Director’s letter

It is with great pleasure that I announce the first issue of center: news, the Center for Advanced Study newsletter. The Center plays a critical role in enriching the intellectual life of our campus, and with this newsletter (published three times during the academic year) I hope to reach as many members of the University community as possible to let you know about our upcoming events and our ongoing programs, as well as to introduce you to the CAS Community of scholars (permanent faculty as well as those who have received Associate and Fellow release time appointments). In this inaugural issue, I want to briefly describe the CAS history and mission, for those who may not be familiar with our programs.

The Center’s founding mission is to encourage creative achievement and scholarship by providing recognition to scholars of the highest distinction. Since its establishment in 1959, fifty-three distinguished faculty from UIUC have been named Center for Advanced Study Professors. All have achieved high level recognition in the disciplinary areas of their work, including professional society research excellence awards and elective offices, election to membership in national academies, President’s medals, and, in the remarkable case of CAS Professor of Physics and Electrical Engineering, John Bardeen, one of the original four founding members of the Center, receipt of two Nobel prizes in the same scientific field. Prof. Bardeen is the only individual ever selected to receive this honor.

In 1967, the Center initiated an annual competition for one-semester release-time appointments for tenure-track faculty, which are both valuable for their intended purpose and a sign of scholarly recognition. This year, we have awarded twelve CAS Associateships for tenured faculty, and twelve CAS Fellowships for non-tenured faculty. During the 40th Anniversary Year of the Center, a new category of student fellowships was established in honor of CAS Prof. John Bardeen. In this, the third year of the CAS John Bardeen Scholars Program, we have awarded five graduate student fellowships. Four undergraduate Bardeen Scholarships will be sponsored this year by the colleges of ACES, LAS and Engineering, and the School of Molecular and Cellular Biology in association with the New Biology initiative described below.

The Center also encourages creative achievement and scholarship by providing a forum for cross-disciplinary scholarship and discourse. Our CAS/MillerComm series of public events brings to campus scholars, writers and performing artists from a broad range of disciplines. Those who have received an appointment as a George A. Miller Visiting Professor or Scholar spend anywhere from one week to a year on campus, participating in scholarly, professional, or creative programs. The Center sponsors workshops, seminars and symposia, working with many units on campus to enable scholarly interaction and creative activity at the highest levels and across the disciplines of the university. We also sponsor one or more major yearly initiatives, organized around topics of cross disciplinary and broad campus and/or societal relevance, and featuring invited and campus speakers. This year we will bring in a series of fall semester speakers as well as offer a major conference in the spring as part of our initiative entitled The New Biology: Issues and Opportunities.

In this and future issues, I look forward to introducing you to the members of the CAS community of scholars and apprising you of upcoming events.

William T. Greenough
Professor and Director
CAS is offering campus a wonderful opportunity to attend a two-day conference (Friday, March 8 and Saturday, March 9, 2002) that addresses some of the most important issues today: the implications of having sequenced the human genome and of related breakthroughs that will affect many areas of human life, ranging from health and medicine to food production, and which also have serious implications for our future as a species. Our two-day conference will feature thematic sessions with speakers from the social sciences, biological and chemical sciences, and humanities, addressing issues arising from the new biology from a broad interdisciplinary perspective.

Debates over stem-cell research, the possibilities of human cloning, and the controversies surrounding genetically modified organisms, among many other such issues, are everywhere in the news. Clearly, the revolution in biology has the potential to radically alter both our concept of ourselves and our very nature as organisms, even as it is now reshaping the organisms we use. Over the first part of this new century, we will be facing fundamental and irrevocable decisions about how we will determine the future of humankind. Biology has developed the tools to do this, but the decisions about what should be done are of potential professional interest to every discipline on our campus.

Participants in the conference include Profs. Charles Arntzen (Arizona State Univ.), Aravinda Chakravarti (Johns Hopkins), Alta Charo (UW-Madison), Caleb Finch (USC), Neal First (UW-Madison), Gregory Stephanopoulos (MIT), Oswald Steward (UC Irvine), and Catherine Verfaillie (Univ. Of Minnesota). Participants from our own campus include Profs. Andrew Isserman and Abigail Salyers, as well as members of the New Biology working group.

**Eric Green**  
Thursday, September 13, 8pm, Auditorium, Beckman Institute  
*Sequencing the Human Genome: Elucidating Our Genetic Blueprint*

Prof. Green is Chief, Genome Technology Branch at the National Human Genome Research Institute, and Director, NIH Intramural Sequencing Center at the National Institutes of Health. The major activities in Prof. Green’s laboratory include the construction of fully integrated and highly annotated physical maps of mammalian DNA and the development of efficient approaches for utilizing the resulting information to study important biological problems.

His public lecture at UIUC will focus on how investigators are using the new and powerful foundation of genetic information to tackle complex problems in human biology and disease. This information will likely also change biomedical research and the practice of medicine in profound ways in the coming decades.

**Troy Duster**  
Sunday, October 7, 4pm, Illini Union A&B  
*Post-Genomics and the Concept of Race in Science: Tensions, Contradictions and Resolutions*

Prof. Duster is Chancellor’s Professor and Director of the American Cultures Center at the University of California, Berkeley, where he has been since 1969. A campus leader on racial issues for decades, he founded and directed for 17 years the Center for the Study of Social Change. He is also Professor of Sociology at New York University. He is a member of the National Advisory Council for Human Genome Research, the Board of Directors of the Association of American Colleges and Universities, and has served as chair of the Advisory Committee on Ethical, Legal and Social Issues of the Human Genome Project.

Prof. Duster’s public lecture at UIUC will address the place of ethnicity and race in the current efforts of scientists to utilize our dramatically increased knowledge of the human genome. The Post-Genomic era raises a new set of issues about an old set of problems, including forensic science and its attempts to produce what is called “ethnic estimations of ethnic affiliations using allele frequencies.”
Jiri Jonas (Chemistry), was appointed director of the Beckman Institute for Advanced Science and Technology in 1993. He will retire at the end of August, and he and his wife, Ana, are looking forward to moving to their new home in Naples, Florida.

Braj Kachru (Linguistics), was appointed to the Center in 1994, and was CAS Director from 1996 to 2000. In an interview with Anupama Chandrasekhar (graduate student in the College of Communications), Prof. Kachru brushed aside references to his extraordinarily productive career as follows: “Achievement is such a strong imposing term. It’s not like Olympics that I must run a mile to get a gold medal. I enjoy my work. And I will continue to do what I enjoy.”

Jack Stillinger (English), writes: “I have just completed 43 years of being a professor in the English department...I’ve been a Professor in the Center for some three decades. I was still (barely) in my 30s when I was elected at the end of 1970, and probably am the youngest Professor in the Center’s history. I turned 70 this past February and probably, in the spring semester, was currently the Center’s oldest Professor.”

CAS Professors Retire

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Four colleges are co-sponsoring undergraduate Bardeen Scholarships: ACES, LAS, CoE and MCB. Due to the small number of applications received by the May deadline, CAS IS EXTENDING THE DEADLINE FOR UNDERGRADUATE BARDEEN SCHOLARSHIPS TO FRIDAY, SEPTEMBER 7.

Agricultural, Consumer and Environmental Sciences
Students must be in the upper 10% of their class.

Engineering
Students must be in the upper 10% of their class.

Liberal Arts and Sciences
Students should have a 3.8/4.0 GPA

Molecular and Cellular Biology

PROGRAM DEADLINES

Please consult our website for programming guidelines. www.cas.uiuc.edu

Release Time Appointments

**Associates & Fellows**

**Monday, December 3, 2001**

**George A. Miller Programs**

CAS/MillerComm & Visiting Professors and Scholars

**Spring Semester 2002 and beyond**

**Monday, October 8, 2001**

**Arnold O. Beckman Lecture**

Spring Semester 2002 and beyond

**Monday, October 8, 2001**

Center for Advanced Study

University of Illinois, Urbana-Champaign

912 W. Illinois Street

Urbana, Illinois 61801
<table>
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<tr>
<th>Date</th>
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| 9.5  | Peter Novick | *How We Talk About the Holocaust*  
CAS/MillerComm2002  
7:30pm, third floor, Levis Faculty Center |
| 9.13 | Dan Diner | Miller Endowment Visiting Scholar  
*Understanding the 20th Century*  
CAS/MillerComm2002  
7:30pm, Rm 407, Levis Faculty Center |
| 9.13 | Eric Green | *Sequencing the Human Genome: Elucidating Our Genetic Blueprint*  
New Biology Initiative  
8:00pm, Beckman Institute Auditorium |
| 9.19 | Benita Katzenellenbogen | *Estrogens in Human Health and Disease*  
CAS Professors’ Annual Lecture  
7:30pm, Colwell Playhouse, KCPA |
| 9.20 | Martin Marty | *Religion on the Global Scene: The Killer That Heals*  
CAS/MillerComm2002  
4:00pm, Colwell Playhouse, KCPA |
| 9.23 | Christopher Kenneth Green | *Picasso and Lipchitz: Cubism and Beyond*  
CAS/MillerComm2002  
3:00pm, Rm 62, KAM |
| 9.28 | Symposium | *Imagining the Mind*  
CAS/Program on Science, Technology, Information, and Medicine  
7:30pm, Beckman Institute Auditorium |
| 10.7 | Troy Duster | *Post-Genomics and the Concept of Race in Science: Tensions, Contradictions and Resolutions*  
New Biology Initiative  
4:00pm, Illini Union A&B |
| 10.11 | Adam Hochschild | *Background to Catastrophe: King Leopold II and the Conquest of the Congo*  
CAS/MillerComm2002  
4:00pm, third floor, Levis Faculty Center |
| 10.12 | Lawrence Kritzman | *French Cultural Wars*  
CAS/MillerComm2002  
4:00pm, Rm 62, KAM |
| 10.23 | Donald Crummey | *Global Environmentalism and Local Realities: Late 20th Century Ethiopia*  
CAS Noonhour presentation  
Music Room, Levis Faculty Center |
| 11.5 | Jean-Pierre Leburton | *Title tba*  
CAS Noonhour presentation  
Music Room, Levis Faculty Center |
| 11.7 | Suzanne Lacy | *Reading Community: The Work of Suzanne Lacy*  
CAS/MillerComm2002  
5:00pm, Rm 62, KAM |
| 11.28 | Renée C. Fox | *Medical Humanitarianism and Human Rights Witnessing Action: A Field Report from a Sociological Study of Médecins Sans Frontières (Doctors without Borders)*  
CAS/MillerComm2002  
7:30 pm, Rm. 407, Levis Faculty Center |
| 11.29 | Mark Hertsgaard | *Earth Odyssey II: Around the World (Again) in Search of Our Environmental Future*  
CAS/MillerComm2002  
7:30pm, third floor, Levis Faculty Center |