

# ETHAN E. COCHRANE

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## OFFICE

University of Hawai'i  
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## HOME

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## EDUCATION

### EXPECTED

PH.D. UNIVERSITY OF HAWAI'I-HONOLULU, 2004

#### **Anthropology**

**Expected Ph.D. defense: October 2004**

**Dissertation Title:** "The Evolution of Cultural Diversity in Fiji: Ceramic Composition, Style, and Technology"

**Dissertation Advisors:** Drs. Terry Hunt (Chair), Michael Graves, Thomas Holland, Carl Lipo, Miriam Stark, and Leonard Freed

M.A. UNIVERSITY OF HAWAI'I-HONOLULU, 1998

#### **Anthropology**

**Thesis Advisors:** Drs. Terry Hunt (Chair), Michael Graves, and Miriam Stark

**Ph.D. comprehensive exams:** High Pass

B.A. UNIVERSITY OF WASHINGTON-SEATTLE, 1994

**Anthropology** (with Distinction), *magna cum laude*

**Honors Thesis Advisor:** Dr. Julie K. Stein

## RESEARCH INTERESTS

I am a Pacific archaeologist interested in the evolution of cultural diversity, population interaction, ceramic composition, technology and style, archaeological science, and archaeological method and theory.

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## PROFESSIONAL EXPERIENCE AND FIELD WORK

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### LECTURER

*University of Hawai'i  
Department of Anthropology  
and Outreach College*

#### **January 2003-Present**

Duties include teaching and design of anthropology classes and laboratory sections, supervision of teaching assistants, supervision of students on service learning trips, development and implementation of course budgets.

**RESEARCH  
ARCHAEOLOGIST**

*Pacific Prehistory Project (PPP)*  
*University of Hawai'i*  
*Department of Anthropology*

**Summers 2003, 2001, 1999-1996**

Excavation and survey in Fiji focused on explaining variation in colonization sites and changing complexity of interaction over time. Designed and taught Archaeological Field Schools in Fiji, summer 2003 and 2001.

**RESEARCH  
ARCHAEOLOGIST**

*Hawai'i Archaeological Research  
Project (HARP)*  
*University of Hawai'i*  
*Department of Anthropology*

**July 2002**

Conducted archaeological feature survey and mapping with mobile Trimble GPS units in the Kohala field system on Hawai'i Island. Project Co-directors: Drs. Thegn Ladefoged and Michael W. Graves.

**FORENSIC ARCHAEOLOGIST**

*U.S. Army Central Identification  
Laboratory Hawai'i (USACILHI)*  
*310 Worchester Ave.*  
*Hickam AFB, HI*  
*96853*

**December 2002-September 2001**

Directed forensic archaeology projects in southeast Asia and North Korea, leading archaeological crews of approximately 12 U.S. military personnel and up 300 local laborers. Conducted analyses of recovered material evidence. Conducted analyses of Ph.D. dissertation research. Wrote and peer-reviewed numerous technical reports. Served on internal committees. Supervisor: Dr. Thomas D. Holland.

**ARCHAEOLOGICAL  
PROJECT DIRECTOR,  
FIELD DIRECTOR, AND  
FIELD TECHNICIAN**

*International Archaeological  
Research Institute Inc. (IARII)*  
*2081 Young St. Honolulu, HI*  
*96826*

**May 2001-July 1994 (Intermittent Employment)**

As Project Director designed, conducted, and wrote reports for archaeological field projects in Samoa and the Hawaiian Islands; directed crews of 2-3 professional archaeologists and 5-20 local laborers. As Field Director and Field Technician lead crews on projects in Micronesia and the Hawaiian islands, including report writing and analytical responsibilities. General Manager: Dr. J. Stephen Athens.

**TEACHING ASSISTANT**

*University of Hawai'i*  
*Department of Anthropology*

**May 1999-August 1996**

Some teaching responsibilities, lead laboratory sections, performed grading and other administrative work.

**RESEARCH ASSOCIATE**

*Bernice P. Bishop Museum*  
*Anthropology Department*  
*1525 Bernice St. Honolulu, HI*  
*96817*

**July 1996-June 1995**

Conducted archaeological research and report writing for various cultural resource management projects in Hawai'i. Supervisor: Dr. Deborah I. Olszewski

**RESEARCH  
ARCHAEOLOGIST**

*Vijayanagara Research Project*  
*Hampi, Karnataka State, India*

**February 1995-November 1994**

Conducted mapping and survey at UNESCO World Heritage Site of Vijayanagara as part of Smithsonian Institution funded team. Project Director: Dr. John M. Fritz.

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## PUBLICATIONS

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### REFEREED JOURNAL ARTICLES AND BOOK CHAPTERS

- (2004) **Cochrane, E. E.**, M. Pietruszewsky, and M. T. Douglas, Culturally Modified Human Remains Recovered from an Earth-oven Interment on Waya Island, Fiji. *Archaeology in Oceania* 39(1):54-59.
- (2002) **Cochrane, E. E.**, Explaining the Prehistory of Ceramic Technology on Waya Island, Fiji. *Archaeology in Oceania* 37(1): 37-50.
- (2002) **Cochrane, E. E.**, Separating Time and Space in Archaeological Landscapes: An Example from Windward Society Islands Ceremonial Architecture. In, *Pacific Landscapes: Archaeological Approaches in Oceania*, edited by Thegn N. Ladefoged and Michael W. Graves. Easter Island Foundation, Los Osos, CA.
- (2001) **Cochrane, E. E.**, Style and Function: the Conflation of Process and Pattern. In, *Style and Function: Conceptual Issues in Evolutionary Archaeology*, pp. 183-202, edited by Teresa M. Hurt and Gordon F. M. Rakita. Bergin and Garvey, Westport, CT.
- (1998) **Cochrane, E. E.**, Recent Research and Future Advances in the Analysis of Polynesian Ceremonial Architecture: A Review Essay. *Asian Perspectives* 37(2): 279-300.

### OTHER PUBLICATIONS

- (in press) **Cochrane, E. E.**, Archaeological Investigations on Waya Island: the 2001 University of Hawai'i Archaeological Field School. *Domodomo* 16(1) [*Domodomo* is the semiannual research publication of the Fiji Museum.]
- (in press) **Cochrane E. E.**, Review of "Pacific Archaeology: assessments and prospects" (C. Sand). *Asian Perspectives* 44
- (2000) **Cochrane, E. E.**, Chronological Work in the Yasawa Islands, Fiji. *Waikato Radiocarbon Laboratory Newsletter* 5
- (1999) Hunt, T. L., K. F. Aronson, **E. E. Cochrane**, J. S. Field, L. Humphrey, and T. M. Reith, A Preliminary Report on Archaeological Research in the Yasawa Islands, Fiji. *Domodomo* 12(2):5-43.
- (1998) Graves, M W. and **E. E. Cochrane**, Comment on "The Goals of Evolutionary Archaeology: History and Explanation" (R. Lee Lyman and Michael J. O'Brien). *Current Anthropology* 39(5):632-634.
- (1998) **Cochrane, E. E.**, The Chronological and Spatial Relationships of Monumental Architecture: Seriation of Marae. *Rapa Nui Journal* 12(1):3-9.

### PUBLICATION WORK IN PROGRESS

- (submitted) Pietruszewsky M., M. T. Douglas, **E.E. Cochrane**, and S. Reinke, Cultural Modifications in an Adolescent Earth-Oven Interment from Fiji: Sorting out Mortuary Practice. *International Journal of Osteoarchaeology*.
- (in prep.) **Cochrane, E. E.**, Contracting Boundaries of Prehistoric Fijian Populations Evidenced through the Distribution of Ceramic Raw Materials. To be submitted to *Antiquity*.

- (in prep.) **Cochrane, E. E.**, Phylogenesis and Ethnogenesis in Fijian Prehistory: Cultural Transmission Patterns in Ancient Ceramics. To be submitted to *Journal of Anthropological Archaeology*.
- (in prep.) Graves, M. W. and **E. E. Cochrane**, editors, *Style in Oceania: Evolutionary Archaeology Approaches*.
- (in prep.) **Cochrane, E. E.**, Rethinking the Analysis of Marae in the Windward Society Islands: Methodological and Substantive Foundations. In, *Style in Oceania: Evolutionary Archaeology Approaches*, edited by M. W. Graves and E. E. Cochrane.
- (in prep.) **Cochrane, E. E.** and T. L. Hunt, Measuring Ceramic Stylistic Change in the Fiji Islands. In, *Style in Oceania: Evolutionary Archaeology Approaches*, edited by M. W. Graves and E. E. Cochrane.
- (in prep.) **Cochrane, E. E.**, C. P. Lipo, and M. W. Graves, The Study of Historical Relatedness: Integrating New Methods and Old Models in Archaeology. In, *Style in Oceania: Evolutionary Archaeology Approaches*, edited by M. W. Graves and E. E. Cochrane.
- (in prep.) Graves, M. W. and **E. E. Cochrane**, Evolutionary Perspectives on Homology. In, *Style in Oceania: Evolutionary Archaeology Approaches*, edited by M. W. Graves and E. E. Cochrane.

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## TEACHING

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### COURSES TAUGHT

#### **ANTH 151 – Emerging Humanity**

Anthropology Department, University of Hawai‘i, Spring and Fall 2003, Fall 2004. Taught introductory course on human evolution and the archaeology of culture satisfying the Global and Multicultural requirement of the University’s general education core. Course examined hominid evolution and human cultural diversification including the origins of food production, social complexity, and urbanism. Course included three laboratory components (two human paleontology and one archaeology) and two service-learning trips. Supervised one teaching assistant. Approximately 60 students per course.

#### **ANTH 210 - Archaeology**

Outreach College, University of Hawai‘i, Spring 2001. Designed and taught mid-level course introducing archaeological methods, theories, and major research areas including environment and subsistence, technology, trade and economy, social complexity, historic archaeology, historic preservation, and archaeological ethics. Six students.

#### **ANTH 381 – Archaeological Field Techniques**

Anthropology Department and Study Abroad Center, University of Hawai‘i, Summer 2001 and 2003. Designed and taught upper-division archaeological field school on remote island in Fiji. Course involved week orientation on campus covering Fijian protocol, culture, and history, and four weeks of archaeological excavation, survey, and field laboratory work. Designed and implemented course-generated budget of over \$50,000. Supervised a team of two to four teaching assistants. Approximately 18 students per course from various North American and European universities.

#### **ANTH 485 – Pre European Hawai‘i**

Anthropology Department and Outreach College, University of Hawai‘i, Spring 2003. Designed and taught upper-division semi-seminar (students led limited number of classes) focused on interpreting the archaeological and ethnohistoric literature, as well as primary document sources

to better understand Hawaiian society and culture around the time Europeans contacted Hawai‘i (A.D. 1778). Approximately nine students per course.

#### TEACHING ASSISTANTSHIPS

**Human Adaptation, Cultural Anthropology, Physical Anthropology, Physical Anthropology Lab, History of Anthropology, Archaeological Field Techniques, Hawaiian Archaeology, Geoarchaeology**

Anthropology Department, University of Hawai‘i, Fall 1996 to Spring 1999. Taught laboratory sections for Human Adaptation, Physical Anthropology, and Geoarchaeology, performed grading and other administrative work for all courses.

#### COURSES QUALIFIED TO TEACH

**Introduction to Anthropology, Physical Anthropology, Introduction to Artifact Analysis, Archaeological Ceramic Analysis, Geoarchaeology, World Archaeology, Hawaiian Archaeology, Landscape Archaeology, Quantitative Methods, Oceanic Archaeology, Pacific Island Cultures, Evolutionary Theory, History of Archaeological Theory, Archaeological Method and Theory, Anthropological Theory**

Courses for which I have research experience and prior teaching assistantship experience. Draft syllabi for these courses available upon request.

#### — COMPETITIVE FELLOWSHIPS, AWARDS, AND GRANTS —

##### **University of Hawai‘i Access to College Excellence (ACE) Professor of the Year (2003)**

Selected from over 50 faculty in the College of Arts and Sciences by freshmen students in the ACE program. The ACE program groups students into cohorts that take sets of similarly themed classes.

##### **California State University, Long Beach, Short-Term Visitor Program**

Support for training and compositional analysis of ceramic samples by LA-ICP-MS (2003). Room and board, travel expenses, and analytical supplies, approximately **\$USD 2,000**.

##### **US Army Central Identification Laboratory Hawai‘i (USACILHI), Research Participation Fellowship**

Research fellow engaged in both forensic archaeology and dissertation research. Administered by the Oak Ridge Institute for Science and Education (2002-2001). Annual fellowship stipend **\$USD50,400**.

##### **University of Hawai‘i College of Arts and Sciences Travel Grant**

Support for attending national anthropology meeting (2001) **\$USD 700**.

##### **University of Hawai‘i Arts and Sciences Advisory Council Grant**

Five grants awarded for various research projects in Fiji supporting travel, per diem, and analysis (2000-1996). Award figures: **\$USD 900, \$800, \$500, \$500, \$500**.

##### **University of Waikato, New Zealand, Waikato Archaeological Dating Fund**

Four radiocarbon dating determinations awarded for M.A. research (1997) **\$NZD 2,000**.

##### **National Science Foundation Graduate Fellowship**

Twice awarded honorable mention (1996, 1995).

**University of Hawai'i, Department of Anthropology, Pacific Asian Scholarship**  
Tuition award based on academic merit (1995).

————— **UNPUBLISHED REPORTS AND PRESENTATIONS** —————

**PEER-REVIEWED TECHNICAL REPORTS**

- (2001) **Cochrane, E. E.** and M. T. Carson, *Archaeological Inventory Survey for the Tualauta County Phase IIb Sewer Line Project, Tutuila, American Samoa, Volume I: Narrative Presentation*. Prepared for the American Samoa Power Authority. International Archaeological Research Institute, Inc. Honolulu.
- (2001) **Cochrane, E. E.** and M. T. Carson, *Archaeological Inventory Survey for the Tualauta County Phase IIb Sewer Line Project, Tutuila, American Samoa, Volume II: Site Summaries by Area*. Prepared for the American Samoa Power Authority. International Archaeological Research Institute, Inc. Honolulu.
- (2000) **Cochrane, E.E.**, *Archaeological Monitoring of the Kalaupapa Airport Perimeter Fence, Kalaupapa and Makanalua Ahupua'a, Kalawao District, Moloka'i*. Prepared for Walter Y. Arakaki, General Contractor, Inc. International Archaeological Research Institute, Inc. Honolulu.
- (2000) **Cochrane, E. E.** and J. S. Athens, *Archaeological Monitoring for Job No. 82050: Bilge and Oily Waste Water Collection Facilities, Phase I*. Prepared for Hawaiian Dredging Construction Company, Honolulu. International Archaeological Research Institute, Inc., Honolulu

**CHAPTERS IN PEER-REVIEWED TECHNICAL REPORTS**

- (2000) **Cochrane, E. E.**, *Archaeological Monitoring of Ordnance Sample Remediation at the Punakua Aerial Gunnery Range (Appendix B)*. In, *An Archaeological Reconnaissance at the Punakua Naval Land Target Area Kaluako'i Ahupua'a, Island of Moloka'i, Hawai'i*, by G. C. Burtchard. Prepared for US Army Engineer District, Honolulu, and Edward K. Noda and Associates, Inc. International Archaeological Research Institute, Inc. Honolulu.
- (2000) **Cochrane, E. E.**, *Archaeological Monitoring of Ordnance Sample Remediation at the Papohaku Aerial Gunnery Range (Appendix B)*. In, *An Archaeological Reconnaissance at the Papohaku Aerial Gunnery Range Kaluako'i Ahupua'a, Island of Moloka'i, Hawai'i*, by G. C. Burtchard and J. S. Athens. Prepared for US Army Engineer District, Honolulu, and Edward K. Noda and Associates, Inc. International Archaeological Research Institute, Inc. Honolulu.
- (1998) **Cochrane, E. E.**, *Ceramic Analysis (Appendix B)*. In, *Intensive Archaeological Survey For the Palau Compact Road, Babeldaob Island, Palau*, by S. K. Wickler, D. J. Welch, M. J. Tomonari-Tuggle, J. Liston, and H. D. Tuggle. Prepared for the U.S. Army Corps of Engineers, Pacific Division. International Archaeological Research Institute, Inc. Honolulu.

## INVITED CONFERENCE PRESENTATIONS

- (2003) Pietruszewsky, M., M. T. Douglas, **E. E. Cochrane**, and S. Reinke, *Cultural Modifications in an Adolescent Earth-Oven Interment from Fiji: Sorting Out Mortuary Practice*. Paper presented in the symposium “Mortuary Ritual and Human Taphonomy in Island Oceania” at the 68<sup>th</sup> annual meeting of the Society for American Archaeology, Milwaukee, WI.
- (2002) **Cochrane, E. E.**, J. Bauer, and T. L. Hunt, *Recent Field Work on Waya Island, Fiji*. Paper presented in the symposium “Advances in Pacific Island’s Archaeology” at the 67<sup>th</sup> annual meeting of the Society for American Archaeology, Denver, CO.
- (2001) **Cochrane, E. E.**, *Science and an Archaeology of Shreds and Patches*. Paper presented in the Sponsored Symposium (SAA Student Affairs Committee) “Archaeology as Anthropology: Perspectives at the Start of the New Millennium,” at the 66<sup>th</sup> annual meeting of the Society for American Archaeology, New Orleans, LA.
- (2000) **Cochrane, E. E.**, *Rethinking Marae Research: Monumental Architecture and Cultural Transmission*. Paper presented in the symposium “French Polynesian Prehistory” at the Pacific 2000 conference, Pahoia, HI.
- (1998) **Cochrane, E. E.**, *Interpreting the Cultural Landscape: Society Islands Marae*. Paper presented in the symposium “Landscapes and Human Interaction in Oceania” at the 16<sup>th</sup> Indo-Pacific Prehistory Association meeting, Melaka, Malaysia.
- (1998) **Cochrane, E. E.**, *The Past, Present, and Future of Homology*. Paper presented in the symposium “1978 to 1998: Function and Style Twenty Years Later” at the 63<sup>rd</sup> annual meeting of the Society for American Archaeology, Seattle, WA.
- (1998) **Cochrane, E. E.**, *Rethinking the Analysis of Marae in the Windward Society Islands*. Paper presented in the forum “Evolutionary Theory in Oceania: Applications to the Archaeological, Linguistic, and Ethnohistoric Records” at the 63<sup>rd</sup> annual meeting of the Society for American Archaeology, Seattle, WA.
- (1997) **Cochrane, E. E.**, *The Chronology of Social Groups: Seriations of Marae From the Society Islands, French Polynesia*. Paper presented in the symposium “Using Seriation in Processual Archaeology” at the 62<sup>nd</sup> annual meeting of the Society for American Archaeology, Nashville, TN.
- (1997) **Cochrane, E. E.**, *Assessing Archaeological Methods (or so Many Answers, so Little Time)*. Paper presented in the symposium “Analytical Archaeology in the Pacific” at the 10<sup>th</sup> annual meeting of the Society for Hawaiian Archaeology, Lihue, HI.
- (1996) **Cochrane, E. E.**, *Religious Architecture of the Society Islands: Chronology and Social Interaction*. Paper presented in the symposium “In Honor of Dr. Yoshihiki Sinoto” at the 9<sup>th</sup> annual meeting of the Society For Hawaiian Archaeology, Waikaloa, HI.
- (1996) Hunt, T. L. and **E. E. Cochrane**, *Prehistoric Social Organization in the Yasawa Islands of Fiji*. Paper presented in the symposium “Darwinian Archaeology and the Inference of Social Organization” at the 61<sup>st</sup> meeting of the Society For American Archaeology, New Orleans, LA.

## CONTRIBUTED CONFERENCE PRESENTATIONS

- (2003) **Cochrane, E. E.**, *Separating Homologous and Analogous Similarity is Necessary to Explain Population Histories: Recent Ceramic Research in Fiji*. Poster presented at the 102<sup>nd</sup> annual meeting of the American Anthropological Association, Chicago, IL.

(2000) **Cochrane, E. E.**, *Three Thousand Years of Ceramic Technology in Fiji*. Poster presented at the 65<sup>th</sup> annual meeting of the Society for American Archaeology, Philadelphia, PA.

(1996) **Cochrane, E. E.** and T. L. Hunt, *Taking Seriation Beyond Chronology: A Case Study from the Yasawa Islands of Fiji*. Paper presented at the 61<sup>st</sup> annual meeting of the Society for American Archaeology, New Orleans, LA.

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## SERVICE

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### REFEREE FOR MANUSCRIPT REVIEW

*Asian Perspectives*

### LEADERSHIP

#### **Symposium Co-Organizer**

“Computer-Aided Design Modeling in Archaeology,” a Student Affairs Committee sponsored session at the 68<sup>th</sup> annual meeting of the Society for American Archaeology, Milwaukee, WI. (2003)

#### **Symposium Chair and Co-Organizer**

“Using Seriation in Processual Archaeology,” a session at the 62<sup>nd</sup> annual meeting of the Society for American Archaeology, Nashville, TN (1997).

#### **Workshops**

“Interactive Lecturing Made Easy: some principles and processes to consider when moving beyond the one-dimensional lecture” Workshop presented during the Fall 2004 UH Center for Teaching Excellence Teaching Assistant Training and Orientation.

“Assessing Student Work: multi-disciplinary approaches.” Workshop presented during the Fall 2004 UH Center for Teaching Excellence Teaching Assistant Training and Orientation.

### MEMBER OF COMMITTEES

Society for American Archaeology, Student Affairs Committee (2001-present)

University of Hawai‘i, Dept. of Anthropology, Strategic Planning Committee (1998)

University of Hawai‘i, Dept. of Anthropology, Mission Statement Committee (1997-1998)

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## PROFESSIONAL DEVELOPMENT

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### PROFESSIONAL ORGANIZATION MEMBERSHIPS

Society for American Archaeology (1994-present)

Society for Hawaiian Archaeology (1996-present)

American Anthropological Association (and Archaeology section) (2001-present)