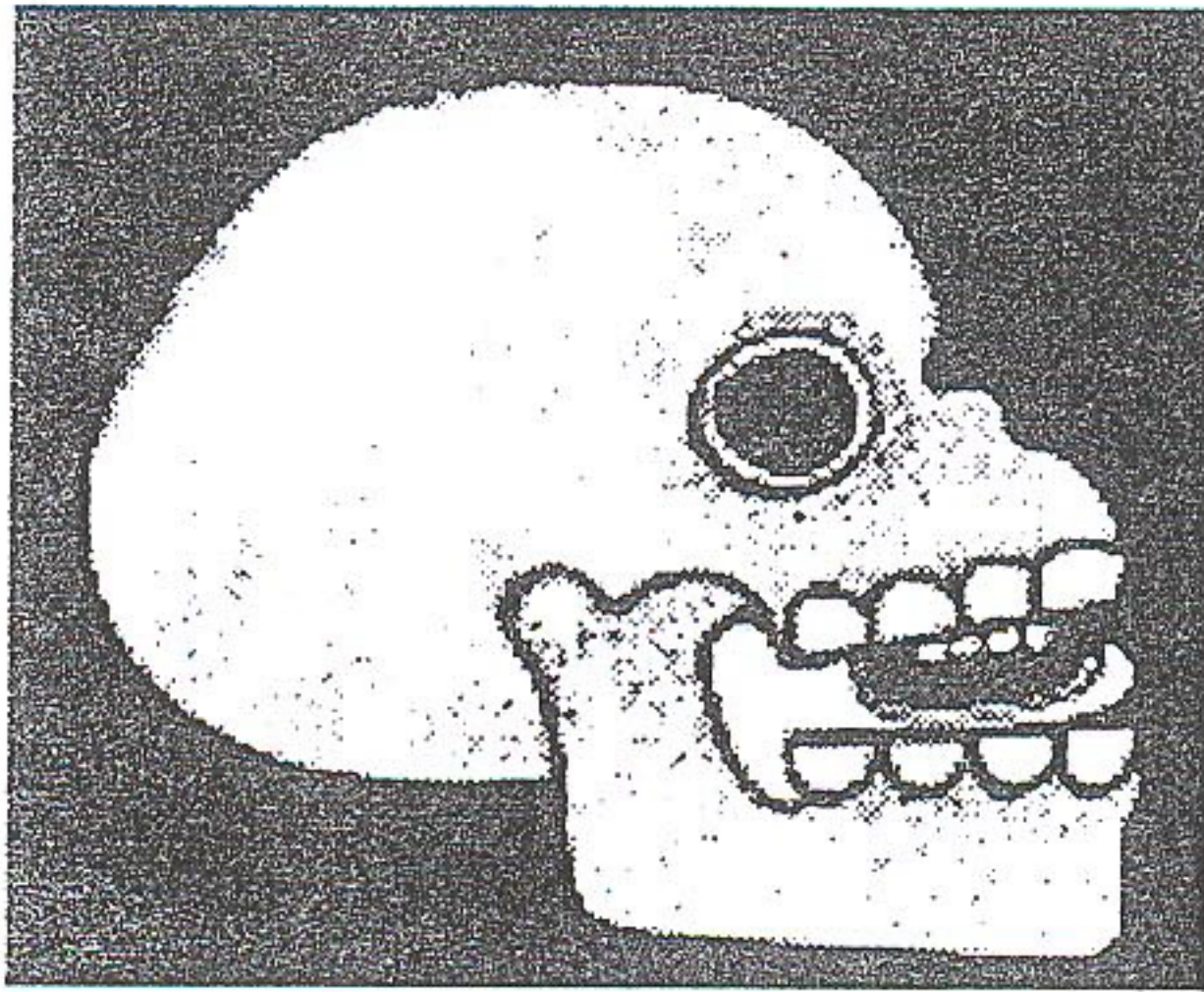


Williamsburg Institute

COLONIAL WILLIAMSBURG



Human Remains:
*Conservation, Retrieval
and Analysis*

November 7–10, 1999

Final Program

Development of a Useable Research Collection: The University of Iowa-Stanford Collection

Shirley J. Schermer* Robert Franciscus** and Robin Lillie**
Office of the State Archaeologist*
University of Iowa
Department of Anthropology**
University of Iowa

The University of Iowa has recently acquired legal possession of one of the largest collections of documented human skeletal remains in the United States. Officially transferred in 1998 from Stanford University's School of Medicine, this extraordinary collection of nearly 1,100 individuals comes from a pre-antibiotic and pre-modern health trend population amassed in the first half of the century. Composed entirely of willful body donations for the express purpose of research and teaching, the collection provides a much-needed resource in academia given the rapidly shrinking availability of human skeletal material in the United States.

While the research potential of such a large collection is readily recognized, what is not as readily recognized are the number of steps needed in the process toward making the collection accessible to researchers. Some of the needs such an acquisition creates are for storage and space renovations, cleaning and degreasing, development of research access protocol, computer archival and Web database dissemination, and equipment and staffing support.

We also were faced with three immediate, but costly and time-consuming, needs. First, the collection had suffered from deteriorating containers and sub-optimal storage procedures over many years, and it was critical to purchase and place each skeleton in an archival quality container to alleviate the risk of further damage and loss of information. Second, vital statistical records (date and place of birth and death, medical history, cause of death, occupation, etc.) had become disordered over the years including the use of multiple numerical inventory protocols; recovering and organizing the existing documents was essential. Finally, accurate counts on the numbers of males, females, adults, and subadults, as well as assessment of individualized bone condition were necessary to obtain the present composition of the collection and in matching skeletons with individualized documentation in those cases where different numbering systems were employed. The overarching goal is the proper curation of this important collection to become a major research resource for a variety of multidisciplinary scientists around the country.

Application of Consolidants and Adhesives upon Human Skeletal Material

G. Panagiaris, S. Papanikou, M. Venaki, V.N. Lambropoulos
Technological Educational Institution (T.E.I) of Athens
Dept. Conservation of Antiquities and Works of Art
Egaleo, Greece

The properties of bone as a material, as well as the growing scientific interest in this research material, led us to initiate a detailed survey on the properties and behavior of consolidants and adhesives used for its consolidation. For each material three different accelerated artificial aging methods were applied, namely a) aging with heat, b) aging in water c) aging with exposure to UV Lamp irradiation, respectively. Before and after aging, two trials were carried out to test the mechanical strength and reversibility of the materials tested. The results obtained for each material both prior to and after aging were used for comparative studies. Examination of the

material under the binocular microscope enabled the detection of color variation in particular as a result of aging. Paraloid B-72 in Acetone, HMG and UHU_hart as well as Primal AC33 are recommended as appropriate adhesives and suitable consolidants for conservation purposes as a result of these tests.

Hair Today, Here Tomorrow? The Conservation of Philip Calvert's Hair

Lisa A. Young*, Henry M. Miller**, Timothy Riordan** and Silas D. Hurry**

Alexandria Conservation Services*
Alexandria, VA
Historic St Mary's City**
St Mary's City, MD

This poster will discuss the treatment and analysis of the hair recovered from Philip Calvert's coffin in Historic St. Mary's City. The hair was discovered during the Lead Coffin Project at HSMC in 1992. At that time, the hair was examined and stabilized by project Conservators until a research plan and analysis could be performed. Approaches to this interdisciplinary research project will be discussed, and future proposals for the conservation and analysis of the hair will be summarized.

Program Schedule

All events take place in the Williamsburg Lodge.

Saturday, November 6

4-7 P.M. Registration. Williamsburg Lodge

Sunday, November 7

8 A.M. Registration. Williamsburg Lodge

9 A.M. **Making Human Remains Talk: Interdisciplinary Research of a 16th-Century Crypt;** Maria Garcia, OAMC, and Carmen China, Museo de Historia de Tenerife, Spain

The Archaeology of Recovering Unaccounted for Military Personnel from the Vietnam War; Charles Slaymaker and Michael Trimble, U. S. Army Corps of Engineers, St. Louis District

The Neolithic Tomb at Crantit: A Specific Case Study in the Co-operative Efforts between Various Fields; Beverley Ballin-Smith, GUARD, Glasgow, Scotland

A Bronze Age Burial in Northeast England: Excavation and Conservation; Jennifer Jones, English Heritage Contract Conservator, Durham, UK

Respect for the Ancestors: New Approaches for the Recovery and Analysis of Native American Burials; Doug Currie and Kevin McBride, Mashantucket Pequot Museum and Research Center, Mashantucket, Conn.

Lunch on your own.

2 P.M. **The Influence of the Conservation of Archaeological Human Remains on Physical Anthropology;** G. Panagiaris, Technological Educational Institute, Athens, Greece

Standardized Condition Assessment—Skeletal Preservation; Andrew Wilson, Robert Janaway, Charlotte Roberts, Bryan Roden, University of Bradford, UK

A Long-term Look at Polymers Used to Preserve Bone; Jessica Johnson, National Parks Service, U. S. Department of the Interior

A Co-operative Project Concerning Issues Related to the Excavation and Storage of a Royal Maya Burial; Catherine Magee, Maryland Archaeological Conservation Laboratory

The Preservation of Associated Materials; Vicki Cassman, University of Nevada

"Es ist Alles Tod ding?" Considerations in Dealing with Relics; Elke Beck, Museum für Angewandte Kunst, Köln, Germany

Hitting the Ground Running: Excavation and Conservation of a Roman Burial in the Media Spotlight; Elizabeth Barham and Rebecca Lang, Museum of London, UK

5:30 P.M. Reception. Williamsburg Lodge, Virginia Room

Monday, November 8

9 A.M. **The Value of Human Remains for Research and Education;** David Hunt, National Museum of Natural History, Washington, D. C.

Exactng our Pound of Flesh: Soft Tissue Collections, Named Individuals and Questions of Title; Paula Molloy, Repatriation Office, Smithsonian Institution, Washington, D. C.

The Attractions of the Macabre and Other Issues Related to Human Soft Tissue Collections in Museums; Anna Wholley, Museum of Victoria, Australia

The Preservation and Utility of Soft Tissue Collections with Special Reference to Brains; Vincent Wan, University of Chicago

From Privates to Presidents: Past and Present Memoirs from the Anatomical Collections of the National Museum of Health and Medicine; L. Barbian and P. Sledzik, National Museum of Health and Medicine, Washington, D. C.

Lunch on your own

2 P.M. **Three-Dimensional (3-D) Imaging of Hard and Soft Tissue Pathology in a Chilean Mummy: An Approach to Non-destructive Documentation of Paleopathology;** Debra Meier, David Kiple, Matthias Okoye and Karl Reinhard, University of Nebraska State Museum

A Historical Case Study of Two Egyptian Mummies at the Milwaukee Public Museum; Carter Lupton, Milwaukee Public Museum

The Conservation of Ta-Senet-Net-Hor, a XXII-Dynasty Egyptian Mummy; Ronald Harvey and Rika Smith-McNally, Tuckerbrook Conservation

Poster Session: Authors will be on hand to talk about their posters and answer any questions related to the poster presentations

Tuesday, November 9

9 A.M. **Pressures on Osteological Collections: The Importance of Damage Limitation;** Robert Janaway, Andrew Wilson and Charlotte Roberts, University of Bradford, UK.

A Standardized Protocol for the Radiographic and

tion Office, Smithsonian Institution, and Ashley McKeown, University of Tennessee

Burial Site Protection, Investigation and the Documentation and Repatriation of Aboriginal Skeletal Remains in Victoria, Australia; Michael Westaway, Heritage Services Branch, Aboriginal Affairs, Victoria, Australia

The NAGPRA Human Remains Project at the Illinois State Museum: Prioritization, Documentation, Analysis and Repatriation; Melinda Carter, Dawn Cobb and Michael Wiant, Illinois State Museum

Analysis of Curated Human Skeletal Remains from Highland Guatemala; Stephen Whittington, University of Maine

Lunch on your own

2 P.M. **Immigrants and Residents: Isotope Signatures in the Chesapeake during the Colonial Period;** Douglas Owsley, National Museum of Natural History, Smithsonian Institution

Interdisciplinary and Publicly Engaged Research of the African Burial Project; Michael Blakey, Cobb Laboratory, Howard University, Washington, D. C.

Taking Another Look: The Reanalysis of Existing Collections; Anne Palkovich, George Mason University, Fairfax, Va.

Taphonomic Considerations in the Recovery and Analysis of Prehistoric Human Remains from the Mariana Islands of Western Micronesia; Douglas Hanson, Forsyth Dental Center, Boston, Mass.

Analysis of Dental Calculus: Considerations for the Recovery, Analysis and Conservation of Microfossils on Teeth; Karl Reinhard and Erin Kimmerle, University of Nebraska-Lincoln, and Claudia Rodriguez and Sheila Mendonça, Fundação Oswaldo Cruz, Brazil.

Survival of Human Hair: The Impact of Environmental Controls; Andrew Wilson, Robert Janaway, Mark Pollard, Ron Dixon and Desmond Tobin, University of Bradford, UK.

6:30 P.M. Optional dinner. Williamsburg Lodge. \$40 per person, pre-registration required. See registration form for entrée options

Wednesday, November 10

9 A.M. **Reburial Laws in Action: Case Studies from Arizona;** Lane Beck and Lynn Teague, Arizona State Museum, Tucson, Ariz.

"Last Will, Hiding Pits, Hiding Caves": Incorporating Hawaiian Burial Practices into Repatriation Efforts; Susan Lebo, Bishop Museum, Honolulu, Hawaii, and Ellen Savulis, Franklin-Pierce College, N. H.

Unfair Treatment: Historical Human Remains and the Need for a National Preservation Policy; Thomas Crist, Kise Straw and Kolodner Inc., and Gary McGowan, Cultural Preservation and Restoration, Inc.

From African-American Cemeteries in New York and Philadelphia Toward a Community-based Paradigm for the Excavation and Analysis of Human Remains; John P. McCarthy, Greenhome and O'Mara, Inc., Md.

When Your Insides Are Out: Museum Visitor Perceptions of Displays of Human Anatomy; L. Berndt and L. Barbian, National Museum of Health and Medicine, Washington, D. C.

Ethics, Evidence and Bones; Diana Smay, Emory University, Atlanta, Ga., and Alison Galloway, University of California, Santa Cruz, Calif.

London Bodies: An Exhibition at the Museum of London; Helen Ganiaris, Museum of London, UK.

The conference will formally end by 1 P.M. on Wednesday, November 10. Optional tours will be available during the afternoon. The content of the conference is subject to change.

Lodging and Dining at Colonial Williamsburg

The following special conference rates are available for this conference. To make room reservations, please call 1-800-261-9530. Dining reservations for Colonial Williamsburg restaurants and colonial taverns may also be made at this number.

Hotel rates for single or double occupancy, per night:

(Rates do not include applicable taxes)

Williamsburg Lodge—Tazewell or West Wing	\$170*
Williamsburg Lodge—Main, East or South Wing	\$135
Williamsburg Woodlands Suites	\$89*
Williamsburg Woodlands Guest Rooms	\$79
Governor's Inn	\$69*

*4 persons can be accommodated per room; higher rate will apply

How to Visit Colonial Williamsburg

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A Standardized Protocol for the Radiographic and Photographic Documentation of Human Skeletal Remains; K.S. Bruwellheide, J. Beck, S. Pelot, Repatriation Office, Smithsonian Institution

Conservation and Rehousing of the Kennewick Remains: Raising the Bar; Michael Trimble, Nancy Odegaard, Vicki Cassman, Teresa Militello and Rhonda Lueck, U. S. Army Corps of Engineers, St. Louis District

Three-Dimensional Digitizing of Human Skulls as an Archival Procedure; Stephen Ousley, Repatria-

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Highland Guatemala; Stephen Whittington, University of Maine

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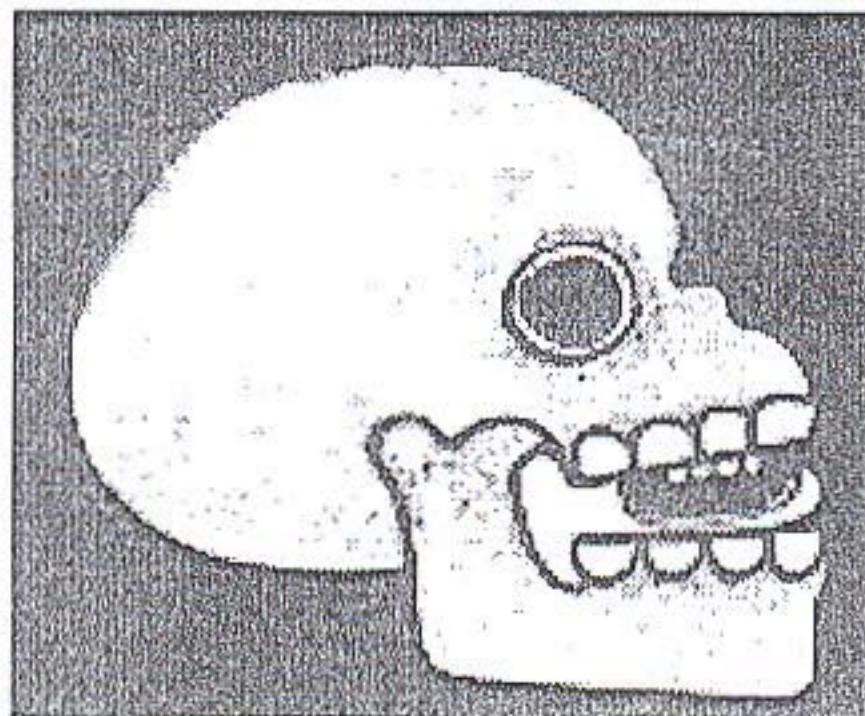
Written Cancellation Request Received	Amount of Refund
On or before October 25, 1999	Full refund of conference registration fees
Between October 24 and November 1, 1999	50% of registration fees
On or after November 2, 1999	No refund of fees

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Human Remains: Conservation, Retrieval and Analysis

November 7-10, 1999

Registration Information

Conference registration must be made in advance and must be accompanied by payment of the conference registration fee. This fee includes the opening reception, four coffee breaks and presentations proposed in this program schedule. The fee is \$199 for registrations postmarked through September 15, 1999, \$229 for registrations postmarked after September 15, 1999. Register early!

You may register by mail or fax. We cannot accept registrations by telephone. Fees are payable by major credit cards listed on the registration form or by check. Make checks payable to "Colonial Williamsburg Foundation." Send completed registration form with payment to:

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Colonial Williamsburg Foundation
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For additional registration information, contact the conference registrar by telephone (757) 220-7182, fax (757) 565-8630 or e-mail tengle@cwf.org.