Presents
"Mechanisms of Change: Do Lemons Whistle?"

Seventh Annual
James R. Thompson
Leadership Lecture
November 21, 1997
1:00 p.m.

featuring James Burke
A ward-winning science historian, author and screenwriter James Burke was born in Northern Ireland and educated at Jesus College, Oxford University, where he received his Master of Arts Degree in English Literature. Upon leaving Oxford, Burke taught at the universities of Bologna and Urbino, Italy and was director of the English Schools at Bologna and at Rome. He also was a contributor to the production of the major Italian-English dictionary (Zanichelli).

Burke’s entry into broadcasting began with his work on Italian radio and as interpreter to the B’nai B’rith representative at Vatican II. He then reported for the Granada Television (UK) Rome Bureau. In 1966 Burke moved to London and BBC Television, first as co-host of the popular weekly science magazine program, “Tomorrow’s World,” and chief reporter on the U.S. and Russian spaceflight programs. Later in 1972, he hosted his first prime-time weekly science show, “The Burke Special.”

His fascination with technology and its impact on society led in 1979 to the highly-acclaimed, prize-winning 10-part Connections series. First aired in the U.S. on PBS, Connections, which explored the evolution of technology, achieved the largest audience ever for a documentary series in the United States. It has now been broadcast to more than 50 countries and is on the curriculum of some 350 colleges and universities in the U.S. The companion book has been a best seller in hardback and paperback on both sides of the Atlantic. Burke followed up the success of Connections with the series Connections² and most recently Connections³ (May 1997) for The Learning Channel. Burke also wrote and presented the CD-ROM version of the series called Connections - a Mindgame.

From Connections and the story of technology, Burke moved to an examination of the brain and the nature of human perception in a six-part series, The Real Thing, a BBC production that has been aired in some 30 countries. Burke also has produced other award-winning series including The Day the Universe Changed and After the Warming. Burke is currently producing another 10-part series entitled Journeys on the Web.

Recent books by James Burke include The Axemaker’s Gift (1995) and The Pinball Effect (1996), the companion book to the Connections² television series.
Welcome and Recognition of Guest ........................................ Jennifer Wang
President, Student Council
Illinois Mathematics and Science Academy
Stephanie Pace Marshall, Ph.D.
President
Illinois Mathematics and Science Academy

Introduction of Speaker ...................................................... William J. White
Chairman
Bell & Howell Company

James R. Thompson Leadership Lecture .............................. James Burke
"Mechanisms of Change: Do Lemons Whistle?"

Presentation ........................................................................... Jennifer Wang
The Illinois Mathematics and Science Academy is a learning enterprise that builds the capacity of students, teachers and policymakers to improve and transform mathematics and science teaching and learning. IMSA's residential educational program serves Illinois students (grades 10-12) talented in mathematics and science; its professional development Centers (mathematics and science, problem-based learning) serve schools, educational systems, teachers and students in Illinois and beyond. The Academy's academic building includes state-of-the-art science, mathematics, computing, instructional technology and video production laboratories, an inventors' workshop and a telecommunications classroom.

The James R. Thompson Leadership Lecture Series was established in 1990 following a gift to the IMSA Fund for Advancement of Education. The donor, who wishes to remain anonymous, chose to honor Mr. Thompson for his service as governor of Illinois (1977-1991) and his leadership in establishing the Academy. As governor, Mr. Thompson established task forces, evaluated recommendations, proposed legislation and successfully urged passage of the Education Reform Act of 1985 which included creation of the Illinois Mathematics and Science Academy.

In December, 1989, the Academy was formally dedicated to the people of Illinois in honor of Mr. Thompson and Dr. Leon M. Lederman. Mr. Thompson, an honorary member of IMSA's charter class, serves as chairman of the IMSA Fund board of directors.