János Bolyai Mathematical Society
ASL '92 Logic Conference
H-1027 Föutca 68
Budapest, Hungary

The conference e-mail addresses are:
aslogic@sztaki.hu (aslogic@sztaki.uucp from Europe)

or

h2499as1@ella.hu

EIGHTEENTH HOLIDAY MATHEMATICS SYMPOSIUM

NEW MEXICO STATE UNIVERSITY
December 27-31, 1991

THE IMPACT OF SOFTWARE SYSTEMS ON MATHEMATICAL RESEARCH

Professor J.L. Selfridge   Professor J.S. Devitt
Florida Atlantic University   University of Saskatchewan

The Department of Mathematical Sciences continues its holiday research symposium series with a program including ten lectures, two each day, jointly presented by Professors Selfridge and Devitt, along with sessions for contributed papers, informal talks, and discussions. The main topics are:

A brief history of mathematical computation.

Creating a laboratory for mathematics.

What constitutes an algebra system?

Features distinguishing some of the half-dozen major
systems.

A case study in graph theory: network reliability.

Development of an applied mathematics package.

How software is changing the face of numerical
analysis.

Developments in number theory and discrete problem
solving.

What do I need to bring a system to my workplace?

Future directions: hardware, algebra engines, user
interfaces.

From 1963 through 1976, the Department held a series of Holiday
Symposia during the winter recess. The lecturers were Samuel Eilen-
berg, Mark Kac, I.M. Singer, Saunders Mac Lane, Paul J. Cohen,
Irving Kaplansky, George W. Whitehead, Herman Chernoff, Errett
Bishop, Raoul Bott, Gian-Carlo Rota, John Tate, and A.S. Wight-
man. In 1988, both NMSU and the AMS celebrated their centennials
and the series was reinstated at that time. The last three speakers and
topics were: John Tate, Fermat's Last Theorem, Joan Birman, Braids
and Knots, and Douglas C. Ravenel, Homotopy Theory. In 1992, the
Symposium will feature Professor Georgia Benkart speaking on Lie
Group Representations and Combinatorics.

Las Cruces is located at the intersection of Interstates 10 and 25 in
the sunny Mesilla Valley, 40 miles north of El Paso, Texas, and
Juarez, Mexico. The weather is usually very nice and is often warm
during the winter months.

The Department extends its invitation to all interested mathe-
maticians. Assistance in reserving motel space at reduced rates in Las
Cruces and transportation to and from El Paso will be provided.
Inquiries should be directed to: Robert J. Wisner, Department of
Mathematical Sciences, New Mexico State University, Las Cruces,
NM 88003.