### FACULTY SCHOLARSHIP **COUNCIL MEMBERS**

Dr. Richard Bowker Co-Chair, Office of Graduate Studies and Research

Dr. Phillip E. Myers Co-Chair, Office of Sponsored Programs

Dr. Donna Blackburn Dr. Aaron Celestian Dr. Yining Chen Dr. Walter Collett Dr. Lloyd Davies Dr. Lisa Durham Dr. Claus Ernst Dr. Michael Kallstrom Dr. Youn Kim Dr. George Kontos Dr. Kelly Madole Dr. Stephen K. Miller **Dr.Tom Nicholson** Dr. Rhonda Patterson Dr. Gay Helen Perkins Dr. Afzal Rahim Dr. Michael Seidler Dr. Sharon Spall

### EDITORS

Dr. Phillip E. Myers

Ms. Pamela Napier Office of Sponsored Programs <pamela.napier@wku.edu>

Dr. Gay Helen Perkins University Libraries <gay.perkins@wku.edu>

ART DIRECTOR Tom Meacham

## PHOTOGRAPHER

## DESIGNERS

Marcus Dukes Senior Desian

Scott French Graphic Designer **Emily Ballard** Karen Ford John Harris Stacy Lyvers Cal Long Jamie Payne

## WRITERS

**Carol Cummings Brooke Hadley Tommy Newton** Katherine Pennavaria Michael J. Sobiech Amy Wilk

### **About the Cover**

Dr. Eric Bain-Selbo has found a unique way to marry his studies in religion with his love for sports. Illustration by John Harris.

WKU Scholar is published semiannually for members of the public interested in Western Kentucky University scholarship and research. This magazine is produced by the Office of Graduate Studies and Research, the Office of Sponsored Programs, University Libraries, and the Office of University Relations.

Western Kentucky University 1906 College Heights Blvd. Bowling Green, KY 42101-1026



Office of Sponsored Programs <phillip.myers@wku.edu>

## LaDonna Harmon

# 也 WKU

## SCHOLA THE SPIRIT OF SCHOLARSHIP AND RESEARCH AT WESTERN KENTUCKY UN



## 2 Pass, Punt, and Proselytize?

By Carol Cummings and Tommy Newton Eric Bain-Selbo examines the similarities between college football and religion.



## 6 A Musical Life

By Katherine Pennavaria John Cipolla enhances his teaching through podcasts about practicing and performing on clarinet and saxophone.



10 Super-Sized Knots

By Katherine Pennavaria Claus Ernst and Uta Ziegler contemplate the mathematical and computational properties of knots.



## 12 Lessons in Family Leisure

By Michael J. Sobiech Raymond Poff studies the importance and effects of family involvement in leisure activities.



## **16** Class via Computer

By Michael J. Sobiech George Kontos helps instructors improve communication and learning in on-line classrooms.



## **20** Reaching for Health Care Equity

By Michael J. Sobiech Christine Nagy promotes community involvement to ensure equal access to early diagnosis of cancer for all women.



24 Research of a Computer Science Professor

By Brooke Hadley Qi Li researches facial recognition software - ways to improve it and ways to use it effectively.



## 26 Life in the Rock House Dorm

By Amy Wilk Kate Hudepohl and her students collect oral history interviews from former residents of the Rock House dorm.

## **31** Research Briefs

Meat Politics in the Land of Plenty; Extremal Graph Theory; African-American Academic Accountants; Czech Theatre Field Research