

Distinguished Scientist, Boyce Thompson Institute, Ithaca, New York. March 2-4, 1987. Division of Biological Sciences, University of California, San Diego, La Jolla, California. November 10-12, 1987. Medical Pathology, University of Paris, France. November 10-12, 1987. Medical Pathology, University of Paris, France. January 15-20, 1988. Biochemistry and Biophysics, University of Wales, Bangor, United Kingdom. April 11-15, 1988. Botany, University of Zurich, Switzerland. October 17-21, 1988. Harvard University, Petersham, Massachusetts. October 23-26, 1989. Forschungszentrum, West Germany, February 26-March 2, 1990. Harvard University, Cambridge, Massachusetts. February 5-7, 1990. Biological Chemistry, Harvard University, Cambridge, Massachusetts. January 28-31, 1991. Mechanical Engineering, Harvard University, Cambridge, Massachusetts. May 28-30, 1991. Zoology, Harvard University, Cambridge, Massachusetts. November 18-21, 1991. Genetics, Harvard University, Cambridge, Massachusetts. January 4-6, 1992. Medical Pathology, Harvard University, Cambridge, Massachusetts. April 13-16, 1992. Wildlife and Fisheries Biology, University of Cambridge, United Kingdom. November 16-19, 1992. Microbiology, University of Cambridge, United Kingdom. February 1-5, 1993. Cell Biology and Human Anatomy, Harvard Medical School, Boston. April 13-16, 1993. Zoology, Harvard Medical School, Boston. January 24-27, 1994. Pathology, Microbiology & Immunology, Harvard Medical School, Boston. February 28-March 3, 1994. Medical Pathology, School of Medicine, Harvard University, Boston. April 18-21, 1994. Evolution and Ecology, Harvard University, Boston. Laboratory of Molecular Signaling, Cambridge, England. School of Medicine, Harvard University, Boston. February 6-10, 1995. Plant Biology, Harvard University, Boston. The University of Chicago. May 1-5, 1995. Cell Biology, Harvard University, Boston. October 16-19, 1995. Institute of Botany, University of Basel, Switzerland. March 4-8, 1996. Plant Biology, Harvard University, Boston. Sciences, University of Massachusetts at Amherst, April 1-4, 1996. Evolutionary Biology, Princeton University. February 3-6, 1996. Harvard University, Boston. New York at Stony Brook. April 14-17, 1997. Biological Sciences, Harvard University, Boston. School of Medicine, Harvard University, Boston. May 5-7, 1997. Plant Biology, Harvard University, Boston. acology, The Scripps Research Institute. April 20-22, 1998. Harvard University, Boston. 98. Animal Science, Harvard University, Boston. Biology, University of Washington. January 11-13, 1999. Harvard University, Boston. Biology, Yale University School of Medicine. April 26-28, 1999. Harvard University, Boston. gy, Arizona State University. January 30-31, 2001. College of Arts and Sciences, University of Oxford. April 2-4, 2001. Evolution and Ecology, Harvard University, Boston. Biology and Genetics, Erasmus University, Rotterdam, March 1-3, 2002. Neurobiology, Physiology and Behavior, Harvard University, Boston.

*Dutchman* - Dutch Thymopulvis

Phillip A. Sharp, Center for Cancer Research, MIT, May 6-7, 2002. Molecular and Cellular Biology.  
 George M. Martin, M.D., Genome Sciences, University of Washington, January 13-15, 2003. Entomology.  
 Kim A. Nasmyth, Director of the Research Institute of Molecular Pathology, Vienna Biocenter, March 10-11, 2003. Microbiology.  
 Tim Flannery, Director of the South Australian Museum. April 28-29, 2003. Anthropology.  
 William Greenough, Beckman Institute, University of Illinois, December 1-2, 2003. Division of Biological Sciences, Dean's Office.  
 Bruce Ames, Children's Hospital, Oakland Research Institute, February 18-19, 2004. Plant Biology.  
 Hans Herren, International Centre of Insect Physiology and Ecology, Nairobi, Kenya. November 29-30, 2004. International Laboratory of Molecular Biology, School of Veterinary Medicine.  
 H. Robert Horvitz, Massachusetts Institute of Technology, Boston. April 26-27. Nematology.  
 Steven Chu, Director, Lawrence Berkeley National Laboratory, May 9-10, 2005. Applied Science.  
 Cynthia Kenyon, University of California, San Francisco. January 24-25, 2006. Plant Biology.  
 Thomas D. Pollard, Yale University. March 14-15, 2006. Molecular and Cellular Biology.  
 Mini Koehl, University of California, Berkeley. October 23-24, 2006. Neurobiology, Physiology and Behavior.

*not a speaker*

*problems of common - individual acts on shared*  
*Fisheries Pollution Antibiotics*  
*Aquifers Vaccines*

**STORER SYMPOSIA SPEAKERS**

Evolution of the Biosphere, May 9-11, 1989  
 Global Changes: Biological Catastrophe? April 30-May 1, 1990  
 Plant Sciences in the 21st Century. September 27, 2005  
 Biological Networks and Computation. September 25, 2006

*The history of ecology is an adventure in evolution*

*New frontier is in building bridges w/ economics and social sciences*  
*Questions: How do we value diversity?*

COOPERATION

*Why? - similar phenomena in both systems*  
*- both are complex adaptive systems*



All they have to have is some preference and be stubborn  
 Cooperation  
 Symbiosis

**STORER LIFE SCIENCES LECTURES PRESENTS**

**DR. SIMON A. LEVIN**  
 George M. Moffett Professor of Biology  
 Director of the Center for Biocomplexity  
 Princeton University

**Public Lecture:**  
 Monday, December 4, 2006  
 "Learning to Live in a Global Commons: Socioeconomic Challenges for a Sustainable Environment"

4:10 PM AGR Room, Alumni Center

**Scientific Lecture:**  
 Tuesday, December 5, 2006  
 "The Evolution of Ecosystem Patterns"

12:10 PM ARC Ballroom A

*species don't have ecosystems or even species in mind*

**Hosts:**  
 College of Biological Sciences  
 Dean's Office  
 Department of Environmental Science and Policy  
 University of California, Davis

Please telephone (530) 752-4460 or look under "Seminars and Events in Biology" at <http://www.dbs.ucdavis.edu> for information about this and other seminars

*Need to know how individuals make decisions, and how to gather opinion stuff.*

*How much are they willing to all systems to...*

*How much organisms are laws and how much copy humans apply in humans*

*what about variation w/ in the group*

*can be adaptive*

## SIMON A. LEVIN

Simon A. Levin received his B.A. from Johns Hopkins University and his Ph.D. in mathematics from the University of Maryland. He was Chair of the Section of Ecology and Systematics at Cornell University from 1965 to 1992, and then served as Director of the Ecosystems Research Center, the Center for Environmental Research and the Program on Theoretical and Computational Biology, as well as Charles A. Alexander Professor of Biological Sciences (1985-1992). Since 1992, he has been at Princeton University where he is currently George M. Moffett Professor of Biology and Director of the Center for Biocomplexity and retains an Adjunct Professorship at Cornell. His research interests are in understanding how macroscopic patterns and processes are maintained at the level of ecosystems and the biosphere, in terms of ecological and evolutionary mechanisms that operate primarily at the level of organisms; in infectious diseases; and in the interface between basic and applied ecology. Professor Levin is a Fellow of the American Academy of Arts and Sciences and the American Association for the Advancement of Science as well as Member of the National Academy of Sciences and the American Philosophical Society. He Chairs the Governing Council for IASA, and co-chairs the Science Board of the Santa Fe Institute. Professor Levin is a former President of the Ecological Society of America and the Society for Mathematical Biology, and a past Chair of the Board of the Beijer Institute of Ecological Economics. Among other awards, he won the MacArthur Award (1988) and the Distinguished Service Citation (1998) of the Ecological Society of America, and the Okubo Award of the Society for Mathematical Biology and the Japanese Society for Theoretical Biology. Most recently, he was honored with the Dr. A.H. Heineken Prize for Environmental Sciences by the Royal Netherlands Academy of Arts and Sciences (2004) and the Kyoto Prize in Basic Sciences (2005) by the Inamori Foundation. In the course of his career, Professor Levin has mentored more than 100 graduate students and postdoctoral fellows.

## TRACY AND RUTH STORER LECTURESHIP IN THE LIFE SCIENCES

The TRACY AND RUTH STORER LECTURESHIP IN THE LIFE SCIENCES is an endowed lectureship established in 1960 for the purpose of bringing eminent biologists from other institutions to participate in the academic community of the Davis Campus.

The donors, Tracy I. Storer and Ruth Risdon Storer, alumni of the University of California, began their affiliation with the Davis campus in 1923 when Tracy I. Storer was appointed assistant professor and assistant zoologist and taught the first campus course in zoology. Tracy Storer became the founding chair of the Department of Zoology. His long and devoted service to science and the University ended with his death in 1973.

Ruth Risdon Storer shared her husband's commitment to furthering scholarship in the life sciences. She was the only woman graduate in the University's Medical School class of 1913 and was the first woman pediatrician in Yolo County. She remained active in the Davis community and the University until her death in 1986.

The Lectureship was originally known as the Alumni Lectureship in the Life Sciences, in accordance with the Storers' desire for anonymity. In 1971 Tracy and Ruth Storer responded to the request of friends and colleagues to allow the University to name the Lectureship in their honor. The TRACY AND RUTH STORER LECTURESHIP IN THE LIFE SCIENCES serves as a memorial to the Storers' lifetime of service to the University, and fulfills their desire that members of the University community continue to enjoy the benefits of association with distinguished visiting scientists.

## STORER LIFE SCIENCES LECTURERS

- Ernest W. Caspari, Professor of Biology, University of Rochester. October 5-16, 1963. Developmental Genetics.
- Vincent G. Dethier, Professor of Physiology, University of Pennsylvania. October 17-31, 1966. Insect Physiology.
- Ernst Mayr, Professor of Zoology, Harvard University. May 7-20, 1967. Animal Evolution.
- Alfred S. Romer, Professor of Zoology, Harvard University. April 1-15, 1968. Vertebrate Evolution.
- Elizabeth C. Crosby, Professor of Anatomy, University of Michigan. November 3-15, 1968. Human Anatomy.
- W.D. Billings, Professor of Botany, Duke University. January 5-18, 1969. Plant Ecology.
- Frank Fenner, Director, John Curtin School of Medical Research, Australian National University, Canberra, Australia. April 13-23, 1969. Epidemiology.
- A. Frey-Wyssling, Professor of Botany, Eidgenossische Technische Hochschule, Zurich, Switzerland. April 5-19, 1970. Plant Physiology.
- Carl L. Hubbs, Scripps Institution of Oceanography, University of California, San Diego. November 11-23, 1970. Ichthyology.
- H. L. Kornberg, Professor of Biochemistry, University of Leicester, Leicester, England. February 1-12, 1971. Biochemistry.
- Hilary Koprowski, Wistar Institute, University of Pennsylvania. November 22- December 3, 1971. Virology, Cell Biology.
- George Beadle, University of Chicago, Genetics; and Muriel Beadle, Child Psychology. January 17-28, 1972.
- Sterling Hendricks, Agriculture Research Service, U.S.D.A., Beltsville, Maryland. May 1-12, 1972.
- George Gaylord Simpson, The Simroe Foundation, Tucson, Arizona. October 16-27, 1972. Vertebrate Paleontology.
- Sir Alan S. Parkes, The Galton Foundation, London, England. February 23- March 9, 1973. Physiology.
- Peter R. Marler, Director Field Research Center for Ecology and Ethology, The Rockefeller University, New York, N.Y., April 9-20, 1973. Vertebrate Behavior.
- George C. Cotzias, M.D., Medical Research Center, Brookhaven National Laboratory. May 7-18, 1973. Medical Physiology.
- Eugene P. Odum, Professor Zoology and Director of the Institute of Ecology, University of Georgia. November 6-13, 1973. Ecology.
- Peter Alexander, Director, Tumor Immunology Laboratory, Chester Beatty Research Institute, Royal Marsden Cancer Hospital, England. November 12-16, 1973. Tumor Immunology.
- Davis A. Hamburg, M.D., Reed-Hodgson Professor of Biology and Primatology, Department of Psychiatry, Stanford University School of Medicine. March 4-15, 1974. Psychiatry.
- Kent V. Flannery, Professor and Curator, Museum of Anthropology, University of Michigan. April 1-15, 1974. Geography.
- Garrett Hardin, Professor of Human Ecology, University of California, Santa Barbara. November 4-15, 1974. Human Ecology.
- Kenneth J. Carpenter, University Lecturer in Nutrition, University of Cambridge, Cambridge, England. March 30-April 9, 1975. Nutrition.
- Murray S. Blum, Professor of Entomology, University of Georgia, Athens. April 20-May 2, 1975. Entomology.
- Bert W. O'Malley, M.D., Department of Cell Biology, Baylor College of Medicine, Houston, Texas. October 20-31, 1975. Cell Biology.
- Sydney Brenner, Division of Cell Biology of the Medical Research Council Laboratory of Molecular Biology, Cambridge, England. April 12-23, 1976. Molecular Biology.
- Peter S. Carlson, Professor, Department of Crop and Soil Sciences, Michigan State University, East Lansing, Michigan. May 17-28, 1976. Plant Somatic Cell Genetics.
- Roger Y. Stanier, Chairman, Microbial Physiology, Pasteur Institute, Paris, France. November 22-December 3, 1976. Microbiology.
- Peter Albersheim, Professor, Departments of Chemistry and Molecular, Cellular and Developmental Biology, University of Colorado. January 24-February 4, 1977. Plant Science.

- Jere Mead, M.D., Cecil K. and Philip Drinker Professor of Environmental Physiology. February 22-March 4, 1977. Environmental Physiology.
- S.J. Singer, Professor of Biology, University of California, San Diego. Biophysics.
- James D. Ebert, President and Director, Marine Biological Laboratory. November 20-30, 1977. Embryology.
- Sir Kenneth Blaxter, FRS, Chief Scientific Officer and Director, Aberdeen, Scotland. February 8-15, 1978. Animal Science.
- Eric H. Davidson, Professor Biology, California Institute of Technology.
- Jurgen Aschoff, Director, Max-Planck Institute for Behavioral Physiology, Germany. October 9-20, 1978. Physiology.
- Burt L. Vallee, Paul C. Cabot Professor of Biological Chemistry. 22, 1979. Nutrition.
- Carl R. Woese, Professor of Microbiology, Biophysics, and Genomics, University of Illinois, Urbana Champaign. April 24-26, 1979. Bacteriology.
- Daphne J. Osborne, Developmental Botanist, Agricultural Research Service. November 5-16, 1979. Postharvest Biology Group.
- John F. Eisenberg, Assistant Director, National Zoological Park, Washington, D.C. February 4-15, 1980. Graduate Group in Animal Behavior. Fisheries Biology.
- George E. Palade, M.D., Chairman, Section of Cell Biology, Yale University. Medical Biological Chemistry.
- Jerre Levy, Department of Behavioral Sciences, Committee on Neurobiology. May 5-16, 1980. Genetics, Psychology, and Neurology and Psychiatry.
- Colin Blakemore, Chairman and Professor, Department of Psychology. 30, 1980. Psychology.
- Pierre Dejours, Director, Laboratory of Respiratory Physiology, INSERM, Strasbourg, France. January 21-27, 1980. Physiology.
- Richard Alexander, Professor of Biology and Curator of Insect Collection. March 5, 1981. Entomology.
- Alfred E. Harper, Professor and Chair of Nutritional Science, University of Wisconsin-Madison. October 20-27, 1981. Nutrition.
- Glenn W. Burton, Research Geneticist, USDA-SEA, University of Georgia. May 11-19, 1982. Agronomy & Range Science, Animal Science, and Genetics.
- Richard E. Leakey, Director/Chief Executive, National Museum of Kenya. 1982. Anthropology and Geology.
- Eric R. Kandel, M.D., Department of Neurology, Division of Neurology, Department of Physicians and Surgeons of Columbia University, New York. Physiology and Davis Chapter of the Society for Neuroscience.
- Donald S. Farner, Department of Zoology, Professor of Zoology. October 12-18, 1983. Zoology.
- Daniel Branton, Department of Cellular and Developmental Biology. 15, 1984. Zoology.
- J. Michael Bishop, Department of Pathology, University of California, San Diego. Microbiology.
- Maurice Fried, Consultant, National Research Council, National Academy of Sciences. 1984. Land, Air and Water Resources.
- John Krebs, Department of Zoology, Edward Grey Institute of Animal Behaviour. April 3-8, 1985. Zoology.
- Geoffrey M. Ole Maloiy, Department of Animal Physiology, University of Nairobi. 8-14, 1985. Physiological Sciences.
- Michael P. Hassell, Department of Pure and Applied Biology, University of Leeds. 1985. Entomology.
- John Maynard Smith, Emeritus Professor of Biology, University of Sussex. April 21-24, 1986. Genetics.