

The Informant

the weekly Newsletter of the

The Department of Anthropology • University of California, Santa Barbara



Number 91

May 23, 2008

The Anthropology Office will be closed Monday, 5/26, which is a campus holiday. The office reopens on Tuesday, 5/27.

KUDOS:

To Valerie Andrushko for National Geographic Society's dissemination of an article that she co-authored with John Verano. See <http://news.nationalgeographic.com/news/2008/05/080512-inca-skulls.html>

DEPARTMENTAL EVENTS:

NON-TRADITIONAL APPLICATIONS OF ANTHROPOLOGICAL SKILLS AND KNOWLEDGE

Jack Stuster, PhD, CPE
Vice President and Principal Scientist
Anacapa Sciences, Inc

FRIDAY, MAY 30, 2008
3:30 P.M.
HSSB 2001 A

The anthropological perspective and specific skills associated with anthropology can be valuable assets in the "business world" and in non-academic or applied research settings. Dr. Stuster will describe how an anthropological approach and the skills that he learned at UCSB have benefited his performance as a scientist during more than 30 years of applied behavioral research. The presentation will be illustrated by examples drawn from his professional experience, which includes traffic safety research, program evaluation, human factors engineering, software development, and studies of the effects of isolation and confinement on human performance. Dr. Stuster is a member of a special committee of the National Academies of Science and the principal investigator of the only behavioral sciences experiment currently conducted onboard the International Space Station.

The lecture will be followed by a reception

EVENTS (IHC events are at end of newsletter):

THE 53RD ANNUAL FACULTY RESEARCH LECTURE
David Awschalom
"Engaging Diamonds in the Quantum Age"

**Wednesday, May 21, 2008, 4 p.m./Free
Kavli Institute for Theoretical Physics
Main Seminar Room, Kohn Hall**

Today, eighty years since Dirac developed the quantum theory of electron spin, contemporary information technology still relies largely on classical electronics: the charge of electrons for computation and the magnetic materials for permanent storage. This lecture, "Engaging Diamonds in the Quantum Age" will focus on the remarkable development of semiconductor spintronics, an area of research beyond today's electronics that aims to enable fundamentally new information technologies based on the quantum nature of the electron. Research at the frontiers of this field includes efforts to generate, manipulate, and transport these unusual states in a new generation of nanometer-scale structures. These developments have launched technological efforts aimed at developing applications ranging from secure data encryption to radical improvements in computation speed. The talk will describe recent advances towards these goals, including the surprising ability to control single spins for communication and computation in a material surrounding us for generations: diamond.

David Awschalom received his B.Sc. in physics from the University of Illinois at Urbana-Champaign, and his Ph.D. in experimental physics from Cornell University. He was a Research Staff member and Manager of the Nonequilibrium Physics Department at the IBM Watson Research Center in Yorktown Heights, New York. In 1991 he joined the University of California-Santa Barbara as a Professor of Physics, and in 2001 was additionally appointed as a Professor of Electrical and Computer Engineering. He is Director of the Center for Spintronics and Quantum Computation, and Associate Director of the California Nanosystems Institute. His group has research activities in optical and magnetic interactions in semiconductor quantum structures, spin dynamics and coherence in condensed matter systems, macroscopic quantum phenomena in nanometer-scale magnets, and implementations of quantum information processing in the solid state. He has developed a variety of femtosecond-resolved spatiotemporal spectroscopies and micromagnetic sensing techniques aimed at exploring charge and spin motion in the quantum domain. Professor Awschalom received an IBM Outstanding Innovation Award, the Outstanding Investigator Prize from the Materials Research Society, the International Magnetism Prize and Néel Medal from the International Union of Pure and Applied Physics, the Oliver E. Buckley Prize from the American Physical Society, the Agilent Europhysics Prize from the European Physical Society, and the Newcomb Cleveland Prize from the American Association for the Advancement of Science. Dr. Awschalom is a Fellow of the American Physical Society, the American Association for the Advancement of Science, the American Academy of Arts and Sciences, and a member of the National Academy of Sciences.

***Shipwreck Archaeology at Channel Islands National Park: 150 Years of Maritime
Technology***

An illustrated lecture by Kelly R. Minas, Park Archaeologist, Channel Islands National Park.

**Monday June 2, 2008
7:30 PM Farrand Hall
Santa Barbara Museum of Natural History**

This talk provides an overview of the Submerged Cultural Resources Program at Channel Islands National Park. The National Park Service – in partnership with the Channel Islands National Marine Sanctuary, the California State Lands Commission, and the avocational group Coastal Maritime Archaeological Resources – has located more than two dozen historic shipwrecks. Although the program is young and still developing, it has been instrumental in documenting and protecting more than 150 years of evolving maritime technology employed in a variety of enterprises around the Northern Channel Islands. Future goals for the program include the identifying and documenting more than 100 shipwrecks thought to exist around the islands, and searching for submerged prehistoric sites dating back more than 10,000 years.

JOB OPPORTUNITIES (details are posted under “Academic Positions” in the Departmental Reading Room):

- The *California Coalition for Rural Housing* is proud to announce our Eleventh Annual Internship Program for Diversity in Nonprofit Housing and Community Development.

We are currently recruiting for the 2008-2009 Program year and I write to you in hopes that you can help us disseminate the information below/attached and identify strong candidates for the Program. The Intern will be working at Cabrillo Economic Development Corporation, a nonprofit housing developer and services provider located in Ventura serving a dire need for habitable affordable housing in the area.

This is a very unique and dynamic internship program for students interested in learning about what it takes to build affordable housing and strong communities in underserved, diverse, rural and urban areas. We specifically target students of color who come from low-income, rural and/or immigrant backgrounds; juniors going on to their senior year; with a strong commitment to improve the quality of life of low-income communities. Application submission date is May 30, 2008

Let me know if you need further information. Thank you!

Gisela Salgado
Internship Program Coordinator
California Coalition for Rural Housing
PO Box 2009
La Mesa, CA 91943
Ph: (619) 741-0633
Fax: (619) 741-0644

FELLOWSHIPS/GRANTS (details posted under “Fellowships/Grants” in Dept. Reading Room):

- **RESEARCH MENTORS NEEDED 2008**

GET PAID, GET HELP, GET MORE DONE!!!

ALLOW AN EAGER FUTURE-RESEARCHER EXPERIENCE YOUR RESEARCH.

Graduate students, Post-doc's, and Faculty are needed as research mentors by the Summer Sessions Research Mentorship Program.

PAY: \$400 per mentee + \$200 for supplies per mentor

PERIOD: June 23rd through August 1st, 2008 (mentees start working with mentor on Wednesday June 25th)

INTERESTED: Please contact Miriam at <rmp@summersessions.ucsb.edu> or:893-8950

Researchers who would like to mentor, and could use the helping hands of a mature and bright, 16-18 year olds, are invited to join us as potential research mentors. If you are an active researcher, in any discipline, please share your love for research and discovery with highly selected, and extra-bright mature young minds from around the country (& the world).

Our students are NOT expected to complete a project. You can plan to engage them in multiple projects as needed.

These impressive youth come to us to experience the life of an active researcher in a discipline of their choice. Please allow them to breathe the true atmosphere of research and discovery around you. They will spend 5-8 hours a day, helping you, quickly learn to use the library, help you with data collection, data input, and data processing. Their growth and learning will come through experiencing critical thinking around you, and from participating in field and lab work under your guidance. They are eager to learn, and ready for intellectual stimulation.

UCSB is eager to have them return to us as TOP undergraduates.

Interdisciplinary Humanities Center Events

WORKSHOP: 11th Annual Workshop on American Indigenous Languages (WAIL)

Friday, May 23 - Saturday, May 24

Plenary address: *What's in a Middle?*

Keren Rice (Linguistics, University of Toronto and Swarthmore College)

Saturday, May 24 / 1:00 PM

McCune Conference Room, HSSB 6020

The annual Workshop on American Indigenous Languages (WAIL) is a forum for the discussion of theoretical and descriptive linguistic studies of indigenous languages of the Americas. Please see our website <http://orgs.sa.ucsb.edu/nailsg/index.html> for more specific information and for an updated schedule, and feel free to contact Verónica Muñoz Ledo or Joye Kiester at wail.ucsb@gmail.com with any questions.

Sponsored by the Dept. of Linguistics, the Native American Indian Languages Study Group (NAIL), and the Associated Students Finance Board.

Herman P. and Sophia Taubman Foundation Endowed Symposia in Jewish Studies at UCSB

READING: *An Evening with Allegra Goodman*

Monday, May 26 / 7:30 PM

Congregation B'nai B'rith, 1000 San Antonio Creek Road

Compared to Saul Bellow and Philip Roth on the pages of *Time* and called “a prodigy” by *The Wall Street Journal*, Allegra Goodman's rise through the ranks of contemporary American novelists has been breathtaking. She is the author of *Intuition* and *Paradise Park*, which were selected as *New York Times* Notable Books, *Kaaterskill Falls* which was a bestselling National Book Award finalist, and the acclaimed short story

collection, *The Family Markowitz*. Courtesy of Borders, copies of her books will be available for purchase and signing at this event.

Sponsored by the Herman P. and Sophia Taubman Foundation Endowed Symposia in Jewish Studies at the University of California, Santa Barbara, a program of the Interdisciplinary Humanities Center, UCSB Arts & Lectures, the Dept. of Religious Studies, Congregation B'nai B'rith, and Santa Barbara Hillel.