COLUMBUS, Ohio -- Ohio State University's 1986 Battelle Endowment for Technology and Human Affairs Lecture Series will begin Oct. 7 under the theme "Dialogues on Arms Control and Defense Strategy."

The four lectures in the series will consider the record on arms control, the need for nuclear testing, the future of NATO, and the merits of the Strategic Defense Initiative, or "Star Wars" program.

Each program will feature two nationally known speakers representing different perspectives on the topic. The lectures will be free and open to the public.


The two speakers for each lecture will give individual speeches in an informal debate style. The lectures will be taped by WOSU-TV and will be distributed to other public television stations nationwide.

The series is funded by the Battelle Endowment for Technology and Human Affairs. It's sponsored by the Mershon Center and organized by Charles F. Hermann, director of the center, and

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Joseph Kruzel, associate professor of political science and the Mershon Center.

Following are details on the four lectures:

Oct. 7 -- "The Arms Control Record: Success or Failure?"

The speakers will be Paul Warnke, former director of the U.S. Arms Control and Disarmament Agency in the Carter administration; and Edward Luttwak, author and senior fellow at the Center for Strategic and International Studies, Georgetown University, Washington, D.C. The lecture will be held at 8 p.m. at Weigel Hall, 1866 College Road.

Oct. 23 -- "The Comprehensive Test Ban: Should the United States and the Soviet Union Agree to Stop All Nuclear Weapons Testing?"

The speakers will be George Rathjens, a professor of political science at the Massachusetts Institute of Technology who has written on the feasibility and implications of the Strategic Defense Initiative; and Harold Agnew, physicist and former head of the National Weapons Laboratory, Los Alamos, N.M. The lecture will be held at 8 p.m. at Weigel Hall.

Nov. 5 -- "The Future of NATO: Should the United States Reconsider its Commitment?"

The speakers will be Sen. Sam Nunn, ranking Democrat on the Senate Armed Services Committee; and Theo Somer, editor of "Die Zeit," a major West German news magazine. The lecture will be held at 8 p.m. at Weigel Hall.

Nov. 21 -- "The Future of SDI: Should We Go Ahead with the Star Wars Program?"

The speakers will be Richard L. Garwin, IBM fellow at the Thomas J. Watson Research Center, who serves as consultant to the U.S. government on matters of military technology and arms control; and Lt. Gen. James Abrahamson. The lecture will be held at 8 p.m. at Battelle Auditorium, 505 King Ave.

Contact: Charles F. Hermann, (614) 422-1681, or Joseph Kruzel, 422-9701.

Written by Jeff Grabmeier.
Sen. Sam Nunn of Georgia will meet with reporters on
Wednesday (11/5) at 5:30 p.m. in room 202 of Bricker Hall, 190 N.
Oval Mall. Nunn will be in Columbus to speak as part of a
lecture series on arms control and defense strategy.

Nunn and Theo Sommer, editor-in-chief of Die Zeit, one of
West Germany's most influential newspapers, will debate "The
Future of NATO: Should the United States Reconsider Its
Commitment?" on Wednesday at 8 p.m. in Weigel Hall Auditorium,
1866 College Road. The lecture will be free and open to the
public.

Nunn is the ranking Democrat on the Senate Armed Services
Committee and is one of the Senate's leading authorities on
national security issues. He is co-chairman of the Senate
observers group at the U.S.-Soviet arms control talks in Geneva
and has played a leading role in spurring NATO to increase its
level of readiness. (Sommer will be unable to meet with
reporters prior to the lecture because he will arrive on campus
too late in the day.)

The lecture is the third in the 1986 Battelle Endowment for
Technology and Human Affairs Lecture Series organized by
Professors Joseph Kruzel and Charles F. Hermann for Ohio State's
Mershon Center. The last lecture in the series will be Nov. 21
at 8 p.m. in Battelle Auditorium, 505 King Ave., and will feature
Air Force Lt. Gen. James A. Abrahamson, director of the Strategic
Defense Initiative Organization for the Defense Department, and
Richard L. Garwin, a consultant to the government on military
technology and arms control. They will debate "The Future of
SDI: Should We Go Ahead with the Star Wars Program?"

For more information, contact Joseph Kruzel at 292-9701 or
Charles Hermann at 292-1681.
Seminars will examine toxic waste

By Robert Gelchion

"Technology and the Environment," a series of seminars during spring quarter, will examine the problems of toxic waste and pollution.

The sessions are designed to better inform students, teachers and the public about the problems of toxic waste and its impact on ecosystems. Seminars will be held from 7-9 p.m. Thursdays from March 30-June 1 at the Fawcett Center. A special session is scheduled from 9 a.m. - 9 p.m. June 3.

The seminars will cover: legal issues; the use, production and distribution of toxic waste; the moral and ethical considerations in the use of toxic substances; the disposal of toxic waste and its impact on the Third World; and energy production, pollution, acid rain, strip mining and other issues of technology and environment.

The seminar is part of the Battelle Endowment for Technology and Human Affairs Seminar Series. It is also sponsored by the colleges of Pharmacy, Biological Sciences (departments of Zoology and Entomology) and Education. The sessions are free and open to the public.

About 35 lecturers from industry, government, universities and environmental organizations will speak at the sessions.

Ohio State students can earn three hours of academic credit for the seminar if they include it in their spring quarter class registration.
TELELITERACY:
LITERACY, VALUES AND TELECOMMUNICATIONS

For several centuries, print culture has been of central importance to Western societies. Access to meaning through the written word has been one of the most important routes to personal, social and political empowerment. At present we are in the throes of a profound transformation toward new types of literacies as the result of the confluence of the electronic communications media of television, interactive networks and computer graphics. The specific forms that this transformation will take, and the groups of people whom it will empower or affect detrimentally, will depend on the ways that access to (that is, literacy in) such technologies is controlled.

The lecture series will explore a variety of literacies required by or made possible by modern telecommunications, the social assumptions embedded in them, and their impacts on our values as individuals and as a society. These include traditional literacy and numeracy, "pictoriality" (image literacy), literacy in the critical use of television, computer interactions including scientific visualization and questions of personal identity, and the "audiovisual literacy" of empowerment through access to telecommunications media and information.

The lecture series is designed for the general public and all those interested in the impacts of the new technologies on our society.

Sponsored by the Battelle Endowment for Technology and Human Affairs

Tuesday, 3 April 1990: THE DEFINITIONS AND MEANINGS OF PRINT LITERACY
Speaker: Brian Stock, Pontifical Institute of Mediaeval Studies and University of Toronto
"Literacy and Values: Then and Now"
Moderator: Marilyn Waldman, History and Comparative Studies, OSU

Thursday, 12 April 1990: VALUES OF TELEVISION AND VIDEO MANIPULATION
Speaker: John Fiske, University of Wisconsin--Madison
"Teleliteracy and the Conditions of Reception"
Speaker: Lawrence Grossberg, University of Illinois--Urbana-Champaign
"The Discipline of Culture and the Technologies of Discipline ("It's Hard to Be a Saint in the City")"
Moderator: Ojo Arewa, Anthropology, OSU

Thursday, 19 April 1990: "PICTORIACY" (IMAGE LITERACY) AS BRIDGE BETWEEN MEDIA
Speaker: Richard Mark Friedhoff, Visicom Corporation, Los Angeles
"Visualization: Fusing Mind and Computer (Perceptual Adventures for the 1990s)"
Speaker: Barbara Mihalas, National Center for Supercomputing Applications at the University of Illinois--Urbana-Champaign
"Visualization in Scientific Research and Conceptualization"
Moderator: Alan Beyerchen, History, OSU
Thursday, 26 April 1990: PERSONAL COMPUTERS/IDENTITY IN A TELELITERATE WORLD
Speaker: Cheris Kramarae, University of Oregon
"The Science Fiction of Computers in Classrooms"

Thursday, 3 May 1990: OWNERSHIP OF MEDIA AND SOURCES OF INFORMATION
Speaker: Herbert Schiller, University of California--San Diego
"Welcome to the Two-Tiered Society"

Speaker: Oscar H. Gandy, Jr., University of Pennsylvania
"The Cybernetic Triage: Inequality in the Information Age"

Moderator: Brenda Dervin, Communication, OSU

Thursday, 10 May 1990: ACCESS TO TELECOMMUNICATIONS MEDIA/ POLICY ISSUES
Speaker: Dee Dee Halleck, Paper Tiger Television/University of California--San Diego
"Towards a Popular Electronic Sphere: Options for Authentic Media Expressions beyond America's Funniest Home Videos"

Speaker: Kevin G. Wilson, Télé-université, University of Québec, Montréal
"The Access/Control Paradox in the New Electronic Media for the Home"

Moderator: Alan O'Connor, Communication, OSU

Thursday, 17 May 1990: THE MODE OF INFORMATION AS A NEW CULTURAL ORDER
Speaker: Mark Poster, University of California--Irvine
"Reconfiguring the Subject: Derrida and Computer Writing"

Moderator: Barbara J. Reeves, Comparative Studies, OSU

All presentations are free and open to the public and will be held 7-9 pm
in Room 100 Stillman Hall,
1947 College Road, Ohio State University campus, Columbus.
Arps garage, a nearby public parking facility, is accessible from College Rd. and N. High Street.

For more information, contact Dr. Barbara J. Reeves or Toni Mortimer, Center for Comparative Studies, 306 Dulles Hall, 292-2559; Dr. Brenda Dervin, Department of Communication, 292-3400; Dr. Alan Beyerchen, Department of History, 292-2674.
Battelle lectures look at impact of television

The 1990 Battelle Endowment for Technology and Human Affairs lecture series addresses "Teleliteracy: Literacy, Values and Telecommunications."

With emerging video technologies and the power of television, the definition of literacy could be changing. The lecture series examines this impact.

The lectures take place throughout April and May from 7-9 p.m. in 100 Stillman Hall.

For more information, call the Center for Comparative Studies, 292-2559.

The April topics and lectures include:

- **Values of Television and Video Manipulation** "Teleliteracy and the Conditions of Reception" by John Fiske of the University of Wisconsin, and "The Discipline of Culture and the Technologies of Discipline ("It's Hard to be a Saint in the City")" by Lawrence Grossberg of the University of Illinois, tonight, April 12.

- **Pictoricacy (Image Literacy)** as Bridge Between Media "Visualization: Fusing Mind and Computer (Perceptual Adventures for the 1990s)" by Richard Mark Friedhoff of the Viscicom Corporation of Los Angeles, and "Visualization in Scientific Research and Conceptualization" by Barbara Mihalas of the National Center for Supercomputing Applications at the University of Illinois, April 19.

- **Personal Computers and Identity in a Teleliterate World** "The Science Fiction of Computers in the Classroom" by Cheris Kramarae, University of Oregon, and "The Rise and Fall of the Computer Hacker" by Andrew Ross, Princeton University, April 26.
ENVIRONMENTAL PROBLEMS TOPIC OF BATTELLE-OHIO STATE LECTURES

COLUMBUS -- "Ecology, Ethics and the Human Condition" is the theme of a series of forums sponsored by The Battelle Endowment for Technology and Human Affairs and The Ohio State University.

The forums, which are free and open to the public, will be held on Thursday evenings from 7 to 9 in the Battelle Memorial Institute Auditorium, 505 King Ave.

Each will feature a lecture followed by a panel discussion and questions from the audience, according to Mohan Wali, director of the School of Natural Resources at Ohio State.

Wali says the forums are being held to discuss contemporary environmental problems, the potential impact of which has been voiced by practitioners in the scientific, economic and social fields and, now, by the world's religious leaders.

He notes that although the extent and magnitude of the use of natural resources vary from country to country, the resulting environmental problems have a great deal in common and many times transcend political boundaries.

"Along with scientific findings, the ethics in environmental action thus attain paramount significance," he says.

The forums and speakers are:

-more-
ENVIROMENTAL PROBLEMS -- 2


- Jan. 21, "The Challenges of Environmental Ethics," Holmes Rolston, University Distinguished Professor, Colorado State University.


- March 4, "Turning the Clock Back: The Concept of Re-Ruralization," David W. Orr, professor, Center for Environmental Studies, Oberlin College.

- March 11, "Risk Assessment and Environmental Ethics," William Madia, senior vice president, Battelle Memorial Institute.

Panelists for the lectures will include Ohio State faculty members from several disciplines and community leaders from a wide variety of backgrounds.

University sponsors of the lecture series are the School of Natural Resources, colleges of Agriculture and Biological Sciences, departments of Agronomy and Philosophy, Ohio State University Extension and the Ohio State chapter of Sigma Xi, a scientific research society.

For more information, contact Mohan Wali at 292-9884.

Contact: Mohan Wali, 614-292-9884.
Written by Tom Spring.
Battelle Endowment celebrates technology

By Tom Spring

Over two decades, the Battelle Endowment for Technology and Human Affairs has helped Ohio State share information about technology's impact with the public.

The goal has stayed the same since Battelle president Sherwood Fawcett handed Ohio State president Harold Enarson a check for $1 million in July 1975. Battelle asked Ohio State to explore the interactions between science and technology and society.

Then-provost Al Kuhn established a committee of five to oversee the endowment's development. Sven Lundstedt, professor of public policy, management and human resources, chaired the group, which used the endowment's income to create and implement programs.

"From the first program, "Energy, Environment and Our Society," faculty and students have benefited from the latest and best information from recognized authorities and scholars."

For the 1977 seminars on energy, "I brought in very controversial but very good people," Lundstedt recalled. "Included were corporate, government, environmental and community points of view."

The program spurred interest as faculty created the Energy and International Affairs Working Group and the Energy and National Security Project.

"We realized that energy and the environment were international issues," Lundstedt said. "In cooperation with the Mershon Center and other Ohio State groups, the Battelle seminars spawned additional proposals in Washington, D.C.

A positive result was that people in the Department of Energy began listening to the people in the Department of Defense, and the people in Defense began talking to the people in the Library of Congress," he said. "It created an opportunity for people to work on integrative solutions. The work required this higher level of policy research in order to be meaningful.

"The programs also helped build bridges of cooperation across King Avenue to Battelle," said Lundstedt.

Over time, the Battelle Committee invited faculty to submit proposals for competitive funding. Programs of the 1980s focused on the impact of emerging technology on society and included "Vision and Reality: George Orwell's 1984 and Its Implications for Life Today," and discussions of genetic engineering, arms control, agricultural technology, and medical technology and ethics.

Recently, the format changed again as the committee reassessed its mission. Donald Syvan, associate professor of political science and a committee member from 1989-92, said the group altered the basis of competition.

"The other change we made was to broaden the focus from what had become almost exclusively conferences to allowing any innovative form of the communication of ideas," Sylvan said.

Last year, the committee funded four proposals.

One was "Technology in an Aging Society: Adding Life to Years...or Years to Life?" It explores attitudes and values related to aging, cosmetic surgery and life-sustaining treatments made possible by technology.

Bonnie S. Kantor, director of geriatrics and gerontology, said the goal is to develop humanistic attitudes about aging in an era of technological advances.

Joy H. Reilly, associate professor of theater, created a musical from the words of older people. The play was adapted for television and staged by Grandparents Living Theater.

WOSU videotaped it and a discussion of issues it raised, featuring experts in geriatrics, plus physicians, students and middle-aged adults. The program aired on PBS stations in the Midwest and was distributed to teaching hospitals across the nation.

Other programs involved developing computerized modules using weather data to teach students in secondary schools; an interactive digital art and virtual reality research studio, exhibit and conferences; and a holography exhibit and conference that combined physics and art.

Today, the Battelle Committee consists of nine faculty members from nine colleges. Robert Arnold, vice provost, serves as an ex officio member. The program annually names three new members to serve three-year terms.

The diversity of faculty representation is intentional and ensures that the program "doesn't have a prescribed collegiate or disciplinary focus," said current chair Larry Brown, professor of geography.

"The Office of Academic Affairs has provided breadth and scope," Brown said. "They have made a significant difference and introduced diverse elements they care about this program."

Lundstedt said the Battelle program "has fostered the idea that the best solutions came through collaboration and cooperation in which different disciplines made significant contributions. It was a demonstration of the essential importance of cross-functional teamwork."

Deadline nears for proposals

The Battelle Endowment for Technology and Human Affairs (BETHA) provides funding to support conferences, exhibits, videos, interactive computer projects and more.

The current theme is "Education and Technology."

BETHA's annual budget is approximately $150,000. Typically, programs in the $50,000 range have been funded.

Deadline for preliminary proposals is Oct. 30. Preliminary proposals should be about five pages, plus budget and a brief biographical sketch of the faculty proposers, together with a letter of support from the college dean and department chair of each faculty participant.

Proposals can be submitted to BETHA c/o Barbara Pyle, Office of Academic Affairs, 203 Bricker Hall, 190 North Oval Mall. For information, contact Lawrence A. Brown, BETHA chair, at 292-2320, or by e-mail at lbrownm@osu.edu.
For further information, please visit the BETHA website at: http://www.admin.ohio-state.edu/provost/betha/

Request for Proposals
1999-2000

The Battelle Endowment for Technology and Human Affairs (BETHA) provides funding to Ohio State Faculty to support conferences, exhibits, workshops, videos, and interactive computer projects that address the interactions between science and technology, and the needs and aspirations of persons and societies in our increasingly technological world. Interdisciplinary collaboration and public outreach are encouraged. The Endowment is not intended to fund programs of research.

Projects supported in 1998-1999 include:

"Conference on Religion and Science: Tension, Accommodation and Engagement"
Department of Philosophy

"Technology and the English Teacher"
Department of English

"Technology, Writing, and Culture in Secondary Science Instruction"
Center for Study and Teaching of Writing

"Technology Across the Humanities Curriculum: A Regional Conference"
Department of Linguistics

"Dancing to Regenerate the Community: A Multimedia Approach to Documenting West African Dance"
Department of Dance

Abstracts of these projects are included on the BETHA Website

The BETHA Committee invites proposals from OSU faculty that are consistent with the spirit of the letter establishing the Endowment:

"When wisely applied, the results of science and technology contribute in many important ways to the welfare and quality of living of contemporary societies and individuals. When misapplied, they can lead to intended, unintended, and unexpected adverse impacts. The duality of these interactions, for good and for bad, were recognized in the Will of Gordon Battelle, and have been a central interest and driving force in the subsequent evolution of the Battelle Memorial Institute."

BETHA places a strong emphasis on educational and public service programs rather than research. In general, pure research programs are not funded by BETHA. Similarly, proposals that seek only to acquire technology (e.g., to purchase computers or other equipment) are not generally competitive for BETHA funding. Interdisciplinary collaborations within the University and finite-term collaborations with other institutions are especially encouraged. BETHA programs are typically funded for only one year.

Typically BETHA has funded programs in the neighborhood of $50,000, but smaller projects are also supported. Multi-year projects may be considered with subsequent funding dependent on acceptable performance during the first year. Proposals must be received by November 12, 1999 and should follow the guidelines on the back of this page. Projects will typically start during or after the Summer of 2000.

Please direct questions to the BETHA Coordinator Joanne Jones, Office of Academic Affairs, 203 Bricker Hall, 190 North Oval Mall, Columbus, Ohio 43210, 292-5881, jones.62@osu.edu or to the 1999-2000 BETHA Chair, Professor David Shutkin, School of Educational Policy and Leadership, 165B Ramseyer Hall, 29 W. Woodruff Ave., Columbus, OH 43201, 688-3861, shutkin.1@osu.edu.

Proposals should be submitted to:
BETHA c/o Joanne Jones
Office of Academic Affairs
203 Bricker Hall
190 North Oval Mall
Columbus, OH 43210
1999-2000 BETHA Proposal Cover Sheet

Project Title: ____________________________________________________________

Contact Person: _________________________________________________________

Department: ____________________________________________________________

Campus Address: _________________________________________________________

e-mail address: _________________________________________________________

Telephone No.: _________________________________________________________

FAX Number: ___________________________________________________________

Starting Date of Project: _________________________________________________

(Funding will normally be available by the beginning of Summer Quarter of 2000)

Budget: Total Budget of Project: ______________________ BETHA Funds Requested: ______________________

GUIDELINES FOR 1999-2000 PROPOSALS:

Proposals should be no longer than five double-spaced pages and not exceed 1500 words. We request that documents be composed in an easy-to-read proportional spaced font (e.g., Times-Roman), using a 12-point font size (footnotes may be in 10-point font).

The project narrative should be addressed to a general (i.e., non-specialist) audience, as the review committee is composed of faculty from across the University representing a wide range of disciplines.

Additional supporting documents must include, and are limited to; letters of support from unit chairs, college deans, and internal/external collaborators (if relevant). One page biographical sketches for each project coordinator must accompany the proposal. A detailed budget must also accompany the proposal.

Proposals not meeting these requirements will be returned without review.

Cover sheets for proposals should include all of the above requested information (see "1999-2000 BETHA Proposal Cover Sheet" section). Cover sheets must also include a substantive abstract (75 words maximum).

Please provide the Committee with ten (10)-collated copies of your cover sheet, proposal and all supporting documents.

Proposals must include the following sections:

Description of Project:

Describe the problem to be addressed, its importance, its relevance, the audience to be reached and the means by which it is to be reached, the likely effectiveness of the means of addressing the problem and any lasting characteristics, if any. If the project will result in a product or publication, a plan for the dissemination should be included. If the proposed activities are part of a larger project, please discuss the project's history and future plans. Letters from the principles must be included.

Relation to BETHA's Mission:

Discuss the specific ways in which the proposed activity will address the core BETHA mission.

Detailed Budget and Budget Justification:

The budget consists of two parts:

1) Detailed Budget for the entire project indicating the total costs and parts specifically funded by BETHA. One page maximum.

2) A Budget Narrative, giving a brief itemized justification of the major line items being requested of BETHA, not to exceed one page and immediately following the detailed budget.

Please note that BETHA does not fund faculty release time or summer salary.

For further information, please visit the BETHA website at: http://oaa.ohio-state.edu/betha/index.htm