

ANNUAL REPORT

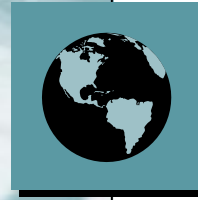
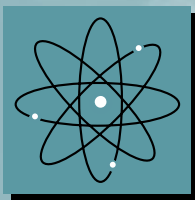


2003 / 2004

THE TECHNOLOGY & CULTURE

FORUM

AT MIT



Friday • October 3, 2003

2ND ANNUAL INTERNATIONAL DEVELOPMENT FORUM AND FAIR

Paul Farmer, Professor, Medical Anthropology, Harvard Medical School; Director, Clinique Bon Sauveur, Haiti

Adil Najam, Professor, Department of International Relations, Boston University

Tan Sri Ahmad Tajuddin Ali, President, Malaysia University of Science and Technology

Moderator: **Daniel Collins**, '04

Co-sponsors: MIT Public Service Center, MIT Edgerton Center, MIT Student Pugwash, Thread, Techlink, Design That Matters, Engineers Without Frontiers

Thursday • October 23, 2003

SPACE EXPLORATION: THE NEXT 100 YEARS

Richard Binzel, Professor, Earth, Atmospheric and Planetary Sciences, MIT

Supriya Chakrabarti, Director, Center for Space Physics, Boston University

Andrew Chaikin, author, *Air and Space: The National Air and Space Museum Story of Flight* and *A Man on the Moon*

Moderator: **Dava Newman**, Associate Professor, Aeronautics and Astronautics, MIT

Co-sponsors: Department of Aeronautics and Astronautics and the MIT Museum

Tuesday • October 28, 2003

RESOURCE WARS: THE NEW LANDSCAPE OF GLOBAL CONFLICT

Michael Klare, Professor, Peace and World Security Studies, Hampshire College

Co-sponsor: Laboratory For Energy in the Environment

Wednesday • October 30, 2003

WEAPONS OF MASS CONFUSION: ASSESSING THE TRUE RISKS

The 13th Annual J. Herbert Hollomon Memorial Symposium

Owen Cote, Associate Director, Security Studies Program, MIT; co-editor, *International Security*

Jeanne Guillemin, Senior Fellow, Security Studies Program, MIT; Professor, Sociology, Boston College

Steven Miller, Director, International Security Program, Belfer Center for Science & International Affairs, Harvard University

Moderator: **Kosta Tsipis**, former Director, Program in Science and Technology for International Security, MIT

Special Guest: **Philip Morrison**, Institute Professor Emeritus, MIT

Thursday • November 13, 2003

ME++

THE CYBORG SELF AND THE NETWORKED CITY

William Mitchell, Professor, Department of Architecture, MIT

Co-sponsors: authors@mit and the MIT Press Bookstore

Tuesday November 18, 2003

PULP STORY: THE FATE OF A SOUTH BRONX PAPER MILL

Lis Harris, Columbia University

Moderator: **Evelyn Fox Keller**, Professor, Program in Science, Technology and Society, MIT

Co-sponsor: LFEE

Wednesday • November 19, 2003

FLIGHT: THE NEXT HUNDRED YEARS

Joseph Corn, Coordinator, American Studies Program, Stanford University
Allen Hagerty, Retired Vice President and General Manager of Engineering, Boeing Military and Aircraft Missile System; Senior Lecturer and former Hunsacker Visiting Professor, Department of Aeronautics and Astronautics, MIT

Jane Garvey, former Administrator, Federal Aviation Administration; Executive Vice President and Chairman, Transportation Practice, APCO
Moderator: **Larry Young**, Professor, Department of Aeronautics and Astronautics, MIT

Co-sponsors: Department of Aeronautics and Astronautics and the MIT Museum

Friday • February 13, 2004

THE LORD OF THE RINGS: THE PRODUCTION CHALLENGES OF FILMMAKING

Richard Sharkey, Supervising Unit Location Manager, The Lord of the Rings

Matthew Cooper, Location Administrator and Production Legal Consultant, The Lord of the Rings

Moderator: **Miguel Molina Cecchetti**, '04

Sunday • February 15, 2004

THE MILITARIZATION OF SCIENCE AND SPACE

Noam Chomsky, Institute Professor Emeritus, MIT

Co-sponsor: Social Justice Cooperative

Tuesday • February 17, 2004

LIVING IN TWO COMMUNITIES: VOCATIONAL FORMATION IN SCIENCE AND RELIGION
A lunchtime discussion featuring Mark Edwards, Associate Dean for Academic Affairs, Harvard Divinity School

Co-sponsor: Division of Student Life

Saturday • March 6, 2004

DEPLETED URANIUM WEAPONS: TOXIC CONTAMINANT OR NECESSARY TECHNOLOGY?
An afternoon symposium from 1:00 P.M. to 5:00 P.M. examining the politics, the policy, and the science of depleted uranium

Co-sponsors: Department of Civil and Environmental Engineering, Center for International Studies, Department of Nuclear Engineering, Laboratory for Energy and the Environment, Program for Human Rights and Justice, Program in Science, Technology, and Society, MIT Student Pugwash, and Students for Global Sustainability

Thursday • March 11, 2004

INVESTIGATING THE BUSH ADMINISTRATION'S MISUSE OF SCIENCE

Kevin Knobloch, President, Union of Concerned Scientists

Respondants: **Philip Morrison**, Institute Professor Emeritus, MIT

E.O. Wilson, Professor Emeritus, Harvard

Co-sponsors: Western Hemisphere Project and MIT Student Pugwash

Wednesday March 31, 2004

WHAT GOOD IS EVIL? SCIENTIFIC AND THEOLOGICAL PERSPECTIVES

Thomas Lewis, Assistant Professor of Psychiatry, University of California at San Francisco; author, *A General Theory of Love*

Michael Himes, Professor, Theology, Boston College

James Carroll, columnist, Boston Globe; recipient, National Book Award for *An American Requiem*

Moderator: **Joshua Cohen**, Professor, Political Science, MIT; editor of *Boston Review*

THE TECHNOLOGY AND CULTURE FORUM AT MIT PROMOTES DISCUSSION OF THE ETHICAL IMPLICATIONS OF SCIENTIFIC AND TECHNOLOGICAL INNOVATION, AND EXPLORES THE ROLE OF SCIENCE AND TECHNOLOGY IN PROMOTING POSITIVE CHANGE. WE SEEK OUT TOPICS WHICH FALL OUTSIDE OR BETWEEN TRADITIONAL DEPARTMENTAL LINES.



▲ MICHAEL HIMES, THOMAS LEWIS, AND JAMES CARROLL SHARE A LIGHT MOMENT IN A MOVING DISCUSSION ABOUT "EVIL."

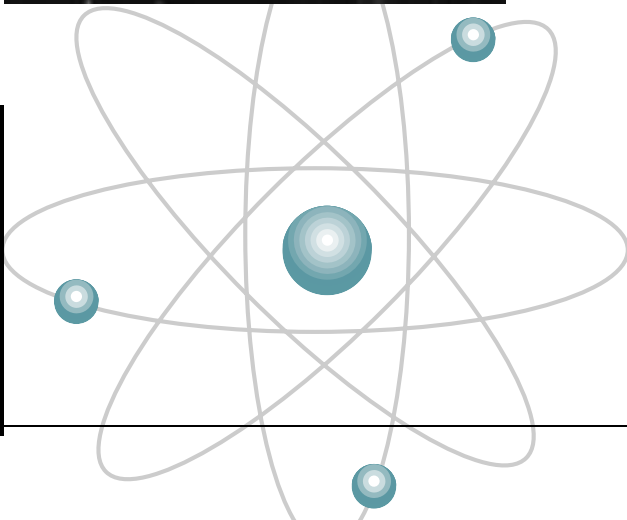
▼ AMY MCCREATH, LIS HARRIS AND EVELYN FOX-KELLER AFTER HARRIS'S PRESENTATION ON THE FATE OF A PROPOSED RECYCLED PAPER MILL.

Forty years ago, as Episcopal chaplain Mike Bloy and a group of MIT faculty embarked on the work that evolved into the Technology and Culture Forum, one of their chief concerns was the growth of what President Eisenhower had labeled "the military/industrial complex." In the intervening years, the terminology used to describe that phenomenon has changed. Globalization and technological revolutions have added layers of complexity to the issue, but the central challenge articulated by Bloy and those who met with him remains the same: to do work and make decisions that promote justice, human security, and a sustainable environmental future.

On March 31st, we celebrated the extensive, fine work this program has done in its first forty years. After an extremely compelling discussion of the meaning of "evil," a large group representing the past, present, and future of T&C met over a festive dinner. MIT President Emeritus Paul Gray, Episcopal Bishop Tom Shaw and others spoke eloquently about the value of T&C.



THE INTERNATIONAL DEVELOPMENT FORUM GENERATED PARTNERSHIPS, AWARENESS AND CREATIVE THOUGHT ABOUT MIT'S ROLE IN BUILDING CIVIL SOCIETY AROUND THE GLOBE.



Perhaps the most moving words of the evening came from Cassandra Roth '07. She thanked us for offering programs that are adding value to her education right now, by helping her understand the problems she reads about in the news, challenging her to think about how she wants to make a difference in the world and preparing her for life outside the classroom. That's what T&C is all about!



This year, Cassandra was one of thousands of MIT students challenged to find meaning within a national and global context of divisiveness, anxiety, and war. Our programs on issues related to the military and the war in Iraq were extremely well-attended. We also found the MIT community hungry for strategies for realizing a better future grounded in a paradigm broader than national or corporate interest. Lis Harris sharing realpolitik lessons about corporate support for environmental practices, Richard Binzel holding out a vision of space exploration as an arena for international cooperation,

and the speakers at the International Development Forum encouraging and coaching students on how to solve real problems for people in great need in the developing world — all of these helped MIT students and others enlarge their sense of the possible.

While I believe our work of offering large public forums on the issues of the day continues to be the heart of our mission at MIT, we are called to do more. We are initiating projects aimed at bringing our mission to undergraduates more effectively, in particular, by providing tools for them to begin to articulate their ethical commitments as scientists and engineers. We are developing our website so that it supports and supplements our public forums more effectively. We want to incubate student-led initiatives that promote justice, peace, and human dignity, and which have the potential to become freestanding, ongoing programs. The only barrier to accomplishing these goals is funding, which continues to be our greatest need.

▲ **FOUR GENERATIONS OF COORDINATORS CELEBRATE THE 40TH ANNIVERSARY OF T&C.**
(JOHN CROCKER, AMY MCCREATH, SCOTT PARADISE, JANE GOULD)

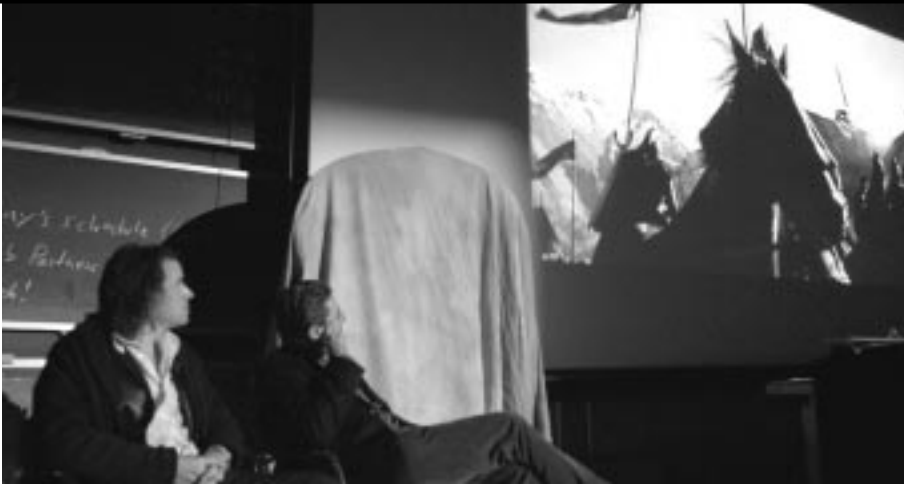
▼ **DAVA NEWMAN AND A TOP-NOTCH PANEL EXPLORE THE FUTURE OF SPACE EXPLORATION.**



▲ **JANE GARVEY OFFERS AN EXCITING VISION OF THE FUTURE OF AVIATION.**

▶ **THE INTERNATIONAL DEVELOPMENT FORUM FEATURED OVER 40 MIT GROUPS AND PROGRAMS WORKING FOR POSITIVE CHANGE IN THE DEVELOPING WORLD.**





Please contact us if you would like to support one or more of these initiatives, or have ideas about securing the financial future of T&C.

I believe that the gravity of the threats to our world and civil society necessitate that we do all that we can to equip the MIT community to effect positive change. I am extraordinarily blessed to work with the members of our Steering Committee, our Development Committee, and in cooperation with the many programs and student groups with whom we collaborate each year. And as she marks her twentieth anniversary with T&C, I most especially thank Associate Coordinator Patricia Weinmann for her unflagging zeal, wisdom, and camaraderie. ■

Amy McCreath

(The Rev.) Amy McCreath

A SPECIAL THANKS

to our new

Development Committee



Stephen Immerman

Paul Gray, '54

William ('56) and Betsy Leitch

The Rev. Amy McCreath

Robert Randolph

Bishop M. Thomas Shaw, SSJE

Patricia-Maria Weinmann

Albert Wilson, '38

▲ **BEHIND-THE-SCENES FOOTAGE FROM THE FILMING OF LORD OF THE RINGS CAPTIVATES THE CROWD.**

▼ **MATTHEW COOPER AND RICHARD SHARKEY LEAD A LIVELY CONVERSATION ON THE ENVIRONMENTAL CHALLENGES OF LARGE-SCALE FILM PRODUCTION.**



ANNUAL SUPPORT

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Carson Agnew
Kenneth Farmer
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Chitra Kumar
Marjorie Leggett
David and Ruth McCreath
Albert Meyer
Steven and Bridgit Steadman
Bernhardt Wuensch

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LEADERSHIP CIRCLE

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John Crocker
Jay Forrester
Richard Goldhor
Robert Mann
Office for the Dean of Student Life

VISIONARIES

Episcopal Diocese of Massachusetts
William and Betsy Leitch
Office of the Provost
Campbell and Eleanor Searle

ENDOWMENT LEADERSHIP

Episcopal Diocese of Massachusetts
William and Betsy Leitch
Albert Wilson
Mrs. Henry Worcester

77 Massachusetts Ave.
MIT Building W11
Cambridge, MA 02139



THE TECHNOLOGY AND CULTURE FORUM STEERING COMMITTEE 2003 / 2004

The Technology and Culture Forum at MIT 2003-2004

STEERING COMMITTEE

Samuel M. Allen — *Materials Science and Engineering*

James Fay — *Mechanical Engineering; Professor Emeritus*

Henry Jacoby — *Sloan School of Management*

Jeremy Johnson — G

Sarah Johnstone — G

Jay Keyser — *Linguistics and Philosophy;
Special Assistant to the Provost*

Jonathan King — *Biology*

Evelyn Fox Keller — *History and Philosophy of Science*

William R. Leitch — '56

Robert Mann — *Mechanical Engineering;
Whitaker Professor Emeritus*

Karim Abdul-Matin — G

Louis Menand, III — *Special Assistant to the Provost Emeritus*

Philip Morrison — *Physics; Institute Professor Emeritus*

Ruth Perry — *Literature*

Balakrishnan Rajagopal — *Urban Studies and Planning*

Fleming Ray — '03

Kosta Tsipis — *Program in Science and Technology
for International Security*

STAFF

The Rev. Amy McCreath, *Coordinator*

Patricia-Maria Weinmann, *Associate Coordinator*