sprinkling of audio and video clips exist on government sites, and interaction—one of the Web's enticing features—is limited, many sites include e-mail and an elementary form of on-line searching. Most sites link users to an array of related sites, which often are more compelling than the parent site.

A new consortium of government "Web-masters"—those in charge of a site—is working to enhance the federal sites. Nearly 1,000 representatives from 40 federal organizations, including the 15 member agencies, gathered in Alexandria last month for their first intensive Web workshop, where they swapped information and brought each other up to date.

Executive branch agencies dominate the federal Web, but a House of Representatives site is also available, along with the Library of Congress's "Thomas" site, inaugurated this year by House Speaker Newt Gingrich (R-Ga.) in an effort to open up the legislative pipeline to ordinary citizens.

Two new books, "The Federal Internet Source" and "Washington OnLine: How to Access the Federal Government on the Internet," are good starting points for exploration—cataloging governmental home pages and other Internet sites.

This week The Federal Page will look at the major federal government Web sites, sample the sites of smaller agencies, list related private and governmental home pages and preview sites in the making.

Once you are on-line, the hyperlinked possibilities are virtually endless.

Staff writer John Schwartz contributed to this report.

STARTING POINTS

Books
- "The Federal Internet Source," produced jointly by the National Journal and NetWeek Inc.'s Internet Letter.
- "Washington OnLine: How to Access the Federal Government on the Internet," a Congressional Quarterly publication by Bruce Maxwell.

Web sites
Addresses that take you to Web sites about the government.
- The World Wide Web
  http://www.w3.org
- Fedworld
  http://www.fedworld.gov
- Yahoo's Website for Government Information
  http://beta.yahoo.com/Government
- Federal Information Exchange Inc.
  http://www.fie.com/www/us_gov.htm
- Cleveland State University College of Law
  http://www.law.csuohio.edu/usgov.html
- Trinity College/Connecticut
  http://www.trincoll.edu/pols/usgov.html
- University of Michigan Government & Law Clearing House
  http://www.lib.umich.edu/chhouse/evergov.html
- Villanova Center for Information Law and Policy
  http://www.law.vill.edu/fed-agency/fedwebloc.html
- Enterprise Integration Technologies
  http://www.eit.com/www/www.servers/government.html

The Journal of
Blacks in Higher Education

❑ Black Colleges Navigate
the Information Superhighway

Several black colleges and universities have established "on ramps" to the information superhighway. But it seems that very few African-American students have access to the software, skills, and financial resources necessary to access these resources and propel themselves into the technological fast lane to higher education.

According to the U.S. Census Bureau, 27 percent of white adults own a home computer compared to slightly less than 14 percent of blacks. As we have shown in past issues of JBHE,* this large technology gap has a severe impact on the ability of black students to prepare themselves for college and to navigate the often complicated credentializing requirements for university admissions.

There appears to be no reliable research on the comparative racial makeup of people who, through the use of a modem and telephone line, use their computers to access the nation's thousands of on-line services. Because of the added hardware and software costs plus additional required fees for on-line usage, it is reasonable to assume that the two-to-one advantage that whites hold in home computer ownership would likely prevail, or even be more severe, if

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* "Computers on Campus: The Black-White Technology Gap," JBHE, Number 1, Autumn 1993, p. 88; and "Will Blacks Be Detoured Off the Information Superhighway?" JBHE, Number 3, Spring 1994, p. 96.

we were able to examine the racial makeup of the user group with access to the Internet World Wide Web and other on-line services.

Despite this large technology gap, a number of historically black colleges and universities (HBCUs) have been quick to join the on-line revolution. Many HBCUs have established Web sites, which can be accessed from personal computers anywhere in the world. These sites often act as an electronic catalogue containing a wealth of academic and entrance information on the particular HBCU.

For example, Fisk University's Web site (http://www/fisk.edu) offers the standard catalogue features plus a map of the campus, a summary of department and degree programs, alumni listings, and a special Internet message from the president of the university, Henry Ponder. The Fisk Web site also contains detailed pages on special programs at the university including the NASA Center for Photonic Materials and Devices and the Howard Hughes Science Learning Center.

Howard University has the most extensive offerings on the World Wide Web (http://www.howard.edu). Each of 11 different colleges or schools at the university has its own Web site, as does the university library system. The Howard University School of Engineering has three sites of its own displaying information on the school's Computer Learning and Design Center, the systems and computer science department, and the chemical engineering department. Howard also has Web sites for its Center for the Study of Terrestrial and Extraterrestrial Atmospheres and the Computational Science and Engineering Research Center. Many of these sites at Howard are used not simply to attract potential students but also to inform other scholars of ongoing research at Howard University.

"No one has spoken to more school children than Jesse Jackson Sr. But no matter how many times he speaks, the children still need to be connected to the information superhighway."

— Congressman Jesse Jackson Sr.
The Washington Post, January 3, 1996

In addition to the Web sites established by individual HBCUs, there are independent database services that provide basic information of interest to prospective black college students. The Federal Information Exchange (molism @fedix.fie.com) offers information on all historically black

Selected Black Colleges Providing Student Application Information on the World Wide Web	
Institution	**World Wide Web Site**
Alabama A&M University	http://www.aamu.edu
Clark Atlanta University	http://www.cau.edu
Elizabeth City State University	http://sun1.ecsu.edu
Fayetteville State University	http://www.fsufay.edu
Fisk University	http://www/fisk.edu
Hampton University	http://www.cs.hmptonu.edu
Howard University	http://www.howard.edu
Johnson C. Smith University	http://www.jcsu.edu
Langston University	http://www.lunet.edu
Norfolk State University	http://cyclops.nsu.edu
North Carolina A&T University	http://www.ncat.edu
Prairie View A&M University	http://129.207.50.4/
Southern University	http://www.subr.edu
Spelman College	http://www.auc.edu

colleges and universities. The listings include much of the information contained in a standard college guidebook including statistics on enrollment, faculty rosters, housing availability, and financial data. Other Web sites contain valuable information for black students on sources of scholarship aid, grants, and research opportunities. For instance, The College Board's Web site (http://www.collegeboard.org) offers the FundFinder guide which contains information on more than 3,300 scholarships for college students.

All of the major on-line services including Prodigy, America Online, and CompuServe also feature sites dedicated to African-American culture and lifestyles. In addition, Prodigy offers College Board Online and CompuServe has Peterson's College Database, both of which offer generalized information on all colleges and universities, including black institutions.

Other Web sites of interest to black scholars include the Library of Congress African-American Mosaic (http://lcweb.loc.gov/v/exhibits/African.American/) and an on-line guide to the National Civil Rights Museum in Memphis (http://www.magibox.net/@ncrm).

No matter how extensive or valuable these information resources may be for college-bound African Americans, the impact of these services on the information superhighway will be severely reduced by the fact that prospective black students are less likely than white students to have access to the necessary computer network links at home or at school.

DOE F 4650.2
(10-91)
(All Other Editions Are Obsolete)

Department of Energy
Office of Energy Research (OER)
Face Page

OMB Control No.
1910-1400
(OMB Burden Disclosure
Statement on Back)

TITLE OF PROPOSED RESEARCH: _____
_____ A Minority Research and Education Information Service: Implementation of On-Line Access to _____
_____ Federal Opportunities and Minority Institutional Capabilities _____ *RENEWAL APPLICATION*

PLEASE TYPE THE FOLLOWING INFORMATION:

1. CATALOG OF FEDERAL DOMESTIC ASSISTANCE
  NUMBER: _____ 81.049 _____

2. CONGRESSIONAL DISTRICT:
  Applicant Organ's Dist.: _____ 6th _____
  Project Site's Dist.: _____ 6th _____

3. I.R.S. ENTITY IDENTIFICATION OR SOCIAL SECURITY NUMBER:
  _____ 52-1636242 _____

4. AREA OF RESEARCH OR ANNOUNCEMENT TITLE/NUMBER
  _ University and Science Education Programs _____

**5. HAS THIS RESEARCH PROPOSAL BEEN SUBMITTED TO
ANY OTHER FEDERAL AGENCY?** ☐ yes ☒ no
  PLEASE LIST_____
  _____

6. DOE/OER PROGRAM STAFF CONTACT (if known)
  _____ Dr. Larry Barker _____

7. TYPE OF APPLICATION: ☐ New ☐ Continuation
  ☐ Supplement ☒ Renewal ☐ Revision

**15. PRINCIPAL INVESTIGATOR/PROGRAM DIRECTOR
NAME, TITLE, ADDRESS AND PHONE NUMBER**

John A. Rodman
President
555 Quince Orchard Road, Suite 200
Gaithersburg, MD 20878

(301) 975-0103

8. ORGANIZATION TYPE: Local Government ☐
State Government ☐   Non-Profit ☐   Hospital ☐
Indian Tribal Government ☐   Individual ☐   Other ☐
Institution of Higher Education ☐   For-Profit ☒
(Small Business ☒   Disadvantaged Business ☐   8(a) ☐
Women-owned ☐)

9. CURRENT DOE AWARD NUMBER (IF APPLICABLE)
  DE-FG-05-90ER75602 _____

10. WILL THIS RESEARCH INVOLVE:
  10A. Human Subjects   no ☒   If yes, ☐
    Exemption No. _____ (or)
    IRB Approval Date _____
    Assurance of Compliance No. _____

  10B. Vertebrate Animals   no ☒   If yes, ☐
    IACUC Approval Date _____
    Animal Welfare Assurance No. _____

**11. AMOUNT REQUESTED FROM DOE FOR ENTIRE
PROJECT PERIOD $** __ 4,536,516 _____

12. DURATION OF ENTIRE PROJECT PERIOD
  11/28/1995   11/27/2000
  Mo/day/yr.   to   Mo/day/yr.

13. REQUESTED AWARD START DATE
  _____ 11/28/1995 _____ (Mo/day/yr.)

14. IS APPLICANT DELINQUENT ON ANY FEDERAL DEBT?
  ☐ Yes (if "Yes," attach an explanation)   ☒ No

**16. ORGANIZATION'S NAME, ADDRESS AND CERTIFYING
REPRESENTATIVE'S NAME, TITLE AND PHONE NUMBER**

Federal Information Exchange, Inc.
555 Quince Orchard Road, Suite 200
Gaithersburg, Maryland 20878

John A. Rodman, President

(301) 975-0103

**SIGNATURE OF PRINCIPAL INVESTIGATOR/
PROGRAM DIRECTOR** _John Rodman_ 5-1-95
  Date

**SIGNATURE OF ORGANIZATION'S CERTIFYING
REPRESENTATIVE** _John Rodman_ 5-1-95
  Date

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

11/28/1995 - 11/27/2000

ORGANIZATION					
Federal Information Exchange, Inc.				Budget Page No: _____	
PRINCIPAL INVESTIGATOR (PI)/PROJECT DIRECTOR (PD) Rodman				Requested Duration: 60.00 (Months)	

A. SENIOR PERSONNEL PI/PD Co Pis, Faculty and Other Senior Associates (List each separately with title, A.7. show number in bracket(s))	DOE Funded Person - mos			Funds Requested	Funds Granted
	CAL	ACAD	SUMR	by Applicant	
1. Rodman		13.50	4.50	272,999	
2. Mongan		13.50	4.50	196,491	
3.					
4.					
5.					
6. ( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. (2) TOTAL SENIOR PERSONNEL (1-6)		27.00	9.00	469,490	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. ( ) POST DOCTORAL ASSOCIATES					
2. (10) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	**.**			1,176,618	
3. ( ) GRADUATE STUDENTS					
4. ( ) UNDERGRADUATE STUDENTS					
5. (1) SECRETARIAL-CLERICAL				88,972	
6. ( ) OTHER					
TOTAL SALARIES AND WAGES (A + B)				1,735,080	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				694,033	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)				2,429,113	
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)				138,050	
2. FOREIGN					
TOTAL TRAVEL				138,050	
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS ( ) TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES				36,100	
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					
3. CONSULTANT SERVICES				27,550	
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER				357,000	
TOTAL OTHER DIRECT COSTS				420,650	
H. TOTAL DIRECT COSTS (A THROUGH G)				3,182,142	
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
TOTAL INDIRECT COSTS 45.33% of $2,987,813				1,354,374	
TOTAL DIRECT AND INDIRECT COSTS (H + I)				4,342,187	
J. Fee 8% SWB				194,329	
TOTAL COST OF PROJECT (J + K)				4,536,516	

MOLIS ON-LINE INFORMATION SERVICE

A Minority Research and Education Information Service:
Implementation of On-Line Access to Federal
Opportunities and Minority Institutional Capabilities

Renewal Application

Department of Energy Grant No. DE-FG05-90ER75602

May 1, 1995

Submitted by:

John A. Rodman, President
Federal Information Exchange, Inc.
555 Quince Orchard Road
Suite 200
Gaithersburg, MD 20878
301/975-0103

TABLE OF CONTENTS

INTRODUCTION

In 1988, the U.S. Department of Energy's (DOE) Industry/University Program Office -- directed by Rich Stephens -- commissioned a study to evaluate the quality of the agency's relationship with colleges and universities. The study showed that DOE was inadequately communicating with their customers in the higher education community. Only one of the twenty schools surveyed ranked DOE in the top five with regard to university relations. The study also revealed that DOE was viewed as a "closed organization", not making its funding opportunities readily available.

Today, Federal Information Exchange's FEDIX/MOLIS database provides comprehensive information on a wide range of federal agency programs and opportunities to the higher education community nationwide. With eleven federal agencies now partnering in the on-line service, along with approximately 478,400 server requests from approximately 59,800 Internet sites for the month of March 1995 alone, FEDIX/MOLIS has become the key entity in the U.S., bridging the research and educational programs information gap between government and academia.

Based on the early success of FEDIX, FIE developed the Minority On-Line Information Service (MOLIS) in 1990 and today it provides comprehensive research and institutional capabilities data, free-of-charge, on Historically Black Colleges and Universities (HBCUs) and Hispanic Serving Institutions (HSIs). The success of MOLIS is due to the real world value of its institutional data to government and industry and its opportunities data to minority campuses. Moreover, FIE is making a special effort to assist minority colleges and universities. Its trained staff visits minority campuses throughout the academic year to (a) train faculty, administrators and students to utilize its on-line system, and to (b) gather capabilities data.

Today, after five years of MOLIS service, DOE ranks among the top three federal agencies in providing information in a timely manner to colleges and universities. Moreover in the intervening years, ten other federal agencies have joined this information partnership facilitated by FIE and provide FIE's on-line system and are providing comprehensive programs/opportunities information for academia. With the level of system usage cited above, it is evident that FEDIX/MOLIS has become an extraordinary ongoing success for these eleven federal agencies.

BACKGROUND

Federal Information Exchange, Inc. (FIE) is a small business based in Gaithersburg, Maryland, that provides a range of information-related activities to the government, academic and private sectors. These include electronic information collection and dissemination, systems design, needs assessment and evaluation, and telecommunications support. FIE is today recognized as a major electronic resource linking the education community and the Federal government.

Based on the early success of FEDIX research and its application, and in support of the White House Initiative on HBCUs (Executive Order 12677), FIE received a second DOE five-year research grant to develop and pilot test a minority on-line information system, MOLIS, that would facilitate the exchange of information between federal agencies and the minority higher education community. The major objectives of the MOLIS project were twofold:

1. Broaden the participation of Historically Black Colleges and Universities (HBCUs) and Hispanic-Serving Institutions (HSIs) in federal research and education programs by making their institutional capabilities available on-line to federal administrators, and

2. Provide HBCUs and HSIs with easy on-line access to federal minority program information at no cost.

Since undertaking work for the MOLIS grant, FIE studied and implemented methodologies for enabling minority colleges and universities to effectively utilize MOLIS for communicating with the Federal government, including conducting on-campus training sessions for university administrators and staff. Now in its fifth year, MOLIS has had tremendous value to HBCUs and HSIs by alerting them to government opportunities and by communicating information about their capabilities to Federal sponsored programs offices. It has also been an important asset to federal agency personnel by providing them with on-line access to current and detailed information about the education, research, faculty, equipment and other capabilities of HBCUs and HSIs.

Based upon the successful results of the MOLIS research project, as well as the knowledge and skills of FIE's principals and staff with regard to developing electronic outreach communication systems, FIE is uniquely qualified to continue cooperation with DOE to significantly enhance its ability to serve stakeholders in the minority research and education community through MOLIS.

Since the fall of 1990, a total of eight federal agencies have participated in and provided additional funding for the MOLIS project, including:

- U.S. Agency for International Development
- Software Management Support Department/ Defense Information Systems Agency/Defense Automation Resources Information Center
- Department of Agriculture
- Department of Energy
- Department of Housing and Urban Development
- National Aeronautics and Space Administration
- National Science Foundation
- National Security Agency

JUSTIFICATION FOR CONTINUATION

The original purpose for developing and pilot testing MOLIS was to improve the ability to communicate with customers at minority colleges and universities in order to foster strong working relationships and to access institutional and faculty capability. For nearly five years under the MOLIS project, FIE has conducted research and implemented improvements to computer assisted communication methodologies between federal administrators responsible for allocating funds to support minority research and educational activities, and university administrators and faculty responsible for identifying funding sources and soliciting support. During that time, MOLIS has provided incentive for the minority education community to enhance and, in some cases, initiate development of their telecommunications infrastructure. Additionally, MOLIS has helped to ensure that the federal education assistance process is applied more equitably.

DOE COOPERATIVE ACTIVITIES: MINORITY EDUCATION COMMUNITY INVOLVEMENT

Further, the minority education community, because of increasing constraints on budgets and staffing levels, requires both greater and more efficient interaction with potential federal sponsors. MOLIS's searchable on-line database of current government-wide minority education and research opportunities provides a significantly more efficient method of identifying and winning federal funding that would otherwise not exist. MOLIS also provides government agencies with critical HBCU/HSI capability information so as to promote the funding of research at minority institutions. MOLIS streamlines communication between schools and their federal sponsors by making detailed information available in one location in a searchable format. This results in less time spent searching randomly through the daunting "maze" of federal opportunities and alerts the federal government to minority research capabilities. Furthermore, because schools using MOLIS have more information about specific federal opportunities, they are able to submit better targeted and more effective applications. Also, the experience developed with the pre-college program and the NII provides a natural framework to assist DOE in meeting its outreach mission to the public.

In summary, MOLIS has significantly improved the ability of minority colleges to identify and alert administrators, faculty, and students to federal opportunities, and for federal agencies to become aware of the wealth of minority institutional research capacity.

OBJECTIVES

FIE, cooperating closely with DOE, has identified four major research and implementation objectives that will re-engineer the way DOE interacts with its customers and stakeholders in the education community. They are:

1. To improve the currency and expand the scope of data on MOLIS.

2. To increase the number of participating minority institutions in order to provide comprehensive information to federal agencies regarding the capabilities of minority colleges and universities via a single telephone number or Internet address.

3. To increase the number of participating agencies in order to proactively supply comprehensive information about federal minority opportunities to minority colleges and universities.

4. To assist minority institutions implement appropriate hardware, software, and Internet connectivity that provides users and participating agencies with the most cost effective and efficient method of disseminating current information.

The methods by which these objectives will be accomplished are fully described in the next section.

PROJECT DESCRIPTION

The Minority On-Line Information Service (MOLIS) is designed to disseminate information regarding federal funding and resource opportunities for minorities and the capabilities of the minority higher education community. As designated in the Department of Energy (DOE) Grant No. DE-FG05-90ER75602, MOLIS is being developed and maintained by Federal Information Exchange, Inc.

MOLIS is an on-line information service through which federal officials can identify specific capabilities and resources at minority colleges and universities. These same minority institutions can also use MOLIS to identify opportunities provided by participating federal agencies. In addition, MOLIS can be used by minority institutions to identify and share resources and capabilities among themselves to achieve mutual goals.

Current support also exists for the principal investigator under the following DOE Cooperative Agreements:

- FEDIX On-Line Information Service, "Implementation of a Government-Wide On-Line Research and Educational Opportunity Initiative for the Education Community", Department of Energy Cooperative Agreement DE-FC05-89ER75527, 9/30/89-8/31/99.

- DOE-ER/University Electronic Research Administration Research Administration Project, Department of Energy Cooperative Agreement DE-FC02-92-ER35180, 8/1/94-7/31/96.

PROJECTED ACTIVITIES

A number of projected system development activities and support tasks have been targeted for completion during the upcoming project period.

1. Train DOE and other participating agencies' staff on use and value of MOLIS.

2. Expand the number of participating Hispanic-Serving Institutions and include the capability information of Native American schools.

3. Enhance user interface software to improve the display and operation of MOLIS at end user computers (i.e., stored searches, off-line message formatting, easier dial-up/connection/logon, color, mouse control, and graphics display).

4. Implement improved data management methodologies that will allow information to be processed quickly and accurately.

5. Implement proactive solicitations to targeted users via the Internet.

6. Expand current or add new categories of data to MOLIS, including student profiles, grants and contracts data, and scholarship and fellowship information.

7. Implement new client-server technology. This will require extensive reprogramming of MOLIS software but will ultimately result in faster and more flexible data retrieval capabilities for users, improved software and data maintenance, and more efficient software development.

8. Update the MOLIS User's Guide to reflect modifications to the operation or content of the on-line system.

9. Administer yearly MOLIS User Satisfaction Surveys and review the findings to identify necessary improvements or adjustments to the existing service.

10. Update and disseminate MOLIS support materials (i.e. the MOLIS User's Guide and FEDIX/MOLIS fact sheets).

11. Attend minority conferences and meetings, making presentations as well as exhibiting MOLIS.

12. FIE staff will continue to provide the following services:

   • Increase the number of agencies and institutions participating in MOLIS by conducting meetings with key government and institutional officials;

- Collect and upload minority research and education opportunities from participating agencies;

- Increase the number of users from minority colleges and universities utilizing the MOLIS database by conducting technical training sessions at Historically Black Colleges and Universities (HBCUs) and Hispanic-Serving Institutions (HSIs);

- Work with Hispanic Association of Colleges and Universities (HACU) and DOE to increase HSI awareness and use of FEDIX/MOLIS, and put all of the 128 HACU schools on-line;

- Provide data entry services;

- Collect and report detailed statistics on usage; and

- Provide grant/contract tracking software (FAARS) and increase training to HBCUs and HSIs on the use of FAARS software.

11. Assist minority colleges and universities to participate in the National Information Infrastructure.

12. Include in the MOLIS on-line system links to HBCU/HSI URLs (home pages) to bolster the MOLIS information and provide exposure for the institutions.

13. Cooperate with the White House Initiative on Educational Excellence for Hispanic Americans for broadening federal agency support for MOLIS.

14. Support the United Negro College Fund (UNCF) initiative in creating international programs at HBCUs/HSIs nationwide.

15. Install HBCU/HSI computer workstation hardware/software. Each year FIE will purchase and install in the sponsored programs offices of forty HBCUs/HSIs and other MIs, a 486 computer workstation containing word-processing and spreadsheet software. In addition, FIE will develop plans to provide connection to the Internet via a SLIP link. FIE will organize workshops to provide training on Internet capabilities. FIE will purchase, configure and test the equipment and ship it to the institution, coordinate the installation, and perform a follow-up visit within a few weeks to train staff and resolve problems. To assure continued operation, FIE will provide on-going administrative support to the sites via Internet or modem access.

16. Improve MOLIS data collection at HBCUs/HSIs by providing FAARS software and on-site training.

Any priority assigned to these tasks may change depending upon funding levels. Also, additional software development, hardware implementation, and data enhancements may be

required to accomplish as yet unidentified tasks incidental to the overall goal of providing easy and efficient information dissemination.

PROCEDURES

FIE and DOE will work closely with other participating agencies, the minority education community, and others to provide the highest level of communication. The sections below describe methods that FIE will use to ensure a productive collaboration among all stakeholders.

COOPERATING WITH DOE. FIE staff will meet regularly with the director and designated staff of DOE for strategic planning sessions to discuss implementation of all major initiatives during the proposed five year schedule of work. FIE and DOE staff, with input from DOE stakeholders, government officials, education representatives and other sources, will design and implement future enhancements to MOLIS. FIE will also provide DOE and other participating agencies with regular status reports of the project (see *Reporting Methods* below).

COOPERATING WITH OTHER FEDERAL AGENCIES. Because participation by agencies other than DOE will benefit both DOE and its stakeholders, FIE will ensure that they remain active participants. FIE staff will meet regularly with key agency personnel to discuss ways to improve electronic communication with their agency's customers and to report the status of the project. FIE, cooperating with DOE, will actively solicit participation from additional federal agencies that sponsor minority education and research to meet the major objective of providing "one-stop shopping" to customers and stakeholders for federal minority education information.

COOPERATING WITH THE MINORITY EDUCATION COMMUNITY. FIE will participate in meetings, conferences, and other events attended by members of the minority education community, so that FIE staff can demonstrate FEDIX/MOLIS and instruct new users on its utility. Also, these meetings will serve to keep FIE abreast of current and future developments within the minority education community to allow DOE to better serve its customers and stakeholders.

COLLECTING INFORMATION. FIE staff will coordinate with designated points-of-contact at DOE, other participating agencies and HBCUs/HSIs, to update information currently stored in FEDIX/MOLIS databases. Additionally, through regular interactions with government and minority education representatives, FIE will identify new sources of information that are valuable to federal stakeholders within the minority education community.

UTILIZING EFFICIENT TECHNOLOGY. Distribution of the information will be done utilizing current technology that is consistent with the overall project goals and with the National Information Infrastructure. Cooperating with DOE, FIE will identify and implement software and hardware enhancements throughout the proposed cooperative effort. Determining prudent future technological improvements to MOLIS will not be accomplished simply by implementing "cutting edge" technology for its own sake, but rather, FIE will conduct research to identify enhancements that will provide a technologically heterogeneous population of users with easy, efficient and free

access to government information, as well as government access to minority institution capabilities.

REPORTING METHODS. Working together, FIE will submit a detailed plan of work to DOE at the beginning of each year of the five-year cooperative agreement. FIE will also submit a yearly status report to DOE that will describe in detail cooperative work accomplished during the previous year. Monthly reports of significant accomplishments and usage statistics will be sent to each participating agency. Additionally, FIE will conduct an annual survey that will quantify the level of customer satisfaction regarding key system features and solicit input from customers regarding potential future enhancements. Results of the survey will be reported to DOE and other participating agencies.

PRECEDING WORK AND RELATED ACCOMPLISHMENTS[*]

Research efforts indicated that implementation of a pilot on-line system to make government education-related information more widely accessible to potential beneficiaries would improve DOE's interaction with its customers and stakeholders. DOE insisted that all system design and operating features be built upon three main tenets: (1) the system must not embody hardware or platform bias and thereby be accessible by most standard computer systems; (2) the software interface for the on-line system must be user friendly; and, (3) the information must be available at no cost to the public.

SYSTEM FEATURES. Consistent with the tenets described above, FIE designed and operates MOLIS to provide the following features:

- The MOLIS interface is built around a hypertext document system that requires no prior training or documentation to operate.

- FIE makes the system available to anyone using a computer or dumb terminal with a modem operating at 1200 to 14,400 baud, or any computer connected to the Internet.

- FEDIX/MOLIS provides government customers and stakeholders with free access to federal information and to the NII. FIE enables minority users to connect to the system without incurring telecommunications charges by making available a toll-free telephone line and by providing Internet access to the system. FIE also enables the public to view and download information without a fee.

- MOLIS provides capabilities of the minority higher education community, including HBCUs and HSIs.

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[*] *NOTE: Federal Information Exchange, Inc. anticipates no unobligated funds will remain at the end of the current project period.*

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- Both keyword and text searches can be executed by users.

- A voice helpline offers technical assistance to users during regular working hours.

- The system operates 24 hours a day, seven days a week.

INFORMATION ON FEDIX/MOLIS. A primary goal of the FIE staff has been to provide MOLIS users with the most current and complete information possible about federal minority research and educational opportunities as well as capability information of the minority higher education community. To date, data has been collected from eleven participating agencies, 104 HBCUs and 42 HSIs. So far, a database of over 148 minority research and education program descriptions has been compiled. Current minority funding announcements from the *Commerce Business Daily, Federal Register,* and other publications continue to be uploaded to the system daily. Other key categories of data that are updated and made available to MOLIS users include research equipment grants, federal research facilities, agency points-of-contact, and agency current events. The FEDIX/MOLIS system now contains approximately 7,900 records and/or files from which users can select program descriptions, funding announcements, minority institution capabilities and other important minority-related information.

MILESTONES. Since its inauguration, FIE staff have worked diligently to improve computer-assisted communication to the minority education community. Below are listed some of the major milestones of the FEDIX/MOLIS project:

- Eleven federal agencies have participated in FEDIX/MOLIS increasing both the amount of data collected and stored on the system and, consequently, system usage. As of April 1995, FIE staff have abstracted and assigned keywords to over 148 education and research programs. The system currently has 57 megabytes of institution capability alone, not counting minority funding opportunities under FEDIX.

- To accommodate heavy system usage, the number of data lines was expanded to four local and eight toll-free lines. A twenty-two toll-free line capacity was built into the system and modem capability now includes 9600 and 14,400 baud rate modems. The system permits 96 simultaneous accesses by Internet and dialup users.

- The system's data storage capacity and computing speed was enhanced by upgrading the original PC file server to a Netframe superserver with 32 megabytes of system memory and 1.5 gigabytes of disk capacity with three 25 MHz I/O channel processors which makes concurrent computing possible.

- Data storage capacity and computing speed was also enhanced by the addition of two Pentium-based Windows NT network servers, and a UNIX Server upgraded to 64MB of memory and 6GB disk space for on-line data.

- To keep abreast of technological advances with respect to the National Information Infrastructure, FIE has implemented a World Wide Web Server version of MOLIS including WAIS and (in the near future) SQL-based search capabilities.

- Internet access was achieved by establishing first a 56 kilobyte, then a T1 telecommunications line between FIE headquarters and DOE/Germantown. Internet users can gain access to the MOLIS system using Telnet, Gopher, e-mail, File Transfer Protocol and World Wide Web software.

- Outreach activities undertaken by FIE staff have been effective in attracting large numbers of minority university, pre-college, and government customers to the system. Total accesses to FEDIX/MOLIS during the last recorded month before this report was issued (March 1995), was approximately 478,400 server requests from approximately 59,800 Internet sites.

MAJOR ACCOMPLISHMENTS. Major accomplishments during the most recent year include the addition of two federal agencies to MOLIS, National Institutes of Health/National Institute of Allergy and Infectious Diseases (NIAID), and National Institutes of Health/National Institute of Environmental Health Services (NIEHS). The new databases provide users access to minority research , education and training programs.

Also during the reporting period, FIE launched the new World Wide Web (WW) server version of MOLIS available to all those who have access to WWW browsers such as Mosaic, Netscape and Lynx. Backward compatibility with the MOLIS BBS was maintained by instituting a local Lynx client for those accessing MOLIS via a dial-up connection. In addition, FIE finished a "beta" upgrade to its MOLIS WWW server utilizing SQL database technology which will improve search capabilities as well as data storage capacity.

Additionally, late during the reporting period, FIE signed a Memorandum of Understanding with the White House Initiative on Hispanic Education to promote MOLIS at Hispanic Serving Institutions (HSIs). This effort supplements the current cooperative effort with the Hispanic Association of Colleges and Universities (HACU) to improve visibility on HSI campuses and enhance data collection.

Listed below are the project accomplishments completed during the reporting period. Completed tasks are grouped by the specific goals determined by the MOLIS Advisory Panel, HBCU and HSI officials, and FIE staff.

Increasing Awareness of and Participation in MOLIS

FIE staff utilized meetings, conferences, status updates, news releases and other vehicles to increase the awareness of MOLIS in order to expand the number of system users and the level of participation by government and academic leaders. Statistical evidence of usage continues to indicate that these activities were successful in attracting a significant user base.

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For the monthly period ending March 30, 1995, total accesses to FEDIX/MOLIS was approximately 478,400 server requests from approximately 59,800 Internet sites.

To increase the number of MOLIS users and the participation of the federal and academic communities, the following activities were undertaken:

1. To expand the number of MOLIS users, FIE staff made presentations and demonstrated MOLIS at numerous regional and national conferences and meetings. Efforts were undertaken to involve a broad spectrum of education and government leaders in the meetings including secondary school officials, foundation officers, corporate leaders, minority business owners, public school teachers and others. Below is a list of meetings at which FIE staff demonstrated the use of the system and/or requested participation by attendees:

April 1994 --
FAA Aviation Congress, Norfolk, VA
Small Business Council Meeting, Birmingham, AL
National Council for University Research Administrators Region I Meeting,
    Philadelphia, PA
DOE Diversity Conference, Washington, DC
Central State University, Federal Procurement Conference, Wilberforce, OH
Department of Commerce/Hispanic Association of Colleges and Universities
    Regional Meeting, Albuquerque, NM

May 1994 --
National Council for University Research Administrators Meeting, San Juan, PR
Norfolk State University/DOE Successful Partnering with HBCUs Conference,
    Norfolk, VA

June 1994 --
Society of Research Administrators Meeting, Pittsburgh, PA
HBCU Research Administrators Meeting, Tuskegee, AL
National Grants Management Conference, Rockville, MD

July 1994 --
Department of Energy Diversity Conference, Washington, DC
Health Care Financing Administration meeting, Washington, DC

August 1994 --
Patuxent Naval Command/ONR Meeting, Patuxent River, MD

September 1994 --
Congressional Black Caucus Conference, Washington, DC
Department of Transportation/Lemoyne Owen Workshop for HBCUs

October 1994 --
Hispanic Association of Colleges and Universities Annual Meeting, CA
Society of Research Administrators International Conference, Seattle, WA
DOE/VA Partnership Conference, Houston, TX
Dept. of Transportation Exposition on the Mall, Washington, DC
San Bernardino Valley College District Board Meeting, San Bernardino, CA

November 1994 --
Nat'l Council for University Research Administrators Meeting, Washington, DC
Title III Conference, Washington, DC

December 1994 --
DOE Director's Meeting, Washington, DC

January 1995 --
First Annual Expanding Minority Opportunities Conference, Tempe, AZ
Federal Agencies EEO Offices meeting, Washington, DC

February, 1995 --
Quality Education for Minorities Network Annual Conference
Southern University Technical Associates Conference, Baton Rouge, LA
Association of University Technology Managers (AUTM) Meeting, Nashville, TN
Americans Communicating Electronically, Washington, DC

March 1995 --
National Association for Equal Opportunity and Higher Education Annual
Meeting, Washington, DC

April 1995 --
DOE/VA Technical Assistance Conference, Miami, FL
Central State University Minority Male Conference, Wilberforce, OH
Minority Health Council Meeting, Washington, DC

2. In order to maximize the number of persons aware of the MOLIS database at the
college and university level, in addition to regular communication with the campus
contact, key institutional personnel received MOLIS updates. These personnel included
the president or chancellor, librarian, placement officer and the public affairs director.

3. Also during the reporting period, several articles and advertisements promoting the
capabilities and benefits of MOLIS were released in the following publications:

Washington Post, September 1, 1994, "Government On-Line: Consumer Information."

Electronic Public Information Newsletter, August 12, 1994, "FEDIX/MOLIS Provides Federal Info to Colleges, and University."

HACU Newsletter, Vol 2, No. 2, April 1994, "HACU/MOLIS Project in High Gear; Rene A. Gonzalez New Trainer."

NCURA Newsletter, December 1994/January 1995, "Agencies Launch New Electronic Initiatives."

See Appendix E for copies of the articles listed above.

User Evaluation

In March 1995, a user survey was conducted by FIE staff. Using appropriate statistical techniques, surveys were mailed to a random sample of 350 individuals accessing the MOLIS service over the past two years. As of this writing, results are being returned by survey respondents. Analysis of the survey results will be used to guide future enhancements to MOLIS. Also see Appendix B for a sampling of MOLIS user comments from among the returned surveys.

Software and Hardware Development

FIE technical staff routinely restructures the hardware that supports and operates the MOLIS system for a variety of reasons including: expanding system capabilities, improving operating efficiency, enhancing ease of use, and upgrading to new technologies. During the reporting period, numerous changes to hardware were implemented by the technical staff.

Presented below is a list of software and hardware improvements made to the MOLIS system between April 1, 1994 and April 30, 1995.

1. _System Software Upgrades_

    a. In an effort to continually enhance system capability for MOLIS users, and to keep abreast of the swift technological changes brought about by the ascendancy of the Internet as the backbone of the National Information Infrastructure, FIE has converted MOLIS from a BBS-type application to a World Wide Web (WWW) server. As such, MOLIS data is currently WAIS searchable and available via such WWW browsers as Netscape, Mosaic and Lynx. To maintain backward compatibility with the MOLIS BBS, FIE has implemented a Lynx interface for our dial-up users.

b. Currently in beta test mode is an SQL-based MOLIS WWW server that will enhance data security and storage, as well as provide greater flexibility in design and implementation of MOLIS information searches.

c. A new FAARS module was developed to allow entry of MOLIS institution data. This provides FIE with a better means of entering and storing MOLIS institution data over the previous BBS-oriented data maintenance application.

2. *System Hardware Upgrades*

The FIE technical staff restructured the hardware that supports and operates the MOLIS system for a variety of reasons, including: expanding system capabilities, improving operating efficiency, enhancing ease of use, and upgrading to new technologies. During the reporting period, numerous changes to MOLIS-related hardware were implemented by the technical staff. Although most of the changes resulted in significant benefits to users and to FIE staff who maintain the system's data and operational capabilities, many were incremental improvements. In the interest of clarity and brevity, listed below are the most significant hardware-related system modifications implemented during the reporting period:

a. Upgraded the UNIX server memory capacity to 64MB.

b. Upgraded allowable disk space for the on-line systems to 6GB.

c. Added two WindowsNT network servers.

d. Upgraded 20 workstations to 486 machines as WindowsNT clients.

e. Acquired several 28,800 BPS modems for SLIP link connected remote MOLIS demonstrations.

f. Purchased 486 laptops for remote MOLIS demonstrations.

g. Upgraded phone service to include an internal voice mail system to better handle incoming MOLIS help line calls.

Training and Technical Support

The FIE staff offered technical support to assist users in learning how to use MOLIS effectively. Methods of providing instruction and technical support are described below:

1. The FIE staff issued a new version of the MOLIS User's Guide (September 1994) that incorporated functional changes to the on-line system. Over 1500 copies of the MOLIS User's Guide were distributed to new and existing users at meetings attended by FIE staff

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since September, 1994. The User's Guide supplies new and potential users with information about the system's potential benefits. See Appendix A for a copy of the latest (September 1994) MOLIS User's Guide.

2. Technical support was provided by telephone for users who had questions regarding the operation or content of the systems. Technical assistance was available throughout the year during standard working hours.

3. FIE staff conducted technical training sessions at participating minority colleges and universities for administrators, faculty and students. The meetings were arranged in cooperation with the campus liaison. The standard format for the campus visit included a general session comprising an overview of the purpose and history of the project, and an explanation of the need for involvement of the minority community in the activities of the MOLIS program. Attendees were provided with a detailed presentation of the design, development and implementation activities of the project. Following the group presentation to campus participants, FIE staff conducted individual sessions and demonstrations throughout the remainder of the day. On average thirty to forty faculty and administrators participated in the on-site training.

The campus site visits executed during the reporting period are listed below:

April 1994
Central State University

June 1994
University of the District of Columbia
Tuskegee University
Savannah State College
Elizabeth City State University
St. Augustine College, Chicago

August 1994
Alabama State University
Miles College
Lawson State Community College
Clark Atlanta University
Stillman College
Alabama A&M University
Oakwood College
Delaware State University
Texas A&M University, Corpus Christi
Texas A&M University, Kingsville
El Paso Community College
Palo Alto College
Inter-American University of UPR,
    San German Campus

September 1994
LeMoyne Owen College
Bluefield State College
West Virginia State College

October 1994
Shaw University
Drew Medical College
Compton Community College
Hampton University
Norfolk State University
Prairie View A&M University
Texas Southern University
Florida International University
East Los Angeles College
Rio Hondo College
San Bernadino Valley Community College
San Antonio College
University of New Mexico

November 1994
Southern University in New Orleans
Dillard University
Xavier University

(November, cont.)
Southern University A&M College
Grambling State University
Lehman College
Hostos Community College
University of Texas-Pan American
Santa Fe Community College
Incarnate Word College

December 1994
Jackson State University

January 1995
Hudson County Community College

February 1995
Pontifical Catholic University

March 1995
Cheyney State University
Lincoln University, Pennsylvania

April 1995
University of the Virgin Islands
Morgan State University
Central State University
Sul Ross State University
Florida International University
Florida Memorial College

4. To assist participating MOLIS institutions with their grant/contracting tracking processing, FIE designed and developed the Faculty Application/Awards Reporting System (FAARS) for distribution to HBCUs and HSIs. The software is composed of two key components: 1) Faculty Profile System, which maintains individual faculty profiles in order to better match personnel with funding opportunities; and, 2) Application/Awards Reporting System, which maintains grant/contract applications and tracks awarded grants and contracts. (See Appendix F for the FAARS Overview.) A copy of the FAARS software may be obtained through FIE upon request.) In addition, a new module, the Minority Institutional Data module, was added during 1994 to facilitate collection and entry of institution general information. The data collected at the institutions with the FAARS software will periodically be uploaded to the MOLIS on-line system for all MOLIS users to access.

To maximize effective use of the FAARS software, training sessions have been conducted on site at a number of HBCU campuses. Listed below are 46 institutions that received FAARS training between April 1994 and April 1995:

Johnson C. Smith University
Alabama State University
Texas Southern University
Langston University
Spelman College
Bowie State University
Savannah State College
Elizabeth City State University
Stillman College
Oakwood College
Alabama A & M University
Delaware State University
Bluefield State College
California State Univ. at Los Angeles
Texas A&M Kingsville

Shaw University
Norfolk State University
Chicago State University
Southern University, New Orleans
Xavier University
Grambling State University
Jackson State University
St. Paul's College
North Carolina State University
Cheyney University
Lincoln University
University of the Virgin Islands
Central State University
St. Augustine College
El Paso Community College

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Texas A&M Corpus Christi   Inter-American University,
Florida International University   San German Campus
Rio Hondo College   East Los Angeles College
San Bernardino Valley College   Palo Alto College
University of New Mexico   Herbert H. Lehman College
Hostos Community College   University of Texas Pan American
Santa Fe Community College   Hudson County Community College
Pontifical Catholic College   St. Mary's University
Sul Ross State University

Data Collection, Input, and Display For Institutions

The DOE grant provided for a full-time training position that would conduct on-campus MOLIS training at participating colleges and universities. Often, obtaining updated institutional capability information required the trainer to collect data while conducting site visits, in addition to performing training duties. While the data collection process was time consuming, it yielded current and accurate information from many schools.

Below are the major highlights regarding data collection for the MOLIS On-Line system that were undertaken during the reporting period.

1. Collected and input current data for 34 participating institutions to replace existing data with updated data or to add data where none existed. FIE staff solicited data from each of the participating colleges and universities by requesting required information be sent in hardcopy and also by sending computer disks to campus liaisons that would enable data to be gathered in the exact format necessary for upload to the on-line system.

Data categories for which new or updated data was input to the system during the reporting period included the following:

- Mission statement
- Pre-college programs
- Consortia arrangements
- Housing
- Emerging capabilities
- Research centers
- Enrollment
- Degrees awarded
- Faculty profiles
- Administrative personnel
- Financial information

2. FIE programming staff developed a new module (Minority Institutional Data) for the FAARS application which allows entry of MOLIS general institution information. This module was developed as part of the migration of MOLIS from a traditional BBS-like system to an Internet World Wide Web server.

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3. In a continuing effort to provide users with the most complete MOLIS institution capability information, FIE has broadened its data collection efforts to include such supplementary data sources as federal obligations to HBCUs/HSIs from NSF, institutional research information from various state education boards, as well as IPEDS data from the Department of Education (NCES).

4. Summer 1994 federal job information was added to the MOLIS database to provide educators, faculty, and students with current information on temporary summer jobs located in federal agencies and departments throughout the United States. The source of the information is the U.S. Office of Personnel Management.

PRESENT STATE OF ON-LINE INFORMATION REGARDING FEDERAL OPPORTUNITIES

In September 1993, Vice President Gore mandated the creation of a National Information Infrastructure (NII). Through such bodies as the Information Infrastructure Task Force (IITF) and the National Information Infrastructure Advisory Council (NIIAC), the Vice President has set into motion a revolution in the way information is disseminated on a national (and ultimately a world) scale.

The current manifestation of this information revolution and the backbone of the NII is the Internet, including the World Wide Web (WWW). Since the inception of the NII, the Internet has been growing at an unprecedented rate. Part of this growth includes the proliferation of WWW servers from within the federal government. The primary role (and one delineated in the *National Information Infrastructure: Agenda for Action*) of these government Web servers is to provide public access to federal government information, including funding opportunities.

FIE was founded on the theory that if the relationship between the federal government and U.S. colleges and universities, and particularly minority colleges and universities, could be strengthened, then the nation would benefit.

An on-line information service is the means by which FIE undertook to enhance the government-academic relationship. MOLIS, however, comprises a collection of services that, in toto, is unique. These services include:

1. *Maintain ongoing presence while representing interests of the federal government at minority colleges and universities.* FIE staff maintain a personal relationship with at least one representative from each participating HBCU or HSI. Through regular communication with each representative, FIE is able to stay abreast of staff changes, research facility implementation and other developments at minority schools that impact their ability to conduct research and educational students.

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2. *Conduct comprehensive information collection.* FIE collects and maintains a complete collection of research and education capability information for each of the 104 HBCU's and for an expanding list of HSI's. With the assistance of the Hispanic Association of Colleges and Universities, MOLIS will include coverage of all HSI's by the end of FY96.

3. *Provide universal access to on-line information.* FIE technical staff offer nearly universal computer access to all MOLIS data. Unlike most on-line systems that offer users access via either a dial-up (modem) connection or via the Internet, MOLIS can be accessed both by modem *and* through the Internet. For dial-up users, MOLIS is accessible through a toll-free telephone connection. Also, MOLIS is available for Internet users whose systems are compatible with all commonly available Internet software including Telnet, Gopher, FTP and World Wide Web browsers.

4. *Provide global search capability.* MOLIS offers its users a flexible and comprehensive search utility. All information for each school that is collected and stored in MOLIS databases can be searched and retrieved on demand. Additionally, pre-established lists of key information can be selected and viewed for quick and easy access to information.

5. *Provide standardized information collection and display.* Nearly all information collected for MOLIS is stored and presented in a standardized format that enables users to quickly locate key data within individual data records and across large data sets. Additionally, standardized units of information facilitate comparisons between like data.

6. *Provide the "one-stop shopping" advantage of multi-agency minority program coverage.* Besides the capability information collected from colleges and universities, FIE staff collect minority program information from eleven participating federal agencies. This provides a valuable resource to minority researchers and educators who would benefit from federal sponsorship of their work.

DESCRIPTION OF FACILITIES AND RESOURCES

FIE uses the following facilities and resources to operate FEDIX/MOLIS:

- Staff of experienced information specialists, sponsored programs specialists, software developers, and systems analysts.

- A Netframe superserver with 32 megabytes of system memory and 1.5 gigabytes of disk capacity (expandable to 49 gigabytes) with three 25 MHz I/O channel processors.

- Two Pentium/Windows NT network servers.

- Two UNIX workstations connected to the Internet with a T1 high capacity telecommunications line.

- A UNIX server upgraded to 64MB memory and 6GB of disk space for on-line data.

- An Annex serial port server with telecommunications lines connected to two 2400 baud modems, nine 9600 baud modems, and four 14,400 baud modems.

- Direct T1 connection to the Internet. This connect is 31 times as fast as the previous 56K connection.

- Twenty 486 microcomputers networked with Windows NT with Internet access to UNIX workstations using Transmission Control Protocol/Internet Protocol (TCP/IP) software.

- Six 486 laptop microcomputers for providing on-line demonstrations.

- Two PowerMac 8100 Macintosh microcomputers.

- An integrated workstation comprised of ten card PCs.

- Two 28,000 bps modems connected to SLIP links.

- A Structured Query Language (SQL) server for two UNIX workstations.

- A variety of software for data manipulation, system operation, system analysis and other specialized uses.

- An internal voice mail telephone system.

- A 6000 square foot office in Gaithersburg, Maryland.

CONCLUSION

The FEDIX/MOLIS on-line information retrieval system has been at the forefront of improving communication between the federal government and the education community since 1989. Since that time it has been a pioneer in the electronic delivery of government research and education opportunities to the minority education community.

By continuing to fund the FEDIX/MOLIS project, DOE will continue to re-engineer the process by which it communicates with its customers and stakeholders. Continuing support of the

FEDIX/MOLIS project will enable DOE and other participating agencies to maximize the public's investment in minority education and research. DOE sponsorship of FEDIX/MOLIS will also provide leadership to other agencies in support of minority education and research objectives. Continued support of and participation in FEDIX/MOLIS will enable federal agencies to offer better service to the minority higher education community by providing current and comprehensive sponsored programs information, by offering a higher degree of outreach to the minority education community, and by enabling participation in the National Information Infrastructure. Also, continued support will ensure that minority education institutions are provided Internet connectivity and exposure.

FIE is committed to the ideal and to the reality of making government information accessible to the public, and FEDIX/MOLIS is a proven means toward that end.

OUTREACH ACTIVITIES
January-December 1999

ScienceWise staff represented the participating agencies and communicated the benefits and advantages of MOLIS and FOA through workshops, exhibits and presentations at various meetings and conferences. These included:

- Presentation at The College Fund/UNCF Infrastructure Development Assistance Program, Department of Defense HBCU/MI Technical Assistance Conference, co-hosted by the University of the Incarnate Word, San Antonio, TX
- MOLIS workshop on Electronic Research Administration for a DOD-Sponsored conference, White Plains, NY
- Presentation at the Department of Transportation in Washington, D.C.
- Exhibit at the National Association for Equal Opportunity and Higher Education (NAFEO) Annual Meeting, Washington, D.C.
- Four Workshops held before the Chancellor, Deans and Administrators and Faculty and Research Administrators at the University of Puerto Rico in Mayaguez, Puerto Rico
- Society of Research Administrators meeting in Lake Geneva, Wisconsin
- The College Fund - Department of Defense sponsored Electronic Research Administration Seminar in Winston-Salem, North Carolina.
- HBCU Substance Abuse Conference sponsored by the National Institutes of Health (NIH) and the Substance Abuse and Mental Health Services Administration (SAMHSA) in Baltimore, Maryland
- DoD HBCU/MI Technical Assistance Conference, sponsored by The CollegeFund/UNCF and co-hosted by Northwest Indian College, Bellingham, WA.
- National Sponsored Programs Administrators Alliance of Historically Black Colleges and Universities, Inc. (NSPAA) 6th Annual Conference, "Preparing Sponsored Program Administrators for the New Millennium", hosted by Texas Southern University and Wiley College in Houston, Texas.
- National Association for Equal Opportunity and Higher Education (NAFEO) conference held in Hilton Head, South Carolina, for Presidents of Minority Institutions and corporate sponsors to discuss and establish NAFEO's short and long term goals in relation to Historically Black Colleges and Universities.
- MOLIS/FOA presentation to a group of research and grant administration fellows attending a program sponsored by HACU in Washington, DC
- Exhibit for minority fellows at the National Institute of Child Health Development in Rockville, MD
- Electronic Research Administration Workshop presented for the College Fund Infrastructure and Development Assistance Program in Atlanta, GA
- Presentation to a minority fellows peer review group at the National Institute of Allergy and Infectious Diseases, NIH, Rockville, MD
- Society of Research Administrators (SRA) Annual Meeting at the Adams Mark Hotel in Denver, CO
- MOLIS/FOA presentation to staff members of the Department of Transportation Office of Educational Partnerships, Washington, DC
- Hispanic Association of Colleges and Universities (HACU) 13th Annual Conference, "Championing Hispanic Success in Higher Education: Current Issues, Best Practices and Promising Initiatives", Hotel Intercontinental, Miami, FL
- ERA Workshop sponsored by DOD/The College Fund at Morehouse College in Atlanta, Georgia

MOLIS
Minority On-Line Information Service
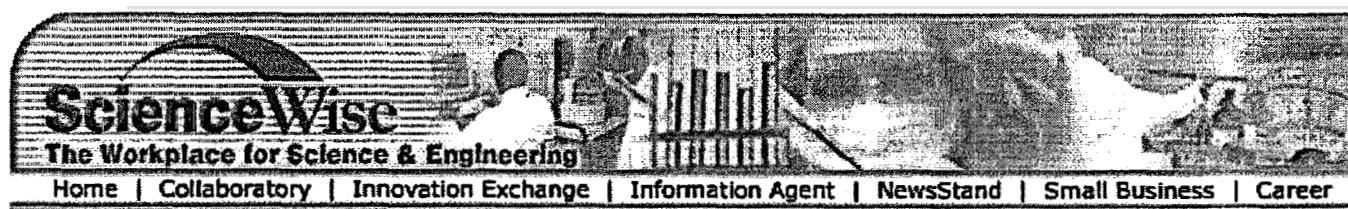
This is a list of All Minority Institutions on MOLIS, For All Ethnic Groups

Back to Molis   Back to Search

Alabama
- Alabama A&M University
- Alabama State University
- Bishop State Community College - Main Campus
- Concordia College
- Gadsden State Community College
- J. F. Drake State Technical College
- Lawson State Community College
- Miles College
- Oakwood College
- Selma University
- Shelton State Community College
- Stillman College
- Talladega College
- Trenholm State Technical College
- Tuskegee University

Arizona

- Arizona Western College
- Diné College
- Pima Community College
- South Mountain Community College

Arkansas

- Arkansas Baptist College
- Philander Smith College
- University of Arkansas at Pine Bluff

California

- Allan Hancock College
- Bakersfield College
- California State University, Bakersfield

- California State University, Fresno
- California State University, Los Angeles
- California State University, Northridge
- Charles R. Drew University of Medicine and Science
- Citrus College
- College of the Sequoias
- Compton Community College
- Contra Costa College
- Don Bosco Technical Institute
- D-Q University
- East Los Angeles College
- Fresno City College
- Fullerton College
- Gavilan College
- Hartnell College
- Imperial Valley College
- Los Angeles City College
- Los Angeles Harbor College
- Los Angeles Mission College
- Los Angeles Trade-Technical College
- Los Angeles Valley College
- Merritt College
- Mount St. Mary's College
- Mt. San Antonio College
- Oxnard College
- Pasadena City College
- Porterville College
- Reedley College
- Rio Hondo College
- San Bernardino Valley College
- Southwestern College
- University of California - Riverside
- University of LaVerne
- Ventura College
- Woodbury University

Colorado

- Community College of Denver
- Pueblo Community College
- Trinidad State Junior College

Delaware

- Delaware State University

District of Columbia

- Howard University
- Southeastern University

- Strayer University
- Trinity College
- University of the District of Columbia

Florida

- Barry University
- Bethune-Cookman College
- Edward Waters College
- Florida A&M University
- Florida International University
- Florida Memorial College
- Miami-Dade Community College
- St. Thomas University

Georgia

- Albany State University
- Atlanta Metropolitan College
- Clark Atlanta University
- Fort Valley State University
- Interdenominational Theological Center
- Morehouse College
- Morehouse School of Medicine
- Morris Brown College
- Paine College
- Savannah State University
- Spelman College

Illinois

- Chicago State University
- City Colleges of Chicago - Malcolm X College
- City Colleges of Chicago - Richard J. Daley College
- City Colleges of Chicago - Truman College
- City Colleges of Chicago - Wilbur Wright College
- St. Augustine College

Kansas

- Haskell Indian Nations University

Kentucky

- Kentucky State University

Louisiana

- Dillard University
- Grambling State University

- ~~Oklahoma State University~~
- Southern University and A&M College
- Southern University at New Orleans
- Southern University at Shreveport
- Xavier University of Louisiana

Maryland

- Bowie State University
- Coppin State College
- Morgan State University
- Sojourner-Douglass College
- University of Maryland - Eastern Shore

Michigan

- Bay Mills Community College
- Lewis College of Business

Minnesota

- Fond du Lac Tribal & Community College
- Leech Lake Tribal College

Mississippi

- Alcorn State University
- Coahoma Community College
- Hinds Community College
- Jackson State University
- Mary Holmes College
- Mississippi Valley State University
- Rust College
- Tougaloo College

Missouri

- Harris-Stowe State College
- Lincoln University - Missouri

Montana

- Blackfeet Community College
- Dull Knife Memorial College
- Fort Belknap College
- Fort Peck Community College
- Little Big Horn College
- Salish Kootenai College
- Stone Child College

Nebraska

- Little Priest Tribal College
- Nebraska Indian Community College

New Jersey

- Hudson County Community College

New Mexico

- Albuquerque Technical Vocational Institute
- Crownpoint Institute of Technology
- Eastern New Mexico University - Roswell
- Institute of American Indian Arts
- New Mexico Highlands University
- New Mexico State University - Main Campus
- Northern New Mexico Community College
- Santa Fe Community College
- Southwestern Indian Polytechnic Institute
- University of New Mexico - Main Campus
- University of New Mexico - Valencia Campus
- Western New Mexico University

New York

- Boricua College
- College of Aeronautics
- CUNY - Borough of Manhattan Community College
- CUNY - City College of New York
- CUNY - Hostos Community College
- CUNY - Hunter College
- CUNY - John Jay College of Criminal Justice
- CUNY - LaGuardia Community College
- CUNY - Lehman College
- CUNY - Medgar Evers College
- CUNY - York College
- Long Island University
- Mercy College

North Carolina

- Barber-Scotia College
- Bennett College
- Elizabeth City State University
- Fayetteville State University
- Johnson C. Smith University
- Livingstone College
- North Carolina A&T State University
- North Carolina Central University

- ~~North Carolina Central University~~
- Saint Augustine's College
- Shaw University
- Winston-Salem State University

North Dakota

- Cankdeska Cikana Community College
- Fort Berthold Community College
- Sitting Bull College
- Turtle Mountain Community College
- United Tribes Technical College

Ohio

- Central State University
- Wilberforce University

Oklahoma

- Langston University

Pennsylvania

- Cheyney University of Pennsylvania
- Lincoln University - Pennsylvania

Puerto Rico

- American University of Puerto Rico
- Inter American University of Puerto Rico - San German Campus
- Pontifical Catholic University of Puerto Rico
- Universidad del Turabo
- Universidad Metropolitana
- Universidad Politecnica de Puerto Rico
- University of Puerto Rico - Aguadilla Regional College
- University of Puerto Rico - Arecibo Technological University College
- University of Puerto Rico - Bayamón University College
- University of Puerto Rico - Cayey University College
- University of Puerto Rico - Humacao University College
- University of Puerto Rico - La Montana Regional College
- University of Puerto Rico - Mayaguez Campus
- University of Puerto Rico - Medical Sciences Campus
- University of Puerto Rico - Ponce Technical University College
- University of Puerto Rico - Rio Piedras Campus
- University of the Sacred Heart

South Carolina

- Allen University

- Benedict College
- Claflin College
- Clinton Junior College
- Denmark Technical College
- Morris College
- South Carolina State University
- Voorhees College

South Dakota

- Cheyenne River Community College
- Oglala Lakota College
- Sinte Gleska University
- Sisseton Wahpeton Community College

Tennessee

- Fisk University
- Knoxville College
- Lane College
- LeMoyne-Owen College
- Meharry Medical College
- Tennessee State University

Texas

- Cedar Valley College
- Coastal Bend College
- Del Mar College
- El Centro College
- El Paso Community College
- Huston-Tillotson College
- Jarvis Christian College
- Laredo Community College
- Mountain View College
- Odessa College
- Our Lady of the Lake University of San Antonio
- Palo Alto College
- Paul Quinn College
- Prairie View A&M University
- San Antonio College
- South Plains College
- Southwest Texas Junior College
- Southwestern Christian College
- St. Edward's University
- St. Mary's University of San Antonio
- St. Philip's College
- Sul Ross State University
- Texas A&M International University
- Texas A&M University - Corpus Christi

- Texas A&M University - Kingsville
- Texas College
- Texas Southern University
- Texas State Technical College - Harlingen
- University of Houston - Downtown
- University of Texas at Brownsville and Texas Southmost College
- University of Texas at El Paso
- University of Texas at San Antonio
- University of Texas-Pan American
- University of the Incarnate Word
- Wiley College

Virgin Islands

- University of the Virgin Islands

Virginia

- Hampton University
- Norfolk State University
- Saint Paul's College
- Virginia State University
- Virginia Union University

Washington

- Northwest Indian College

West Virginia

- Bluefield State College
- West Virginia State College

Wisconsin

- College of the Menominee Nation
- Lac Courte Oreilles Ojibwa Community College

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