

**Grants: July-September 2006**

1. **Kain, Daniel.** U.S. Department of Education. GEAR-UP state grant proposal. \$2,706,402. Provide educational assistance to approximately 2,000 students in Arizona. (Education)
2. **Mehrdad, Khatibi.** Environmental Protection Agency. Funding for Institute for Tribal Environmental Professionals (ITEP). \$1,296,231. Provide tribal training support for American Indian air quality training program nationally. A second ITEP grant for air quality training courses for Alaskan Indian tribes. \$177,910. (ITEP).
3. **Hungate, Bruce.** Department of Energy. NICCR Center funding. \$1,289,691. Support research projects across the Western U.S. that study the impacts of climate change. (Biology)
4. **Schwartz, Egbert.** Department of Energy. Investigate impacts of climatic change on nitrogen cycling and soil microbial genomics. \$341,256. (Biology)
5. **Nabhan, Gary.** National Park Service. Center for Sustainable Environments (CSE). \$188,844. Create inventory of Southern Colorado plateau vertebrates and plants of the parks. (Colorado Plateau Cooperative Ecosystem Studies Unit—CPCESU)
6. **Wagner, David.** National Institute of Health. MGEN. \$150,002. Genetically characterize plague samples collected from multiple site sin western US. (Biology)

**Books/Creative Activity/Recognition & Awards**

1. **Berglund, Jeff.** (2006). *Cannibal fictions: American explorations of colonialism, race, gender and sexuality.* Madison, WI: University of Wisconsin Press. (English)
2. **Biber, Douglas.** (2006). *University language: A corpus-based study of spoken and written register.* Philadelphia: John Benjamins. (English)
3. **Bloom, Jeff.** (2006). *Creating a classroom community of young scientists.* 2<sup>nd</sup> ed. New York: Routledge. (Teaching and Learning)
4. **Casado, Matt.** (2006). *Hospitality management: A capstone course.* Columbus, OH: Prentice-Hall. (Hotel and Restaurant Management)
5. **Kooros, Mahmoudi.** (2006). *Sociological inquiry.* 9<sup>th</sup> ed. Dubuque, IA: Kendall/Hunt Publishing. (Sociology).
6. **Otenyo, Eric.** (Ed.). (2006). *Comparative public administration: The essential readings.* New York: Elsevier. (Political Sciences)
7. **Sommer, Stefan.** (2006). Video documentary premier, *A river reborn: The restoration of Fossil Creek.* Flagstaff, AZ, September 2006. (To be aired on PBS channels nationally in early 2007.) (Biology)

## National Institute for Climatic Change Research, Western Region (NICCR)

One of four Regional Institutes across the US, NAU's NICCR facilitates climatic change research in 13 states across the western US for the US Department of Energy. Other regions are hosted by Penn State University, Duke University, and Michigan Technological University. From 2005 to 2010, the NAU NICCR Center expects to award over \$10,000,000 in grants for climatic change research across the western US. (co-PIs: Bruce Hungate and George Koch)

### Research Profiles

**Douglas Biber** is Regent's Professor of Applied Linguistics in the English Department. He received his PhD in Linguistics from the University of Southern California and came to NAU in 1990. In addition to his new book noted in this Update, Professor Biber:

- has authored and edited 11 other books since 1986 with Cambridge University Press, Oxford University Press, Longman/Pearson, and John Benjamins
- has produced over 130 journal articles and chapters in edited volumes
- has been invited to give lectures, conference plenaries, and short courses in more than 20 countries around the world
- awarded an honorary doctorate from Uppsala University in Sweden
- has received over one million dollars in grants from the National Science Foundation, Educational Testing Service, and Longman/Pearson.

He has a major international reputation in applied linguistics and he is considered a pioneer in the field of corpus linguistics—the analysis of language structure and variation based on large computerized samples of written and spoken language. He co-authored and was lead editor of the *Longman grammar of spoken and written English*, which is considered one of the major contemporary reference grammars of the English language. The analyses of English grammar presented in the reference book are based solely on results of corpora analysis of several very large collections of materials. He is also the Director of the Corpus Linguistics Research Program at NAU and regularly hosts international visitors who come to consult with him and learn new computer-automated corpus linguistic techniques.

**Bruce Hungate** is Professor in the Biology Department. He received his Bachelors' degrees in Music, English, and Biology from Stanford University and his PhD in Biology from University of California-Berkeley. After three years of post-doctoral work, he came to NAU in 1998. In addition to the new grant and the NICCR Western Regional Center recently established on campus, Professor Hungate

- has received 17 major external grants as PI or co-PI since coming to NAU in 1998, including grants from the National Science Foundation, the Andrew W. Mellon Foundation, the US Department of Energy, the Department of Agriculture, and the US Forest Service
- has received well over 11 million dollars in external grant funding in the past 7 years (as PI or co-PI).
- has published 47 major journal article and book chapters since 1998, including 2003 and 2004 publications in *Science*, and 2003 and 2006 publications in *Ecology*

He has established a very productive Ecosystem Ecology Lab at NAU that examines the roles of plants and micro-organisms in ecosystem processes. A major issue is how biogeochemical systems respond to global changes in ecosystems, including the impacts of increasing carbon dioxide in the atmosphere, climatic change, and altered land uses. He is also the Director of the Colorado Plateau Stable Isotope Laboratory, as well as Co-Director (with George Koch) of the National Institute for Climatic Change Research (NICCR).