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## SCHOLAR THE SPIRIT OF DESCRIPCH AND CREATIVITY AT WESTERN KENTUCKY UNIVERSITY



2 All That Jazz by Michael J. Sobiech Dr. Marshall Scott's passion for the trumpet is essential for his work of cultivating young musicians and music teachers.



5 Green Research by Katherine Pennavaria For Dr. Yan Cao, carbon emissions are the energy problem of today.



8 Dialect is not Deficiency
by Jeanne Sokolowski
Dr. Elizabeth Winkler is an expert on creole languages,
some of which are spoken in areas of the United States.



12 A Star is Born: Una Merkel by Amy J. W. Slowik Sean Kinder hopes that his upcoming book on actress Una Merkel will bring this native Kentuckian back into the limelight where she belongs.



17 Can Dung Beetles Save the World?
by Michael J. Sobiech
While on a post-doctoral fellowship in South Africa, Keith
Philips decided to focus on nature's fertilizer—the dung beetle.



21 Microscopic Research Focus, Expansive Research Vision by Jeanne Sokolowski Dr. Rodney King researches how bacterial viruses exploit the molecular machinery of their host to express their own genes.



26 Cattle Business by Katherine Pennavaria Cows have no idea how much former Agriculture Department head Dr. Jenks Britt thinks about them.



28 Protecting our Waters and Human Health by Amy J. W. Slowik Dr. Vijay Golla studies the controversial use of atrazine in the United States and its effects on human health.

31 WKU Students win awards at Kentucky Academy of Science meeting