

### Grants: July 2007

1. **Barlow, Nadine.** National Aeronautics and Space Administration. \$45,037. To produce a GIS-based database of the morphologic characteristics of all impact craters on Jupiter's moon Ganymede. (Physics and Astronomy)
2. **Downum, Chris.** National Park Service. \$47,875. To assist in an investigation of the architectural history of dwellings in Grand Canyon's Lower Cliff. (Anthropology)
3. **Gibb, Alice.** National Science Foundation. \$171,158. To examine the underpinnings and ramifications of functional convergence in a species-rich and diverse vertebrate group, the Teleost fishes. (Biology)
4. **Kaufman, Darrell.** National Science Foundation. \$104,531. Facilities support for the Amino Acid Geochronology Laboratory. (Geology)
5. **Khatibi, Mehrdad.** Environmental Protection Agency. \$1,310,816. To provide Native tribes with training, education, and technical assistance to address air quality management issues. (Institute for Tribal Environmental Professionals)
6. **Martin, Joseph.** US Department of Education. \$279,041. To provide a model of culturally responsive and reservation-cohort based administrator training to 25 Navajo and Hopi participants. (Educational Leadership)

### Selected Books/Creative Activity/Recognition & Awards: July 2007

1. **Beckstrom-Sternberg, Steve.** (July 2007). Tandem block signatures are shared across multiple bacterial genomes. Presented at the 15th Annual Intelligent Systems in Molecular Biology and European Conference on Computational Biology, Vienna, Austria. (Biology)
2. **Bloom, Jeffrey W., & Volk, T.** (2007). The use of metapatterns for research into complex systems of teaching, learning, and schooling. Part II: Applications. *Complicity: An International Journal of Complexity and Education*, 4(1), 45-68. (Education)
3. **Flikkema, Paul G.** (May 2007). From Data Reverence to Data Relevance: Model-Mediated Wireless Sensing of the Physical Environment. Paper presented at the 2007 International Conference on Computational Science, Beijing, China. (Electrical Engineering)
4. **Golden, Angela.** (June 2007). Invited podium presentation: Problem in America: Methamphetamine and other designer drugs. AANP 22nd Annual Conference. Indianapolis, IN. (Nursing)
5. **Reyhner, Jon A.** (2007). Assimilation, Language, Language Renewal. In *Encyclopedia of American Indian History*. Oxford, UK: ABC-CLIO. (Education)
6. **Vadasz, Peter.** (2007). On the paradox of heat conduction in porous media subject to lack of local thermal equilibrium. *International Journal of Heat and Mass Transfer* 50, 4131-4140. (Mechanical Engineering)
7. **Smith, Zachary A., and Moan, Jaina.** (July, 2007). *Energy Use Worldwide: A Reference Handbook*. Santa Barbara, CA: ABC-CLIO. (Political Science)

## **ITEP: Institute for Tribal Environmental Professionals**

In 1992, the Institute for Tribal Environmental Professionals (ITEP) began with an overarching vision, a small grant from the US EPA, and some base funding from NAU to support a staff of three to promote and advance tribal environmental education issues. This initial investment by the university and EPA has helped to establish ITEP as a national leader in training and education for tribal environmental professionals. The result has been 13 years of steady growth and development. ITEP now has a staff of 31 full and part-time employees, as well as 20 NAU students, located on the campus of NAU, in Las Vegas, Nevada and as far away as Anchorage, Alaska working to develop and offer training programs ranging from air quality, solid waste, water quality and environmental education. From 1992 to 2004, ITEP has offered a total of 248 training courses to 4,304 tribal environmental professionals representing 408 tribes of the 576 federally recognized tribes from across the nation.

ITEP's goals include:

1. Develop ITEP into a national multi-media environmental training and education organization for tribes
2. Develop complimentary partnerships with NAU colleges and units to promote undergraduate and graduate Native American education
3. Develop an international reputation as an environmental training and education resource for indigenous people everywhere

## **Researcher Profiles**

**Mehrdad Khatibi** is the Associate Director for the Institute for Tribal Environmental Professionals (ITEP). He had been serving as Interim Director for two years, and has recently stepped down as Calbert Seciwa of the Zuni Tribe was hired as Director. Mr. Khatibi is a graduate of Western Washington University, Huxley College of Environmental Studies, and has a BS degree in environmental policy and assessment. Mr. Khatibi has been working in the Native American environmental and natural resource management field since 1996. Prior to joining ITEP in 2003, he worked for the Pueblo of Jemez, New Mexico, as Director for the Jemez Department of Resource Protection.

Mr. Khatibi's professional experiences include: EPA Region 6 Tribal Operations Committee delegate, Department of Energy State Tribal Government Working Group delegate, New Mexico Inter-tribal Resource Advisory Council, development of multi-media environmental monitoring programs, budget development and management, and strategic resource management and planning. He works closely with faculty and university leadership to promote environmental education and collaboration with tribal governments. In collaboration with ITEP program managers, Mr. Khatibi has raised over \$8 million in grants to support ITEP's mission.

**Joseph Martin** received his BS in Elementary and Secondary Education from Arizona State University and an EdD in Educational Administration from the University of Northern Colorado in 1982. He is currently Associate Professor of Education (Educational Leadership Department) and Director of the Diné-Hopi School Administrators Training Program. Dr. Martin came to NAU in 1997 as a visiting assistant professor and research fellow in the College of Education and Institute for Native Americans. Prior to that, Dr. Martin served as the Superintendent of schools in the Kayenta Unified School District for over 10 years. Before that, he had held a number of administrative positions in American Indian or reservation-based schools in Colorado, Wyoming, and Minnesota, and was an Education Program Specialist for the Office of Indian Education in Washington D.C.

Dr. Martin has extensive experience as an expert on American Indian and tribal education, and has served on numerous boards and committees. His professional accomplishments include 28 reports and articles in journals such as the Educational Administration Quarterly and the North Central Association for Colleges and Schools; 54 presentations at national and southwest regional conferences, 27 of which he was keynote speaker; and 29 awards and honors, including recognitions from American Indian school districts and educational associations.