Pacific Coast Archaeological Society Quarterly

The Pacific Coast Archaeological Society Quarterly is a publication of the Pacific Coast Archaeological Society (PCAS), which was organized in 1961. PCAS is an avocational group originally founded to study and to preserve the anthropological and archaeological history of the original inhabitants of Orange County, California, and adjacent areas. The Publications Committee invites the submittal of original contributions dealing with regional history and prehistory. Although PCAS is especially interested in reports which shed further light on the early inhabitants of coastal southern California, it is always interested in reports on the wider Pacific Coast region.

Information about subscriptions to the Pacific Coast Archaeological Society Quarterly and the PCAS Newsletter is available online at www.pcas.org. Back issues of the Pacific Coast Archaeological Society Quarterly are available. An index to Volumes 1 through 40 is available as Volume 40, Numbers 3 & 4. This searchable index is online at www.pcas.org. Three Occasional Papers, on Catalina Island, Mexican Majolica, and the Peralta Adobe, have also been published by PCAS. To place an order, receive information about the Pacific Coast Archaeological Society, or submit an article for publication, email publications@pcas.org or write: Pacific Coast Archaeological Society, P.O. Box 10926, Costa Mesa, California, 92627. Additional information is available at www.pcas.org. PCAS is not responsible for delivery of publications to subscribers who have not furnished a timely change of address.

Recent issues of the Pacific Coast Archaeological Society Quarterly are available at www.pcas.org and can be downloaded and viewed, but not printed. Articles appearing in the Pacific Coast Archaeological Society Quarterly are abstracted in Historical Abstracts and America: History and Life. This issue of the Pacific Coast Archaeological Society Quarterly is copyrighted © 2011 by the Pacific Coast Archaeological Society. ISSN 0552-7252.

PCAS Officers 2009

President Sherri Gust
Vice President Ivan Strudwick
Secretary Rene Brace
Treasurer Tony Sawyer

Please note that this issue was published in November 2011. In the PCAS Quarterly publication sequence, this issue is Volume 45, Numbers 3 and 4 (subscription year 2009).
Contents

Archaeological Investigations at CA-KER-769, Tomo-Kahni State Historic Park, Sand Canyon, California ................................................................................................................................. 1
Mark Q. Sutton and Richard H. Osborne

Cupules as Containers: A Hypothesis .................................................................................................................. 91
Mark Q. Sutton, David W. Robinson, Gale Grasse-Sprague, and Jack Sprague

A Unique, Baculum-shaped Pestle from Southern Coastal Los Angeles County ...................................... 99
Henry C. Koerper and Richard H. Evans

Cover: Ceremonial pestle recovered from Feature 11 at CA-LAN-63.
Drawing by Joe Cramer.
About the Authors

Richard H. Evans, DVM, received a Bachelor of Science in Veterinary Medicine (1977), a Doctorate in Veterinary Medicine (1979) from the University of Illinois, and a postgraduate Master of Science in Wildlife Diseases and Pathology from Southern Illinois University at Edwardsville (1985). His interests in wildlife diseases and medicine have spanned the gamut from terrestrial carnivores and ungulates to marine invertebrates, fish, and marine mammals. He has authored over 50 papers on the diseases of wildlife, including recent investigations of novel bacterial diseases in marine mammals. He is currently the Medical Director for Pacific Marine Mammal Center, a NOAA licensed marine mammal rehabilitation center in Laguna Beach, California.

Gale Grasse-Sprague entered the world of archaeology in 1999 when she enrolled in the anthropology program at California State University, Bakersfield. With an interest in rock art, she spent a great deal of time in the San Emigdio Mountains exploring the terrain and searching for unrecorded rock art sites. As the past president of the Kern Country Archaeological Society, and with many years of involvement with ARARA, her experience in the realm of rock art recording is extensive. Ms. Grasse-Sprague has many publications in current circulation focusing mainly on her rock art investigations.

Henry Koerper, Ph.D., received a BA (1965) and an MA (1968) from UC Davis, and he earned a Ph.D. in anthropology at UC Riverside in 1981. His varied employments have included: CDF firefighter; USFS fire suppression field and laboratory researcher; California Army National Guard explosives technician; archaeological field excavator (e.g., Old Sacramento Project, Prescott College Black Mesa Project); Peace Corps teacher and athletic coach (Voi Harambee High School, Kenya); college anthropology professor (Chapman College [5 years] and Cypress Community College [30 years]); and archaeological consultant to several southern California CRM firms. Semi-retirement allows Dr. Koerper time to help produce the PCAS Quarterly.

Richard Osborne, MA, was born and raised in northern New Jersey and moved to southern California in 1970. He holds an AA degree from Fullerton College, a BA in sociology from California State University, Fullerton, and an MA in anthropology (archaeology) from California State University, Bakersfield. His interests include the construction and utilization of reed boats in prehistoric and historic populations; the fabrication, structure, and utility of stone mortars; and acculturation as it pertains to encounters of “first contact.” Since 1991, he has been involved in numerous public archaeology programs and teaching anthropology at Porterville College in central California.
David Robinson, Ph.D., is a lecturer in archaeology at the University of Central Lancashire in the United Kingdom. He graduated from the University of California, Santa Barbara, where he first became interested in south-central Californian rock art while working with the Rock Art Documentation Group. He completed a Ph.D. from the University of Cambridge (UK), studying the rock art of the Wind Wolves Preserve in Kern County, south-central California in 2006 and has researched rock art, graffiti, and landscapes in England, Spain, India, and California. His projects include collaborative work on the Stonehenge Riverside Project, The Archaeology of Nuclear Power, and the Enculturating Environments Project (www.antiqutacy.ac.uk/projgall/robinson323). He supervises a number of graduate students doing prehistoric and historical research in California, the Great Basin, and the UK.

Jack Sprague has been involved in archaeology and focused on recording rock art for the past 25 years. His scientific research and analysis have contributed substantially to the archaeological data base, particularly within Kern County. Jack has supported several advocacy organizations in various capacities, with the goal of preserving the rich archaeological resources in their specific locations. He is a site steward for the BLM and California State Parks, a docent for Tomo-Kahni State Park in Tehachapi, and a field trip leader for the Wind Wolves Preserve, while at the same time actively participating in archaeological research at the preserve. Jack has held every board position in the Kern County Archaeological Society at least once and is actively involved with the American Rock Art Research Association. Jack’s experience in the realm of rock art recording is extensive, and he has a number of publications in current circulation focusing on his research. He is employed by Pacific Legacy, Inc. as a staff archaeologist.

Mark Q. Sutton, Ph.D., began his career in anthropology in 1968. While still in high school, he took advantage of the opportunity to participate in archaeological excavations conducted by the local community college. He went on to earn a BA (1972), an MA (1977), and a Ph.D. (1987) in anthropology. He has worked as an archaeologist for the US Air Force, the US Bureau of Land Management, and various private consulting firms, and he has taught at a number of community colleges and universities. He taught at California State University, Bakersfield, from 1987 to 2007, where he retired as emeritus professor of anthropology. He now works for Statistical Research, Inc. in San Diego. From 1986 to 2000 Dr. Sutton served as the editor of the Journal of California and Great Basin Anthropology. Dr. Sutton has investigated hunter-gatherer adaptations to arid environments, entomophagy, prehistoric diet and technology, optimal foraging theory, and regional culture histories. Dr. Sutton has worked at more than 120 sites in western North America, has presented more than 120 papers at professional meetings, and has authored more than 170 books, monographs, and papers on archaeology and anthropology, including several articles in recent issues of the Pacific Coast Archaeological Society Quarterly.