



# The Western SCHOLAR

THE SPIRIT OF SCHOLARSHIP AND RESEARCH AT WESTERN KENTUCKY UNIVERSITY

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Mr. Tommy Newton

Mr. Bob Skipper

## 2 Climate Scene Investigations

by Tommy Newton

Retired state climatologist Glen Conner has traveled to two dozen cities to develop histories of weather stations whose records extend into the early 1800s.



## 6 A New Approach to Hilbert's Third Problem

by Tommy Newton

David Benko's "New Approach to Hilbert's Third Problem" has been called an elegant and elementary new solution to one of the most challenging problems in mathematics.

## 11 Writing the History of Kentucky's African Americans

by Carol Cummings

Dr. John Hardin is spearheading a statewide project that will give Kentuckians a better understanding of their African American heritage.



## 14 Creating International Library Classrooms

by Bob Skipper

Two library media education researchers have devised a hybrid of a traditional classroom and a school library setting to help with English language learning in a primary school in Spain.

## 18 A Passion for Social Studies

by Carol Cummings

Dr. Kay Gandy has developed the art of inspiring students to have an interest in and love for social studies and geography.



## 22 Wrangling Web Data

by Bob Skipper

Dr. Guangming Xing has developed a way to automatically transform Web information so that it can be stored in a database.

## 25 Climate Variation: Answers from the Soil

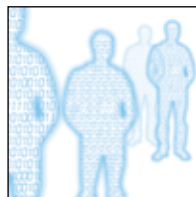
by Tommy Newton

To borrow a line from an old country song, Dr. Rezaul Mahmood was climate change before climate change was cool.

## 28 The Human Side of the Digital Divide

by Bob Skipper

Has the use of e-mail created a digital divide among users? Kumi Ishii surveyed university employees to see the effect of e-mail on the human side of the contemporary workplace.



## 31 Research Briefs

Exercise and Immune System Cells, What Motivates Students to Cheat?, Tango!

## About the Cover

Dr. Kay Gandy, assistant professor in WKU's Department of Curriculum and Instruction, teaches future educators to make geography and social studies come alive in the classroom. She is shown here riding "the Wave" formation in Paria Canyon near Zion National Park.

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