# Undergraduate Research Celebration Days II

Aaron McQuire, a Colby College student who participated in a senior capstone research course, presents a poster describing the GIS component of his research.

(math image caption)

*Photo courtesy of Philip J. Nyhus et al.*

## Contents

### September Focus on Undergraduate Research Celebration Days — Part 2

- Enhancing Education through Research and Education Using an Interdisciplinary Undergraduate Research Symposium. — *Philip J. Nyhus, F. Russell Cole, David H. Firmage and Edward H. Yeterian* ........................................... 16
- A Multidisciplinary Celebration of Undergraduate Research: The Loyola College in Maryland Undergraduate Student Research and Scholarship Colloquium — *Jenny Lowry and Kimberly G. Olsen* ............................. 24
- Developing a Showcase for Undergraduate Research: A Georgia Southern Version of Posters on the Hill — *S. Todd Deal and Janice N. Steirn* ................................................................. 29
- Second SUNO Undergraduate Research Day: Student’s Contributions at the Southern University of New Orleans — *Jean Ait Belkhir, Lenus Jack, Jr., David Adeboye, Murty Kambhampati, Carl P. Johnson, Adrian Omar, Willene P. Taylor, Sudipta Das, Panagiota Heath, Joe Omojola and Addison Carey* ......................... 30

### Reports from CUR 2002, the National Conference

- Report from the Hallways of CUR 2002 — *David Lopatto* .................................................. 4
- Workshops and Funding Opportunities — *Thomas J. Wenzel* .............................................. 6
- Special Symposium on Research Responsibility — *K. Elaine Hoagland* .................................. 8
- Assessment of Research — *Linda Rueckert* .......................................................................... 10
- Plenary Sessions — *Kathryn A. Goddard-Doms* ................................................................. 12
- Report from the Annual CUR Council Meeting — *Michael G. Tannenbaum* ......................... 14

### Other Articles

- Enhancing Education through Research in the Environmental Science Laboratory — *Philip J. Nyhus, F. Russell Cole, David H. Firmage and Phoebe S. Lehmann* .......................................................... 34
- Collaborative Integration of Geographic Information Systems (GIS) in Co-curricular Undergraduate Research — *Douglas J. Spieles and Geoff Cunfer* ................................................................. 41
- The NASA Undergraduate Research Program — *Brenda B. Neil* ........................................ 45
- The Merck/AAAS Undergraduate Science Research Program: Insights for a Successful Proposal — *Susan K. Painter* ................................................................. 46

### Departments

- From the Editor — *Helga Noice* .................................................................................. 2
- From the President — *Mitch Malachowski* ................................................................. 3
- Undergraduate Research Highlights .............................................................................. 32
- CUR National Office News ..................................................................................... 48
  - Call for Councilor Nominations ................................................................. 48
  - CUR Calendar ..................................................................................... 49
  - 2002-2003 Executive Board ............................................................................. 50
  - 2002-2003 Committee Chairs ............................................................................. 50
  - Submission Guidelines and Letters to the Editor Policy ................................. 51
- News from Inside and Outside of CUR — *Psi Chi: New Concept in Partnering — Anne Skinner* ................................................................. 52

*Back Cover* — Left to right: Environmental science major Amanda Smith presents results of the study at a regional surface water conference in March 2001. Student Steve McQuire takes part in NASA’s USRP. In his demonstration of acoustical special effects, Chris Thompson plays a few riffs on the guitar.