COLUMBUS, Ohio -- Eight Ohio State University faculty members and one student were presented Ameritech Foundation Awards June 6 by Roy A. Koenigsknecht, dean of the Graduate School and administrator of the program.

Of the nine awards given, three were $20,000 Ameritech Faculty Fellowships to support research on public policy and telecommunications. Also awarded were five $1,500 Ameritech Prizes to recognize "excellence in teaching, research, practice and public service in the general area of communications" and one communications student fellowship.

The Ameritech Foundation Awards are funded through a five-year, $500,000 commitment made last year by Ameritech to Ohio State to support research on public policy and telecommunication regulations. Ohio State is one of 10 universities receiving such funding from the Chicago-based foundation.

Michael E. Kuhlin, Ameritech Foundation director, said, "When we were looking for an appropriate project to fund through our foundation, we decided that outstanding teaching and research are important components -- Ohio State demonstrates both. The Ameritech Foundation Awards are designed to maintain and enhance such faculty leadership."
The 1988-89 Ameritech Foundation Faculty Fellows are Joseph M. Foley, 4898 Sharon Ave. (43214), professor of communication; Jean-Michel Guldmann, 227 Sinsbury N. Drive, WORTHINGTON (43085), professor of city and regional planning, and Sven B. Lundstedt, 197 Riverview Park (43214), professor of public administration.

Foley will focus on the topic "Opening the Telecommunication Market Place: An Analysis of the Dynamics of the Policy Debate." Guldmann's topic is "Economics of Scale and Productivity Growth in Local Telephone Systems: A Cost Function Approach," and Lundstedt, a second-year award winner, is working on a project on "International Trade Negotiation in Telecommunications."

Winners of the 1988 $1,500 Ameritech Prizes are:

--Stephen R. Acker, 171 Olentangy St. (43202), associate professor of communication.

--Raymond W. Lawton, 3845 Schirtzinger Road (43220), associate director, National Institute for Regulatory Research.

--Howard P. Marvel, 4305 Waybourne Road (43220), professor of economics.

--Harold J. Moellering, 1575 Lafayette Drive (43220), professor of geography.

--Charles Reilly, 1607 Rayne Lane (43220), assistant professor, industrial and systems engineering.

In addition, an Ameritech Graduate Student Fellowship was awarded to Ramah Hashim, a doctoral candidate in the Department of Communications. The fellowship supports Ph.D. students during the dissertation year of doctoral studies.

Ameritech initiated the awards program last year with two faculty fellowships. Lundstedt received support for research on
international trade negotiation in telecommunications and for a
ten-week telecommunications roundtable. Clark A. Mount-Campbell,
associate professor of industrial and systems engineering,
received a fellowship to study the telecommunications market
structure and various ways of pricing telephone service.
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Contact: Paul D. Isaac, associate dean of the Graduate School,
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(Beth/94)
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Ameritech Advisory Committee 1991

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REPORT FROM THE DEAN

In 1987, through the receipt of a five-year, $500,000 grant from the Ameritech Foundation, The Ohio State University insti-
tuted the Ameritech Fellowship Program in Telecommunications. During the past four years, the impact of this award on
the teaching, research and service mission of the University has surpassed all expectations.

The program has generated a substantial volume of research. It has had a significant effect on the caliber and
quality of teaching, and it has generated an impressive net-
work of contacts among academics, industry personnel, and
government officials in telecommunications.

As administrator of the Ameritech Program at Ohio State, it has been very gratifying to witness the enthusiastic
college response to the research opportunities created by the program. Faculty members
already engaged in telecommunications research have been recognized for their work
through Ameritech Prizes. Others have received Ameritech Faculty/Research Fellowships
to pursue innovative and compelling studies in a vast array of telecommunications areas.

The diversity, quality, and caliber of telecommunications research on this cam-
pus has never been greater. Graduate students have also been able to make their own contri-
butions to telecommunications scholarship as Ameritech doctoral fellows, prize
winners, or as research assistants to faculty fellows.

In addition to being an important research catalyst, the Ameritech Fellowship
Program provided the impetus to establish the Ohio State Center for Advanced Study in
Telecommunications. CAST has proved to be a focal point and information center for tele-
communications activity on campus, and it is a recognized point-of-contact for industry
officials and academics across the nation.

The Ameritech Foundation is to be commended for its foresight in creating the
Midwestern Fellowship Program. It has enabled comprehensive institutions like The Ohio
State University to capitalize on unique strengths as research centers and make landmark
contributions to the study and understanding of telecommunications.

Roy A. Konomi-Schaefer
Dean of the Graduate School
Overview: The Ameritech Fellowship Program

In 1987, the Ameritech Foundation awarded a five-year grant of $500,000 to the Ohio State University to create the Ameritech Fellowship Program. The program’s goals were two-fold: to enrich and enlarge the University’s ongoing telecommunications research and educational endeavors, and serve as a catalyst to bring faculty of diverse disciplines into telecommunications research, both individually and collaboratively.

The program, administered through the Graduate School and Dean Roy Koenigsknecht, focused on three central theme areas of particular interest to the Ameritech Foundation:

- Addressing public policy telecommunications issues.
- Stimulating the Great Lakes economy.
- Enabling telecommunications to add value to society.

During the first years of the Program, Ohio State emphasized a public policy theme, with proposals awarded to fund research on topics ranging from International Trade Negotiations in Telecommunications, to a study of the Market Structure and Implications for Regulatory Policy. In subsequent years, the program expanded to cover related research areas, most notably technology, infrastructure and policy issues, user behavior, and economic development.

The Ameritech Fellowship Program was designed with three major components to foster and recognize significant contributions in telecommunications research and education. Annual campus-wide competitions were conducted to select Ameritech Faculty/Research Fellows, Ameritech Prize recipients, and Ameritech Graduate Fellows within the theme areas selected by the Ohio State Ameritech Advisory Committee. Each year of the program, three to five faculty members were named Ameritech Faculty/Research Fellows and awarded research grants through a competitive proposal process. Ameritech prizes of $5,000 each were also awarded annually to three to five faculty and graduate students selected for meritorious contributions to research, scholarship, education, or practice within the theme areas of telecommunications.

In both spirit and execution, the program’s impact was significant. In 1988, a significant and prolific set of research papers were published, reflecting the breadth and depth of the program’s activities. The program’s success was measured not only by the quality of the research produced, but also by the number of Fellows and the impact of their work on the telecommunications industry and society at large.

SVEN LUNDSTEDT
Professor, Public Policy and Management
College of Business
Ph.D., University of Chicago
Ameritech Faculty/Research Fellow

As one of the primary shapers of the scope and direction of Ohio State’s Ameritech Program, Professor Sven Lundstedt applied significant expertise in international business and public policy to create the first Ameritech Telecommunications Roundtable in 1988. By bringing together key figures in government, industry, and the non-profit sector from throughout the nation to explore telecommunications issues, he generated new interdisciplinary research activity on campus that still flourishes today.

“I felt the roundtable would create a campus-wide learning experience focused on telecommunications that would bring diverse people together, and the outside presenters would serve as catalysts,” he said. “The result of the roundtable was much more creativity and productivity on the part of the faculty than we could have generated with anything else.”

Beyond the meeting of the minds, the roundtable also resulted in the 1990 publication of the book Telecommunications: Valuing Public Interest, which was a compilation of the papers and research produced by roundtable participants.

“Using this book as a vehicle, we focused on the integration of three main issues related to telecommunications,” he said. “These were the role of government and business and the values of telecommunications. We explored the ‘why’ behind the action.”

“What I wanted to point out in the book is that the value framework of telecommunications is exceedingly complex and ranges across many disciplines, from privacy issues to how we put satellites into space,” he said. “The march of technology is so rapid that it has outdistanced some of the value positions of government regulators.”

During his Ameritech fellowship, Dr. Lundstedt also conducted research focused on international trade negotiations in telecommunications. He surveyed numerous telecommunications officials on the subject of inter-system negotiation and attended several international trade negotiation sessions as an observer.

“We are at a critical time in the history of telecommunications in this country,” he said, “and few initiatives other than one such as the Ameritech Program could have fostered the kind of research and collaboration that now exists at Ohio State.”
Prior to joining Ohio State's faculty in 1987, Frank Darr served as Assistant Attorney General for the State of Ohio. It was in this capacity, after handling two deregulation cases before the Ohio Supreme Court, that he developed a strong interest in the relationship between politics and regulatory policy.

He was awarded an Ameritech Faculty Research Fellowship to further study the deregulation of telephone services in Ohio, culminating in a published paper in the Akron Law Review. The work included a legal analysis of the interplay between legislative regulatory direction and case law involving questions of federal preemption.

According to Professor Darr, it is the first published research in the country that presents a legal analysis of a state's deregulation of telephone services. Most current research in the area is focused solely on federal level deregulation of telephone services, he said.

"The major finding of the study was that despite the microeconomic overlay that has driven the regulatory process, it still operates within a political system that can limit or restrict the commissions, courts, and legislatures from playing out economic theory," he said. "This theme pervades the research. I also looked at the affects of deregulation on spacial groups such as the rich versus the poor, and urban versus rural residents to analyze how policy choices have an impact on groups."

According to Professor Darr, his research would not have been possible without the support of the Ameritech award, as it provided not just the opportunity to pursue research in this area, but to devote two academic quarters to the project.
Jean-Michel Guldmann

Professor, City and Regional Planning

College of Architecture

Ph.D., Israel Institute of Technology

Ameritech Faculty/Research Fellow 1988-89

With a specialization in electric and gas utilities, Professor Jean-Michel Guldmann has always had a vivid interest in a range of telecommunications issues. After receiving an Ameritech Fellowship in 1988, he shifted his research focus to the study of the economies of scale and productivity growth in local telephone companies.

It was a natural transfer of ideas from one field to another, Professor Guldmann said, and it allowed him to break new ground in findings and publications.

Part of his work addressed the issues challenging industry and regulatory players alike — namely, whether local phone systems should continue to be viewed as monopolies given the accelerating changes in technology.

This issue, with its implications for universal service maintenance, has been a prominent one as the industry’s structure for the future is considered. “The most revealing piece of information I formulated through research is that local telephone companies rapidly exhaust their economies of scale and that runs counter to the general opinion,” he said. “That was a very unexpected finding.”

With the wealth of data he acquired during his fellowship, Professor Guldmann hopes to design a course in telecommunications economics and planning at Ohio State. “I’ve accumulated quite a bit of knowledge and the Ameritech Fellowship was very valuable in making it possible to do research I couldn’t have done otherwise.”
David Collier

Associate Professor, Management Science
College of Business
Ph.D., The Ohio State University
Amerech Faculty/Research Fellow, 1989-1990

David Collier has spent much of his academic career investigating and researching service quality — how it is measured, the relationship between internal and external measures of quality, and its impact on business performance. As an Amerech Fellow awarded a grant to study service quality in the telephone industry, he posed an important question: How do managers collect, integrate, and coordinate diverse sets of data to make the best business decisions and contribute to economies?

Using various data bases and information from interviews with telecommunications managers in the Midwest, Professor Collier isolated and identified which performance factors are a good basis for decision making and which ones aren’t.

"I concluded that many companies don’t know what performance measures to key off of the telecommunications industry, mainly as a result of the intense regulatory environment they operate in," he said. "Telecommunications managers have a difficult time judging what performance criteria are useful, and the regulatory environment contributes to this," he added.

According to Professor Collier, the Amerech Fellowship research helped him understand in more depth certain aspects of internal and external service quality. He is now incorporating these ideas in a book currently underway titled "Service Quality Challenges: His attention to telecommunications service issues was a departure from his usual concentration in banking and other financial service businesses.

The grant was highly instrumental in motivating this research in telecommunications and moving outside my previous specialty," he said. Two papers resulted from the study as well: "Interlinking Service Quality Performance in the Telecommunications Industry," and "Telephone Repair Service Performance: Interlinking Customer Perceptions with Operational Performance."
policy issues as well as a practical illustration of the possibilities and limitations of using teleconferencing and videoconferencing as teaching tools.

Another Aventech prize recognized the development of videoconferencing programs that provided distance education to mass audiences. This project explored the effectiveness of broadcasting agricultural information to improve economic conditions in rural Ohio.

Ohio State graduate students have also served as research assistants in the series of telecommunication roundtables, conferences, and symposia made possible by Aventech funds. As these students assume faculty posts in public and private colleges and universities across the nation, they will carry these Aventech program experiences with them, strengthening telecommunications programs in a variety of institutions.

Many indirect benefits to the teaching mission of Ohio State also resulted from the Aventech awards. Faculty who received research fellowships in many cases translated their experiences into useful classroom enhancements. Their comments summarize the active dynamism in play between scholarship and teaching.

"I have been integrating the study of telecommunications policy issues into the classroom," — faculty member in the College of Engineering.

"It has allowed me to approach the issues of curriculum development with a much better understanding of the types of telecommunication concerns which need to be developed in our communication program,"
 — faculty member in the Department of Communication.

"The Aventech Prize encouraged me to bring insights from research directly into my teaching — particularly portions of Mass Communications Law concentrating on technical innovation,"
 — faculty member in the School of Journalism.

I feel that the knowledge I gained through this project should be sufficient to develop a course on 'Telecommunications Economics and Planning,' — faculty member in the Department of City and Regional Planning.

CLARK MOUNT-CAMPBELL
Associate Professor, Industrial Systems Engineering
College of Engineering
Ph.D., University of Illinois
Aventech Faculty Research Fellow 1987-1988

When Clark Mount-Campbell was awarded an Aventech grant to pursue work in price regulation, he had just completed a major descriptive study of the demand and usage of telecommunications for the Public Utilities Commission of Ohio. With an enormous data base to draw from as result of the PUOC study, Professor Mount-Campbell was able to carry the project a step further with Aventech funding. He received a fellowship for "An Empirical Study of Market Structure and Its Implications for Regulatory Policy."

Using a large sample of residential and business users' telephone usage records, Professor Mount-Campbell analyzed alternative forms of price control applied to telephone services in a 'social contract' setting for telecommunications regulation.

Prices that could result under hypothesized policy were estimated and their differential effects on demographic groups and customer classes were identified and analyzed. Given the importance of infrastructure to a region's economic development, such concerns are vital, according to Professor Mount-Campbell. The regulatory environment under which telecommunications facilities are developed and operated can greatly affect whether or not the providing companies will flourish, he added.

"I carried the type of regulatory policy at a time when the FCC was looking at new ways to regulate price caps for long distance services," he said. "I was convinced the FCC model was broad and flexible enough to regulate local telephone service without strange things happening to prices."

"As a result of the Aventech sponsored research we developed a non-econometric method to do this kind of policy analysis using readily available data."
DOUGLAS N. JONES

Director, National Regulatory Research Institute
Professor, Public Policy and Management
College of Business
Ph.D., The Ohio State University

As faculty chairperson of the Ohio State Amatech Advisory Committee, Douglas Jones has played a pivotal role in creating a campus-wide network of telecommunications researchers and scholars at Ohio State. The Amatech Program has been invaluable in generating visibility and recognition for faculty members pursuing telecommunications-related activities, according to Professor Jones. This, in turn, has generated increased participation in the program from scholars throughout the campus.

"Until the advent of the Amatech Program at Ohio State, there was limited involvement here of outside scholars in telecommunications research, including at the National Regulatory Research Institute," Professor Jones said. "The Institute conducts about $750,000 in contract research annually in telecommunications and public policy. In addition to the full-time NRRI staff, only about 3 faculty members each year were associated with NRRI telecommunications research projects," he added.

The impact of the Amatech Program in widening this circle of scholars has been immense, he added. "It has been diffuse and diverse and spread like ripples in a pond," he said. "The program created a condition where those with an interest in telecommunications could flourish."

In addition to serving on the Amatech Advisory Board, Professor Jones oversees a wide range of operations at the NRRI, including research, training, and technical assistance related to national and regional public utilities regulators. NRRI research focuses mainly on current telecommunications policy, such as plant modernization, rate design, profitability and the changing structure of the industry, and deregulation.

Impact On Service

The service functions of the University have likewise been enhanced by the Amatech Program and parallel projects that have grown out of it, most notably the Center for Advanced Study in Telecommunications (CAST), founded in 1988, through a seed grant from the Ohio Bell Foundation. CAST is now an academic center focused on technical, economic, social, and educational issues in telecommunications.

The center’s mission includes coordinating research in the many fields incorporating telecommunications, serving as a forum to examine state, national, and international telecommunications issues, and serving as a major resource for academia, the industry, and government. Through short courses, seminars, workshops, and publications, CAST continually provides significant linkages between all sectors of the telecommunications industry.

Some 750 people have been reached by the eight CAST symposia on topics ranging from "Price Cap Regulation," to "Telecommunications as Competitive Advantage," to "Security Policy and the Law Applying to Telecommunications Networks."

A large proportion of the attendees at CAST symposia are from industry, government, and other academic institutions. In addition, CAST now regularly disseminates information on the current literature and events in the field in its two publications, the "CAST Calendar," and Communication Booknotes, the latter being a respected abstracting service which reviews current literature in telecommunications.

CAST in its own right has become a respected center of telecommunications activity, as evidenced by comments from symposia attendees and subscribers to its publications.

"Using CAST as a clearinghouse for information and a meeting ground for public and private universities across various disciplines is an excellent idea," — faculty member at an Ohio college.

"The knowledge I gained has been invaluable in helping me design the course which I will be offering," — Ohio college faculty attendee at a Summer Symposium on Telecommunications Curriculum.

"You did an outstanding job of bringing together professionals from the appropriate disciplines to shed light on all the aspects of security and privacy.
Brenda Dervin’s work focuses on the design of user-oriented communication systems and for the last 20 years she has concentrated on developing a methodology for studying user perceptions, needs, and assessments. During her Ameritech Fellowship, Professor Dervin initiated a research project entitled: “Experiencing the Telephone from the Eye of the Beholder: A Needs Assessment of Telecommunication Users in Urban versus Rural Settings.”

“I chose this particular topic because a review of the literature on users of telecommunication systems showed that very few studies had been done that could genuinely be called user-oriented,” Professor Dervin said. “The issue of how rural versus urban telecommunication users differ is one clouded in the literature with stereotypes and myths and little hard evidence.”

During the course of the research, Professor Dervin, assisted by 10 graduate and 20 undergraduate students, assembled a rich body of qualitative data from nearly 300 respondents randomly selected from across Ohio. The data includes comments about the phone in the actual words of the users in the study.

“We aren’t done with our analysis yet, but we now have the largest, most complete body of data from the perspective of users on how they see themselves thinking about and using the phone,” Professor Dervin said. “We have coupled the qualitative data with sophisticated quantitative methods,” she added. “Our study is at the cutting edge because it will challenge many current conceptions about phone users.”

“Doing this study would not have been possible without the Ameritech Fellowship,” she said. “The innovative nature of the project required the kind of flexible responsiveness the Ameritech Program has allowed.”

Professor Dervin is now compiling the results of the study in a book to be entitled: Telecommunication in the Eyes of the Beholder: A Study of User Perspectives, Needs, Definitions, and Future Policy Implications.

**Brenda Dervin**

Professor, Communication  
College of Social and Behavioral Sciences  
Ph.D., Michigan State University  
Ameritech Faculty/Research Fellow, 1990-1991
THOMAS MCCAIN
Professor, Communication
Ph.D., University of Wisconsin at Madison
Co-Director, CAST

STEPHEN R. ACKER∗
Associate Professor, Communication
Ph.D., University of Utah
Amstel/Priester V. W., 1988-89

In 1988, with partial funding from the Ameritech Program, Professors Thom McCain and
Stephen Acker organized the world’s first global interactive telecommunications graduate
seminar that literally bridged oceans.

The 10-week course in comparative telecommunications policy brought together
16 students at Ohio State and 15 at the Victoria University of Wellington, New Zealand. It
was jointly taught by Professor McCain, based in Columbus, Ohio, and Professor Acker,
who was based in New Zealand during a sabbatical.

The two professors organized the course mainly to investigate questions about
differences in communications systems, such as how public or private ownership serves
society’s interests. It was also created to explore and test out the technology necessary for
an interactive class with students who were half a world apart, according to Professor
McCain.

The students engaged in weekly telephone conference calls, exchanged video-
tapes, and corresponded through electronic mail. The satellite videoconference that was
the crowning point of the course was the real test for the organizers’ technical abilities,
Professor McCain said.

“We did a double hop to get over the horizon using a U.S. domestic satellite and
an international satellite,” he said. “We had the WOSU Studio and used the transmission
facilities of the Ohio Educational Broadcasing Network in Columbus and the Avalon
Studio and Telecom Corporation in New Zealand. We connected microwave and fiber optic
handshakes. ‘The signal passed through 16 exchanges.’

The two faculty members learned much from the course that they plan to use in
organizing a telecommunications network for colleges and universities in the United
States. Professor McCain, who also serves as Co-Director of the Center for Advanced Study
in Telecommunications, said researchers are working on a glass-fiber network to link
Ohio’s public and private colleges and universities with video, audio, and telephone com-
munications for collaborative research.

“With this project we learned the value of partnerships, both academic and cor-
porate, to do long-distance learning,” McCain said.
The Ohio State University
Ameritech Fellowship Program

FINANCIAL STATEMENT

Expenditures

Ameritech Faculty Fellows .......................................................... $189,062

Ameritech Graduate Fellows ....................................................... $13,530

New Zealand Project .................................................................. $11,380

Roundtable/Symposia ................................................................ $24,123

Advertising/Publicity .................................................................. $1,997

Travel .......................................................................................... $18,248

Ameritech Prizes ......................................................................... $25,300

Endowment Fund ........................................................................ $80,000

Funds Carried Forward to 1991-1992 ........................................... $36,860

Total ........................................................................................... $400,000

Ameritech Faculty/Research Fellows

1987-1988
2 Awarded

Dr. Sven Landstedt, Professor Public Policy and Management, International Trade Negotiations: Telecommunications and American Environment: Values and the Public Interest - $25,000
And the Ohio State University/Ameritech Research Program: Telecommunications, Values and the Public Interest.

Dr. Clark Mosel-Campbell, Associate Professor, Industrial and Systems Engineering, "An Empirical Study of Market Structure and the Implications for Regulatory Policy" - $25,000

1 Awarded

Dr. Joseph M. Foley, Professor, Economics, "Opening the Telecommunications Marketplace: An Analysis of the Dynamism of the Policy Debate" - $20,000

Dr. John Michael-Gollin, Professor, City and Regional Planning, "Economics of Scale and Productivity Growth in Local Telephone Industry and Regional Systems: A Cost Function Approach" - $25,000

Dr. Joan L. Lankford, Professor, Public Policy and Management, "International Trade Negotiations in Telecommunications" - $25,000

1 Awarded

David A. Coker, Associate Professor, Management Science, "The Relationship Between Service Quality and Public Policy for Long-Distance Telephone Services" - $25,000

Frank P. Dier, Assistant Professor, Finance (Business Law), "Regulation of Telephone Services in Ohio: A Legal Analysis of Amended Subdivision House Bill 154 Under Current and Expected Market Conditions" - $15,000

Dr. Robert Sarno, Assistant Professor, Communication, "A Study of Public Impact of Transaction: Identifying Information in the Telecommunications Industry with Special Reference to the Federal Communications Commission" - $20,000

Dr. Hughie Donahue, Assistant Professor, Journalism, "The Public Interest in Emerging Telecommunications Infrastructure: Beyond Content vs. Conduct" - $15,000

Dr. David Landesman, Assistant Professor, Public Policy and Management, "Joint Network Planning: The Problem of Establishing Technical Standards" - $10,000

Dr. Todd G. Newton, Associate Professor, Public Policy and Management, "Competition in Telecommunication Between the United States and Japan" - $10,000

1991-1992
3 Awarded

Dr. Stephen Ackar, Associate Professor, Communications, "An Electronic Forum for HEPF, Policy Policy, Employment, Trade, Education, Architecture, and Media Considerations" - $15,700

Dr. Lee Becker, Professor, Journalism, "Teaching Work for the Information Economy: Expanding U.S. Policy Options Based on Western European Models" - $15,000

Ameritech Prizes

1987-1988
Note Awarded

Dr. Stephen A. Ackar, Associate Professor, Communication, "Research into how to design communication technologies and systems to be responsible, by means of 'socially open' architectures.

Dr. Raymond V. Lawton, Senior Research Associate, National Regulatory Research Institute for research dealing with modernization efforts of traditional telephone companies.

Dr. Howard M. Feller, Associate Professor, Economics, "For research on an antitrust policy and its application in the wake of the Bell System divestiture.

Dr. Harold Morell, Professor, Geology, "For research and leadership in the development of the U.S. Proposed Standard for Digital Cartographic Data.

Dr. Charles H. Irby, Associate Professor, Industrial and Systems Engineering, "For developing a computer optimization procedure yielding optimal or near-optimal positions for satellites.

1989-1990
4 Awarded

Dr. Hugh C. Donahue, Assistant Professor, Journalism, "The Public Interest in Emerging Telecommunications Infrastructure: Beyond Content vs. Conduct" - $15,000

Dr. Alan O’Connor, Assistant Professor, Communication, "For authorship of two books, "Epigraph" by18,000, "Abridged" by 10,000, and "Signs" by 15,000.

Dr. William P. Mallard, Senior Research Associate, National Regulatory Research Institute. "For research in support of a reduced and improving full-distributed costing systems in telecommunications.

1990-1991
4 Awarded


Ms. Peter Shields, Doctoral Student, Communication, "For outstanding contributions to the telecommunications research and conference activity campus, primarily through his work with CORD and the faculty of the Department of Communication.

Dr. Larry Whiting, Professor,OECD Administration, "For design and implementation of videoconferencing programs on agriculture and rural America."
Ameritech Graduate Research Fellowships
1990-1991

Publications and Activities
Publications
Foley, Joseph M., "Competition, Monopoly and the Public Interest, Mass Communication Policy Issues in the Debate over Telephone Company Entry into Cable Television." (Under review by Journalism Association of America).
OHIO STATE FACULTY RECEIVE AMERITECH FELLOWSHIPS

COLUMBUS -- Ten faculty members from the Ohio State University received fellowships in the 1996 Ameritech Foundation Faculty Fellowship competition.

The faculty members will share part of a five-year, $1 million grant from the Chicago-based Ameritech Foundation to the university. The Graduate School holds the annual competition to promote the use of telecommunications research to solve problems in the areas of health, education, business, and the international sector.

Susan Huntington, vice provost and dean of the Graduate School, recently hosted an awards luncheon where she recognized the winners.

"These fellowships are really timely because Ohio State University and the whole state of Ohio are very actively looking at major developments in telecommunications," said William A.T. Clark, associate dean of the Graduate School. "This grant from

- more -
Ameritech enables Ohio State to stimulate some faculty interest and activity in this area."

The following faculty and staff members received Ameritech fellowships:

Dale E. Brashers (COLUMBUS 43215), assistant professor of communication, will receive $16,495 for his project "Access to Illness and Treatment Information for Persons with HIV or AIDS." Brashers and his collaborators will design a World Wide Web site to disseminate critical HIV and AIDS information, and study how people make use of the site.

Nancy Chism (COLUMBUS 43214), director of the Center for Faculty and TA Development, will share an award of $28,755 with Egondu R. Onyejekwu (COLUMBUS 43220), director of emerging technologies, and Barbara Szabo (COLUMBUS 43202), graduate research associate, both of University Technology Services. The three will explore "Faculty Use of Electronic Mail in Teaching" - how Ohio State faculty use e-mail for interactive class discussions and what problems they encounter.

K. Michelle Gailiu (UPPER ARLINGTON), creative director for educational television in the College of Medicine's Center for Continuing Medical Education, will share an award of $28,000 with Roy St. John (WORTHINGTON), clinical associate professor of medicine, and Hajop Mekhjian (UPPER ARLINGTON), associate dean of Health Services Administration, for the project "Telemedicine’s Effectiveness in Providing Health Care: A clinical Research Study." The study will compare the quality of remote medical examinations via electronic media to that of traditional face-to-face patient/physician encounters, and focuses on lung conditions such as chronic obstructive pulmonary disease and asthma.

Jean-Michel Guldmann (WORTHINGTON), professor of city and regional planning, will receive $9,198 for his project "Modeling the Interactions between International Telecommunications and Trade Flows." Guldmann will investigate whether a country's utilization of communications technology boosts its level of international trade.

Raj Jain (UPPER ARLINGTON), professor of computer and information science, will receive $21,174 for his "Proposal for Research on multimedia over ATM Networks." The project will focus - more -
on the development of a technique for scheduling the timely flow of video data over a new kind of high-speed computer network.

Renee J. Miller (COLUMBUS 43201), assistant professor of computer and information science, will receive $30,169 for her project "Managing Multimedia Medical Data." Miller and her colleagues will develop an electronic repository of patients' case histories that unites movies, sound clips, and digital images such as x-rays and MRIs with the results of diagnostic lab tests. Ohio State will then use the multimedia repository to educate medical students.

Gregory Washington (COLUMBUS 43228), assistant professor of mechanical engineering, will receive $29,915 for his project "Proof of Concept Study of Smart Aperture Antennas." Washington and his colleagues will design new satellite-dish antennas out of light and flexible materials that change shape, allowing the antennas to perform different functions.

To date, Ohio State has awarded more than 30 Ameritech Fellowships, which have supported research in disciplines as diverse as education, engineering, medicine, and business.

Contact: William A.T. Clark, (614) 292-6031; Clark.31@osu.edu

Written by Pam Frost, (614) 292-9475; Frost.18@osu.edu