

Résumé for Thomas S. Dye

Personal Information

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 Born 8/16/52, Watervliet, Michigan

Education

1987 Ph.D., Anthropology, Yale University
 1983 M.Phil., Anthropology, Yale University
 1980 B.A., Anthropology, University of Hawai‘i at Mānoa

Archaeological Positions Held

2001–present President, T. S. Dye & Colleagues, Archaeologists, Inc.
 2004 Guest Lecturer on Bayesian Statistics for Archaeologists, University of Arizona
 1997–2001 Associate Archaeologist, Projects Manager, International Archaeological Research Institute, Inc.
 1997 Instructor, Historic Preservation Seminar, University of Hawai‘i at Mānoa
 1991–1997 O‘ahu Island Archaeologist, Department of Land and Natural Resources, State of Hawaii
 1987–1991 Associate Professor of Anthropology, Hawai‘i Pacific University, Honolulu
 1987 Research Associate, B.P. Bishop Museum, Honolulu
 1984–1985 Associate Anthropologist, B.P. Bishop Museum
 1977–1978 Staff Contract Archaeologist, B.P. Bishop Museum

Professional Memberships

Hawaiian Historical Society, Past President
 Society for Hawaiian Archaeology, President and Past President
 Sigma Xi
 Society for American Archaeology
 Register of Professional Archaeologists

Research Interests

- ¹⁴C dating Primary interests are identification of suitable dating materials, full specification of dated archaeological contexts, and Bayesian calibration. Recent focus on the ages of sites on the Waimānalo plain near the Bellows Dune site has shown that most of the plain was used late in traditional Hawaiian times, casting doubt on the hypothesis that the Bellows Dune site is a particularly old site.
- Fish remains Primary interests are fish remains identification, statistical analysis of collections, and interpretation of patterns across space and through time. Published a manual of fish remains identification with Ken Longenecker. Established collection size/diversity relationship for leeward Hawai‘i Island. Developed a method to estimate the distribution of fish sizes from measurements of vertebrae centrum diameters. Discovered with Ken Longenecker that bonefish were a major component of the traditional Hawaiian fishing catch at Waimānalo.
- Statistics Primary interests are exploratory multivariate data analysis and its application to archaeological collections and statistical shape analysis. Developed graphical software for star plots distributed with the R Project for Statistical Computing and used this software package to invent a graphical display of large collections over the space of an excavation, which was applied to excavations at site 50–80–15–4856 on the Waimānalo plain. Developed a set of landmarks for shape analysis of fishhooks and am investigating shape changes over time for a large collection from Hawai‘i Island.
- Social change Developing the necessary theory to evaluate and refine a hypothesis proposed by Rob Hommon concerning changes in rights of person of traditional Hawaiian commoners.

List of Publications and Reports

- [1] Thomas S. Dye and Elaine H. R. Jourdane. *Archaeological Assessment for the Proposed Cingular Wireless Kaunakakai Cell Site No. MAUIH110258, 25 Kaunakakai Place, Kaunakakai, Kona District, Moloka‘i Island, TMK:(2)5–3–1:076 por.* Prepared for Clayton Group Services, Inc. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, June 2006.
- [2] Windy K. McElroy, Thomas S. Dye, and Elaine H. R. Jourdane. *Archaeological Monitoring and Investigations During Installation of Leach Fields at Bellows Air Force Station and Hickam Air Force Base, Waimānalo, Ko‘olaupoko, and Moanalua, Kona, O‘ahu.* Prepared for Shaw Environmental, Inc. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, February 2006.
- [3] Thomas S. Dye. *An Archaeological Assessment of a Coastal Lot, TMK:(4)5–9–05:029, at Hā‘ena, Halele‘a, Kaua‘i.* Prepared for Landmark Consulting Services Inc. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, July 2005.

- [4] Thomas S. Dye. *A Burial Treatment Plan for the Coastal Portion of Kaiholena Ahupua'a, North Kohala, Island of Hawai'i*. Prepared for Pohaku Kea, LLC. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, January 2005.
- [5] Thomas S. Dye. *Cultural Impacts Assessment of a Coastal Lot, TMK:(4)5-9-05:029, at Hā'ena, Halele'a, Kaua'i*. Prepared for Landmark Consulting Services. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, July 2005.
- [6] Thomas S. Dye. *Data Recovery Plan for the Portion of Site 50-30-02-1878 at TMK:5-8-9:41, Wainiha, Halele'a, Kaua'i*. Prepared for Matthew Hunter. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, June 2005.
- [7] Thomas S. Dye. *Inventory Survey Plan for Communication Line Installation at Marine Corps Training Area-Bellows, Waimānalo, O'ahu, Hawai'i*. Prepared for J. M. Waller Associates. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, July 19 2005.
- [8] Elaine H. R. Jourdane and Thomas S. Dye. *Archaeological Assessment for the Proposed Verizon H12 Haiku Cell Site, Haiku Marketplace, Haiku, Makawao, Maui*. Prepared for Clayton Group Services. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, July 2005.
- [9] Thomas S. Dye. *Archaeological Survey of the Proposed Visitors' Quarters, Hickam Air Force Base, O'ahu, Hawai'i*. Prepared for Parsons. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, July 2004.
- [10] Thomas S. Dye. *Data Recovery Plan for Sites in the Coastal Portion of Kaiholena Ahupua'a, North Kohala, Hawai'i (TMK:5-8-01:11)*. Prepared for Pohaku Kea, LLC. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, July 27 2004.
- [11] Thomas S. Dye and Ken Longenecker. *Manual of Hawaiian Fish Remains Identification*. Number 1 in Special Publication. Society for Hawaiian Archaeology and Bishop Museum Press, Honolulu, 2004.
- [12] Jeffrey L. Putzi and Thomas S. Dye. *Archaeological Inventory Survey of a Beach Lot in Kailua, TMK:4-3-22:11*. Prepared for Steve Funke, 424 N. Kalaheo Avenue, Kailua, HI 96734. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, January 2004.
- [13] Jeffrey L. Putzi and Thomas S. Dye. *Archaeological Monitoring Report for Architectural Barrier Removal Work at Ali'iolani Hale in Downtown Honolulu, Hawai'i (TMK:2-1-25-003)*. Prepared for Oceanic Companies, Inc. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, March 2004.
- [14] Thomas S. Dye and Kepā Maly. *Archaeological Survey of a Portion of Ke'ei Makai, South Kona, Hawai'i Island*. Prepared for Kamehameha Schools, Land Assets Division. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, August 2003.
- [15] Thomas S. Dye. *Revised Archaeological Inventory Survey at Kaiholena Ahupua'a, North Kohala, Hawai'i*. Prepared for Pohaku Kea, LLC. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, May 2003.

- [16] Seamus T. Puette and Thomas S. Dye. *Archaeological Monitoring Plan for Architectural Barrier Removal Work at Ali'iōlani Hale in Downtown Honolulu, Hawai'i*. Prepared for Oceanic Companies, Inc. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, January 2003.
- [17] Michael E. Desilets and Thomas S. Dye. *Archaeological Monitoring and Sampling During Bellows OU7 UST Removal Project Interim Remedial Action, Phase I, Bellows Air Force Station, Waimānalo, Ko'olaupoko, O'ahu*. Prepared for U.S. Army Corps of Engineers. International Archaeological Research Institute, Inc., Honolulu, January 2002.
- [18] Thomas S. Dye, Maurice Major, Michael E. Desilets, and MaryAnne B. Maigret. *Archaeological Inventory Survey of Portions of Kekaha Kai State Park*. Prepared for Group 70 International. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, December 2002.
- [19] Thomas S. Dye, Mike T. Carson, and Myra Jean Tomonari-Tuggle. *Archeological Survey of Sixty Acres of the Kīpahulu Historic District Within the Kīpahulu District of Haleakalā National Park, Maui*. Prepared for Department of the Navy, Pacific Division, Naval Facilities Engineering Command. International Archaeological Research Institute, Inc., Honolulu, February 2002.
- [20] Thomas S. Dye, Kepā Maly, and J. Stephen Athens. *Supplemental Research to Support an Archaeological Inventory Survey of Puu Lani Ranch Phase II, Pu'u Anahulu, Kona, Hawai'i*. Prepared for Puu Lani Ranch. International Archaeological Research Institute, Inc., Honolulu, July 2002.
- [21] Thomas S. Dye. *Archaeological Data Recovery in the Barren Zone, Manini'ōwali and Kūki'o 2nd Ahupua'a, Kona, Hawai'i*. Prepared for W/B Manini'ōwali. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, June 2002.
- [22] Thomas S. Dye. *Archaeological Monitoring Plan for Groundwater Investigation at the Pier Dump Site, Bellows Air Force Station, O'ahu, Hawai'i*. Prepared for CH2M Hill. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, November 2002.
- [23] Thomas S. Dye. *Archaeological Monitoring Report for Renovations to No. 1 Capitol District Building*. Prepared for Allied Construction, Inc. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, May 2002.
- [24] Thomas S. Dye and Mike T. Carson. *Phase II Detailed Recording of Sixty Acres at Kipahulu Historic District, Haleakala National Park, Maui*. Draft final prepared for Haleakala National Park. International Archaeological Research Institute, Inc., Honolulu, May 2001.
- [25] Thomas S. Dye and Kepa Maly. *Supplemental Research to Support an Archaeological Inventory Survey of Puu Lani Ranch Phase II, Pu'u Anahulu, Kona, Hawai'i*. Prepared for Puu Lani Ranch. International Archaeological Research Institute, Inc., Honolulu, January 2001.

- [26] Thomas S. Dye. *Archaeological Monitoring Plan for Site Inspection at Areas of Concern 18, 20, and 21, Bellows Air Force Station*. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, September 2001.
- [27] Thomas S. Dye. *Archaeological Monitoring Plan for Renovations to No. 1 Capitol District Building*. Prepared for Allied Construction, Inc. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, November 2001.
- [28] Thomas S. Dye and Kepā Maly. *Archaeological Inventory Survey of the Coastal Portion of Kaiholena Ahupua‘a, North Kohala, Hawai‘i*. Prepared for Pohaku Kea LLC. International Archaeological Research Institute, Inc., Honolulu, January 2001.
- [29] Thomas S. Dye. *Archaeological Data Recovery Plan and Detailed Interim Preservation Plan for Historic Sites at Kaiholena, North Kohala, Hawai‘i Island*. Prepared for Pohaku Kea LLC. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, December 2001.
- [30] Thomas S. Dye. *Final Detailed Interim Preservation Plan for Historic Sites at Manini‘owali and Kūki‘o 2 Ahupua‘a, North Kona, Hawai‘i Island*. Prepared for W/B Manini‘owali. T. S. Dye & Colleagues, Archaeologists, Inc., Honolulu, September 2001.
- [31] Boyd Dixon, David J. Welch, Thomas S. Dye, and Tina Mangieri. *Phase II Archaeological Survey of the Military Lease Area (Former VOA Areas B and C), Island of Tinian, Commonwealth of the Northern Mariana Islands*. Prepared for Department of the Navy, Pacific Division, Naval Facilities Engineering Command, Pearl Harbor. International Archaeological Research Institute, Inc., Honolulu, September 2000.
- [32] Thomas S. Dye and Usha Prasad. *Archaeological Update and PASH Rights Interviews for Kona International Airport at Keahole*. Prepared for Edward K. Noda and Associates, Inc. International Archaeological Research Institute, Inc., Honolulu, April 2000.
- [33] Thomas S. Dye. Effects of ^{14}C sample selection in archaeology: An example from Hawai‘i. *Radiocarbon*, 42(2):203–217, 2000.
- [34] Thomas S. Dye. *Archaeological Data Recovery Plan and Detailed Interim Protection Plan for Historic Sites at Manini‘owali and Kūki‘o 2 Ahupua‘a, North Kona, Hawai‘i Island*. Prepared for Maniniowali Equity Company, LLC. International Archaeological Research Institute, Inc., Honolulu, 2000.
- [35] Thomas S. Dye. A Bayesian calibration of ^{14}C determinations from two sinkholes and a surface habitation feature at Barbers Point, O‘ahu. In *Archaeological Data Recovery Report for the Archaeological Sites in the Proposed Barber’s Point Harbor Expansion Area, Kalaeloa, Ahupua‘a of Honouliuli, District of ‘Ewa, Island of O‘ahu (TMK:9–1–14:2)*, Prepared for Hawaii State Department of Transportation, Harbors Division. Cultural Surveys Hawaii, Kailua, HI, September 2000.

- [36] Richard K. Olmo, Tina Mangieri, David J. Welch, and Thomas S. Dye. *Phase II Archaeological Survey and Detailed Recording at Commander, U.S. Naval Forces Marianas (COMNAV VMARIANAS) Communications Annex (Formerly Naval Computer and Telecommunications Area Master Station, Western Pacific [NCTAMS WESTPAC]), Territory of Guam, Marianas Islands*. Prepared for Department of the Navy, Pacific Division, Naval Facilities Engineering Command. International Archaeological Research Institute, Inc., Honolulu, May 2000.
- [37] Myra J. Tomonari-Tuggle and Thomas S. Dye. *Archaeology Monitoring Plan, AMC Parking Ramp Fuel Spill Clean-Up, Hickam Air Force Base, O'ahu, Hawai'i*. Prepared for Environmental Chemical Corporation. International Archaeological Research Institute, Inc., Honolulu, October 2000.
- [38] Myra J. Tomonari-Tuggle, Eric K. Komori, Thomas S. Dye, and Judith R. McNeill. *Cultural Landscape Pilot Project for Supporting Implementation of the Integrated Cultural Resources Management Program at the Schofield Barracks Military Reservation, Island of O'ahu*. Prepared for U.S. Army Corps of Engineers. International Archaeological Research Institute, Inc., Honolulu, April 2000.
- [39] David J. Welch and Thomas S. Dye. *Research Design for a Cultural Resources Survey of Five Navy Surplus Guam Land Use Plan Parcels, Territory of Guam*. Prepared for Department of the Navy, Pacific Division, Naval Facilities Engineering Command. International Archaeological Research Institute, Inc., Honolulu, February 2000.
- [40] Thomas S. Dye. *Archaeology Monitoring Plan for Underground Storage Tank Removal Project on ST11 Sites at Bellows Air Force Station, Hawai'i Project BFMV997775C*. Prepared for Dames and Moore. International Archaeological Research Institute, Inc., Honolulu, May 1999.
- [41] Myra J. Tomonari-Tuggle and Thomas S. Dye. *Archaeology Monitoring Plan for Removal of Underground Storage Tanks, Hickam Air Force Base, O'ahu, Hawai'i*. Prepared for Dames and Moore. International Archaeological Research Institute, Inc., Honolulu, June 1999.
- [42] H. David Tuggle and Thomas S. Dye. *Cultural Resources Inventory Survey for the Hawaii Army National Guard Training Academy, Bellows Air Force Station, Waimanalo, Island of O'ahu, Hawai'i*. Prepared for Hawaii Army National Guard. International Archaeological Research Institute, Inc., Honolulu, 1999.
- [43] Ingrid K. Carlson and Thomas S. Dye. *Archaeology Monitoring Report for Site Investigations at Multiple Sites, Bellows Air Force Station, Waimanalo, Ko'olaupoko District, O'ahu, Hawai'i*. Prepared for The Environmental Company, Inc. International Archaeological Research Institute, Inc., Honolulu, February 1998.
- [44] Michael E. Desilets and Thomas S. Dye. *Archaeological Monitoring and Sampling During Bellows OU7 UST Removal Project Interim Remedial Action, Phase I, Bellows Air Force Station, Waimānalo, Ko'olaupoko, O'ahu*. Draft report pre-

- pared for U.S. Army Corps of Engineers, Pacific Ocean Division. International Archaeological Research Institute, Inc., Honolulu, December 1998.
- [45] Thomas S. Dye. *Archaeological Services in Support of the Final Environmental Impact Statement for Proposed Expansion of Military Training and the Construction of Improvements to Existing Recreational Resources at Bellows Air Force Station, Waimānalo, Hawai‘i*. Report prepared for Department of the Navy, Pacific Division, Naval Facilities Engineering Command. International Archaeological Research Institute, Inc., Honolulu, September 1998.
- [46] Thomas S. Dye and Gail M. Murakami. *Archaeological Inventory Survey for the Kūlana ‘Ōiwi Multi-services Center Project*. Prepared for Kauahikaua & Chun/Architects. International Archaeological Research Institute, Inc., Honolulu, August 1998.
- [47] Thomas S. Dye. *Preservation Plan for Site 3312, Bellows Air Force Station, O‘ahu*. Prepared for Department of the Navy. International Archaeological Research Institute, Inc., Honolulu, September 1998.
- [48] Thomas S. Dye. Archaeological survey of property at Hā‘ena, Kaua‘i (TMK:5-9-5:1). Letter to Karen Sherwood in State Historic Preservation Division Library, Kapolei, HI, March 3 1998.
- [49] Thomas S. Dye. *Archaeological Inventory Survey for the Kulana ‘Oiwī Multi-Services Center Project, Kalama‘ula, Kona, Moloka‘i*. Prepared for Kauahikaua & Chun/Architects. International Archaeological Research Institute, Inc., Honolulu, August 1998.
- [50] Thomas S. Dye and H. David Tuggle. Land snail extinctions at Kalaeloa, O‘ahu. *Pacific Science*, 52(2):111–140, 1998.
- [51] Thomas S. Dye. *Port Allen Airport Improvements: An Assessment of Historic Preservation Issues, Hanapepe, Kona, Kaua‘i*. Prepared for Edward K. Noda and Associates, Inc. International Archaeological Research Institute, Inc., Honolulu, December 1997.
- [52] Thomas S. Dye and William R. Dickinson. Sources of sand tempers in prehistoric Tongan pottery. *Geoarchaeology*, 11:141–164, 1996.
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- [58] Thomas S. Dye and Eric K. Komori. Computer programs for creating cumulative probability curves and annual frequency distribution diagrams with radiocarbon dates. *New Zealand Journal of Archaeology*, 14:35–43, 1992.
- [59] Thomas S. Dye. The South Point radiocarbon dates 30 years later. *New Zealand Journal of Archaeology*, 14:89–97, 1992.
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- [62] Thomas S. Dye and David W. Steadman. Polynesian ancestors and their animal world. *American Scientist*, 78:207–215, 1990.
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- [66] Thomas S. Dye. Tales of two cultures: Traditional historical and archaeological interpretations of Hawaiian prehistory. *Bishop Museum Occasional Papers*, 29:3–22, 1989.
- [67] Thomas S. Dye. *Social and Cultural Change in the Prehistory of the Ancestral Polynesian Homeland*. PhD thesis, Yale University, 1987.
- [68] Paul L. Cleghorn, Thomas S. Dye, Marshall I. Weisler, and John Sinton. A preliminary petrographic study of Hawaiian stone adze quarries. *Journal of the Polynesian Society*, 94:235–251, 1985.
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for U.S. Army Engineer District, Pacific Ocean. Anthropology Department, B. P. Bishop Museum, Honolulu, August 1978.

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