

During my Spring 2017 sabbatical leave, I made significant progress toward fulfilling my research obligations for the Dilmun Bioarchaeology Project (DBP). The DBP, which I co-direct with Dr. Benjamin Porter (UC Berkeley), began in late 2008. Our objective is to inventory, analyze, and publish the materials from Peter Cornwall's 1940-41 archaeological expedition to Bahrain and eastern Saudi Arabia, which now reside in the Phoebe A. Hearst Museum of Anthropology. I direct the analysis of the human skeletal remains, which has identified a minimum of 35 individuals whose remains were excavated from the Bahraini burial mounds.

To facilitate my research, I was named a Visiting Scholar at the Hearst Museum in February 2017, a one-year appointment that is renewable for an additional year. Over the course of 14 research visits, I accomplished several goals, including: confirming the identification of skeletal elements and completeness counts for all individuals; creating visual inventories for 13 of the most well-preserved individuals; and applying a new aging technique (Transition Analysis) to 13 adult individuals. I also launched a pilot project for radiocarbon dating and stable isotope analysis in the Cornwall Collection, in coordination with Dr. Porter, Daniel Cusimano (SSU Anthropology alumnus, M.A. CSU East Bay) and Dr. Lesley Gregoricka (University of South Alabama). After recruiting Cusimano to analyze the animal remains from the Bahraini burial mounds, four animal bones were subjected to destructive analysis. We were pleased to see that the calibrated radiocarbon dates accorded with our expectation for Early Dilmun periodization based on the objects associated with one of the burials, and we now have reason to believe that the burials unaccompanied by objects also date to this period. The strontium, oxygen, and carbon isotope values provide useful reference points for future research which we plan to conduct on animal and human teeth to glean valuable information about diet and residential mobility in Early Dilmun society.

In addition to this research for the DBP, I completed a number of writing projects and conference presentations. I submitted two book chapters: "Writing Bioarchaeological Stories to Right Past Wrongs," to be published in *Bioarchaeologists Speak Out: Deep Time Perspectives on Contemporary Issues* (J.E. Buikstra, ed. Springer) and "A Skull's Tale: From Middle Bronze Age Subject to Teaching Collection Object," co-authored with SSU Anthropology alumna Madison Long, to be published in *Bioarchaeology, New Ways of Knowing: Bodies of Evidence in Analysis* (P.K. Stone, ed. Springer). With three current and former students (Long, and CRM MA students Rudy Dinarte and Erica Thompson), I wrote an invited commentary for *Bioarchaeology International* that is currently under review: "Building a Better Bioarchaeology Through Community Collaboration." Porter and I also wrote an article for the Spring 2017 issue of *Lotus Leaves*, the journal of the Society for Asian Art ("The Bronze Age Cemeteries of Ancient Dilmun." *Lotus Leaves* 19(2): 2-16). In addition, I wrote a comment on an article published in *Current Anthropology* (Comment on "Integrating Identities: An Innovative Bioarchaeological and Biogeochemical Approach to Analyzing the Multiplicity of Identities in the Mortuary Record." *Current Anthropology* 58(3)). Finally, I gave two conference presentations: "Scales of analysis and modes of interpretation in osteobiography: An example from the Dilmun

Bioarchaeology Project,” presented at the Society for American Archaeology annual meeting (Vancouver, April 2017), and, co-authored with Dinarte, “I am a Californiano”: Remembering the Bear Flag Revolt and Constructing Identity in Sonoma County,” presented at the Society for California Archaeology annual meeting (Fish Camp, CA, March 2017).

On the whole, my sabbatical leave was very productive, in terms of the data collection and analysis that I conducted for the DBP, as well as the writing projects that I completed. I am grateful to have had this opportunity and look forward to the next time I am able to take a sabbatical leave.