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**A Minority Research & Education Information Service:
Design, Develop, Pilot Test, and Implement On-Line
Access for Historically Black Colleges and Universities
and Government Agencies**

Annual Status Report
9/27/92 — 9/27/93
~~April 1, 1992 — March 31, 1993~~

Department of Energy Grant Number DE-FGO5-90ER75602

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Submitted By:

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PREFACE

This status report describes the continuing development and maintenance of the Minority On-Line Information Service (MOLIS) project by Federal Information Exchange, Inc. (FIE) for the period of April 1, 1992 to March 31, 1993. Summary information detailing developments prior to this reporting period will also be included to establish a comprehensive perspective of the project.

In accordance with the objectives established in the Department of Energy research grant # DE-FGO5-90ER75602 entitled "Minority Research and Education Information Service: Design, Develop, Pilot Test and Implement On-Line Access for Historically Black Colleges and Universities (HBCUs) and Government Agencies" establishing the MOLIS project, Federal Information Exchange, Inc. undertook activities directed at (1) broadening the participation of minorities in federal research, education and employment programs via an on-line information service, and (2) providing on-line access to information about minority higher education institutions. FIE's Minority On-Line Information Service (MOLIS) provides information about minority colleges and universities. In addition, the company's original on-line system, FEDIX, has been modified in order to meet the MOLIS grant objective of disseminating information about federal minority opportunities.

Consequently, for the purposes of this report, the term "MOLIS" refers to all activities, software, hardware and data involving either the MOLIS or FEDIX on-line systems that contribute to the dissemination of information about minority colleges and universities and federal minority opportunities.

INTRODUCTION

The goal of the MOLIS project was to develop, design, and pilot test on-line access to current information on minority colleges and universities as well as federal minority opportunities. Federal Information Exchange, Inc. (FIE), a diversified information services company recognized by researchers and educators as a leader in the field of information delivery services, was awarded a 5 year small business research grant to develop and implement MOLIS. Since going on-line on April 29, 1991, MOLIS has provided current information on 138 Black and Hispanic colleges and universities -- including faculty and student profiles, financial data, research centers and equipment information, pre-college and education programs, emerging capabilities, enrollment data, administrative personnel data, and current events -- as well as minority opportunities from participating federal agencies. Six federal agencies are currently participating in MOLIS, including:

- o Agency for International Development
- o Department of Commerce
- o Department of Energy
- o Department of Housing and Urban Development
- o National Aeronautics and Space Administration
- o National Science Foundation.

During the 12 month reporting period, over 11,000 individual users have accessed information from MOLIS regarding federal minority opportunities and minority institutional capabilities. In the same time period, an estimated 30,000 calls to access federal and higher education minority data were reported. The success of this project, as evidenced by these and other data, are due to the significant progress in establishing MOLIS as the primary information link between the government and the higher education community regarding the capabilities of minority institutions. This report provides a summary of accomplishments based on the objectives listed in the Department of Energy research grant.

BACKGROUND

In 1989, the White House Initiative on Historically Black Colleges and Universities (WHI/HBCUs), in coordination with the Department of Energy, Office of University and Science Education Programs (DOE/USEP) and other federal agencies, directed FIE to explore the feasibility of developing an on-line information service that would facilitate the exchange of information between government agencies and minority colleges and universities. The objective of improving the process for exchanging information between the government and the education community is to increase the participation of minority institutions in federal opportunities.

In October 1989, FIE submitted a five year research grant proposal entitled "A Minority Research and Education Information Service: Design, Develop, Pilot Test and Implement On-Line Access for HBCUs and Government Agencies". In August 1990, the grant application was approved by DOE, and in the following month, with initial funding from the Department of Commerce, Minority Business Development Agency (DOC/MBDA), a pilot project was initiated. At the recommendation of federal leaders, selected Hispanic-Serving Institutions (HSIs) were also included as participants in the project. In addition, to provide guidance and increase institutional involvement in the project, an advisory panel was formed. The institutional and agency leaders who served on the MOLIS Advisory Panel during this reporting period are listed below:

MOLIS ADVISORY PANEL
Institutional Panel Members

Dr. Billie Black	Albany State College
Dr. Leonard Dawson	Voorhees College
Dr. Edward Fort	North Carolina A&T University
Dr. Ernest Holloway	Langston University
Dr. Fred Humphries	Florida A&M University
Dr. Diana Natalico	University of Texas at El Paso
Dr. Jose Saldana	University of Puerto Rico
Dr. Adib Shakir	Tougaloo College
Dr. Talbert Shaw	Shaw University
Dr. Harrison Wilson	Norfolk State University

Federal Panel Members

Dr. Larry Barker	Department of Energy
Dr. Roosevelt Calbert	National Science Foundation
Dr. Patricia Hampton	Department of Housing and Urban Development
Ron Isler	Department of Commerce
Dr. Samuel Massenberg	National Aeronautics and Space Administration
David Rakes	Agency for International Development

Design specifications of the new on-line system, determined by the MOLIS Advisory Panel, would become the framework around which the MOLIS pilot project would be developed. The pilot effort included twenty HBCUs, five HSIs and five federal agencies. MOLIS now carries information on 105 HBCUs, 33 HSIs and nine federal agencies.

ACCOMPLISHMENTS

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. Please note that FY 93 funding for MOLIS is 43% below the approved budget. While the funding shortfall has slowed progress in some areas, a significant amount of work has been accomplished towards achieving the objectives of the grant.

A. 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, described below, continues to indicate that these activities were successful in attracting a significant user base.

FIE collects information from individuals who access both MOLIS and FEDIX systems including name, address, organization, position, number of calls, etc. This information is used to gain insight into the usage of each on-line system with the objective of providing a better service to users. Usage information is summarized below and graphically represented in Appendix I. Please note, however, that statistical information about users who access minority information was taken from both systems, since the MOLIS service disseminates institutional minority information and the FEDIX service provides information about federal minority opportunities.

As of March 31, 1993, an estimated 15,710 individual users have accessed information regarding federal minority opportunities and minority institutional capabilities from both MOLIS and FEDIX. This represents an average monthly increase of 21% and a total increase of 231% since April 1992. Of the total number of individuals accessing minority information, approximately 5763 users have called the MOLIS system (exclusive of FEDIX) for institutional data and 9947 users accessed the FEDIX system (exclusive of MOLIS) for federal minority opportunities. In March 1993 alone, an estimated 3845 calls to access federal and minority institutional data were reported. As more people become aware of MOLIS and its value, the number of new users and calls increases significantly.

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, religious leaders, minority business owners, public school teachers and others.
2. Meetings were convened to bring together participating federal representatives and administrators and faculty members from participating MOLIS schools. The session provided an opportunity for the academic and federal participants in the project to exchange ideas regarding strategies for strengthening minority institution resources. Below is a list of meetings at which FIE staff demonstrated the use of the system and/or requested participation by attendees:

April 8 - 11, 1992 -
Society of Research Administrators
Southern Section Meeting
San Antonio, Texas

May 3 - 5, 1992 -
National Council of University Research Administrators
Regions I and II
Cambridge, Massachusetts

May 6 - 7, 1992 -
EPSCoR Meeting
Washington, DC.

May 21 - 22, 1992 -
National Grants Management Association
13th Annual Training Conference
Rosslyn, Virginia

June 6 - 10, 1992 -
Society of Research Administrators
Northeast Section Meeting
Baltimore, Maryland

June 24 - 25, 1992 -
Navy HBCU/Minority Training Conference
Pensacola Naval Training Center
Pensacola, Florida

September 6 - 12, 1992 -
HBCU Week
Washington, DC.

September 13 - 15, 1992 -
Minority University Space Interdisciplinary Network
Second Annual Conference, Goddard Space Flight Center
Greenbelt, Maryland

September 13 - 16, 1992 -
Society of Research Administrators
25th Annual Meeting
Orlando, Florida

September 27 - 29, 1992 -
Hispanic Association of Colleges and Universities
Sixth Annual Meeting
Washington, DC.

October 3 - 6, 1992 -
Minority Student Today
San Antonio, Texas

October 23, 1992 -
Project Learn Educators Conference
Wilkes Barre, Pennsylvania

October 28 - 31, 1992 -
EDUCOM '92 Conference
Baltimore, Maryland

November 8 - 11, 1992 -
National Council of University Research Administrators
34th Annual Meeting
Washington, DC.

November 19 - 21, 1992 -
2nd Annual National Conference on Aviation Magnet Schools
Phoenix, Arizona

November 30, 1992
Title III Conference
GW Marriott
Washington, DC.

December 1 - 3, 1992 -
Department of Energy, Annual Science Director's Meeting
Pentagon City, Virginia

December 9 - 10, 1992 -
North Carolina AT&T Nineteenth Annual
Extramural Funding Symposium
Greensboro, North Carolina

January 13 - 14, 1993 -
Department of Energy
National Laboratory Meeting
Oak Ridge, Tennessee.

January 15 - 17, 1993 -
Quality Education for Minorities
Washington, DC.

February 5 - 8, 1993 -
Opportunities for Louisiana: Department of Energy Math,
Science, and Technology Education and Research Programs
for HBCUs, Elementary, Middle and Secondary Schools.
Baton Rouge, LA.

February 11, 1993 -
Department of Commerce/MBDA Conference, Howard University,
Washington, DC.

February 17, 1993 -
Partners for Institutional Education and Training
Agency for International Development
Washington, DC.

February 28, 1993 -
Computers In Libraries, "Access to Government Information
Over the Internet" Conference
Washington, DC.

March 15, 1993 -
National Conference On Higher Education, Washington Hilton and
Towers, Washington, DC.

3. 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 regular MOLIS updates. These personnel included the president or chancellor, librarian, placement officer and the public affairs director.
4. Also during the reporting period, several articles and advertisements promoting the capabilities and benefits of MOLIS were released in the following publications:

Black Enterprise, January 1992, "Affirmative Action Watch - Helping Colleges Compete."

Homecoming, The Historically Black College Alumni and Campus Newspaper, Spring 1992, "FEDIX/MOLIS Projects Link Black and Hispanic Institutions with Federal Agencies."

On-Line Access Magazine, Fall 1992, "Editors Choice: Databases."

The Whole Internet Catalog & User's Guide, September 1992, "Resources on Internet", page 296.

DOE This Month, U.S. Department of Energy, October 1992, "Historically Black Colleges, Universities Receiving Increased Support" and "Information Service Assists HBCU's Growing Role in DOE Research."

SRA News, Volumes, No. 1, No. 2, and No. 4, 1992.

See Appendix II for copies of the articles listed above.

B. User Evaluation

The DOE grant that established the MOLIS project specified that an independent survey analyst administer a user satisfaction survey to MOLIS users each year. In December 1992, the survey was conducted by Dr. Michael R. Dingerson, Associate Vice Chancellor for Research and Dean of the Graduate School of the University of Mississippi. Using appropriate statistical techniques, a stratified random sample was sent to 346 institutions accessing the MOLIS service.

One hundred eleven completed surveys were returned. Of the MOLIS users who responded, 32% were affiliated with a majority institution, 29% were affiliated with a minority college or university, 12% were associated with a pre-college institution, 7% were government employees, and 3% worked in private industry. To briefly summarize the results, the survey data revealed that the types of information ranked as most valuable to users included scholarships/fellowships, federal research and education programs, and current events. Also, on-site training on the use of MOLIS was almost universally considered helpful. It is apparent that nearly all critical data categories are being covered by the current database, since no more than two respondents agreed on what type of data should be added to MOLIS. The complete survey report is available in Appendix III.

C. Software and Hardware Development

During the time frame covering April 1992 to March 1993, a number of improvements to the MOLIS software were completed and may be characterized in three ways: user interface, internal functionality and required maintenance. Also, the 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, 1992 and March 30, 1993:

1. An enhancement to MOLIS that allows users to dial one telephone number to access all of FIE's on-line services was completed, which included acquiring T1 telephone line service to provide multi-user toll-free access to dial-up callers at a lower cost.
2. MOLIS was made more compatible for users connecting via a Sun Workstation.

3. Cabling was re-routed to computers holding MOLIS databases in order to increase operational reliability.
4. The internal functionality of MOLIS was improved for ease of maintenance. In addition, changes were made to increase the accuracy of collected user statistics.
5. Specific modifications in a number of areas in the MOLIS application code have resulted in a decrease in the number of manhours required to maintain the existing MOLIS program.
6. A Files System was added that allows users to upload and download key data files in a variety of formats including ASCII, compressed ASCII, WordPerfect and Ventura Desktop Publishing.
7. The communications portion of MOLIS was enhanced to allow users to dial in using 9600 baud modems, in addition to 1200 and 2400 baud modems.
8. The Faculty Profile facility was enhanced by adding two new data elements - the minority group to which a faculty member belongs and their country of origin.
9. The Announcements facility was modified to include announcements that display once only to the user. This improvement supplements the standard announcement facility which displays an announcement each time the user logs into the system until a pre-defined expiration date has been reached.
10. The Mail Message facility was made more user friendly by the addition of instructions on how to finish a mail message.
11. The Institution Profile menu was made data driven and therefore sensitive to the presence of data associated with a given institution. In other words, menu choices for a given school now only appear when data exists for those items.
12. The electronic file transfer process was modified to enable both dialup (modem) users and Internet users to select and transfer all files from the (UNIX-based) top level menu area.

D. 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 produced and disseminated the MOLIS User's Guide, FEDIX User's Guide, the FEDIX/MOLIS Brochure, the MOLIS Fact Sheet and the FIE Update (a quarterly newsletter) to assist users in accessing the system and to increase the level of awareness of the capabilities of the on-line system (see Appendices IV and V). During the reporting period, more than 8000 FEDIX guides and 5000 MOLIS guides were distributed to educators, researchers, students, federal representatives and others to help users effectively access minority institutional capability data. The latest version of the FEDIX User's Guide provides technical assistance on using the federal minority information module. The FIE Update was initiated during this reporting period to alert current and potential MOLIS users about the latest system enhancements. Three issues of the FIE Update were released during the reporting period.
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 names of the 41 institutions and the approximate dates of the campus site visits executed during the reporting period are listed below:

Institution	Date	Institution	Date
Alcorn State College	09/04/92	South Carolina State University	08/17/92
American University of Puerto Rico	04/01/92	Southern University in Baton Rouge	02/13/93
Barber-Scotia College	04/21/92	Southern University in Shreveport	04/23/92
Catholic University of Puerto Rico	03/30/92	St. Mary's University of San Antonio	04/05/92
Cheyney State University	09/04/92	St. Paul's College	04/14/92
Clafflin College	04/23/92	St. Philip's College	04/07/92
Clark Atlanta University	02/05/93	St. Thomas University	03/27/93
Florida International University	03/21/93	Texas Southern University	04/01/92
Florida Memorial College	03/26/93	Universidad Del Turabo	04/01/92
Grambling State University	04/22/92	Universidad Metropolitana	04/02/92
Huston-Tillotson College	04/12/92	Universidad Politecnica de Puerto Rico	04/02/92
Jackson State University	02/17/93	Univ of Puerto Rico, Bayamon	04/03/93
Livingstone College	04/22/92	Univ of Puerto Rico, Rio Piedras	03/28/93
Morehouse School of Medicine	09/04/92	Univ of Puerto Rico, Mayaguez	03/29/93
New Mexico Highlands University	11/16/92	Univ of Texas at El Paso	04/02/93
North Carolina A&T State University	12/08/92	University of Texas-Pan American	04/03/93
Our Lady of the Lake	04/06/92	University of the Sacred Heart	03/30/92
Philander Smith College	04/22/92	Virginia Union University	04/15/92
Savannah State College	02/03/93	Western New Mexico University	11/16/92
Shorter College	04/21/92	Winston-Salem State University	04/20/92

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 VI for the FAARS Overview. A copy of the FAARS software can be obtained through FIE upon request.) 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, FIE invited representatives of schools participating in MOLIS to attend two-day training workshops in the Washington area. Officials from 22 institutions have been trained at sessions held in July and November 1992. Additionally, FAARS training sessions have been conducted on site at a number of HBCU campuses. The following is a list of 54 institutions that have received FAARS training during the reporting period:

Alcorn State University
American University of Puerto Rico
Benedict College
Bennett College
Bowie State University
Catholic University of Puerto Rico
Cheyney University
Cochise Community College
Coppin State College
Delaware State College
Florida A&M University
Florida International University
Florida Memorial College
Hinds Community College
Howard University
Inter American University of Puerto Rico
Jackson State University
Jarvis Christian College
Livingstone College
Mississippi Valley State University
Morehouse College
Morehouse School of Medicine
Morgan State University
Morris Brown College
North Carolina A&T University
Oakwood College
Savannah State College

South Carolina State University
Southern University, Baton Rouge
Spelman College
St. Thomas University
Tougaloo College
Universidad Del Turabo
Universidad Metropolitana
Universidad Polytechnica de Puerto Rico
University of Arkansas at Pine Bluff
University of Puerto Rico, Aguadilla Regional College
University of Puerto Rico, Arecibo Technol. Univ.
University of Puerto Rico, Bayamon Technical University
University of Puerto Rico, Carolina Regional College
University of Puerto Rico, Cayey University College
University of Puerto Rico, Central Administration
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 Science Campus
University of Puerto Rico, Ponce Technical University
University of Puerto Rico, Regional Colleges Admin.
University of Puerto Rico, Rio Piedras Campus
University of the District of Columbia
University of the Sacred Heart
Virginia State University
West Virginia State University
Xavier University

E. Collect, Input, and Display Data For Institutions

The DOE grant provided for a full-time training position that would conduct on-campus MOLIS trainings 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. Requests for data were also made by phone and written correspondence. While the data collection process was time consuming, it yielded current and accurate information from many of the schools.

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

1. Collected and inputted data for all 138 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:

- o Mission statement
 - o Pre-college programs
 - o Consortia arrangements
 - o Housing
 - o Emerging capabilities
 - o Research centers
 - o Enrollment
 - o Degrees awarded
 - o Faculty profiles
 - o Administrative personnel
 - o Financial information
2. FIE programming staff developed a data maintenance program for collecting information directly from the participating institutions. The program streamlines the data collection process by enabling each school to provide FIE with data in a format that requires little or no manual input. All data collected in this manner can be uploaded to MOLIS almost immediately upon receiving it from the schools. All schools were notified that such a program exists and approximately 112 schools requested a copy of the program.

3. Data regarding financial information for many of the participating schools was acquired from the Office of Educational Research and Improvement (OERI), U.S. Department of Education. Detailed information about each school's revenues, expenditures and other important financial information was loaded into the MOLIS financial database. Additional information may be sought from OERI, including data describing enrollment and completed degrees at HBCUs and HSIs.
4. Summer 1993 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.

See Appendix VII for copies of the MOLIS screens.

SUMMARY

Although there was a shortfall in the project's funding, major objectives this reporting period, have been completed. Accomplishments during this reporting period that were key to the continued success of MOLIS include 1) developing increased support for MOLIS among the federal government and the minority higher education communities, 2) increasing the number of MOLIS users, 3) enhancing the performance of the system through technical innovations and, 4) increasing the currency and quantity of data available on the system.

FIE expects to fully utilize the budgeted amount. No unexpected balance of unused funds is anticipated. Provisional Indirect Costs and Fringe Benefit rates have been used in preparing this Annual Status Report. FIE anticipates renegotiating these rates in the Fall of 1993.

APPENDIX I

USER STATISTICS

Total Minority Information Users*

April 1, 1992 through March 31, 1993

*Estimated users accessing minority information from MOLIS and FEDIX

FEDIX/MOLIS USAGE

Users
03/31/93

FEDIX/MOLIS USAGE

03/31/93

Monthly Calls to Access Minority Information*

April 1, 1992 through March 31, 1993

*Estimated calls to access minority information from MOLIS and FEDIX

Total Users of Minority Institution Database*

April 1, 1992 through March 31, 1993

*Users accessing minority information from MOLIS

APPENDIX II

ARTICLES AND ADVERTISEMENTS

AFFIRMATIVE-ACTION WATCH

HELPING COLLEGES COMPETE

Each year, historically black colleges and universities (HBCUs) compete for millions of dollars in research grants, procurement contracts and scholarship awards from federal government agencies. In the past, HBCUs have complained of the difficulties they face going up against larger majority institutions for these grants. The Federal Information Exchange Inc. (FIE) offers two computer systems to level the playing field in the grant wars.

The Federal Information Exchange (FEDIX) and the Minority On-Line Information Service (MOLIS) computer systems were born out of Executive Order 12677, which mandated a five-year, \$3 million small busi-

ness research grant to the Gaithersburg, Md.-based Federal Information Exchange Inc. The equipment and software to access the information systems are provided free to subscribing schools, which can then access the information for the cost of a telephone call.

The FEDIX system is a data base which provides information on 11 government agencies, such as the U.S. Department of Energy and the National Science Foundation. The system is intended to get information about grant opportunities to the educational institutions that

need it as quickly as possible.

The MOLIS database provides government agencies with a wealth of information on black and Hispanic colleges and universities. Current research capabilities, student population

listed. The system is a resource for agencies that previously said they never sought out HBCUs and Hispanic universities for contracts and grants because they knew little about them.

The MOLIS system is expected to have 107 HBCUs plus 38 Hispanic colleges and universities on-line by month's end. The FEDIX system hopes to add as many as 18 government agencies in the future. Director of customer services Patricia Deveaux expects grants and contracts for HBCUs to increase.

Jean Manning, vice president of academic affairs at Langston University, welcomed FEDIX and MOLIS because her 3,400-student black college in Langston, Okla., doesn't have the staff to research grant information year-round. "Many times, when black colleges receive information about opportunities, it was due yesterday," she says.

MOLIS and FEDIX have generally been received favorably. However, Samuel Myers, president of the National Association For Equal Opportunity in Higher Education (NAFEO), says, "It is important to have a computer system that centralizes contract and grant opportunities and information on HBCUs, but the system that is established should be in the control of the HBCUs. We don't want the government to determine what institution should be matched up with what resources."

John Rodman, FIE president, says fears are unfounded. "The information is available for use by NAFEO, the government, colleges and any other institution—nobody is controlling it... we are just a clearinghouse."

—Hamil R. Harris

Deveaux showcases FEDIX and MOLIS.

profiles, educational programs and future planned facilities are

HOME COMING

THE HISTORICALLY BLACK COLLEGE ALUMNI AND CAMPUS NEWSPAPER

Dr. Patricia DeVeaux

FEDIX/MOLIS Projects Link Black and Hispanic Institutions with Federal Agencies

GAITHERSBURG, Md. — One hundred forty Black and Hispanic colleges and universities are participating in two new programs designed to provide them with easy access to federal agency opportunity data and to, in turn, provide the agencies with the schools' capability data.

The two on-line databases, FEDIX (Federal Information Exchange) and MOLIS (Minority On-Line Information Service), have established an excellent reputation among the education and federal communities. The FEDIX database now has over 5500 users and has been in operation over three (3) years, while the MOLIS database went on line in April 1991. Both systems came about as the result of a White House Executive Order (#12677) that mandated a five year, \$3

million small business research grant to Federal Information Exchange Incorporated of Gaithersburg, Md. There are no fees or access charges for users. Funding for the database services has been provided by 11 participating federal agencies. An 800 number allows users to access the services with no cost.

FEDIX is described in its user guide as an "on line information service that links the education community and the federal government to facilitate research, education, and services. The system provides accurate and timely federal agency information to colleges, universities, and other research organizations."

The 11 federal agencies participating in FEDIX are the Department of Commerce, the Department of Educa-

tion, the Department of Energy, the Department of Housing and Urban Development (HUD), the Federal Aviation Administration (FAA), the National Aeronautics and Space Administration (NASA), the National Science Foundation, the National Security Agency, the U.S. Agency for International Development, the U.S. Navy, Office of Naval Research, and U.S. Air Force, Office of Scientific Research.

"Federal agencies are constantly looking for better ways to improve the competitiveness, equity, and quality of the grant/contracting process with institutions of higher education," according to Patricia DeVeaux, Director of Customer Services

continued

FEDIX/MOLIS FACT SHEET

What is FEDIX?

FEDIX is a dial up on-line service providing access to a collection of databases of Federal government research and education related information. The databases provide information on agency research opportunities, program contacts, scholarships, fellowships, and grants; available research equipment; procurement agencies from the Commerce Business Daily, Federal Register, and other sources; current events within participating agencies; and minority opportunities. An electronic mail feature is also provided for users to communicate with the system operators.

Data Lines:

(301) 258-0953 Washington Metro Area

(800) 251-FEDIX Minority Institutions

(800) 232-4870 All others

Helpline: (301) 978-0105

What is MOLIS?

MOLIS (Minority On-Line Information Service) supports the White House Initiative on Historically Black Colleges and Universities (HBCU) by providing opportunity information on HBCU and on Hispanic Serving Institutions (HSI). The database provides information on research centers, facilities, equipment, products, and information on programs, scholarships and fellowships, contracts, grants, technical services, and institutional capabilities, files, and administrative resources. Information available includes current and grant/contract activity.

Data Lines:

(301) 258-0953 Washington Metro Area

(800) 251-MOLIS Minority Institutions

Helpline:

(301) 978-0105

Who will benefit from FEDIX/MOLIS?

Federal Agencies	Associations
Colleges and Universities	Administrators
Pre-college Institutions	Research Administrators
Medical Schools	Researchers
Hospitals	Students
Media	Teachers
Libraries	Writers
Industry	Librarians
Faculty	

Who are the participating agencies?

Department of Energy
National Aeronautics and Space Administration
Office of Naval Research
Federal Aviation Administration
Department of Commerce
Department of Housing and Urban Development
National Science Foundation

How much does FEDIX/MOLIS cost to use?

There are no registration fees and no access charges.

What are the hours of operation?

FEDIX/MOLIS are available 24 hours a day, 7 days a week. The help line is available Monday through Friday, 8:30 a.m. to 4:30 p.m.

at Federal Information Exchange, Inc. "If federal agencies are to receive highly desirable applications in a timely fashion, current and accurate information about agency priorities, new programs, budgets, deadlines, policy making, and meetings must be made easily accessible to colleges, universities and other research organizations seeking to participate in these programs."

MOLIS is the pilot project of the White House Initiative on Historically Black Colleges and Universities (WHI/HBCUs). With MOLIS, not only will participating schools have access to information regarding Federal agency funding and resource opportunities, but the agencies will be able to obtain information regarding a school's research centers, facilities and equipment; pre-college programs; emerging capabilities; and enrollment, faculty and administrative personnel data.

"Closing the 'information gap' separating the Federal agency and HBCU communities has become a significant objective in the scope of work and mission of this office," according to Robert K. Goodwin, Executive Director of WHI/HBCUs.

Initial support for MOLIS was provided by the Minority Business Development Agency of the Department of Commerce while it was designed and produced by Federal Information Exchange, Inc. The program received additional support from the Department of Energy, NASA, the National Science Foundation, the National Security Agency, the Agency for International Development, and the Department of Education.

Although primarily designed to aid and assist HBCUs, Goodwin noted that "we are very pleased to also include a large subset of Hispanic-serving colleges in our universe of institutions that are served by the data base." ■

ERIC

Producer: U.S. Dept. of Education - Educational Resources Information Center, (800) 424-1616

Vendors: BRS, Dialog, Knowledge Index and OCLC

Cost: Varies with vendor
ERIC (Educational Resources Information Center) is the most complete database of bibliography reference materials. ERIC is divided into two files: Resources in Education (RIE) and Current index to Journals in Education (CIJE) which date back to 1966. 26 indexes are provided, allowing you to search by date, language, geographic source, and ERIC file (RIE or CIJE). The database is updated monthly.

FAIRBASE

Producer: Fairbase Database
Vendors: BRS, (800) 289-4277
Data-Star, (800) 221-7754

Cost: Varies with vendor
The Fairbase database contains trade shows, exhibitions and conferences up to the year 2007. Coverage is worldwide; events from 102 countries are included. You can produce a comprehensive survey of trade shows or conferences for a certain field or country. You can also arrange the output any way you choose; sort by date, location, etc. You will find coverage on exhibitions, conferences and meetings from virtually every field. Updated monthly.

THE FEARLESS TASTER

Producer: Resources for Communication
Vendor: NewsNet, (800) 345-1301

Cost: NewsNet subscription
Unsure about which wine to serve with dinner? Confused when a waiter

hands you a wine list? Relax, the Fearless Taster is here to help you.

Journalist Bob Cramer prepares a daily newsletter about wines and the foods that complement them. Each issue takes you step-by-step through a full tasting of a currently available wine using the University of California/Davis 20-point wine-testing chart. Cramer also supplies a recipe especially selected for that wine.

FEDIX/MOLIS

Producer: Federal Information Exchange, (301) 975-0103
Vendor: Internet
Cost: Free

FEDIX and MOLIS are the information links between the federal government and academia. Several government agencies use FEDIX to solicit proposals for research and to announce the availability of funding for important projects. In addition, agency files carry information on educational

opportunities such as scholarships, fellowships and special training courses.

Some of the agencies participating in FEDIX include the U.S. Departments of Energy, Commerce and Education; the Federal Aviation Administration; the National Science Foundation and U.S. Agency for International Development.

MOLIS, Minority Online Information Service, provides current information to minority educational institutions on opportunities in federal research and educational programs. It also profiles over 100 minority-serving schools or universities. These profiles discuss the schools' faculty, programs, revenues/expenditures and facilities.

14,000 users currently access FEDIX/MOLIS. The service is available 24 hours a day, seven days a week. A help line is also available during regular business hours.

THE WHOLE INTERNET

USER'S GUIDE & CATALOG

A NUTSHELL

HANDBOOK

ED KROL

O'REILLY & ASSOCIATES, INC.

topic. Reports were produced by the ERIC Clearinghouses, funded by the U.S. Department of Education.

Access via: WAIS *ERIC-archive.src*
WAIS *eric-digest.src*

Educational Leadership

An experimental server of the ASCD publication *Educational Leadership*. Contains copyrighted articles from the last two years.

Access via: WAIS *ascd-education.src*

Information:

Federal Information Exchange

An information liaison between various government agencies and the higher education community. Provides timely information on Federal education and research programs, scholarships and fellowships, surplus equipment, funding opportunities, and general information.

Access via: *telnet fedix.fie.com*; login *fedix*

International Centre for Distance Learning

This database concentrates on "distance learning": correspondence courses, courses offered via television or audio tape, and other forms of "remote education." The database includes descriptions of "distance-learning" programs, and secondary literature about distance learning. The courses cover all academic disciplines (humanities, arts, sciences, engineering, agriculture, medicine, social sciences), all educational levels (from primary to post-graduate) and are taken from all parts of

the world. From looking at this list, it's immediately obvious that "distance learning" is particularly important in the Third World.

Access via: *telnet sun.nsf.ac.uk*; login *janel*; Hostname: *uk.ac.open.acs.vax*; username *icdl*

Note: Free access ends September 1, 1992; registration and fee will be required.

Information:

E-mail: *n.ismail@vax.acs.open.ac.uk*
(comments on database)

E-mail: *i.r.a.melton@vax.acs.open.ac.uk*
(enquiries)

Phone: +44 908 653537

Kidsnet

This is the indexed archive of the Kidsnet mailing list. Kidsnet is a list to foster international networking for children and educators. To join send a message to *kidsnet*.

Minority Online Information Service

Information about Black and Hispanic colleges and universities. Includes information on faculty, academic programs, degrees granted, and specialties. Part of the Federal Information Exchange.

Access via: *telnet fedix.fie.com*; login *molis*

National Education Bulletin Board System

A semi-closed system for NESP educators to discuss topics of interest to them. There is a public guest account, but it only provides limited access. Anyone in the NESP can request an account.

Access via: *telnet nebbs.nersc.gov*; login *guest*

Historically Black Colleges, Universities Receiving Increased Support

Three DOE initiatives announced by Secretary Watkins 2 years ago specifically to support Historically Black Colleges and Universities (HBCU's) are now fully operational, Deputy Secretary Linda G. Stuntz told last month's Headquarters observance of National Historically Black Colleges Week. Three new initiatives were also announced.

The original three, which provide HBCU's and other minority institutions with direct access to information about DOE resources including scholarships and research opportunities, are:

- The Federal Information Exchange and Minority On-Line Information Service (FEDIX/MOLIS);
- The Minority Undergraduate Training for Energy-Related Careers

program; and

- The HBCU and Minority Institutions Environmental Waste Management Consortium.

Since 1981, DOE has had a formal HBCU support program coordinated by the Office of Minority Economic Impact and involving 43 HBCU representatives from every DOE element, including management and operating contractors, Ms. Stuntz told the assembly.

New Initiatives

"Every program office in DOE has designated an individual to coordinate efforts in support of President Bush's Executive Order on HBCU's (establishing the mandate for Federal agencies' support)," she said. "We apply budget resources to this

mission just as we do to all program efforts."

The new initiatives include an expansion of the HBCU program by the Office of Fossil Energy to include all fossil fuels, not just coal. Last June, eight projects, sponsored by seven HBCU's, received nearly \$1 million for research work with DOE.

Also new is a pilot program through the Institute for College Research Development and Support to improve the skills and effectiveness of those responsible for attracting sponsored research programs to their colleges.

In addition, the Department is currently reviewing its affirmative employment activities in an effort to increase representation of minorities and women in the professional ranks.

Information Service Assists HBCU's Growing Role in DOE Research

The number of users of the FEDIX/MOLIS on-line information service, established by DOE to provide data on Government research opportunities to minority academia, jumped from 5,000 to nearly 22,000 in Fiscal Year 1992.

FEDIX (Federal Information Exchange, Inc.), now cofunded by 11 agencies, was organized in 1989 following the White House Initiative on Historically Black Colleges and Universities (HBCU's), which designated DOE as the lead agency in developing a minority information service. The service was originated

by the Office of Energy Research and is now a program of the Office of Science and Technology (ST).

MOLIS (Minority On-Line Information Service) provides profiles of all HBCU's and 32 Hispanic-serving institutions. FEDIX/MOLIS systems, working in parallel, provide Federal research, education, and equipment opportunities as well as detailed information on minority institutions.

The service is now being expanded to include all schools that are members of the Hispanic Association for Colleges and Universities (HACU).

Information on all DOE programs is accessible and used by most colleges and universities and others free of charge. Menu and code driven, it is also available on INTERNET in use on most campuses.

The system is also used for DOE's monthly listing of equipment available through the Department's Used Energy-Related Equipment Grant Program, also operated by ST. Equipment no longer needed at DOE facilities, including the laboratories, is available to colleges and universities on a first-come, first-served basis.

(DOE Photo by Runion)

ON LINE—Checking the FEDIX/MOLIS display at Forrestal Headquarters during National Historically Black Colleges Week are (l-r) John Rodney Clark, Chief of Staff, Office of Energy Research; Larry L. Barker, University and Science Education Programs, Office of Science and Technology, which sponsors the information service; and Patricia DeVaux of Federal Information Exchange, Inc.

INDUSTRY, p. 3

diverse as artists' drawings, isotope ratios in polar ice borings and sunspot activities. Broecker then presents a series of graphs trying to show that a correlation exists between warming and artificial or natural causes, with very ambiguous results. At the end of all this he describes the hypothetical judge as growing restive, dismissing the case for lack of clear evidence, and suggesting that the litigants return a decade from now when additional evidence regarding the warming trend has accumulated. It is somewhat reminiscent of a Jackie Mason advertisement for Honda's four-wheel steering where, after a description of what it did, complete with gestures, he concludes by stating, "And how does it do this? I don't know."

Broecker, after demonstrating the confusion which exists on the question of global warming, then tosses his own bombshell. The matter of warming is

just a small skirmish, he avers, and anything we do to combat it, to the extent it does exist, will simply be stopgap measures if we do not attack the underlying problem of world population growth. And that is a subject I will not touch.

Fortunately, one fact emerges from all this confusion, which appears to be inarguable and falls within the scope of the research administrators' job responsibilities: if carbon dioxide in the atmosphere is a major contributor to a possible greenhouse effect, and if a major source of this gas is in the burning of fossil fuels, then greater efficiency and, therefore, reduction in the use of such fuels, will please the environmentalists while helping to reduce operational costs, which should displease no one. Even Sanderson's paper includes a list of low-cost or no-cost options to reduce greenhouse-gas-equivalent emissions. Some, indeed, such as implementing energy-efficient improvements in build-

ing design, may even save money. Competent administrators have always looked for more cost-effective sources of energy. We can be heroes for saving money, without once mentioning that nasty word "greenhouse." And incidentally, where do we put nuclear energy in this equation?

One final thought — all the assumptions about the cause and effect of global warming depend upon extremely complex computer extrapolation of past weather data far into the future. What ever happened to Lorenz's "butterfly effect?" □

Robert Bolton is retired from American Cyanamid and provides consulting services for universities and industry from his home base in New City, New York.

FEDIX ON-LINE INFORMATION SERVICE

Free • No Access Charges • No Registration Fees

FEDIX is a dial-up, on-line service providing access to a collection of databases of Federal government research and education-related information including: agency research opportunities; program contacts; scholarships, fellowships, and grants; research equipment, procurement notices; and minority opportunities.

PARTICIPATING AGENCIES

DOE • DOC • DOEd • HUD • NASA • FAA • NSF • NSA • ONR • AID • AFOSR

MODEM SETUP: 8 databits, NO parity, 1 stopbit
DATA LINE: (301) 258-0953 or 1-800-232-4879
INTERNET ADDRESS: fedix.fie.com OR 192.111.228.1
At Login type: "fedix"

Available 24 hours a day, 7 days a week
For more information or a FREE User's Guide,
call our HELPLINE--(301) 975-0103

FEDERAL INFORMATION EXCHANGE, INC.
555 QUINCE ORCHARD ROAD, SUITE 200
GAITHERSBURG, MD 20878

How to Get Ahead When Things Keep Changing!

FEDIX / MOLIS

ON-LINE ACCESS TO FEDERAL GOVERNMENT INFORMATION AND MINORITY INSTITUTIONS

Free • No Access Costs • No Registration Fees

FEDIX (Federal Agency)

- research programs
- contract information
- equipment grants
- procurement notices

*For more information
or a FREE User's Guide
call the Help Line at
301-975-0103*

MOLIS (Minority Institutions)

- institutional capabilities
- student & faculty profiles
- research facilities
- degrees and enrollments
by department

Participating

Agencies:

- DOE • DOC
- DOEd • HUD
- FAA • NSF
- NSA • ONR
- AID • NASA
- AFOSR

INTERNET:

fedix.fie.com

At prompt type -
"fedix" or "molis"

Modem Setup:

8 databits
NO Parity
1 Stopbit

Available:

24 hours per day
7 days per week

Federal Information Exchange, Inc.

555 Quince Orchard Road, Suite 200, Gaithersburg, MD 20878

301-975-0103 (Phone) 301-975-0109 (Fax)

Database Access Telephone Numbers: 1-800-25FEDIX or 1-800-62MOLIS

APPENDIX III

MOLIS USER SURVEY REPORT

MINORITY ON-LINE INFORMATION SERVICE
(MOLIS)

USER SURVEY

1992

Prepared For
FEDERAL INFORMATION EXCHANGE, INC.

By

Michael R. Dingerson

Associate Vice Chancellor for Research
and Dean of the Graduate School

The University of Mississippi

15 April 1993

Minority On-Line Information Service (MOLIS)

User Survey 1992

MOLIS, an on-line information service of Federal Information Exchange, Inc. (FIE), was established to achieve objectives mandated by Executive Order 12677 in April, 1989. This order states that historically black colleges and universities (HBCU's) "need current information on federal government programs to alert their faculty and students regarding research and educational opportunities . . ." so as to "strengthen the capacity of historically black colleges and universities to provide quality education, and to increase opportunities to participate and benefit from federal programs." In November, 1989, FIE staff, in coordination with members of the White House Initiative on Historically Black Colleges and Universities, submitted a five-year grant proposal that outlined the development of an on-line service that would facilitate the exchange of information between federal agencies and the minority higher education community. In Spring 1992, the Department of Energy assumed leadership responsibility for MOLIS.

The first complete calendar year of existence for MOLIS was 1992--it went on-line in April of 1991. In November 1992, when this survey was developed, MOLIS had 3,089 total registered users. Of these, 2,305 users had accessed MOLIS more than one time. A sample of 346 (15% of the repeat-user population) was selected to

determine user characteristics and repeat use patterns. Only repeat callers were selected for the survey population to ensure a greater number of complete and thoughtful responses to the questionnaire. It was important to determine the type of organization a user represented, if in a college or university, the nature of their affiliation, the number of times they used MOLIS during the year, if they had received on-site training and how useful they found it, how they prioritized categories of information available from MOLIS, what other categories of information not available on MOLIS they would find useful, how they learned about MOLIS and to request any comments they wished to make regarding their knowledge of and/or use of MOLIS.

Of the 346 sampled, 129 questionnaires were returned. Those returned that were determined to be usable numbered 111, or 32 percent, of the net sampled population. Eighteen unusable questionnaires were returned as undeliverable to the address provided to MOLIS by the user when access to the system occurred. The sample size was reduced by this amount for analysis purposes.

When asked "Where do you work?" respondents were offered several non-college/university choices and four options under "College/University." This entry on the survey instrument misled some since there were multiple responses to the question. It is noted for instance that some respondents marked "Library" under the entries intended as non-university/college in addition to a particular type of college/university in the college/university column. Nevertheless, this is a slight aberration in the data

which does not affect their overall validity. There were 11 responses of this type. A large majority of the respondents, 74 (67%), selected one of the college/university categories. There is evidence of a broad distribution of users across these categories as 39 (53%) indicated "Majority Institution," 26 (35%) "Historically Black College/University," 7 (9%) "Hispanic-Serving Institution," and 2 (3%) "Other Minority Institution." Of the total non-college/university respondents, there were 15 (31%) respondents reporting "Pre-College Institution," 15 (31%) "Library," 9 (19%) "Government Agency," 5 (10%) "Association/Foundation," and 4 (8%) "Industry." This is a very diverse listing of users seeking information about minority colleges and universities and related programs.

When respondents were asked to indicate their position within a college or university if they were associated with such an organization, this survey produced 26 more responses than the 74 that had responded that they were affiliated with a college or university. The anomaly here is that 32 (32%) respondents reported "Other." Since the survey document did not provide space for an explanation the meaning of these responses is unknown. What is known, however, is that 33 reported "Faculty," 24 "Student," 7 "Sponsored Projects Office," and 4 "Departmental Research Administration"; again a broad base of users across different types of university units.

All respondents were multiple users of the system. For instance, of the 107 responding to numbers of uses of the system,

6 (6%) reported using MOLIS over 20 times in the past year, 5 (5%) between 11 and 20 times, 22 (21%) between 6 and 10 times, and 63 (59%) between 2 and 5 times. Only 11 (10%) reported using MOLIS once over the past year. (Since this population was a repeat-user population, respondents either did not recall a previous use or they felt they used the system prior to one year ago.)

Twenty-five respondents (24%) reported that their institution received on-site training on the use of MOLIS. Of those, 22 (88%) reported this assistance to be either "Very Helpful" or "Moderately Helpful."

Respondents were asked to rate the importance of several categories of information to them and their colleagues, using a 1 to 5 rating system where 1 = very important, 5 = not important. It can be concluded that all of the categories were determined to be of substantial relative importance since the range of responses across all categories (average) was 1.93 to 3.12. Cited as most important were "Scholarships/Fellowships" (1.93), followed by "Federal Research and Education Programs" (2.25), "General Institutional Data" (2.54), "Research Centers/Facilities" (2.57), "Current Events/Reference Tools/Meetings" (2.84), "Pre-College Programs" (2.89), and "Faculty Profile" (3.12).

Twenty-two respondents (20%) took the opportunity to respond to the question asking for additional categories of information to be made available through MOLIS. Of those, only four categories were listed more than once. Respondents reported a variety of issues including loans; professional associations; student

profiles; financial aid; placement; E-mail directories; co-op programs; career information; and other information. (A complete listing with numbers or citations of each is appended.)

MOLIS users reported learning about the system from a variety of sources. From a listing of seven options (with no directive to select only one), 27 (24%) reported "Other," 26 (23%) "E-Mail," 17 (15%) "Colleague," 14 (12%) "Professional Meeting," 11 (10%) "Newsletter Article," 9 (8%) "Campus Site Visit by MOLIS Representative," and 9 (8%) "Advertisement (in print)." Of those reporting "Other," nearly one-half learned about MOLIS from some form of electronic information. The remainder learned from a variety of sources such as printed materials other than advertisements, from FEDIX, or from an on-campus office.

Twenty-nine (26%) respondents took the opportunity to respond to the open comments question. Of those, 11 (38%) reported "good job, keep up the good work" in one form or another. Four (14%) responded that MOLIS was not directly relevant and 3 (10%) suggested more frequent updates. Several took this opportunity to say they have not used it as much as they would hope to in the future or that they had used it for a specific purpose they wished to report.

In this the first full year of MOLIS operations, data indicate a very broadbased user population. Of the higher education-based users, about one-half are located in majority versus minority institutions. Since MOLIS includes information useful to a variety of types of institutions, it is encouraging to note the variety of

users. Even though this was the first full year of operation of MOLIS, there were a substantial number of users (11 or 10%) who accessed the system more than ten times. This speaks positively to the quality of information users are receiving. Those users receiving training on the system reported it to be "very" to "moderately" helpful. More training would seem to be worth considering for the future. Most impressive was the level of support respondents indicated to the categories of information available through MOLIS. All of the categories received a substantially positive response as being important to users. Respondents listed other categories they felt worthy of consideration for inclusion on MOLIS as well as reporting how they learned about MOLIS. Not surprisingly, users reported all sorts of ways that they had learned of this system.

The future appears bright for MOLIS as greater numbers of users show interest, as users increase their use of the system and as the amount of data on the system increases. Additional on-site training could prove to be most useful to current and potential users of the system. At the present time, about three-fourths of the repeat users have had no on-site training. It should be determined if some form of training would be useful to current users. Additionally, on-site training efforts should be considered to encourage new users.

NAME (Optional): SUMMARY TOTALS

Other, Describe: _____

32 Other

11 1 63 2-5 22 6-10 5 11-20 6 >20

13 Very Helpful 9 Moderately Helpful 3 Not Helpful 80 N/A

2.84 Current Events/Reference Tools/Meetings

6. Suggest any categories of information NOT listed in Question 5 that you would like to have available on MOLIS: _____

_____ Please see attached list. _____

7. How did you learn about MOLIS?

14 Professional Meeting

17 Colleague

26 E-Mail

11 Newsletter Article

9 Advertisement (in print)

9 Campus Site Visit by MOLIS representatives

27 Other, Describe: _____ Please see attached list. _____

8. Comments: _____ Please see attached comments. _____

Thank You. Please return the survey document in the enclosed envelope to:

Michael R. Dingerson
Associate Vice Chancellor for Research
125 Old Chemistry Building
University of Mississippi
University, MS 38677

6. SUGGEST ANY CATEGORIES OF INFORMATION NOT LISTED IN QUESTION 5 THAT YOU WOULD LIKE TO HAVE AVAILABLE ON MOLIS:

- 1) Loans
- 2) Professional Associations, i.e., the Black Data Processing Associates; 1250 Connecticut Avenue, Northwest; Suite 700; Washington, D.C. 20036.
- 3) Research database
- 4) Education files (2)
- 5) Grant information (2)
- 6) Updated scholarship sources (2)
- 7) Student profile by majors and/or graduates
- 8) Financial aid broken down by institutional, federal, and state aid
- 9) Graduate placement
- 10) Reading list on new books by Black authors
- 11) Faculty/Staff/Student E-Mail directories
- 12) Co-op programs for graduate students with government agencies
- 13) Summer research institutes for undergraduate students of color
- 14) NIH opportunities
- 15) Census or minority statistics
- 16) Native American opportunities
- 17) NEH participation

7. HOW DID YOU LEARN ABOUT MOLIS:

- 1) Newspaper article
- 2) Telecommunications class
- 3) Educational journal
- 4) Bulletin Board (2)
- 5) TENET (5)
- 6) NASA Newsletter
- 7) INTERNET (4)
- 8) FEDIX
- 9) Director of Financial Aid
- 10) UNC Information Network
- 11) BBS (2)
- 12) Hytelnet
- 13) Libcom
- 14) University Office of Research Administration
- 15) Project ORILLAS in Puerto Rico

8. COMMENTS

- 1) Not used that often in library setting. My role has been to publicize the service and offer instructions on how to gain access.
- 2) Wonderful service -- very helpful -- would like to see it continued (11)
- 3) Let me take a moment to sing the praises of Mr. Clarence Henry with FEDIX or MOLIS. His assistance and professionalism was sincerely appreciated; he's a found of knowledge and has helped several of my colleagues learn about and gain access to MOLIS. Kudos to him and all the professionals in the Gaithersburg office! Not relevant, but keep up the good work.
- 4) Not directly relevant to our needs at University of Washington Alcohol and Drug Abuse Institute--the main reason for using it has been for a model for distributing various types of information via INTERNET. (4)
- 5) Helpful for college selection.
- 6) I use MOLIS as an example of the resources which are available to those who have access to INTERNET. In November, I made a presentation to the Georgia Library Association's conference in Savannah. The University System of Georgia has established a statewide network--PEACHNET--which connects to INTERNET. This resource was originally geared toward the University system but is now expanding its accessibility.
- 7) Receives minimal usage here (high school). Minority representation is scant.
- 8) Not used often--but helpful when needed. (3)
- 9) Outdated or incomplete information--otherwise, MOLIS is a great endeavor. Needs continuous updating. (3)
- 10) Haven't had the opportunity to use as much as I'd like. (3)
- 11) Don't really know much about it.

APPENDIX IV

**MOLIS USER'S GUIDE
FEDIX USER'S GUIDE
MOLIS FACT SHEET
FEDIX/MOLIS BROCHURE**

*Removed and cycled
separately.*

What are FEDIX and MOLIS?

FEDIX and MOLIS, on-line services developed by Federal Information Exchange, Inc., are the information links between the Federal Government and Academia.

More than **34,000 users** from over 16,000 colleges and universities, Federal agencies and other organizations have accessed FEDIX and MOLIS (as of January 31, 1993).

FEDIX databases provide on-line information on Federal research and educational opportunities, program contracts, scholarships, research equipment, and minority opportunities.

An electronic mail feature allows users to communicate with the system operators.

MOLIS databases provide capability information on *104 Historically Black Colleges and Universities (HBCUs)* and *32 Hispanic-Serving Institutions (HSIs)* in the following categories: research centers and equipment, pre-college and education programs, scholarships and fellowships, emerging capabilities, revenues and expenditures, degrees and enrollment, faculty profiles and administrative personnel.

Science and engineering student profiles and grant/contract activity will soon be available on line. An electronic mail system is available for messaging between the user and the system operators.

Participating Federal Agencies.

- Department of Energy (DOE)
- Department of Commerce (DOC)
- Department of Housing and Urban Development (HUD)
- National Aeronautics and Space Administration (NASA)
- Federal Aviation Administration (FAA)
- National Science Foundation (NSF)
- Office of Naval Research (ONR)
- Agency for International Development (AID)
- Air Force Office of Scientific Research (AFOSR)

Who Should Use the System?

Organizations

- Federal Agencies
- Colleges and Universities
- Pre-College Institutions
- Medical Schools
- Industry
- Associations
- Hospitals
- Media
- Libraries

Individuals

- Faculty
- Researchers
- Administrators
- Students
- Educators
- Counselors
- Librarians
- Writers

Why Use FEDIX and MOLIS?

- Provides access at **No Cost**, is easy to use, and has **No Registrations Fees**.
- Allows one-stop shopping for participating agencies' research and educational opportunities.
- Provides the latest information on participating agencies and minority institutions.
- Updates daily information available from the Commerce Business Daily and the Federal Register.
- Saves time and money.

How to Access the System.

Any microcomputer or dumb terminal with communications software and a modem operating at 1200, 2400, and 9600 baud, or any computer that has access to **Internet** can connect to the system.

INTERNET Address: "fedix.fie.com".
At login type: "fedix" or "molis"

FEDIX / MOLIS:

- (301) 258-0953 Washington Metro Area
- (800) 783-3349 Toll Free

Modem Setup:

- 8 Databits, NO Parity, 1 Stopbit

Free User Guides are available for both FEDIX and MOLIS. Call (301) 975-0103.

System Features

- Toll-Free Dialing
- 24-Hour Access
- Available through Internet
- Helpline Assistance
- Downloading Capability
- Campus Technical Assistance
- Continuous Updating of Data
- Input from Federal/Campus Advisory Panels

FIE Corporate Services

- Information Systems Design, Development and Programming
- Electronic (Remote) Database Design and Management
- User Technical Assistance and Training
- Academic/Government Liaison Services
- Local Area Network Installation and Support
- Database Programming

For more information, Call...

Federal Information Exchange, Inc.

555 Quince Orchard Road, Suite 200
Gaithersburg, MD 20878
Phone: (301) 975-0103
Fax: (301) 975-0109

Federal Information Exchange

A Diversified Information Services Company

Corporate Office:

Federal Information Exchange, Inc.
555 Quince Orchard Road
Suite 200
Gaithersburg, MD 20878
Phone: (301) 975-0103
Fax: (301) 975-0109

Federal Office:

1747 Pennsylvania Avenue, NW
Suite 1150
Washington, DC 20006
Phone: (202) 467-4790
Fax: (202) 293-2068

MOLIS FACT SHEET

FREE ACCESS

NO REGISTRATION FEES

WHAT IS MOLIS?

The Minority On-Line Information Service (MOLIS), provides current information on the strengths and capabilities of African-American and Hispanic-serving colleges and universities, as well as information on Federal opportunities for minorities. Over 130 Historically Black Colleges and Universities and Hispanic-Serving Institutions participate in MOLIS by providing information on their research facilities and equipment; pre-college and education programs; scholarships and fellowships; emerging capabilities; revenues and expenditures; and faculty and administrative personnel. Information will soon be available on grant/contract activity for all participating schools.

WHO WILL BENEFIT FROM MOLIS?

Federal Agencies
Colleges and Universities
Pre-College Institutions
Medical Schools
Industry
Associations
Hospitals
Media
Libraries

Administrators
Researchers
Counselors
Educators
Students
Librarians
Writers

WHAT AGENCIES ARE PARTICIPATING?

MOLIS is supported by the Federal agencies listed below through a grant from the Department of Energy.

Department of Energy
Agency for International Development
National Science Foundation
Department of Housing and Urban
Development
Federal Aviation Administration

Department of Commerce
National Aeronautics and Space
Administration
Office of Naval Research
Air Force Office of Scientific
Research

WHAT ARE THE HOURS OF OPERATION?

MOLIS is available 24 hours a day, 7 days a week. A helpline is available Monday through Friday, 8:30 am to 5:00 pm (Eastern); call (301) 975-0103.

(OVER)

EASY STEPS TO LOGGING ONTO MOLIS

REQUIRED HARDWARE:

Any microcomputer or dumb terminal with communications software and modem operating at 1200, 2400 or 9600 baud can access the system. Any computer that has access to INTERNET can also connect to the system.

ESTABLISHING A CONNECTION VIA MODEM:

Using your communications software, set your modem parameters to 8-N-1 and then dial:

**(301) 258-0953
1-800-783-3349**

**Washington Metro Area
Toll Free**

At the "login" prompt, type **molis**.

If you are an Internet node, get to the system prompt and type:

telnet fedix.fle.com.

At the "login" prompt, type **molis**.

USER ID:

Enter your self-assigned USER ID. If you are a new user, type **new** to register. If you have forgotten your USER ID, type **prior**.

MAIN MENU:

When the Main Menu appears, type the number of the item you wish to display.

ON-SCREEN INSTRUCTIONS:

Follow on-screen instructions to find the information you want.

CALL THE HELPLINE AT (301) 975-0103

APPENDIX V

FIE UPDATE

**Federal
Information
Exchange, Inc.**

A Diversified Information Services Company

UPDATE

Volume 2, Number 3 Aug / Sep 1992

HBCU Managers Master Grant/Contract Software

Representatives from 13 Historically Black Colleges and Universities (HBCUs) gained valuable research administration skills during a two-day program of free hands-on training with the Faculty Application

MIS Coordinator, Bennett College; *Agnes Brown*, Director, Federal Programs, Bowie State University; *Lawrence Barnes*, Director, Grant Administration, University of the District of Columbia; *Montrece De La*

HBCU administrators focus on FAARS software during a recent July training session at Howard University. Dr. Fred Buddy (right forefront) and Agnes Brown (left) select the "Add Edit" option from the Faculty Profile database. FAARS is a powerful grant/contract tracking software package produced by FIE.

Awards Reporting System (FAARS) on-line information retrieval database service. The unique training program was held at the Howard University School of Continuing Education during July and was sponsored by Federal Information Exchange, Inc. (FIE) and eleven Federal agencies.

Participating administrators were trained to match faculty expertise with federal opportunity announcements, track institutional grant/contract activity from the proposal stage to post-award activities and generate timely institutional reports.

The HBCU participants in this state-of-the-art training included: *Sandra Cuning*, Fiscal Assistant, Research Center, University of Arkansas at Pine Bluff; *Mary Stuart*,

Cruz, Secretary, and *Leonard Clay*, Budget Officer, Howard University; *Pamela English*, Administrative Secretary, Morehouse College; *Dr. Edet Isuk*, Director of Sponsored Programs, Morgan State University; *Thomasene Roberts*, Director, Government Relations, Morris Brown College; *Karen Benn*, Grants and Contracts Specialist, Oakwood College; *Dr. Fred Buddy*, Registrar, Spelman College; *Yvonne Martin*, Coordinator, Sponsored Programs, and *Mark McKinney*, Computer Programmer, Virginia State University.

The next grant/contract software management session is planned for October 1992. For more information contact Pam DeVaux, Director of Customer Services, Federal Information Exchange, Inc. (301) 975-0103.

DOE Used Energy-Related Equipment Grants on FEDIX

Log onto FEDIX to access the Eligible Equipment Grants Access Data System (EEGADS) a database of free laboratory equipment that is available to colleges and universities under the Department of Energy's Energy-Related Laboratory Equipment (ERLE) grant program.

All equipment listed on EEGADS is eligible to be granted if its intended use supports education or research activities.

Each item listing includes a description, condition code and the name and telephone of the designated contact person. Equipment reservations are on a first-come, first-served basis. A "hold" may be placed on desired equipment by calling the contact facility directly.

DOE does not require an institution to have a currently funded project with the agency in order to participate in this program.

FEDIX Consolidates Toll Free Phone Lines Into Single 800 Number

Beginning November 1, 1992, Federal Information Exchange, Inc. will provide all services via one toll-free telephone number, replacing the three "800" numbers currently available.

"Consolidation of all FIE information databases and services makes access to FEDIX and MOLIS easier to use," said FIE President, John A. Rodman.

The new toll-free number will be 1-800-78FEDIX.

United Negro College Fund Recognizes On-Line Services

In separate letters to the Secretary of Energy, *Admiral James Watkins* and the Secretary of Education, *Lamar Alexander*, The United Negro College Fund (UNCF), the premier private black college and university advocacy organization, expressed its strong support for increased minority institutional access to federal opportunity information.

Officials at UNCF wrote, "MOLIS provides a very important and useful resource for our schools. It allows, at no cost, schools to obtain minority research, education and fellowship opportunities from the eleven participating government agencies."

Moreover, UNCF applauded Federal Information Exchange's design, development and implementation activities in collecting, organizing and disseminating current minority institutional capability data.

FAA Expands Use of FEDIX; Increases Information Services

The Federal Aviation Administration (FAA) widened the distribution of current FAA news releases and civil penalty decisions to the electronic FEDIX on-line database service as part of its plan to increase its public information services.

FEDIX Salutes HBCU Week

FIE joined the MOLIS participating agencies in recognizing Black colleges and universities at DOE during the week of September 8 - 11, 1992.

Participating agencies included: the Department of Commerce, Minority Business Development Agency, *Joe Lira*, Executive Director; the Department of Energy, University and Science Education Programs, *Richard Stephens*, Director; and the U.S. Agency for International Development, Research and Development University Center, *David Rakes*, Chief.

Acting Administrator *Barry L. Harris* said, "Government works best when information on its decisions reaches the widest number of citizens. The use of computer information data banks is an efficient way for the FAA to reach more members of both the aviation community and the general public."

FEDIX contains FAA news releases issued since January, 1, 1991, as well as the administrator's speeches covering the same period.

In addition, the FAA has supplied FEDIX with copies of all civil penalty orders issued by the administrator with FAA legal interpretations issued since January 1, 1991.

FAA also announces current and historical information on the Agency's aviation elementary and high school education programs.

For further information, contact *Phillip Woodruff* at (202) 267-3465.

FEDIX/MOLIS Users Top 22,000

The FIE user profile continues to expand. Analysis of May 31 through July 31, 1992 statistics reflects broad user increase among university, government and pre-college sectors. There was a 26% increase in usage by universities and a 28% increase in the number of users from the government.

Educators, Government and Corporate Officials Discuss Educational Opportunities for Hispanics

The Hispanic Association of Colleges and Universities (HACU) conference, held September 27-29, 1992 at the Ramada Tech Center Hotel, Washington, D.C., provided educators, federal officials and business leaders the opportunity to exchange views and information regarding enhancing higher education for Hispanic populations. Richard E. Stephens discussed the U.S. Department of Energy's commitment to increased cooperation and communications with HACU institutions.

Richard E. Stephens, Director, DOE Office of University and Science Education Programs and Thomasina F. Mathews, Director, DOE Special Programs Staff, attended the HACU conference in an effort to increase the number of Hispanics participating in DOE internships and full and part time employment opportunities.

Pam DeVeaux, Director for Customer Services of Federal Information Exchange, Inc. greeted visitors at the FIE booth in addition to providing information and references. FIE staff offer technical assistance services at no cost to visitors participating in the MOLIS project. To schedule a technical assistance appointment, call (301) 412-1111.

FIE Site Visits to Include 30 HSI Colleges and Universities During the 1992-93 Academic Year

Federal Information Exchange, Inc. will conduct site visits to 30 Hispanic-serving Institutions during the 1992-1993 academic school year. FIE visited four sites in April.

FIE site visits are designed to teach administrators, faculty and students how to logon to the databases and in order to access information on FEDIX and MOLIS. This provides the opportunity for these universities and colleges to obtain vital and timely grant information.

The following persons have been designated to serve as the Campus Contacts for the MOLIS project. Contact persons will assist in arranging MOLIS technical assistance site visits.

University of Texas at El Paso

Dr. Julie Sanford

California State University at LA

Susan Steiner

Lehman College

Oscar Fisch

University of Texas Pan American

Bruce Erickson

Saint Mary's University

Brother Eugene Meyerpeter

Our Lady of the Lake University

Dr. Antonio Rigual

College of Santa Fe

Janet Wise

New Mexico Highland University

Dr. Ronald Clark

Saint Thomas University

Dr. Blair Atherton

Weston New Mexico University

Sonia Munoz

Boricua College

Francia Castro

American University of Puerto Rico

Dr. Nydia Marini

Sul Ross State University

Dr. Dale Christophersen

Universidad Politecnica de PR

Raphael Leon-Marcial

Western School of Christian Ministry.

Del Bireline

Pontifical Catholic University of

Puerto Rico

Sister Virginia Chasas

Mercy College

John DiElsi

University of the Sacred Heart

Sebastian Cabrera

Florida International University

Dr. Thomas Breslin

University of Puerto Rico System

Sandra Mackoud

Universidad Del Turabo &

Universidad Metropolitana

Dr. Jose Mendez

In addition, the contact person will also facilitate the collection of institutional capability data including information on faculty profiles, student information, equipment and facilities, and emerging capabilities.

FIE is working with federal officials to secure additional funding to provide support to institutions not participating in the MOLIS program.

FIE also seeks to involve all 118 HSIs throughout the United States and Puerto Rico.

HACU Bridges the Gap; Partnerships will Enhance HSIs

The Hispanic Association of College and Universities (HACU) brings together academic institutions, corporations, government agencies and individuals to establish partnerships to promote the development of Hispanic-serving institutions; improving access to and the quality of post-secondary educational opportunities for Hispanic students; and meeting the needs of business, industry and government through the development and sharing of resources, information and expertise. These goals will be realized during 1992 through 1994 by generating resources, sharing information, developing and advocating public policies, promoting partnerships with federal agencies, corporations and other entities.

Federal and Educational Representatives Seek Strategies to Enhance Hispanic Education Opportunities

As our nation strives to attain education excellence to take us into the 21st century, we are reminded of the long road ahead for our "Hispanic youth at risk." Hispanics are the fastest-growing population in the United States, growing at a rate five times more than any other group.

By the year 2000, the Hispanic population is projected to reach 27 million, with those under 25 comprising the majority of this population. And yet, Hispanic students account for 3% of all students attending U.S. colleges and universities with half enrolled at HACU institutions.

"Our commitment in higher education must be to provide opportunities for all students to achieve their educational aspirations. HACU is at the forefront, successfully carrying out

this mission," said Agnes Mojica, Chancellor at Universidad Interamericana de Puerto Rico.

In support of Hispanic education, President Bush signed the "White House Initiative on Educational Excellence for Hispanic Americans" on September 24, 1990.

The White House commission, appointed by the President, examines critical issues that effect the educational opportunities of Hispanic Americans.

The commission's first report will be issued on October 13, 1992.

Currently, a nationwide search is underway to locate a permanent director. Call (202) 205-2420 for further information.

Information supplied by the Hispanic Association of Colleges and Universities.

- 45% of all Hispanic post-secondary students in the United States are enrolled at Hispanic-Serving Institutions (3% of all US Colleges and Universities; 1988 data).
- HSIs are located in nine states and Puerto Rico.

- Approximately 386,250 Hispanic students are enrolled at HACU institutions.
- Of the 118 HSIs:
 - 59 two-year colleges
 - 59 four-year institutions
 - 84 continental U.S.

MOLIS Site Visit Update

FIE Conducts 17 Minority Institution Technical Assistance Visits

FIE conducted site visits and technical assistance sessions at 17 HBCUs and HSIs during Spring 1992. The following institutions participated in this year's support activities:

Shorter College	Claflin College
Grambling University	Texas-Southern University
Philander Smith College	University of Texas at El Paso
Southern University at Shreveport	University of Texas Pan American
St. Paul's College	St. Mary's University
Virginia Union University	Our Lady of the Lake University
Winston-Salem State University	St. Philip's College
Barber-Scotia College	Huston-Tillotson College
Livingstone College	

Minority institution officials have expressed appreciation for the development of the FEDIX and MOLIS on-line systems. Specifically, officials cited the importance of immediate access to on-line government research, education and equipment opportunities. School officials also welcome the ability to access accurate and timely minority capability information. Another feature considered useful by students, faculty and administrators is the extensive scholarship, internship, and fellowship information available on-line.

Visits have been scheduled to complete 29 technical assistance seminars during the Fall 1992 semester. By the end of 1992, all Historically Black Colleges and Universities and Hispanic-Serving Institutions will have received at least one technical site visit each.

The following schools are scheduled for technical site visits this fall:

Shaw University	Tennessee State University
Fredd State Technical College	Southwestern Christian College
Selma University	Sul Ross State University
Arkansas Baptist College	Catholic University of Puerto Rico
St. Thomas University	University of the Sacred Heart
Interdenominational Technological Center	Lewis College of Business
Savannah State College	Clinton Junior College
Mississippi Valley State University	Trenholm State Technical College
Lincoln University, MO	University of the Virgin Island
New Mexico Highland University	Florida International University
Western New Mexico University	Western School of Christian Ministry
Mercy College	Concordia College
Morris College	American University of Puerto Rico
Knoxville College	Universidad Del Turabo
Lane College	Universidad Metropolitana

FIE Updates Student Profile Information

Federal agencies are seeking ways to match existing opportunities with the capacities and talents of minority students. In order to promote increased communication between minority students and federal agencies, FIE will provide the opportunity for minority students to submit Capability Information to be entered into the MOLIS database. The FIE database contains information on fellowships, scholarships, internships and employment announcements. FIE has begun entering updated student profile information into the MOLIS database. Once updated, MOLIS will be the most complete, on-line database of minority student information.

FIE Explores Collaborative Educational Enhancement Strategies for Minorities with Federal Agencies

Federal Information Exchange, Inc. conducted a demonstration for the Interdepartmental Indian Education Coordinating Committee. The broad base federal group meets quarterly to explore initiatives that will highlight and target areas of critical importance to American Indian educational achievement.

FIE met with *John Florez*, Executive Director, White House Initiative on Education Excellence for Hispanic Americans. One of the purposes of the meeting was to focus on designing strategies to enhance educational opportunities for the Hispanic community.

The U.S. Agency for International Development (AID) staff members participated in a hands-on training seminar to attain skills in accessing on-line minority institution capability data on the MOLIS system.

FIE Announces Advances in FEDIX/MOLIS On-Line Service Technologies

Starting on November 1, 1992, FEDIX users will be able to access all services through one local phone number, one 800 phone number and one Internet address.

By using any one of these numbers, users will be able to call up the new FEDIX System Menu which will list all on-line services. This will simplify the dial-in process for callers and provide additional capabilities. The system will be upgraded with the installation of a T-1 dataline and a 24-channel bank. These new services allow additional simultaneous users on FEDIX.

Federal Information Exchange, Inc. has initiated a major effort to determine how to implement client server technology for use in SQL accesses by remote callers to provide enhanced query capabilities of the FEDIX system databases.

User Comments

Larry Carson
Columbus Torah Academy
Columbus, Ohio

"I have been reviewing FEDIX with several of the Board members of our school. Everyone who I have shown your marvelous system to walks away astonished. You should all be very proud of the marvelous job that all of you have done."

Robert Ball
Texas A&M University
College Station, Texas

"Thanks for providing a system such as this one. In today's society, we need this type of valuable information..."

Molly Johnson
Giles County High School
Pulaski, Tennessee

"I would like to thank you for putting this information system to use for the public. It has been of great use to me in the past and I hope it will be of great use to me in the future."

Joseph Divincenzo
Embry-Riddle Aeronautical Univ.
Daytona Beach, Florida

"I would like to say that this is an excellent source of information that I will find helpful in future research projects for school."

Doug Lemmon
University of Maryland
College Park, Maryland

"Hey, thanks a lot for your help. It would have been days before mail would have got me that answer and the phone would have been too expensive."

Wayne Reed
Samuel F. B. Morse High School
San Diego, California

"I think this is just a great idea. One problem, though. I never heard of it [until now]. I just happened to find it while looking for something else. Anyway, I'll get the word out here in San Diego. Everybody should know about this."

What are FEDIX and MOLIS?

FEDIX and MOLIS are dial up, on-line database services providing access to federal government information and minority institutional capabilities.

FEDIX provides timely information on federal agency research and education opportunities, scholarships, fellowships, equipment, procurement notices, conferences, agency contacts and minority opportunities.

MOLIS provides information on minority institutions, including: financial data, facilities, equipment, pre-college and education programs, emerging capabilities, enrollment, degrees awarded, faculty, and administration personnel data, and tuition, fees, room and board.

For further information, call the Federal Information Exchange HelpLine at (301) 975-0103.

Livingstone College Collects Student Profile Database Info

Working in collaboration with Livingstone College, FIE has collected student profile information. Students who have signed release forms now have their information entered into the MOLIS database. Federal agencies seeking information about Livingstone students can access pertinent information, including the student's: major, field of interest, geographical preference for employment, grade point average, classification, telephone and address.

Eleven Federal Agencies Provided Support for the FEDIX and MOLIS Services

Eleven federal agencies currently participate with FEDIX and MOLIS on-line information retrieval databases. These include: the Department of Energy (DOE), the Department of Commerce (DOC), the Department of Education (DOEd), the Department of Housing and Urban Development (HUD), the National Aeronautics and Space Administration (NASA), the Federal Aviation Administration (FAA), the National Science Foundation (NSF), the National Security Agency (NSA), the Office of Naval Research (ONR), the U. S. Agency for International Development (AID), and the U.S. Air Force Office for Scientific Research (AFOSR).

FIE meets regularly with agencies not participating with MOLIS. The focus of these meetings is to involve additional federal agencies in strengthening minority schools.

Internet and Telephone Access Numbers

INTERNET Address: fedix.fie.com . At login type: "fedix" for FEDIX access or "molis" for MOLIS access. At the second login type "your USERID".

FEDIX

- (301) 258-0953 Washington Metro Area
- 1-800-25FEDIX Minority Institutions
- 1-800-232-4879 All Others

MOLIS

- (301) 258-5016 Washington Metro Area
- 1-800-62MOLIS All Others

Modem Setup: 8 databits, NO parity, 1 stopbit

If you need further assistance or a Free User's Guide, call the HelpLine at (301) 975-0103.

FIE UPDATE is published bi-monthly by *Federal Information Exchange, Inc.*, 555 Quince Orchard Road, Suite 200, Gaithersburg, MD 20878, (301) 975-0103 and FAX (301) 975-0109. FIE UPDATE is published free, as a service to Federal agencies, colleges and universities, public organizations, businesses and the general public.

President: John A. Rodman
Chief Operating Officer: B. Michael Mongan
Customer Services: Pam DeVeaux, Ph.D.
Clarence Henry, III
Suzzane Iverson
David I Nesbit

**Federal
Information
Exchange, Inc.**

A Diversified Information Services Company

UPDATE

Volume 2, Number 2 Mar / Apr 1992

FIE DATABASE TOPS 10,000 USERS

Federal Information Exchange, Inc. (FIE), reports that caller usage of the FEDIX on-line federal agency database has increased by 545%

FEDIX / MOLIS usage figures as of March 18, 1992

during the last twelve months. Because of its newly upgraded hardware, increased service personnel, toll-free phone numbers, system access through INTERNET and user satisfaction, FIE growth continues to soar.

Based on statistical analysis from a recent independent sampling of users, it was determined that the FEDIX information is being made available to approximately one million people.

John A. Rodman, FIE president, said, "recent independent evaluations indicate that a vast majority of FEDIX users believe the system meets its expressed goals. That is, FEDIX provides comprehensive, timely and important information in an easy to access and understandable format. We are very pleased with this report."

The report also showed that more than 90% of the users hope that additional agencies will soon join FEDIX.

MOLIS EQUALS RESOURCES

Through the assistance of the MOLIS Program, Mary Holmes College obtained 24 personal computers for a drop-out prevention program conducted between Mary Holmes and the city of West Point, Mississippi and surrounding communities. The National Science Foundation is providing support to this innovative project.

SYSTEM UPGRADES IMPROVE USER SERVICES

Hardware and software upgrades to the FEDIX/MOLIS on-line database, during the past two months, have improved system performance by at least 20%.

Upgrades include the installation of NetFrame 400 Super Micro Computer, a 10Base-T cabling system and Synoptics 2810 Model Concentrator signal amplifier.

The most significant upgrade has been the installation of a NetFrame 400 file server. The NetFrame increases our drive capacity to over 42 gigabytes of disk space, that's 42 billion bytes and an equal amount of tape backup capacity. The system has special 'mirrored' or redundant hard drives which operate in tandem to reduce the chance of drive failure and system crashes.

MBDA CONTINUES MOLIS SUPPORT

At the invitation of the Minority Business Development Agency (MBDA), Federal Information Exchange, Inc. participated in the MBDA booth at the Seventh Annual "Salute to Blacks in Business" Conference held in Washington, DC at Howard University, February 5-7, 1992. MBDA, under the direction of Joe Lira, is promoting innovative strategies to strengthen minority entrepreneurship.

USERS WANT TO KNOW!

Below are actual FIE users' questions along with FIE staff members' answers:

Q "What is INTERNET, And How Can I Access It?"

A INTERNET is a worldwide network of interconnected local networks "wired" together by cable, satellite and radio. Originally developed by the United States government, INTERNET now connects private and public businesses, research and educational institutions as well.

You can use INTERNET to access FEDIX as well as download information. Contact your computer department, library, or other data services person to see if you can access INTERNET at your school. If you can, your information services person will be able to help you log into your local INTERNET access at your school.

To access FEDIX or MOLIS through INTERNET, type: telnet fedix.fie.com. At the login, type 'fedix' to access FEDIX or 'molis' to access MOLIS. The 'WELCOME TO...' screen will appear. Type your USERID (if you have logged in before) or "NEW" if this is your first time.

Q "I Have Forgotten My USERID. What Can I Do?"

A When you are logging in and have forgotten your USERID, type "PRIOR". The system will prompt you for your first and last name and will allow you to logon without your ID. You can also change your ID by accessing the Utility Menu from the Main Menu.

USERS TALK BENEFITS

Users frequently send FIE comments. Here's what they have to say:

"I think you offer a badly needed service especially for people who live in out of the way places like Nebraska. There is really no source of information about minority schools, funds, etc., available here."

"MOLIS is great. I will post some of the things in the Sociology Department and alert some of the graduate students to its existence."

"I have found many announcements relevant to my chem/physics teaching position and to my students. Thanks for letting us make use of your system."

MOLIS SITE VISITS ASSIST USERS

FIE staff increased the number of campuses provided technical assistance. The schools visited included: Dillard University - Tougaloo College - Rust College - Mary Holmes College - Bishop State Community College - Miles College - Jackson State University - Kentucky State University - Bowie State University - Denmark Technical College - Stillman College - Harris-Stowe State College. Campus administrators, faculty, and staff members were trained on the operation of the service and alerted about research, development and education opportunities within Federal agencies.

Comments, suggestions and recommendations were taken from the institutions for improving the effectiveness and integrity of the system in the future.

DataBase Access Telephone Numbers

FEDIX

- (301) 258-0953 Washington Metro Area
- 1-800-25FEDIX Minority Institutions
- 1-800-232-4879 All Others

MOLIS

- (301) 258-5016 Washington Metro Area
- 1-800-62MOLIS All Others

Modem Setup: 8 databits, NO parity, 1 stopbit

INTERNET Address: fedix.fie.com. At the first login type: "fedix" for FEDIX access or "molis" for MOLIS access. At the second login type "your USERID".

If you need further assistance or would like a Free User's Guide, call the HELPLINE at (301) 975-0103.

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David I Nesbit

**Federal
Information
Exchange, Inc.**

A Diversified Information Services Company

UPDATE

Volume 2, Number 1 Jan/Feb 1992

NEWS BRIEFS

HBCU Student Visits FIE

Melony Scott, a senior at North Carolina A&T University, visited Federal Information Exchange, Inc., headquarters during the recent holiday break. The Industrial Engineering honor student searched the MOLIS database for graduate scholarship and fellowship opportunities and searched the FEDIX database for minority undergraduate and graduate opportunities. The Honor student is also the chairperson for a pre-college program initiative sponsored by the Society of Black Engineers in her region.

North Carolina A&T senior engineering student, Melony Scott, logs onto MOLIS during training at FIE headquarters in Gaithersburg, MD.

FIE Databases Help Colleges Compete

Black Enterprises Magazine, the Nation's foremost Black entrepreneurial magazine, featured the FEDIX and MOLIS databases in their recent Affirmative Action Watch section. The article entitled, "Helping Colleges Compete", published in the January 1992 issue, described FIE's databases as a tool minority institutions to compete for millions of dollars from Federal Government agencies.

Advisory Panels to Continue Support

The Federal Advisory Group, representing Federal agencies, and the Institutional Advisory Panel, representing the HBCU and HSI institutions, confirmed their support of the FEDIX and MOLIS on-line services for FY92. Representatives reviewed FEDIX and MOLIS accomplishments and made recommendations on issues regarding the implementation of the database services.

FIE Demonstrates On-Line Services

FIE demonstrated the FEDIX and MOLIS services at the following meetings: Department of Energy University Science & Education Programs, National Institutes of Health, Central Intelligence Agency, National Science Foundation, Small Business Administration, Bureau of Indian Affairs, Ford Foundation, Environmental Technology and Waste Management Consortium, D.C. Public Schools, and Montgomery County Public Schools.

SYSTEM FEATURES

FIE On-Line Services Available on INTERNET

FEDIX and MOLIS on-line services are now available through INTERNET for those using workstations connected to mainframe computers and through a modem for those with a Personal Computer. FIE's INTERNET address is: fedix.fie.com. At the first login type: "fedix" for FEDIX access or "molis" for MOLIS access. At the second login type "your USERID". If you need further assistance call the HELPLINE at (301) 975-0103.

AFOSR, NSA Information Now Available

Research programs, procurement notices, and general agency information is now available on the FEDIX service for The Air Force Office of Scientific Research (AFOSR) and the National Security Agency (NSA).

MOLIS Institutional Information Upgraded

The MOLIS database now provides information on tuition and fees, room and board, and housing on and off campus.

PEOPLE ON-LINE AT FIE

FIE Welcomes New Staff

Richard Hudlin, Ph.D., has joined the FIE staff as a Special Assistant in the program development area. He comes from New York where he was Assistant Dean of Program Development and Research at State University of New York. Previously, Dr. Hudlin was Director of Pre-College Programs at New York University.

Dave Uberig is FIE's new Network Communications Specialist. He will manage and upgrade the FIE network and install networks at client sites. Mr. Uberig's expertise is in Novell network operating systems and microcomputer hardware. He comes from Canada where he was a private consultant.

WHAT PEOPLE SAY ABOUT FEDIX AND MOLIS

Lucy J. Hayes, Division of Staff, at Montgomery County Public Schools writes, "... we are excited about activating MOLIS within our division to enhance our recruitment and contact with African-American and Hispanic colleges and universities."

David L. Stratmon, Sr., Ph.D., Chair, Division of Social Sciences, at Rust College congratulates "both FEDIX and MOLIS for providing a very timely and useful service to HBCUs, which many would not otherwise be able to afford. I scan the menus frequently, and if I see an item I think will be beneficial to a teacher colleague at Rust College, or a student, I copy it and pass it along to the potential beneficiary."

FUTURE PRESENTATIONS

FIE will present and demonstrate the FEDIX and MOLIS services at the following meetings:

- HPBCU Consortium for Hospitality Management Programs Meeting in Orlando, FL on January 7-11, 1992. Clarence Henry, III, FIE Information Specialist, will discuss and demonstrate both services.
- National Association for Science, Technology and Society (NASTS) Technological Literacy Conference in Alexandria, VA on February 6-9, 1992. Patricia DeVeaux, Ph.D., Director of Customer Services, FIE, will discuss and demonstrate the FEDIX and MOLIS on-line services.

WHAT ARE FEDIX AND MOLIS?

FEDIX and MOLIS are dial-up on-line database services providing access to Federal government research and education-related information. FEDIX databases provide

timely information on agency research and education opportunities contacts, scholarships, research opportunities equipment, procurement notices, and minority opportunities. MOLIS databases provide information on Black and Hispanic Colleges and Universities' financial data; research centers, facilities, equipment, pre-college and education programs; emerging capabilities; tuition and fees, room and board, and housing information; and enrollment, degrees awarded, faculty, and administrative personnel data.

PARTICIPATING AGENCIES

Eleven agencies are now participating. They are: Department of Energy (DOE), Department of Commerce (DOC), Department of Education (DOEd), Department of Housing and Urban Development (HUD), National Aeronautics and Space Administration (NASA), Federal Aviation Administration (FAA), National Science Foundation (NSF), National Security Agency (NSA), Office of Naval Research (ONR), U.S. Agency for International Development (AID), and Air Force Office of Scientific Research (AFOSR).

TELEPHONE NUMBERS

FEDIX

- (301) 258-0953 Washington Metro Area
- 1-800-25FEDIX Minority Institutions
- 1-800-232-4879 All Others

MOLIS

- (301) 258-5016 Washington Metro Area
- 1-800-62MOLIS All Others

Modem Setup: 8 databits, NO parity, 1 stopbit

INTERNET Address: fedix.fie.com. At the first login type: "fedix" for FEDIX access or "molis" for MOLIS access. At the second login type "your USERID".

If you need further assistance or would like a Free User's Guide, call the HELPLINE at (301) 975-0103.

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APPENDIX VI

FAARS OVERVIEW

FAARS OVERVIEW

FAARS, the Faculty Applications/Awards Reporting System, simplifies the administration of research offices at colleges and universities. FAARS includes the following modules:

Faculty Profile System (FPS)--Maintains profiles of professional information about faculty members. The information is used to match faculty members with research funding opportunities.

Applications/Awards Reporting System (AARS)--Maintains information about sponsored grant/contract applications and awards. This information enables the user to track the progress of a proposal from submission through final closeout.

ADHOC Report Writer--Produces lists, customized reports or queries that meet the user's specific needs.

With FAARS you can:

- Maintain statistical and professional information on faculty members.
- Match faculty expertise with research opportunities.
- Enter (or create) a new proposal or project.
- Update existing proposal or project information.
- Search for one or more proposals or projects meeting certain criteria.
- Print "standard" reports about proposals or projects.
- Define, display and print ad hoc reports.
- Delete obsolete proposals or projects.
- Upload information to the MOLIS online system

APPENDIX VII

MOLIS MENU SCREENS

The following pages depict the MOLIS menu screens:

	MOLIS	HELPLINE
MENU [MAIN]	ON-LINE INFORMATION SERVICE	(301) 975-0103

MAIN MENU

- 1 - Minority Institutional Information [MI]
 - 2 - Scholarships/Fellowships [SC]
 - 3 - Annual Federal Plans of Assistance [AF]
to HBCUs
 - 4 - Quality Education for Minorities [QM]
(QEM) Network
 - 5 - 1993 Federal Summer Jobs [SJ]
 - 6 - Utility
 - 7 - Mail

 - 0 - Exit System (Logoff)
-

MOLIS	HELPLINE
MENU [MI] ON-LINE INFORMATION SERVICE	(301) 975-0103

Minority Institutions

1 - List Institutions	[PI]
2 - Current Events	[CE]
3 - Research Centers/Facilities/Equipment	
4 - Search Grant/Contract Activity	
5 - Search Institution Information	
6 - Search Faculty Profiles	
7 - Search Student Profiles	
0 - Exit System (Logoff)	
-

MOLIS	HELPLINE
MENU [PI] ON-LINE INFORMATION SERVICE	(301) 975-0103

Detailed List of Pilot Institutions

- 1 - List Historically Black Colleges & Universities
 - 2 - List Hispanic-Serving Institutions
 - 3 - Search by Institution Name
 - 4 - Search by State

 - 0 - Exit System (Logoff)
-

MOLIS **HELPLINE**
MENU [SC] ON-LINE INFORMATION SERVICE (301) 975-0103

**DATE
FILMED**

9 / 9 / 93

END