THE NEW YORK AFRICAN BURIAL GROUND:

Unearthing the African Presence in Colonial New York

Volume 1

The Skeletal Biology of the New York African Burial Ground

Part 2: Burial Descriptions and Appendices

Michael L. Blakey and Lesley M. Rankin-Hill Editors

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Bead Type 12, Burial 340, Catalog No. 01651-B.79.

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Pins, Burial 12, Catalog Nos. 253-B.001, .002.

Ring, copper alloy with glass insets, Burial 310, Catalog No. 1486-B.001.

Bead Type 9, Burial 340, Catalog No. 01651-B.78.

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Button, bone, turned. Burial 171, Catalog No. 931-B.002.

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Burial 335 (Photography by Dennis Seckler)

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Contributors

PROJECT DIRECTOR AND SCIENTIFIC DIRECTOR

Michael L. Blakey, Ph.D.

LABORATORY DIRECTOR AND OSTEOLOGIST

Mark E. Mack, M.A.

OFFICE MANAGER AND ADMINISTRATIVE ASSISTANT

Reba Brewington, B.A.

OSTEOLOGIST

M. Cassandra Hill, M.A., Ph.D.*

OSTEOLOGICAL TECHNICIANS

Autumn Barrett, M.A., A.B.D.*

Allison Davis

Reynard Davis (deceased)

Ena Fox

Shannon Mahoney, M.A., A.B.D.* Susan Good-Null, M.A., Ph.D.*

Monde Imoh, Ph.D.

Christopher Null, M.A., A.B.D.*

Kenya Shujaa, M.A.*

Rachel Watkins, M.A., Ph.D.*

OSTEOLOGICAL TECHNICIAN ASSISTANTS

Valarian Abrams
Paula Allen
Marc Alston
Darious Annis
Augustus Billy
Alan Blanc
Antonia Christian
Jeffrey Coleman
Lauren Collins

Cyndi Douglas Jacinta Elder-Arrington

Nardos Fessaha, Ph.D.*

April Flint

Gabriel Franke, M.A.

Paul Gattis

Oumuyiwa Gbadegesin Richlyn Goddard, Ph.D.

Karyn Goodwin Yasin Gregg Janna Gruber Fayola Herod Michael Hunter Keisha Hurst

Joseph Jones, M.A.*, A.B.D.*

Antoinette Kearney Irina Koretsky, M.S. Dannette Lambert

Teresa Leslie, M.A.,* Ph.D.* Arion Mayes, M.A., Ph.D.*

Moses Nwulia Auriel Perkins Keisha Rankine Clifford Russell Joann Sampson Jobita Smith

Azhar Talibi, M.A., M.D.*

Brent Terry, M.A. Emile Webster Shani Wright

RESEARCH ASSISTANTS

Pamela Brown Songhai Carter Christa Dickey Lesley Payne Arana Hankin Nicole Harvey Jeffrey Lim Chad Taylor Walidah West

SENIOR MEDICAL PHOTOGRAPHER

Otto Edwards

DATA SYSTEMS MANAGER

Douglas Fuller, M.A. Javier Urcid, Ph.D. Christopher Null

SECRETARIES

Denise Joseph Marna Lewis Andrea Reid Raquel Scott Percival Taylor

Sharon Wiltshire

BOTANISTS

Lafayette Frederick, Ph.D. Monde Emoh, Ph.D.

CONSULTANTS FOR THIS REPORT

Richard Kittles, Ph.D. Matthew George, Ph.D. Thomas Stafford, Ph.D. Shomarka O.Y. Keita, M.S., M.A., M.D.

AFRICAN BURIAL GROUND PROJECT DIRECTORS

Michael L Blakey, Ph.D., Scientific Director, College of William and Mary, and Howard University Edna Medford, Ph.D., Associate Director for History, Howard University

Sherrill D. Wilson, Ph.D., Director, Office of Public Education and Interpretation

Alan H. Goodman, Ph.D., Associate Director for Chemical Studies, Hampshire College

Jean Howson, Ph.D., Archaeology Laboratory Director, Howard University

Fatimah L. C. Jackson, Ph.D., Associate Director for Genetics, University of Maryland

Mark E. Mack, M.A., Cobb Laboratory Director, Howard University

Warren Perry, Ph.D., Associate Director for Archaeology, Central Connecticut State University

Lesley M. Rankin-Hill, Ph.D., Associate Director for Skeletal Biology, University of Oklahoma Warren Barbour, Ph.D., Associate Director (1992–1994)

AFRICAN BURIAL GROUND PROJECT ADMINISTRATION/MANAGEMENT

O. Jackson Cole, Ph.D., Executive in Charge, Howard University James A. Donaldson, Ph.D., Project Manager, Howard University

^{*}Degree received post-recordation.

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Foreword

In 1991, during the excavation phase for the construction of the Federal Building now seen at 290 Broadway, New York City, a cemetery was uncovered containing human remains of Africans—most were enslaved, some free-who lived, worked, and died under inhumane conditions in colonial New York. This discovery, the largest bioarchaeological site of its kind, sparked heightened public awareness of an African heritage in the northern states of colonial America. An outcome of this awareness was the public's desire for amending and correcting the history of colonial New York during that period to reflect more accurately the lives and culture of these forgotten Africans and people of African descent and their contributions and roles in economic development. Several initiatives, sponsored by the General Services Administration on behalf of the American people, were launched to accomplish this goal.

The initiative to conduct historical and scientific studies of the remains and artifacts excavated at the site was entrusted to Howard University. There, Dr. Michael L. Blakey, now at the College of William and Mary, designed and implemented a comprehensive, interdisciplinary research program—the New York African Burial Ground Project—to address questions in three main areas: history, archaeology, and skeletal biology. As scientific director of the project, he assembled an international team of scholars, professionals, graduate and undergraduate students, technical staff members, and cultural specialists for various parts of the study.

The New York African Burial Ground: Unearthing the African Presence in Colonial New York serves as the culminating work of this project, reporting the research findings. This multivolume series covers broadly a contextualized historical perspective, details of the archaeological discoveries, and descriptions of the skeletal biology of the unearthed human remains. Each volume documents and validates the lives of African Americans' ancestors who lived and worked in colonial New York. Included in this work are detailed descriptions of the burials excavated, complete with drawings, figures, and tables, as well as a comprehensive appendix of the artifacts found within the burials.

Through the years of this project, membership of the research team changed, but the goal of the project remained constant, that of ensuring that the story of the origins, life, and death of the enslaved Africans of colonial New York would not be absent from the annals of world history.

O. Jackson Cole, Ph.D.

Howard University Executive-in-Charge of the African Burial Ground Project

James A. Donaldson, Ph.D.
Dean, Howard University College of Arts
and Sciences

Acknowledgments

It would be impossible to thank all of those in every walk of life who have helped the African Burial Ground Project over the past 12 years. All of those who stood for its preservation and dignity do, however, bear some responsibility for creating the information within this report, and we researchers are deeply indebted to them. We want to thank our supporters: especially the schoolchildren and their teachers. We also thank the churches, the civic and cultural organizations, the grass-roots political organizations, and the hundreds of visitors from around the world who visited our laboratories and offices. Other organizations that deserve recognition are: the Federal Steering Committee, the Schomburg Center; Friends of the African Burial Ground; the Committee of Descendants; Transafrica Forum; Malik Shabazz Human Rights Institute (NYC); Lift Every Voice, Inc. (Los Angeles); and many other organizations and institutions whose members have made this work possible by their moral and political support. Lastly, we would like to acknowledge New York City, State legislators, and their national counterparts, as well as our academic and professional colleagues. We cannot fail to point specifically to the enormous aid of those who stood closest to us for the longest time, including Mayor David Dinkins, State Senator (now Governor) David Paterson, Congressmen Charles Rangel, Jerome Nadler, and Gus Savage, and Senator Alfonse D'Amato. As opportunities are presented, we will continue to recognize every individual effort that has made this project possible.

Many individuals exhibited extraordinary and continuous participation in efforts to protect, elevate, and appreciate the African Burial Ground, without whom there would be neither a National Monument nor our research. Miriam Francis, Adunni Oshupa Tabasi, Dr. Muhammad Hatim, Reverend Herbert Doherty, Elo-

ise Dicks, Mother Franklin, Queen Mother Blakely, Gena Stahlnecker (representing then, Senator David Paterson), Ayo Harrington, Christopher Moore, Renice Goode, Roger Taylor, Mary Lacy Madison, Folana Heidelberg, John Arbogast, Noel Pointer (deceased), Jackie Parker (Sen. Levin's Chief of Staff), Elombe Brath, Howard Wright and many others are deeply appreciated for building this monument. Howard Dodson and Peggy King Jorde, Chairman and Executive Director, respectively, of the Federal Advisory ("Steering") Committee provided the steadfast and wise leadership that focused community concern toward its most productive ends. Later as Project Executive for Memorialization, Ms. Jorde did the groundwork for the ultimate memorial and interpretation of the site for which we are truly grateful.

The Office of Public Education and Interpretation, the branch of the project that provided the vehicle for continuous and growing public involvement in the project by virtue of the outreach of its dedicated and bright public educators who are deeply appreciated, and through the programs designed by its anthropologist Director, Sherrill Wilson, Ph.D. John Milner Associates, who assisted us for several years in the massive early work of the project, especially in New York, we want to thank its principals Dan Roberts and Alan Steinhusen. Looking back, we recognize also the unique contributions of Dale Lanzone and Bob Leuffin of GSA during our most productive negotiations. Thanks especially to Professor Warren Barbour who walked Blakey through the inner workings of contract archaeology as a knowledgeable and trusted confidant during the early negotiations with JMA and GSA.

We want to thank our colleagues at Howard who organized the Ties That Bind ceremonies in 1994 by which the ancestral remains on which we report here were first received into our laboratories, including the

organizers, Eleanor Traylor and Roberta McCleod. We thank Dr. O. Jackson Cole and Dean James Donaldson, who carried out the tireless political and bureaucratic work required to keep Howard University at the center of this project while over time its personnel and funding changed. Others in Washington include Vincent DeForest of the National Park Service (NPS), who was ever present with resources to give, and in New York the founding NPS Supervisor of the National Monument, Tara Morrison, inspires confidence in the work going forward. At the College of William and Mary's Institute for Historical Biology graduate and undergraduate staff involved at the end of this writing project included Grace Turner, Christopher Crain, Renee Ferguson, Jenna Dutcher, and many others who contributed to and benefited from the opportunity to conduct research in the service of the struggle for human rights.

We want especially to take the opportunity to thank those who assisted in the preparation of this report. Even though most are named on the preceding pages, we want to especially thank the staffs of the Howard University Cobb Laboratory, the College of William and Mary Institute for Historical Biology, and the Department of Anthropology at the University of Oklahoma. These individuals conducted research and prepared reports under extraordinarily difficult circumstances, and they did this in the spirit of humane commitment and with high standards. These students, technicians, and senior researchers and directors often sacrificed by working without funding. Although at times there was uncertainty about the security of the project's future, they were nevertheless faithful to the mission for which these volumes mark the culminating success. It is only by virtue of that commitment that we were able to succeed. Among these there were those who devoted many years of their lives working to see that the laboratories and offices functioned for researchers and the public—that the work was done and the data properly organized. These prominently include the office manager of the Cobb Laboratory, Reba Brewington, and its laboratory director, Mark Mack, who devoted at least a decade of their lives to long days of excellence on behalf of the history of the colonial Africans we report on here. All of the writing of this final report and previous drafts relied on their contributions.

The final draft report was prepared starting in January 2003, and the final report unedited version

was completed and submitted for transmission to the members of the peer review board near the end of June 2004. In the course of this work, as preparation of the final report versions, involving the merger of submissions from the various authors, was undertaken, all of the database, imaging, and text problems that had not occurred during the writing of the individual chapters and completion of the initial draft versions began to emerge. The smart and dedicated work of Christopher Null of the University of Massachusetts-Amherst and Shannon Mahoney at William and Mary corrected and refined the database and kept the information flowing to the authors. Autumn Barrett, also of the Institute at William and Mary, performed tirelessly and with an extraordinary range of skills as our editorial assistant. All of this was done in addition to their own graduate work and research contributions to the project. Thanks also to Cecelia Moore, administrative assistant, for unflinchingly hard work and dedication to the writing project. Paul Gattis at the University of Oklahoma also contributed to final database development in essential and important ways. Ryan Seltzer of Illinois State University provided key statistical advice. The project has been enormously fortunate to have received the focused attention of these special individuals.

Standing behind us were mentors and senior colleagues without whom there may have been more open fronts of professional warfare than we could have handled. George Armelagos at Emory University and Don Ortner of the Smithsonian Institution have given generously and courageously of their support to this project. As colleagues who shared our goals, Howard Dodson and Leith Mullings worked tirelessly from the very beginning to ensure that our efforts on behalf of this project received a fair airing in New York. We thank the three peer reviewers for useful criticisms of drafts of this manuscript. Finally, we thank our families and friends for giving every means of support imaginable.

Michael L. Blakey, Institute for Historical Biology, Department of Anthropology, College of William and Mary, Williamsburg

Lesley M. Rankin-Hill, Department of Anthropology, University of Oklahoma, Norman

Section IV:

Burial Descriptions of the New York African Burial Ground

L. M. Rankin-Hill, J. Gruber, P. Allen, and A. Barrett

Notes on Burials

Descriptions generally include demographic, infectious disease, nutritional, and chemical sourcing information. Many additional pathologies and characteristics of these burials are described in the Skeletal Biology and Archaeology Databases of the African Burial Ground Project.

Female aged 20–25 years. Cranial and lower-limb periostitis (generalized systemic infection) is present. Enthesopathies are present on the humerus and clavicles. Significant hypertrophy of muscle insertions affects the femora. Osteoarthritis is indicated by eburnation in the shoulder and lipping of the temporomandibular joint. Healed cribra orbitalia indicative of nutritional stress and hypoplasias indicative of childhood stress are present.

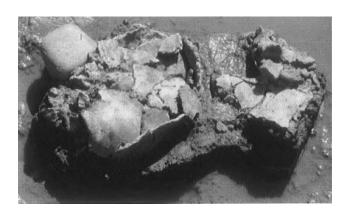


Burial 2

Male aged 27–42 years. Individual exhibits evidence of cranial periostitis. Healed cribra orbitalia and cranial porotic hyperostosis indicative of nutritional stress can be observed.



Male aged 25–34.9 years. Mild osteoarthritis affecting the acetabulum can be observed. Healed cribra orbitalia and porotic hyperostosis indicative of nutritional stress are present.





Burial 4

Male aged 30–40 years. Individual exhibits evidence of cranial periostitis. Healed cribra orbitalia and porotic hyperostosis indicative of nutritional stress are present.





Burial 4.1

Male aged 15–24.9 years. Cranial periostitis can be observed. Healed cribra orbitalia and porotic hyperostosis indicative of nutritional stress are present. (See photo for Burial 4.)

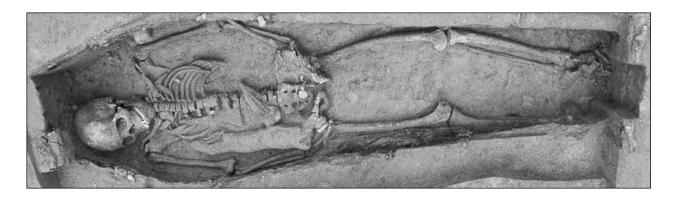


Burial 5

Infant aged .50–1.0 years.



Male aged 25–30 years. Individual has significant muscle-insertion hypertrophy in the lower limbs and an enthesopathy of the left clavicle. Moderate to severe osteoarthritis affects all lower limbs joints and thoracic and lumbar vertebrae. Cervical spondylolysis is present. Periostitis of the lower limbs and possible treponemal disease are present. There is evidence of femoral/tibial bowing associated with rickets. In addition, active cribra orbitalia and diploic expansion indicative of nutritional stress can be observed. Hypoplasia indicators of childhood stress are also present. Trace elemental signature analysis (ESA) clustering is not clearly suggestive of natality. Strontium (Sr) isotope analysis suggests birth in Africa.



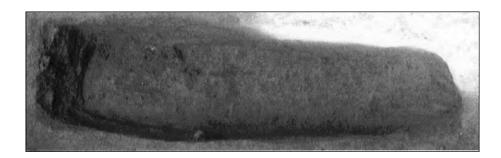
Burial 7

Child aged 3–4.9 years. Evidence of cranial periostitis can be observed. Healed cribra orbitalia, porotic hyperostosis, and diploic expansion indicative of nutritional stress are present. Trace ESA clustering not clearly suggestive of natality. Sr isotope analysis suggests birth in the Americas/New York.



Burial 8

Infant aged 0–4.1 years.



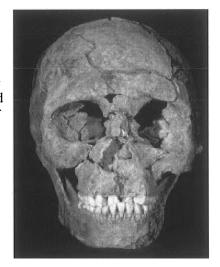
Burial 9

Male aged 35–45 years. Individual has periostitis of the lower limbs and multiple enthesopathies in the upper limbs. Mild to severe osteoarthritis affects the elbow, sacroiliac joint, knee, and lumbar synovial joints. Hypoplasia indicators of childhood stress are present. Trace ESA clustering suggests birth in Africa. Sr isotope analysis also suggests birth and migration from Africa.



Burial 10

Male aged 40–45 years. Periostitis of the lower limbs can be observed. Osteoarthritis affects many axial and appendicular joints. Osteophytosis of the cervical vertebrae and lumbar/sacral fusion is also present. Significant muscle-insertion hypertrophy is present throughout the skeleton, and there are clavicular syndesmophytes. Femoral/tibial bowing indicative of rickets and hypoplasia indictors of childhood stress are present.



Male aged 30–40 years. Individual has multiple enthesopathies with muscle-insertion hypertrophy. Vertebral osteophytosis is present. Healed cribra orbitalia indicative of nutritional stress can be observed. Hypoplasia indicators of childhood stress are also present.



Burial 12

Female aged 35–45 years. Individual has periostitis of the lower and upper limbs and crania. Femoral/tibial bowing is indicative of rickets. Significant biomechanical work stress is indicated with muscle-insertion hypertrophies and enthesopathies throughout the skeleton. Osteoarthritis affects the axial and appendicular joints. Thoracic spondylolysis is also present. Healed cribra orbitalia and porotic hyperostosis indicative of nutritional stress can be observed.

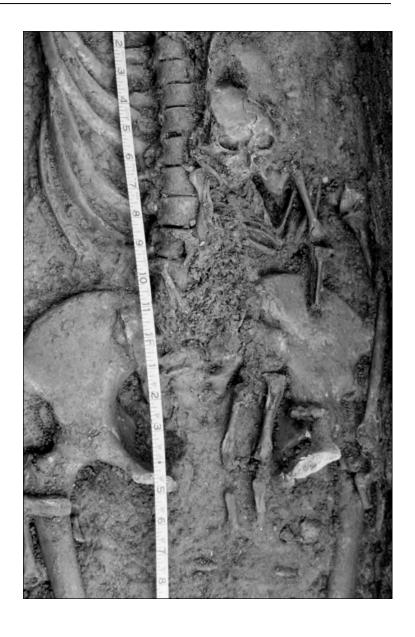


Burial 13Subadult of indeterminate age.



Burial 14

Infant aged 0–3.0 years. Cranial periostitis and meningitis can be observed.



Burial 15Child/adolescent aged 11–18 years.



Female aged 50–60 years. There is evidence of periostitis of the lower limbs. Femoral/tibial bowing associated with rickets can be observed. Significant muscle-insertion hypertrophies in the upper and lower limbs are present, with moderate to severe osteoarthritis affecting the knee and ankle joints. Cervical osteophytosis and lumbar ankylosis are observable in the vertebrae. Healed cribra orbitalia indicative of nutritional stress can be observed.



Burial 17

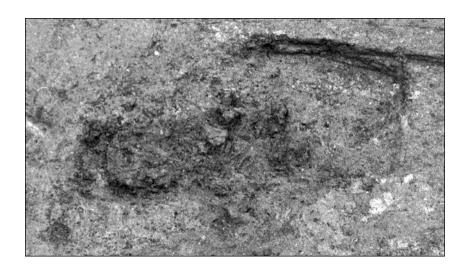
Child aged 4–6 years. Healed cribra orbitalia and expanded diploe are indicative of nutritional stress. Femoral/tibial bowing associated with rickets is also present.



Female aged 35–45 years. Individual has periostitis of the lower limbs and crania and possible treponemal disease. Significant hypertrophy of the femoral gluteal insertion and a moderate degree of osteoarthritis affect the foot and ankle.



Burial 19Subadult of indeterminate age.

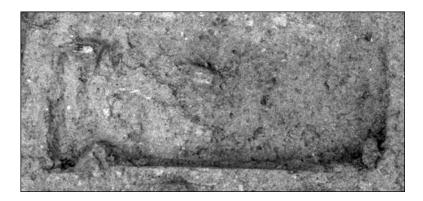


Burial 20

Male aged 45–50 years of age. Individual has periostitis of the lower limbs and significant muscle-insertion hypertrophies. A moderate degree of osteoarthritis of the lower limbs and of the hand is present.



Burial 21Subadult of indeterminate age.



Child aged 2.5–4.5 years. Periostitis of the lower and upper limbs can be observed. Trace ESA clustering suggests birth in Africa; however, Sr isotope analysis suggests birth probably in the Americas/New York.



Burial 23

Male aged 25–35 years. Periostitis of the lower limbs and possible treponemal disease can be observed. Significant hypertrophies are present in the upper limbs and humeral enthesopathy. Lumbar osteophytosis and Schmorl's nodes are present. Hypoplasia indicators of childhood stress can be observed. Trace ESA suggests birth in Africa. Sr isotope analysis also suggests birth in Africa.



Burial 24

Child aged 3–6 years.



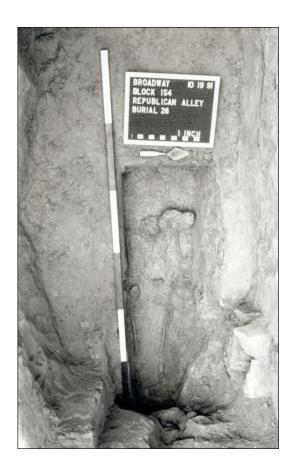
Burial 25

Female aged 20–24 years. Enthesopathies of the brachialis insertions on the ulnae are present.



Burial 26

Child/adolescent aged 8–12 years.



Infant aged 1.40–2.80 years. Diploic expansion indicative of nutritional stress can be observed. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 28

Subadult of indeterminate age.



Burial 29

Male aged 35–45 years. Periostitis of the lower limbs and a slight degree of osteoarthritis affecting the tarsal bones are present.



Burial 30

Child aged 7–11 years. Periostitis of the lower limbs can be observed. Hypoplasia indicators of childhood stress are present.



Unsexed aged 14–16 years. Individual had active periostitis of the lower limbs at time of death. There is evidence of anterior-posterior bowing associated with rickets, as well as possible treponemal disease.



Burial 32

Male aged 50–60 years. Individual has cranial periostitis and osteomyelitis of the lower limbs. There is evidence of multiple enthesopathies in the ulnae and myositis ossificans of the ribs. There is also moderate to severe osteoarthritis affecting the axial and appendicular skeleton. Vertebral osteophytosis and thoracic Schmorl's nodes are also present. Healed cribra orbitalia and expanded diploe indicative of nutritional stress can be observed.



Burial 33Adult of indeterminate age and sex.



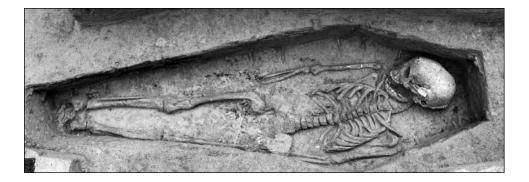
Burial 34

Adult of indeterminate age and sex.



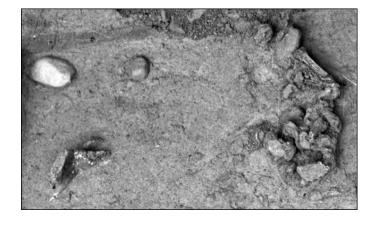
Burial 35

Child aged 8–10 years. Individual has healed cribra orbitalia and expanded diploe indicative of nutritional stress, and hypoplastic indicators of childhood stress are also present. Trace ESA clustering is not clearly suggestive of natality. Sr isotope analysis suggests birth probably in the Americas/New York.



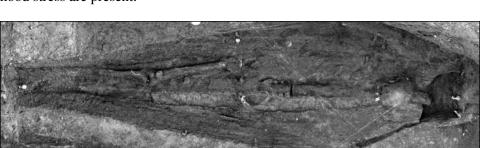
Burial 36

Female of indeterminate age. This individual has periostitis of the lower limbs. Femoral/tibial bowing indicative of rickets can be observed. Significant muscle-insertion hypertrophy of the tibiae are present.



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Male aged 45–55 years. Individual has periostitis of the lower limbs and crania. There are enthesopathies in the upper limbs, and significant muscle-insertion hypertrophy is present throughout the skeleton. Moderate to severe osteoarthritis affects the axial and appendicular joints. Osteophytosis, lumbar spondylolysis, and Schmorl's nodes are also present in the vertebrae. Hypoplastic indicators of childhood stress are present.





Burial 38

Female aged 20–25 years. Hypoplasias indicative of childhood stress are present.



Burial 39

Child aged 5–7 years. This individual has periostitis of the lower and upper limbs. Eburnation, erosion, and lipping of the first cervical vertebra and occipital condyles are present. Distortion of the joint and extension of the surface suggest posterior displacement of the cervical onto the occipital squama. Enthesopathies are present on the humeri and ulnae. Healed cribra orbitalia and porotic hyperostosis indicative of nutritional stress and hypoplastic indicators of childhood stress are present. Trace ESA clustering suggests birth in the Americas/New York. Sr isotope analysis also suggests birth in the Americas/New York.



Female aged 50–60 years. Individual has periostitis of the lower limbs and crania. Femoral/tibial bowing associated with rickets is present. Myositis ossificans on the tibiae and ribs with significant muscle-insertion hypertrophy can be observed throughout the skeleton. Moderate to severe osteoarthritis affects axial and appendicular joints. Osteophytosis is also present in the vertebrae.



Burial 41Adult of indeterminate age and sex.



Burial 42Infant aged 0–2.0 years. Periostitis of the lower and upper limbs is evident.



Child aged 2.5–4.5 years. Diploic expansion indicative of nutritional stress is present. Trace ESA clustering is not clearly suggestive of natality.



Burial 44

Child aged 3-9 years.



Burial 45

Child aged 2.5–4.5 years. Evidence of meningitis is observable. Femoral/tibial bowing associated with rickets and healed cribra orbitalia indicative of nutritional stress are present. Hypoplastic indicators of childhood stress are observable. Trace ESA clustering suggests birth in the Americas/New York.



Female of indeterminate age. Individual has periostitis of the lower and upper limbs. Moderate osteoarthritis affects the hip and knees.



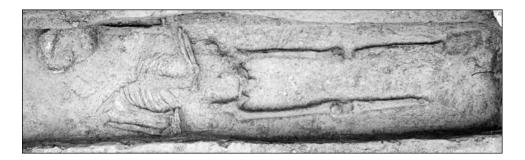
Burial 47

Male aged 35–45 years. Periostitis of the lower limbs and crania can be observed. Multiple enthesopathies and moderate osteoarthritis are present. Trace ESA clustering is not clearly suggestive of natality, although third-molar clustering with B2 and low Pb concentration suggest early life in Africa. However, low Sr isotope values indicate birth possibly in the Caribbean.



Burial 48

Adult of indeterminate age and sex.



Female aged 40–50 years. There is evidence of periostitis of the lower limbs and crania. Significant muscle-insertion hypertrophy of the tibiae and femora are present. Mild osteoarthritis affects the upper-limb joints. Healed cribra orbitalia and porotic hyperostosis indicative of nutritional stress can be observed. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 50Child of indeterminate age.



Female aged 24–32 years. Individual has periostitis of the lower limbs and crania. There is evidence of biomechanical work stress, with significant muscle-insertion hypertrophy, primarily in the upper limbs, and enthesopathies of the brachialis insertions on the ulnae. Moderate osteoarthritis is present throughout the axial and appendicular joints. Vertebral osteophytosis and osteochondritis dissicans of the knee joints are also present. Diploic expansion indicative of nutritional stress and hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 52Age and sex indeterminate.



Burial 53Infant aged .25–.75 years. Periostitis of the upper and lower limbs can be observed.



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Adult of indeterminate age and sex.



Burial 55

Child aged 3–4.9 years. Individual has periostitis of the lower and upper limbs and crania. Healed cribra orbitalia and diploic expansion are indicative of nutritional stress. Hypoplasia and hypocalcification indicators of childhood stress are present. Trace ESA clustering is not clearly suggestive of natality.



Burial 56

Female aged 30–34 years. Individual has significant muscle-insertion hypertrophies and enthesopathies throughout the skeleton. Moderate osteoarthritis affects multiple axial and appendicular joints. Lumbar Schmorl's nodes are also present. Healed cribra orbitalia and porotic hyperostosis indicative of nutritional stress can be observed. Hypocalcification indicators of childhood stress are present.



Infant aged .88–2.16 years. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 58Child aged 3.5–5.5 years. Periostitis of the lower and upper limbs is present.

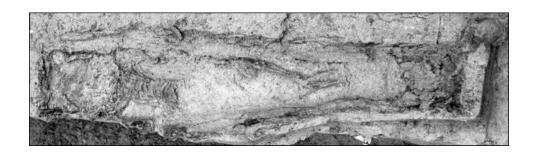


Burial 59Infant aged 0–.25 years.



Burial 60

Infant aged .25–.75 years.



Burial 61

Child of indeterminate age.

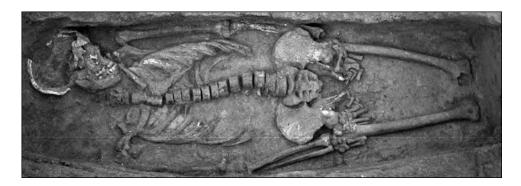


Burial 62

Indeterminate age and sex.



Male aged 35–45 years. There is evidence of periostitis of the lower and upper limbs. There are enthesopathies and significant muscle-insertion hypertrophy throughout the skeleton. A mandibular tori is also present. Myositis ossificans is found on the thoracic vertebrae, ribs, and left pubis. Moderate to severe osteoarthritis affects the axial and appendicular skeleton. Osteophytosis and lumbar Schmorl's nodes are present in the vertebrae. Porotic hyperostosis and diploic expansion indicative of nutritional stress can be observed.



Burial 64

Infant aged .38–.88 years. Cranial periostitis with active cribra orbitalia, porotic hyperostosis, and diploic expansion indicative of nutritional stress can be observed.



Burial 65

Perinatal.



Burial 66Infant aged 0–0.16

years.

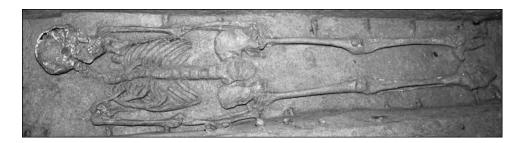


Burial 67

Male aged 40–50 years. Individual has periostitis of the lower and upper limbs. Muscle-insertion hypertrophy is present throughout the skeleton, with enthesopathies of the brachialis insertions on the ulnae. Myositis ossificans is found on the thoracic vertebrae and ribs. Moderate to severe osteoarthritis affects axial and appendicular joints. Lumbar Schmorl's nodes are also present.



Male aged 21–25 years. A slight degree of osteoarthritis is present, with a robust femora linea aspera. Sr isotope analysis (of dentin only) suggests birth probably in Africa.



Burial 69

Male aged 25–25 years. There is evidence of periostitis of the lower limbs and possible treponemal disease. Significant muscle-insertion hypertrophies and enthesopathies are present throughout the skeleton. Mild to moderate osteoarthritis affects joints in the upper and lower limbs. Femoral/tibial bowing associated with rickets can be observed.

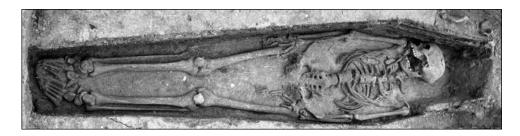


Burial 70

Male aged 35–45 years. There is evidence of periostitis of the lower and upper limbs, saber shins, and possible treponemal disease. There are multiple enthesopathies and significant muscle-insertion hypertrophies, primarily in the upper limbs. There is evidence of myositis ossificans in the lumbar vertebrae and ribs with lumbar Schmorl's nodes; all limb joints have at least mild osteoarthritic changes. Femoral/tibial bowing associated with rickets can be observed.



Female aged 25–34.9 years. Individual has periostitis of the lower limbs and crania. Clavicular syndesmophytes, myositis ossificans on the thoracic vertebrae, and multiple significant hypertrophies of the lower limbs are present. At least mild osteoarthritis affects most joints, with moderate to severe changes in the lower limbs. Osteophytosis and lumbar Schmorl's nodes are also present.



Burial 72

Subadult aged 1–2 years. There is evidence of meningitis, diffuse bone loss, cranial periostitis, and lower-limb periostitis. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 73

Female aged 20–30 years. Several muscle-insertion sites in the upper limbs exhibit significant hypertrophy. Moderate osteoarthritis affects the hip and vertebrae. Cervical osteophytes are also present. Diploic expansion indicative of nutritional stress can be observed.



Burial 74Empty shaft.



Burial 75Perinatal.



Male, age unknown. Individual has periostitis of the lower limbs. Several enthesopathies and significant insertion hypertrophies are found throughout skeleton. Myositis ossificans of the femur and moderate to severe osteoarthritis affects several of the appendicular joints. Active, healing, and healed porotic hyperostosis indicative of nutritional stress can be observed.



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Infant aged .67–1.30 years. Hypoplasia and hypocalcification indicative of childhood stress are present.



Burial 78

Age 16–19. Sex indeterminate. Cranial periostitis is present.



Burial 79

Infant aged .25-.75 years.



Subadult of indeterminate age.



Burial 81

Female of indeterminate age. Individual has femoral/tibial bowing associated with rickets. Ulnar enthesopathies with mild to moderate osteoarthritis affecting the lower limbs are present.



Burial 82

Female aged 18–25 years. Individual has cranial periostitis. Osteoarthritis affects the cervical and thoracic vertebrae; cervical osteophytosis is also present. Healed cribra orbitalia indicative of nutritional stress and hypoplastic indicators of childhood stress can be observed.



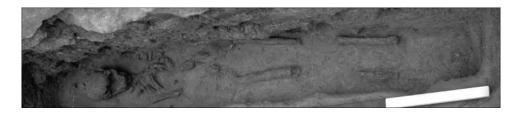
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Burial 83Subadult aged .00–15.00

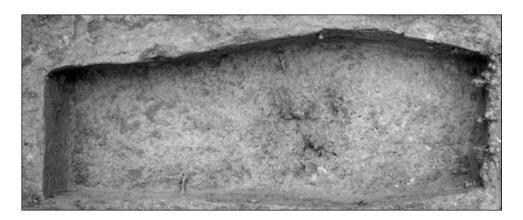


years.

Female aged 17–21.0 years. Evidence of osteomyelitis is observable. Significant osteoarthritic lipping of the lumbar vertebrae is present.



Burial 85Infant aged .25–.75 years.

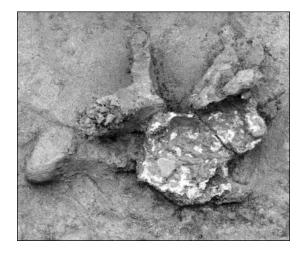


Child aged 6–8 years. Individual has periostitis of the lower and upper limbs and crania. Diploic expansion is indicative of nutritional stress.



Burial 87

Child aged 4–6 years. Diploic expansion indicative of nutritional stress can be observed.



Burial 88

Age and sex indeterminate.



Female aged 50–60 years. There is evidence of enthesopathies at more than 20 muscle insertions and significant hypertrophy at many others. Mild to severe osteoarthritis affects nearly all of the joints examined. Osteophytosis is present in all three vertebral regions.



Burial 90

Female aged 35–40 years. Significant biomechanical work stress is evidenced by numerous enthesopathies and muscle-insertion hypertrophy throughout the skeleton. Mild osteoarthritis affects the shoulder, elbow, and thoracic vertebrae. Schmorl's nodes are present in the lumbar vertebrae. Expanded diploe and healed porotic hyperostosis indicative of nutritional stress and femoral/tibial bowing associated with rickets are observable. Hypoplastic indicators of childhood stress are present.



Burial 91

Infant aged .67–1.3 years of age. Periostitis of the lower and upper limbs can be observed. Diploic expansion indicative of nutritional stress and hypoplasia and hypocalcification indicators of childhood stress are present.

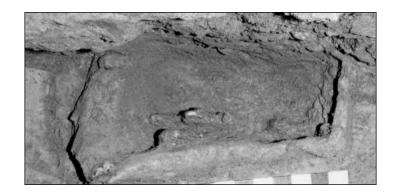


Indeterminate age and sex. (Photo includes Burial 92 and Burial 95.)



Burial 93

Adult of indeterminate age and sex.



Burial 94

Subadult of indeterminate age. No in situ photograph available. Combined with Burial 96; remains are not identifiable in photograph.

Burial 95

Child aged 7–12 years. Enthesopathy at the insertions surrounding the intertubercular groove of the left humerus, and the brachialis insertion of the ulnae show significant hypertrophy. Mild lipping of the zygopophyseal joints affects all vertebral regions.



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Male aged 16–18 years. Mild to moderate hypertrophies of several muscle insertions are present. Periarticular resorptive foci affect the acetabula. Individual has hypoplastic indicators of childhood stress.



Male aged 40–50 years. There is evidence of periostitis of the lower and upper limbs. There are enthesopathies at 20 different locations, and significant muscle-insertion hypertrophies are present throughout the skeleton. Mild to severe osteoarthritis affects many of the axial and appendicular joints. There is carpal-bone fusion in the right wrist. In the vertebral column, thoracic and cervical Schmorl's nodes and lumbar spondylolysis are present. Healed porotic hyperostosis and diploic expansion indicative of nutritional stress can be observed. Hypoplastic indicators of childhood stress are present.



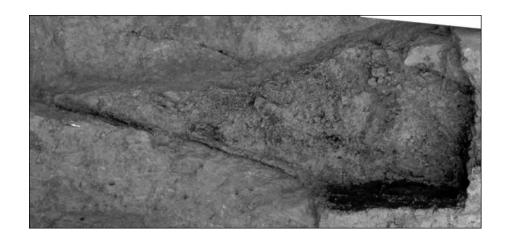




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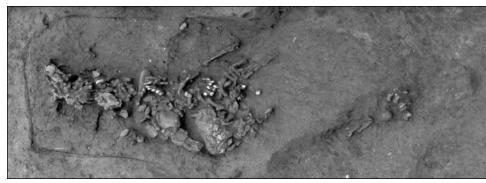
Burial 98

Infant aged 1.0–2.0 years.



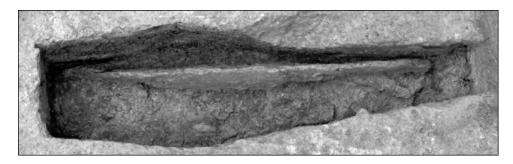
Burial 99

Child aged 6–10.0 years.



Burial 100

Subadult of indeterminate age.



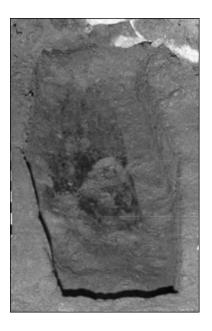
Male aged 26–35 years. Individual has cranial and lower-limb periostitis, saber shins, and possible treponemal disease. Enthesopathies of the brachialis insertions of the ulnae, myositis ossificans in the ribs, and a few muscle-insertion sites with significant hypertrophy can be observed. Mild to severe osteoarthritis affects the axial and appendicular skeleton. Schmorl's nodes and thoracic spondylolysis are also present. A slight amount of nutritional stress can be observed. Hypoplasia and hypocalcification indicators of child-hood stress are present in the dentition. Trace ESA clustering is not clearly suggestive of natality. Sr isotope analysis suggests birth in the Americas/New York, while lead levels are intermediate of African and colonial American signatures.





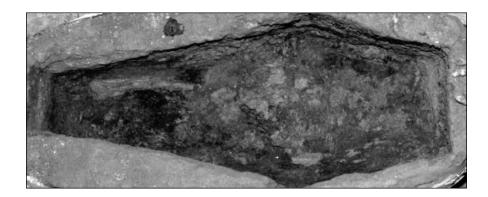
Burial 102

Infant aged 1.33–2.67 years. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 103

Subadult of indeterminate age.



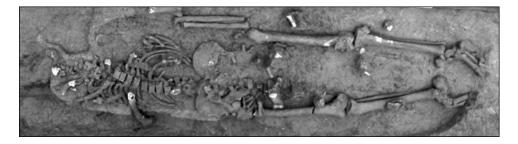
Burial 104

Female aged 30–40 years. There is evidence of lower-limb periostitis, with numerous enthesopathies and significant muscle-insertion hypertrophy. Moderate to severe osteoarthritis affects many axial and appendicular joints. Osteophytosis is present on the cervical and lumbar vertebrae. Diploic expansion indicative of nutritional stress can be observed.



Burial 105

Male aged 35–45 years. Individual has periostitis of the lower and upper limbs. There is significant hypertrophy of the linea aspera and the biceps brachii insertions of the radii. Mild osteoarthritis affects several appendicular joints. Thoracic and lumbar Schmorl's nodes are also present.



Burial 105.1

Female aged 35–45 years (no photograph). Mild osteoarthritis of the hand and knee joints is present.

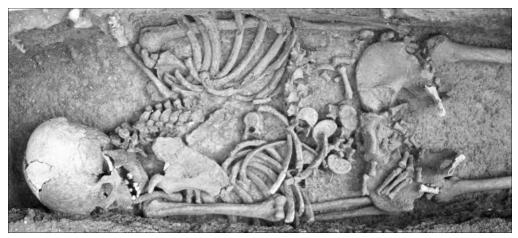
Female aged 25–35 years. Evidence of lower- and upper-limb periostitis can be observed. There is femoral/tibial bowing associated with rickets. Well-developed femoral linea aspera can be observed. Trace ESA clustering is not clearly suggestive of natality. Sr isotope analysis suggests birth in Africa.



Burial 107

Female aged 35–40 years. Individual has enthesopathies or significant hypertrophy of many muscle insertions throughout the skeleton. Mild to moderate osteoarthritis affects most axial and appendicular joints. Osteophytes, Schmorl's nodes, and lumbar spondylolysis of the vertebrae are present. Diploic expansion indicative of nutritional stress can be observed. Hypoplastic indicators of childhood stress are present.





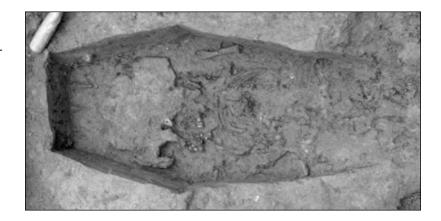
Burial 108

Infant aged .25-.75 years.



Burial 109

Infant aged .67–1.33 years. Hypoplasia and hypocalcification indicate childhood stress.



Burial 110

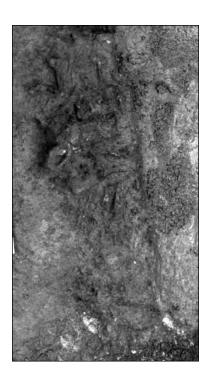
Infant aged -.17-.17 years.



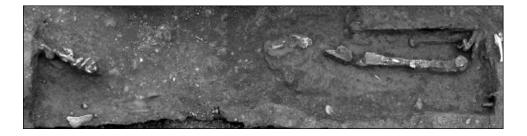
Infant aged .67–1.33 years. Hypoplasias and hypocalcifications indicate childhood stress.



Burial 112Infant aged .25–.75 years.



Burial 113Adult of indeterminate age.



Male aged 45–50 years. Individual has upper and lower-limb periostitis. There is evidence of multiple enthesopathies and significant and muscle-insertion hypertrophies in the upper limbs. The linea aspera of the femora are well developed. Mild osteoarthritis affects several upper- and lower-limb joints, with moderate to severe changes in the elbow and wrist. Osteophytosis is present on cervical, thoracic, and lumbar vertebrae. Healed porotic hyperostosis and diploic expansion indicative of nutritional stress can be observed. Hypoplasias and hypocalcifications indicate childhood stress. Low Sr isotope values suggest birth possibly in the Caribbean.



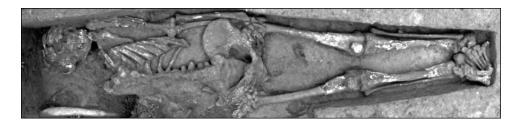
Burial 115

Female aged 25–34.9 years. Lower limb and cranial periostitis are present. Enthesopathic attachments are present on humeri, ulnae, and clavicles. Mild osteoarthritis affects the shoulder, elbow, hand, and knee. Hypoplasias and hypocalcification indicate childhood stress. Trace ESA clustering suggests birth in Africa. Sr isotope analysis suggests birth probably in the Americas/New York.



Burial 116

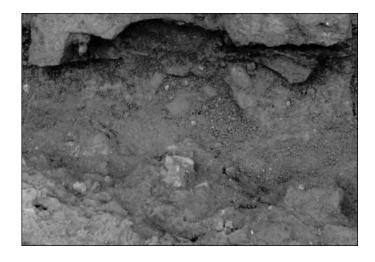
Male aged 45–55 years. There is evidence of lower-limb periostitis and possible treponemal disease. Several enthesopathies of the clavicles and ulnae are observable. Eburnation affects the proximal and distal articulations of the tibiae. Osteophytes are present on the lumbar vertebrae.



Perinatal. There is observable periostitis of lower and upper limbs throughout the skeleton.



Burial 118Adult of indeterminate age.



Burial 119

Male aged 35–45 years. Occipital enthesopathy is present, and periarticular resorptive foci are present at the acetabula.



Female aged 25–34 years. There is evidence of lower-limb periostitis and of well-developed deltoid tuberosities of the humeri. Diploic expansion indicative of nutritional stress can be observed. Hypoplasias and hypocalcifications indicate childhood stress.



Burial 121

Child aged 2.5–4.5 years. Diploic expansion indicative of nutritional stress can be observed. Hypoplasia indicators of childhood stress are present.



Burial 122

Female aged 18–20.0 years. Individual has cranial and lower upper limb periostitis, several muscle insertions with significant hypertrophy throughout the skeleton, and enthesopathies of the humerus and clavicles. Mild to severe osteoarthritis affects axial and appendicular joints. There is femoral/tibial bowing associated with rickets. Healed porotic hyperostosis, cribra orbitalia, and diploic expansion indicative of nutritional stress can be observed.



Infant aged .67–1.33 years. Hypoplasia and hypocalcification indicate childhood stress.



Burial 124

Adult of indeterminate age. Lower-limb periostitis can be observed. Diploic expansion indicative of nutritional stress is present.



Burial 125

Indeterminate age and sex. Evidence of lower-limb periostitis is present. Severe osteoarthritis affects the foot and ankle.

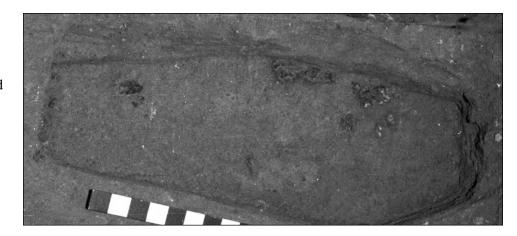


Child aged 3.5–5.5 years. Healed porotic hyperostosis and diploic expansion indicative of nutritional stress can be observed. Hypoplasias indicative of childhood stress are present. Trace ESA clustering is not clearly suggestive of natality.



Burial 127

Infant aged .67–1.33 years. Hypoplasias indicative of childhood stress are present.



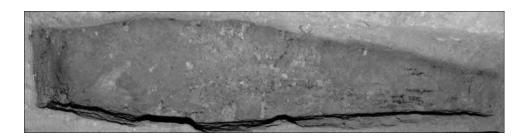
Burial 128

Subadult of indeterminate age.



Burial 129

Indeterminate age and sex.



Burial 130

Infant aged 1.0–2.0 years. Individual has healed cribra orbitalia indicative of nutritional stress; hypoplasia and hypocalcification indicators of childhood stress are also present.



Burial 131Subadult, age unknown.



Male aged 25–30 years. Individual has lower-limb periostitis. The skeleton exhibits syndesmophytes at the rhomboid ligament attachment of the clavicle. Moderate osteoarthritis affects the hip.



Burial 133

Infant aged 1.0–2.0 years. Lower- and upper-limb periostitis can be observed. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 134

Female aged 40–50 years. Individual has lower-limb periostitis and several significant hypertrophies of muscle insertions on the humerus and femur. Moderate to severe osteoarthritis affects the ankle, foot, and shoulder. There is ankylosis of the sacroiliac joints.



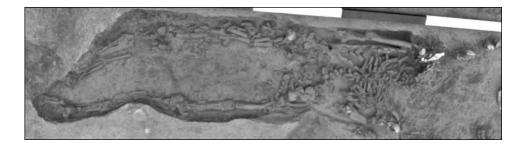
Male aged 30–40 years. Lower-limb periostitis is observable. There are many enthesopathies and significant muscle-insertion hypertrophies throughout the skeleton. Osteoarthritis affects axial and appendicular joints. Osteophytes and Schmorl's nodes are also present. Hypoplasias evidence childhood stress. Healed porotic hyperostosis indicative of nutritional stress can be observed.



Burial 136Subadult of indeterminate age.



Burial 137Adult of indeterminate sex, aged 25–35 years.



Child aged 3–4.9 years. This individual exhibits healed porotic hyperostosis and diploic expansion. Hypoplasia and hypocalcification indicators of childhood stress are present. Trace ESA clustering suggests birth in the Americas/New York. Sr isotope analysis also suggests birth in the Americas/New York.



Burial 139

Empty shaft. (No photograph.)

Burial 140

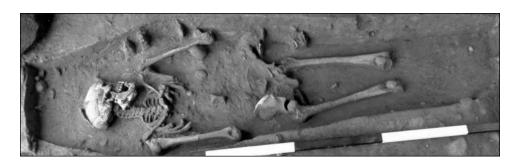
Empty shaft. (No photograph.)

Burial 141

Empty shaft. (No photograph.)

Burial 142

Female aged 25–30 years. Present are significant hypertrophies of single insertions of the ilia, humeri, and scapulae and severe osteoarthritis of the hip and knee. Hypocalcification indicators of childhood stress are present. (Photo includes subadult Burials 144 and 149.)



Burial 143Child aged 6–10 years.



Burial 144Infant aged 0–.17 years.



Burial 145Empty Shaft.



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Burial 146

Infant aged 0-.49 years.



Burial 147

Male aged 55–65 years. Periostitis is present in the lower and upper limbs, and there is possible treponemal disease. Most of the muscle insertions examined show enthesopathies or significant hypertrophy. Moderate to severe osteoarthritis affects all of the major joint complexes. Osteophytes are observable in the cervical, thoracic, and lumbar regions of the spine. Healed cribra orbitalia and diploic expansion indicative of nutritional stress can also be observed. Hypoplasias indicative of childhood stress are present.

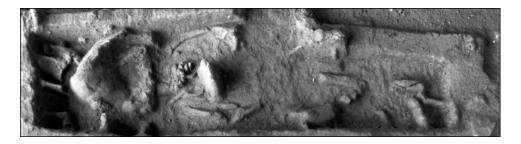


Burial 148

Unsexed individual aged 12–15 years. There is evidence of femoral/tibial bowing associated with rickets. Cranial synostosis can also be observed.



Infant aged .50–1.0 years.



Burial 150

Female aged 20–28 years. There is evidence of cranial and lower- and upper-limb periostitis. Several muscle insertions in the upper limb have significant hypertrophy. Mild to severe osteoarthritis affects many appendicular joints and the lumbar vertebrae. Healed cribra orbitalia indicative of nutritional stress can be observed. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 151

Male aged 35–45 years. Individual has syndesmophytes at the rhomboid attachment on the clavicle and several significant hypertrophies in the upper limb. Mild osteoarthritis affects the axial and appendicular skeleton, with moderate changes in the lumbar vertebrae and elbow. Osteophytosis occurs throughout the vertebral column, and Schmorl's nodes are present on the sacral body and inferior end plate of L5. There is evidence of dislocation at the left temporomandibular joint and osteochondritis dissicans at the knee. Healed porotic hyperostosis and diploic expansion indicative of nutritional stress can also be observed.



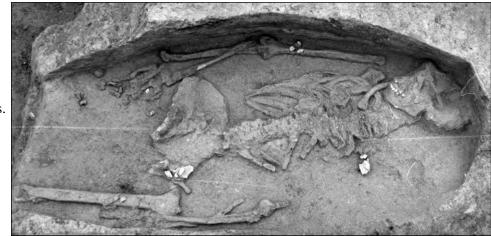
Burial 152

Age and sex indeterminate.



Burial 153

Female of indeterminate age. Hypoplasias indicative of childhood stress are present. Individual has lumbar osteophytosis.

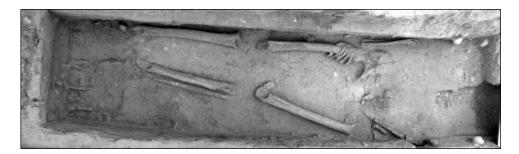


Burial 154

Female aged 25–29 years. This individual has lower- and upper-limb periostitis and multiple enthesopathies and hypertrophies of muscle insertions, predominantly in the upper limb. Mild to moderate osteoarthritis affects the axial and appendicular skeleton. Osteophytes and Schmorl's nodes are also present. Healed porotic hyperostosis and diploic expansion indicative of nutritional stress can be observed.



Adult of indeterminate age and sex. Possible treponemal disease is observable.



Burial 156

Female of indeterminate age. This individual has lower-limb periostitis, multiple enthesopathies, and significant hypertrophies. Mild to moderate osteoarthritis affects all joint complexes examined. There is evidence of femoral/tibial bowing associated with rickets.



Burial 157

Female of indeterminate age and sex. Individual has significant hypertrophy of the gluteal muscle attachments on the femora.



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Male aged 20–30 years. Individual has lower-limb and cranial periostitis. Multiple enthesopathies and significant muscle-insertion hypertrophy are present throughout the skeleton. Mild to severe osteoarthritis affects axial and appendicular joints. Cervical osteophytes and Schmorl's nodes are present. Healed porotic hyperostosis and cribra orbitalia indicative of nutritional stress can also be observed. Hypoplasia and hypocalcification indicators of childhood stress are also present.



Burial 159

Female aged 25–34.9 years. Evidence of meningitis with cranial and lower- and upper-limb periostitis is present. Multiple enthesopathies and significant muscle-insertion hypertrophies are present, primarily in the upper limbs. Mild to moderate osteoarthritis affects axial and appendicular joints. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 160

Child aged 3.5–5.5 years. Hypoplasia and hypocalcification indicators of childhood stress are present. Trace ESA clustering suggests birth in the Americas/New York.

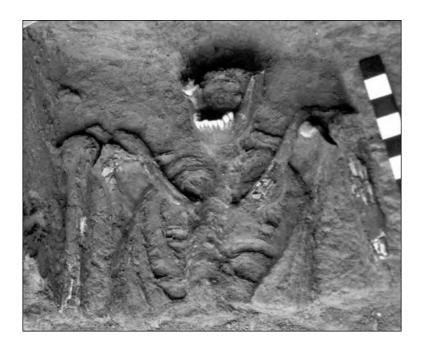


Burial 161Subadult of indeterminate age.



Burial 162

Male aged 35–45 years. Osteophytes of the thoracic vertebrae are present.



Burial 163

Male aged 18–24 years. Significant hypertrophy of the gluteal-muscle attachments of the femora is present.



Child/adolescent aged 8–13 years. The skeleton has significant hypertrophy of the gluteal muscle attachments of the femora and the insertions of the intertubercular grooves on the humeri.



Burial 165

Adult of indeterminate age. There is observable lower-limb periostitis. Healed porotic hyperostosis, cribra orbitalia, and diploic expansion indicative of nutritional stress are present.



Burial 166

Infant aged .50–1.0 years.



Child/adolescent aged 8.5–12.5 years. Trace ESA clustering is not clearly suggestive of natality. Sr isotope analysis suggests birth in the Americas/New York.



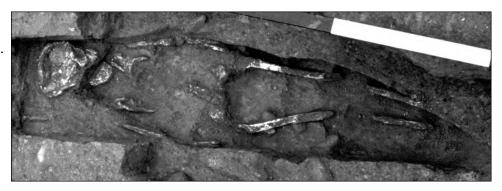
Burial 168

Male of indeterminate age. Individual has several enthesopathies in the upper limbs.



Burial 169

Child aged 5.5–9.5 years. Cribra orbitalia and diploic expansion indicate nutritional deficiency. Trace ESA clustering suggests birth in the Americas/New York.



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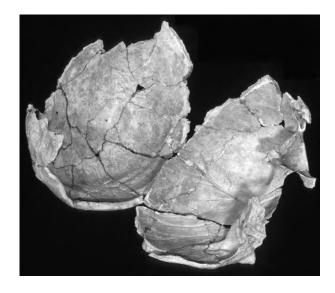
Burial 170

Child aged 7–11.0 years.



Burial 171

Male aged 44–60 years. There is evidence of cranial and lower- and upper-limb periostitis. The individual has enthesopathies or significant hypertrophies at all muscle and ligament attachments examined. Moderate to severe osteoarthritis affects at least one articulation in all axial and appendicular joint regions. Bilateral sacroiliac fusion is present. Healed cribra orbitalia indicative of nutritional stress can be observed. Hypoplasia indicators of childhood stress are also present.



Burial 172

Female aged 25–34.9 years. Evidence of lower-limb periostitis and possible treponemal disease is present. The skeleton has significant muscle-attachment hypertrophy throughout, with enthesopathies on the ulnae and tibiae. Mild osteoarthritis affects the hand and ribs, and there are moderate changes in the knee joint. Cervical osteophytes are present.



Infant aged .25-.75 years.



Burial 174

Male aged 17–18 years. Individual has a moderate number of muscle attachments with hypertrophy or enthesopathies. Mild osteoarthritis affects the ankle, and moderate changes are present in the synovial joints of the lumbar vertebrae. Healed porotic hyperostosis and cribra orbitalia indicative of nutritional stress can be observed.

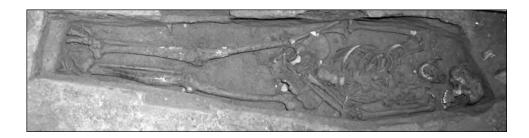


Burial 175

Male aged 24–28 years. There is evidence of lower-limb periostitis. Individual has multiple enthesopathies of the humeri and ulnae with significant muscle-attachment hypertrophies throughout the skeleton. Mild osteoarthritis affects the knee and ankle. Significant lipping is present at the acetabula. Lumbar osteophytosis and Schmorl's nodes are found in the vertebrae. Healed porotic hyperostosis and cribra orbitalia indicative of nutritional stress can be observed.



Male aged 20–24 years. Lower- and upper-limb periostitis is present. The skeleton has significant hypertrophy of three attachments in the upper limb. Mild lipping affects the elbow, ribs, and synovial joints of the cervical vertebrae. Active, healing, and healed porotic hyperostosis and diploic expansion indicative of nutritional stress can be observed.



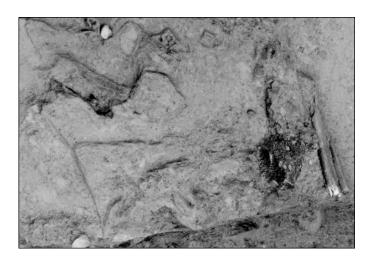
Burial 177

Adult aged 30-60 years. Sex indeterminate.



Burial 178

Adult male of indeterminate age. Mild lipping affects the lumbar synovial joints.



Male aged 25–30 years. There is evidence of cranial and lower-limb periostitis and possible treponemal disease. Individual has significant hypertrophy at several muscle insertions and milder hypertrophy at remaining attachments. Enthesopathies and myositis ossificans are present. There is evidence of osteophytosis of the vertebrae, with severe osteoarthritis and Schmorl's nodes observable. Active, healing, and healed porotic hyperostosis and healed cribra orbitalia indicative of nutritional stress can be observed. Hypoplasia indicators of childhood stress are present.



Burial 180

Child/adolescent aged 11–13 years. Individual has lower-limb periostitis. Mild porosity on articular surface of the humeral and femoral heads is present. There is evidence of femoral/tibial bowing associated with rickets. Trace ESA clustering is not clearly suggestive of natality. Sr isotope analysis suggests birth in the Americas/New York.



Burial 181

Male aged 20–23 years. Lower-limb periostitis and possible treponemal disease. Enthesopathies are present on the left fibula and right humerus. Moderate to severe osteoarthritis affects the sacroiliac joint, shoulder, and ankle. Thoracic Schmorl's nodes are present.

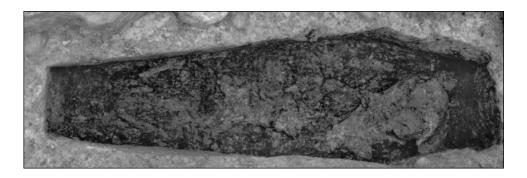


Child/adolescent aged 7.5–12.5 years.



Burial 183

Infant aged .63–1.13 years.



Burial 184

Infant aged 1.0–1.5 years.



Male aged 21–23 years. There is evidence of lower- and upper-limb periosititis. Multiple enthesopathies and significant muscle-attachment hypertrophies concentrated in the upper limb are present. Mild osteoarthritis affects the hip, knee, and elbow, with moderate changes in the hand . Hypoplasias indicative of childhood stress are present.



Burial 186

Infant aged 0-.17 years. Healed cribra orbitalia indicative of nutritional stress can be observed.



Burial 187

Infant aged 1.5–4.0 years. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 188

Adult 26–32 years. Lower-limb periostitis is present.



Burial 189

Adult of indeterminate age and sex. Osteomyelitis can be observed.



Burial 190

Infant age .38–.88 years. Cribra orbitalia indicative of nutritional stress can be observed.



Male aged 25–30 years. Individual has lower-limb periostitis. Multiple enthesopathies and significant muscle-attachment hypertrophies are present throughout the skeleton. Mild osteoarthritis affects the wrist and hand with moderate changes of the ankle and foot joints. Lumbar osteophytes are present. Healed porotic hyperostosis and cribra orbitalia indicative of nutritional stress can also be observed.



Burial 192

Female aged 40–60 years. A number of enthesopathies and significant muscle-attachment hypertrophies are scattered throughout the skeleton. Severe osteoarthritis with eburnation is present in the elbow, wrist, ankle, and foot. Healed porotic hyperostosis and diploic expansion indicative of nutritional stress can be observed.

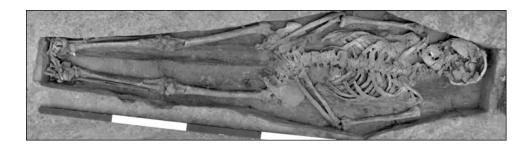


Burial 193

Male aged 30–48 years. There is evidence of lower-limb periostitis. Several enthesopathies of the upper limb and significant muscle-attachment hypertrophies throughout the skeleton are present. Moderate osteoarthritis affects the hip, elbow, and shoulder. Femoral/tibial bowing associated with rickets was observed.



Male aged 30–40 years. Individual has lower-limb periostitis. Enthesopathies of the attachments surrounding the intertubercular groove of the humeri and other attachments exhibit significant muscle-attachment hypertrophy. Lumbar osteophytes are present, and moderate osteoarthritis affects the elbow, knee, ankle, and foot. Diploic expansion indicative of nutritional stress can be observed.



Burial 195

Female aged 30–40 years. Evidence of lower-limb periostitis is present. Numerous enthesopathies and muscle-attachment hypertrophies are concentrated in the upper limbs. Mild to moderate osteoarthritis affects most joints in the axial and appendicular skeleton, with carpal-joint fusion in the wrist. Cervical and thoracic osteophytes are present. Healed porotic hyperostosis and cribra orbitalia indicate nutritional deficiency.



Burial 196

Adult aged 20–24 years. Healed porotic hyperostosis indicative of nutritional stress can be observed.

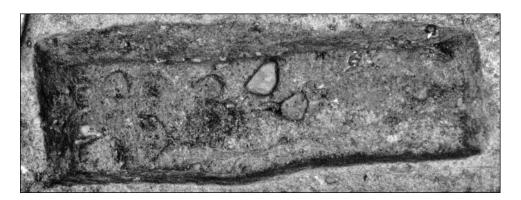


Female aged 45–55 years. Individual has lower-limb periostitis. Numerous enthesopathies and muscle-attachment hypertrophies occur throughout the skeleton. Mild to severe osteoarthritis affects most axial and appendicular joints. Cervical and thoracic osteophytes are present. Healed porotic hyperostosis indicative of nutritional stress can be observed.



Burial 198

Subadult of indeterminate age.



Burial 199.1

Female aged 30–40 years. Lower-limb periostitis is present. Moderate numbers of enthesopathies and significant muscle-attachment hypertrophies are present throughout the skeleton. Mild to severe osteoarthritis affects most axial and appendicular joints. Cervical and thoracic osteophytes and myositis ossificans of the left femur are present. Healed porotic hyperostosis indicative of nutritional stress can be observed.



Burial 199.2

Adult male of indeterminate age. (No photograph).

Burial 199.3

Infant aged 0–4.1 years. (No photograph).

Burial 200

Male of indeterminate age. The individual has well-developed deltoid tuberosities on the humeri. Moderate osteoarthritis affects the elbow joint with lumbar and sacral osteophytes present. Hypoplasias indicative of childhood stress are present.



Burial 201

Infant aged 1.50–3.5 years. Periostitis of the lower and upper limbs is present. Hypoplasia and hypocalcification indicators of childhood stress are present.



Female aged 12–18 years. Periostitis of the lower limbs is observable. Femoral/tibial bowing associated with rickets is present.



Burial 203Adult aged 12–18 years.

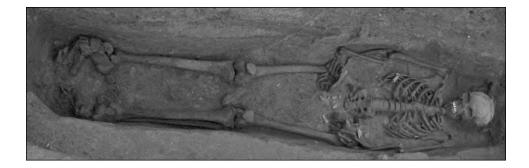


Female of indeterminate age. Individual has a few enthesopathies and significant muscle-attachment hypertrophies on the humeri and clavicles. Mild to moderate osteoarthritis affects the ribs and shoulder joints with cervical osteophytes also present.



Burial 205

Female aged 18–20 years. Individual has several enthesopathies and significant muscle-insertion hypertrophies, primarily in the upper limb . Mild osteoarthritis affects appendicular joints. Hypoplastic indicators of childhood stress are present.



Burial 206

Subadult of indeterminate age.



Burial 207

Female aged 25–35 years. Periostitis of the lower limbs is present, with enthesopathies of the linea aspera and significant muscle-attachment hypertrophies on the ulnae and tibiae. Mild osteoarthritis is present which affects the knee, ankle and foot. Diploic expansion indicative of nutritional stress can be observed.



Burial 208Infant aged .5–1.0 years.



Male aged 40–50 years. Individual has periostitis of the crania and lower and upper limbs, lower-limb osteomyelitis, saber shins, and possible treponemal disease. Numerous enthesopathies and significant muscle-insertion hypertrophies are present throughout the skeleton. Moderate to severe osteoarthritis affects most axial and appendicular joints. Also present is osteophytosis of the vertebrae, with observable Schmorl's nodes. Active, healing, and healed porotic hyperostosis with diploic expansion indicative of nutritional stress can also be observed.



Burial 210

Male aged 35–45 years. Periostitis of the crania, lower and upper limbs with enthesopathies, and many muscle attachments with significant hypertrophy can be seen throughout the skeleton. Moderate to severe osteoarthritis affects most axial and appendicular joints. Osteophytes are present, and there is endplate collapse in the lumbar vertebrae. Healed porotic hyperostosis and cribra orbitalia indicative of nutritional stress can also be observed. Hypoplasia indicators of childhood stress are present.



Burial 211

Adult of indeterminate age and sex.

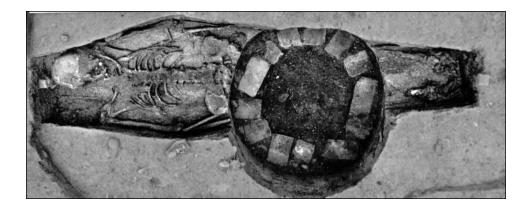


Child aged 4.5–5.5 years. Individual has lower-limb periostitis.



Burial 213

Female aged 45–55 years. Individual has a moderate number of enthesopathies and muscle attachments with significant hypertrophy throughout the skeleton. Mild to moderate lipping affects the lumbar synovial joints and sacroiliac articulation. Diploic expansion indicative of nutritional stress can be observed.



Burial 214

Male aged 45–55 years. There is evidence of lower- and upper-limb periostitis. Throughout the skeleton are numerous enthesopathies and significant muscle-attachment hypertrophies. Moderate to severe osteoarthritis affects most axial and appendicular joints. Cervical, thoracic, and lumbar osteophytosis is present. There is evidence of femoral/tibial bowing associated with rickets. Healed porotic hyperostosis and cribra orbitalia with diploic expansion indicative of nutritional stress can be observed. Hypoplastic indicators of childhood stress are also present. Sr isotope analysis suggests birth in Africa.



Burial 215

Infant aged 0-.16 years.



Burial 216

Infant aged 0-.16 years.



Burial 217

Male aged 17–19 years. Individual has periostitis of the crania and lower limbs, with numerous enthesopathies and significant muscle-attachment hypertrophies throughout the skeleton. Mild to severe osteoarthritis affects most axial and appendicular joints. There is evidence of femoral/tibial bowing associated with rickets. Healed porotic hyperostosis and active and healing cribra orbitalia with diploic expansion indicative of nutritional stress can be observed. Hypoplastic indicators of childhood stress are present.



Burial 218Infant aged .50–3.5 years.



Child aged 4-5 years. There is evidence of lower- and upper-limb periostitis present. Individual has lytic syndesmopathy of the rhomboid ligament attachment. There is evidence of femoral/ tibial bowing associated with rickets. Trace ESA clustering suggests birth in the Americas/New York. Sr isotope analysis also suggests birth in the Americas/New York.



Burial 220

Subadult of indeterminate age.



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Male aged 30–60 years. There is evidence of lower-limb periostitis and possible treponemal disease. A moderate number of significant muscle-insertion hypertrophies are observable throughout the skeleton. Mild osteoarthritis affects the knee and ankle with moderate changes in the joints of the hand. Healed porotic hyperostosis indicative of nutritional stress can be observed.



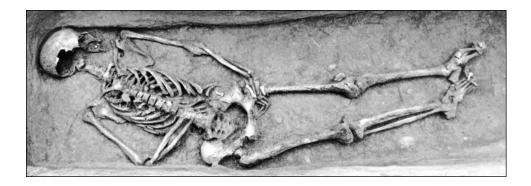
Burial 222

Male of indeterminate age. Evidence of lower-limb periostitis and possible treponemal disease is present. Enthesopathies and significant muscle-attachment hypertrophies occur throughout the skeleton. Mild osteoarthritis affects the elbow with moderate changes in the wrist and ankle. There is observable femoral/tibial bowing associated with rickets.



Burial 223

Female aged 25–35 years. There is evidence of lower-limb periostitis, possible treponemal disease, and several enthesopathies. A moderate number of significant hypertrophies is observable. Moderate to severe osteoarthritis affects most axial and appendicular joints. Osteophytes and thoracic Schmorl's nodes are present.

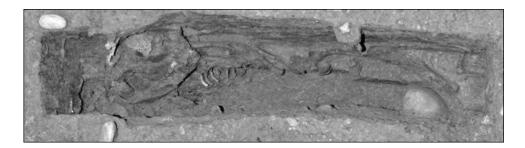


Infant aged .5–1.33 years. Hypoplasias and hypocalcifications indicative of childhood stress are present.



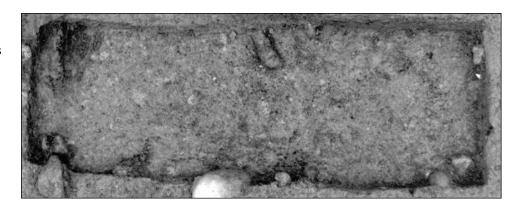
Burial 225

Infant aged .50–1.25 years. Periostitis of the crania and lower and upper limbs is present. Healed cribra orbitalia indicative of nutritional stress can also be observed.



Burial 226

Infant aged 0-.17 years



Burial 227

Indeterminate age and sex. Lower-limb periostitis is observable.



Burial 228

Male adult of indeterminate age. Individual has lower-limb periostitis and possible treponemal disease. Enthesopathies and several muscle attachments with significant hypertrophies are present. Mild to moderate osteoarthritis affects the appendicular joints that are present. There is evidence of femoral/tibial bowing associated with rickets.



Child aged 6.75–11.25 years. Hypoplastic indicators of childhood stress are present.



Burial 230

Female aged 55–65 years. There is evidence of lower-limb periostitis with numerous enthesopathies and muscle-insertion hypertrophies. Moderate to severe osteoarthritis affects most axial and appendicular joints. Cervical and lumbar osteophytosis is present. Active and healing cribra orbitalia, healed porotic hyperostosis, and diploic expansion indicative of nutritional stress can be observed.



Burial 231

Subadult of indeterminate age. (No photograph.)

Burial 232Subadult, age unknown.



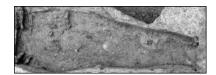
Burial 233

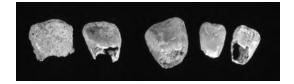
Age and sex indeterminate.



Burial 234

Infant aged 0–4.1 years.



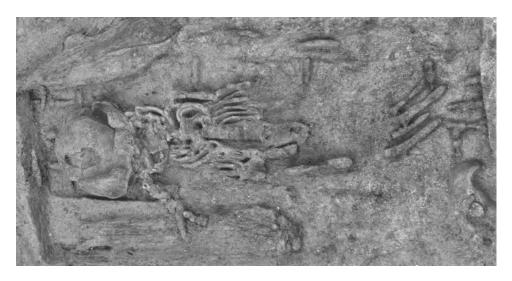


Burial 235

Female aged 28–42 years. Individual has several enthesopathies and muscle attachments with significant hypertrophies. Moderate to severe osteoarthritis primarily affects the lower-limb joints.



Child aged 4–5 years. Diploic expansion indicative of nutritional stress can be observed. Trace ESA clustering is not clearly suggestive of natality. Sr isotope analysis suggests birth in the Americas/New York



Burial 237

Age and sex are indeterminate.



Burial 238

Male aged 40–50 years. There is evidence of lower-limb periostitis and possible treponemal disease. Numerous enthesopathies and significant muscle-attachment hypertrophies are present. Moderate to severe osteoarthritis affects most axial and appendicular joints. Osteophytosis is present throughout the vertebral column. Healed porotic hyperostosis and diploic expansion indicative of nutritional stress can be observed. Hypoplastic indicators of childhood stress are also present.



Infant aged 1.5–3.5 years. Diploic expansion indicative of nutritional stress can be observed. Hypocalcification and hypoplasia indicators of childhood stress are present.



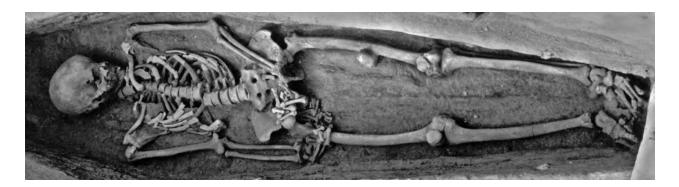
Burial 240

Infant aged .88-2.66 years.



Burial 241

Female aged 55–65 years. Individual has lower- and upper-limb periostitis and possible treponemal disease. Numerous enthesopathies and muscle attachments with significant hypertrophies are present. Moderate osteoarthritis affects most appendicular joints. Osteophytosis is present throughout the vertebral column. There is evidence of femoral/tibial bowing associated with rickets.



Female aged 40–50 years.



Burial 243

Male aged 40–50 years.



Burial 244Child aged 5–9 years.



Child aged 2.5–4.5 years. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 246

Infant aged .50-2.9 years.



Burial 247

Male aged 35–45 years. Individual has lower- and upper-limb periostitis and possible treponemal disease. Numerous enthesopathies and significant muscle-attachment hypertrophies are present. Moderate osteoarthritis affects most appendicular joints. Diploic expansion indicative of nutritional stress can be observed.

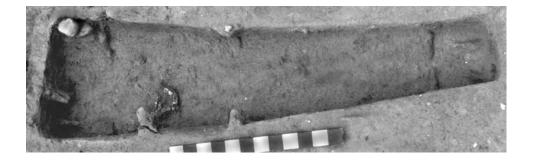


Burial 248Child/adolescent aged 14–15 years.



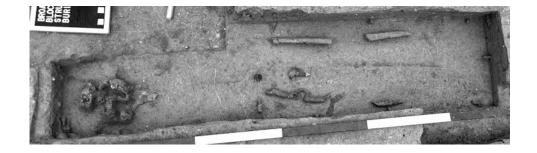
Burial 249

Infant aged .67–1.33 years. Hypoplasia indicators of childhood stress are present.

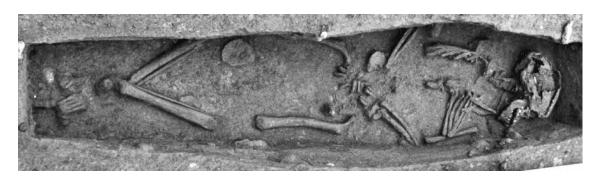


Burial 250

Adult of indeterminate age.



Subadult aged 12-24 years.





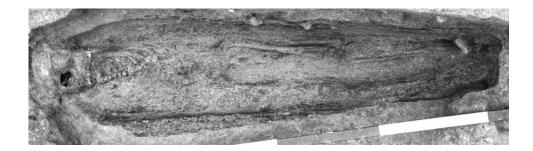
Burial 252

Infant aged 1–2 years. Individual has lower- and upper-limb and cranial periostitis. Healed porotic hyperostosis indicative of nutritional stress can also be observed. Hypocalcification indicators of childhood stress are present.



Burial 253

Child/adolescent aged 13–15 years. There is evidence of cranial and lower- and upper-limb periostitis. Individual has syndesmophytes and enthesophytes of the clavicles. Myositis ossificans on the thoracic vertebrae is observable. Diploic expansion indicative of nutritional stress is also present.



Child aged 3.5–5.5 years. Diploic expansion indicative of nutritional stress can be observed. There is also evidence of femoral/tibial bowing associated with rickets.



Burial 255Infant aged 0–.17 years.

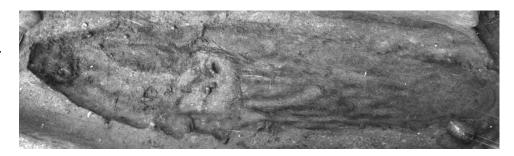


Burial 256Male aged 40–60 years.



Burial 257

Male aged 30-40 years.



Burial 258

Infant aged 0-.50 years.



Burial 259

Female aged 17–19 years. There is evidence of lower-limb periostitis and possible treponemal disease. Several enthesopathies and significant muscle-insertion hypertrophies are present, primarily on the upper limbs. Moderate osteoarthritis affects the elbow and knee, and mild changes are present in the hand and ankle joints.



Age and sex indeterminate. There is periostitis of the lower limbs, saber shins, and possible treponemal disease.



Burial 261

Empty shaft. (No photograph.)

Burial 262

Male aged 15–17 years. Hypoplasia indicators of childhood stress are present. Sr isotope analysis suggests birth in the Americas/New York.



Burial 263

Subadult of indeterminate age.



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Adult of indeterminate age and sex.



Burial 265

Infant aged .50–1.0 years.



Burial 266

Female aged 25–35 years. Trace ESA clustering, Sr isotope analysis, and low Pb concentration suggest birth in Africa.

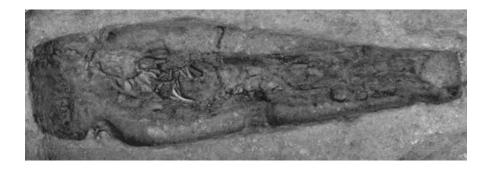


Adult of indeterminate age and sex.



Burial 268

Infant aged 0–.50 years. Evidence of periostitis of the lower and upper limbs.



Burial 269Adult of indeterminate age and sex.



Male of indeterminate age. There is evidence of lower-limb periostitis, saber shins, and possible treponemal disease. Individual has enthesopathies on the tibiae and well-developed linea aspera on the femora. Moderate osteoarthritis affects the ankle and foot with mild changes in the knee. There is evidence of femoral/tibial bowing associated with rickets. Trace ESA clustering suggests birth in Africa; however, low Sr isotope values suggest birth possibly in the Caribbean.



Burial 271

Male aged 45–55 years. There is evidence of periostitis of the lower and upper limbs, saber shins, and possible treponemal disease. Numerous enthesopathies and significant muscle-attachment hypertrophies are observable. Moderate osteoarthritis affects all appendicular joints. Diploic expansion indicative of nutritional stress can also be observed.



Burial 272

Infant aged .25-.75 years.



Age and sex indeterminate. There is evidence of periostitis of the lower limbs and possible treponemal disease.



Burial 274Female of indeterminate age.



Burial 275

Female of indeterminate age. Femora exhibit significant muscle-attachment hypertrophies.

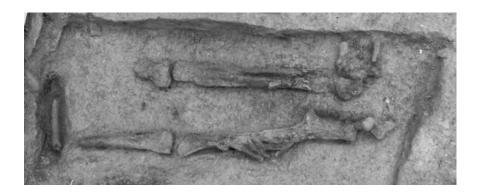


Female aged 20–24 years. Hypoplastic indicators of childhood stress are present.



Burial 277

Subadult of indeterminate age.



Burial 278

Male aged 45–55 years. There is evidence of periostitis of the lower limbs and possible treponemal disease. Numerous enthesopathies and significant muscle-attachment hypertrophies are present. Mild to moderate osteoarthritis affects most axial and appendicular joints. Osteophytosis, cervical Schmorl's nodes, and cervical spondylolysis are present.



Adult of indeterminate age and sex.



Burial 280

Adult female of indeterminate age.



Burial 281

Male of indeterminate age. Trace ESA clustering suggests birth in Africa; however, Sr isotope analysis suggests birth probably in the Americas/New York.



Male aged 32.5–42.5 years. Cranial and lower-limb periostitis with several significant enthesopathies and muscle-attachment hypertrophies are present. Mild to moderate osteoarthritis affects the hand, hip, knee, ankle, and cervical vertebrae. Healed cribra orbitalia indicative of nutritional stress can be observed.



Burial 283

Infant aged .33–.67 years. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 284

Male aged 21–28 years. There is evidence of lower-limb periostitis with significant enthesopathies and muscle-attachment hypertrophies. Mild to moderate osteoarthritis affects most appendicular joints.



Female aged 20–30 years. Hypoplasia indicators of childhood stress are present.





Burial 286

Child aged 4.5–8.5 years. There is evidence of lower-limb periostitis with enthesopathies at gluteal insertions of the femora. Lipping is present at the vertebral articulations. Healed porotic hyperostosis indicative of nutritional stress can be observed.



Male aged 18–20 years. There is evidence of lower-limb periostitis and possible treponemal disease. Several enthesopathies and significant muscle-attachment hypertrophies are present. Moderate osteoarthritis affects the elbow and lumbar vertebrae.



Burial 288

Adult of indeterminate age. There is evidence of periostitis of the lower limbs.



Burial 289

Child aged 5–9 years. Diploic expansion indicates nutritional stress.



Male aged 45–55 years. Individual has several enthesopathies and significant muscle attachment with hypertrophy. Mild to moderate osteoarthritis affects the upper-limb joints. Diploic expansion indicative of nutritional stress can be observed.



Burial 291Infant aged 3–5 years.





Adult of indeterminate age and sex.



Burial 293

Adult male of indeterminate age. Individual has several significant muscle-attachment hypertrophies.



Burial 294

Subadult .5–1 year.



Female aged 30–50 years. Individual has well-developed linea aspera and gluteal attachments on the femora.



Burial 296Infant aged .50–2.9 years.



Burial 297

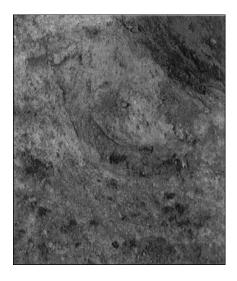
Male aged 30–40 years. There is evidence of lower-limb periostitis with several enthesopathies and significant muscle-insertion hypertrophies. Mild to severe osteoarthritis affects many appendicular joints. Fusion of foot phalanges is present.



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Burial 298

Infant aged .67-1.33 years.



Burial 299

Male aged 40–50 years. Individual has lower-limb periostitis and possible treponemal disease. There is evidence of enthesopathies and significant muscle-attachment hypertrophies. Mild to severe osteoarthritis affects many axial and appendicular joints; cervical osteophytosis is also present. Femoral/tibial bowing associated with rickets is present. Healed porotic hyperostosis, cribra orbitalia, and diploic expansion indicative of nutritional stress can be observed.



Burial 300

Subadult of indeterminate age.



Burial 301Adult of indeterminate age and sex.



Burial 301.2Subadult of indeterminate age.



Adult female of indeterminate age. Individual has significant muscle-attachment hypertrophy of the tibiae.



Burial 303Infant aged .50–1 year.

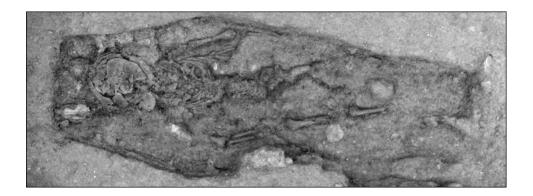


Child aged 3–4.9 years. Healed cribra orbitalia and diploic expansion indicative of nutritional stress is observable. Trace ESA clustering and low Pb concentration suggest birth in the Americas/New York



Burial 305

Infant aged -.33-.33 years. Active cribra orbitalia and diploic expansion indicative of nutritional stress can be observed.



Burial 306

Male aged 28–44 years. Periostitis of the lower limbs and possible treponemal disease are evident. The skeleton has several significant muscle-attachment hypertrophies. Mild osteoarthritis affects several appendicular joints, with moderate changes at the hip joint. Cervical osteophytes are present. Healed porotic hyperostosis indicative of nutritional stress can be observed.



Male aged 45–55 years. A small degree of osteoarthritis affects the elbow.



Burial 308

Subadult of indeterminate age.



Burial 309

Male aged 20–25 years. Individual has a few enthesopathies and muscle attachments with significant hypertrophies. Moderate osteoarthritis affects the elbow, hip, and lumbar vertebrae. There is evidence of femoral/tibial bowing associated with rickets.

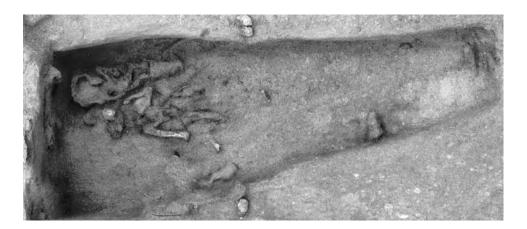


Female aged 44–52 years. Individual has numerous enthesopathies with significant muscle-attachment hypertrophies, primarily in the upper limb. Moderate to severe osteoarthritis affects many axial and appendicular joints.

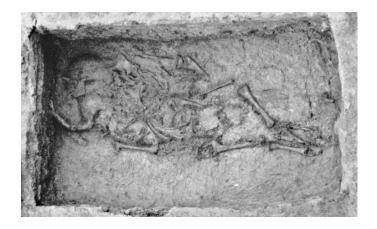


Burial 311

Infant aged .25–.75 years. Healed cribra orbitalia indicative of nutritional stress can also be observed.



Burial 312Infant aged 0–.30 years.



Male aged 45–55 years. Hypoplasia indicators of childhood stress are present.



Burial 314

Male aged 40–50 years. Periostitis of the lower and upper limbs is present. Individual has numerous enthesopathies and muscle attachments with significant hypertrophies. Mild to moderate osteoarthritis affects the joints of the lower limb, lumbar vertebrae, wrist, and hand . Lumbar Schmorl's nodes are present. Diploic expansion indicative of nutritional stress can be observed.



Burial 315

Female aged 30–40 years. Periostitis of the lower limbs is observable. The skeleton has syndesmophytes in the clavicles and enthesopathies at the brachialis insertions of the ulnae. Mild to moderate osteoarthritis is present in the vertebral column, elbow, hip, and ankle.



Female aged 18–20 years. Individual has a few enthesopathies with significant muscle-attachment hypertrophies. Mild osteoarthritis affects the cervical and thoracic vertebrae, ribs, and hip. Moderate changes are present in the lumbar vertebrae. Cervical osteophytosis and lumbar Schmorl's nodes are present. Healed cribra orbitalia indicative of nutritional stress can also be observed.



Burial 317

Male aged 19–39 years. Lower-limb periostitis is evident. Individual has well-developed linea aspera and mild osteoarthritis in the hip.



Child/adolescent aged 7.5–14 years. There is evidence of periostitis on the lower limbs.



Burial 319

Adult of indeterminate age. There is evidence of periostitis of the lower limbs with a well-developed linea aspera and gluteal insertions of the femora.



Burial 320Child aged 2–4 years.



Infant aged 1–2 years. Diploic expansion indicative of nutritional stress can be observed. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 322

Female of indeterminate age. Individual has lower-limb periostitis and lumbar osteophytosis. There is also evidence of femoral/tibial bowing associated with rickets.



Male aged 19–30 years. This individual exhibits some periostitis of the lower limbs and cranial evidence of infection on the bone; he also has numerous enthesopathies and muscle attachments with significant hypertrophies. Mild to moderate osteoarthritis affects many axial and appendicular joints. Osteophytosis and thoracic Schmorl's nodes are present. Healed porotic hyperostosis indicative of nutritional stress can be observed. Sr isotope analysis suggests birth in the Americas/New York.



Burial 324

Female aged 25–35 years. Individual has cranial and lower- and upper-limb periostitis and possible treponemal disease. Several enthesopathies and muscle attachments with significant hypertrophies are present. Mild osteoarthritis affects the vertebral column, hand, ankle, and foot. Diploic expansion indicative of nutritional stress can also be observed.



Burial 325

Male aged 25–35 years. There is evidence of periostitis of the lower and upper limbs, saber shins, and possible treponemal disease. Robust development of long bones, with hypertrophy of a few specific muscle attachments, is present. Diploic expansion indicative of nutritional stress can be observed.



Male aged 45–55 years. Sr isotope analysis (of dentin only) is not clearly suggestive of natality.



Burial 327

Male aged 35–45 years. There is evidence of lower-limb periostitis. Several enthesopathies and muscle attachments with significant hypertrophies, primarily in the upper limbs, are observable. Mild to moderate osteoarthritis affects several axial and appendicular joints. Cervical osteophytosis is present. Diploic expansion and healed porotic hyperostosis indicative of nutritional stress can also be observed.



Burial 328

Female aged 40-50 years.



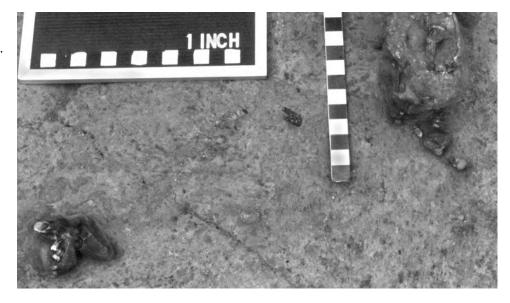
Adult male of indeterminate age. Individual has cranial and lower-limb periostitis and possible treponemal disease. Numerous enthesopathies and muscle attachments with significant hypertrophies can be observed. Mild to moderate osteoarthritis affects several axial and appendicular joints, and cervical osteophytosis is present.



Burial 330Male aged 28–58 years.



Burial 331Adult aged 30–35 years.



Male aged 35–40 years. Periostitis of the cranium and lower limbs and possible treponemal disease are evident. Individual has enthesopathies of the humeri and femora. Healed cribra orbitalia and porotic hyperostosis with diploic expansion indicative of nutritional stress can be observed.



Burial 333Male aged 45–55 years.



Burial 334Subadult of indeterminate age.

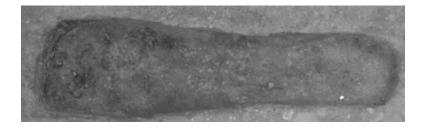


Female aged 25–34.9 years. There is evidence of lower-limb periostitis and possible treponemal disease. Numerous enthesopathies and muscle attachments with significant hypertrophies are present. Mild to moderate osteoarthritis affects several axial and appendicular joints. Sacral osteophytosis and lumbar Schmorl's nodes are present. Healed porotic hyperostosis indicative of nutritional stress can be observed. Hypoplasia indicators of childhood stress are present.



Burial 336

Infant aged .50–1.0 years.



Burial 337

Male aged 40–50 years. Individual has lower-limb periostitis and numerous enthesopathies and muscle attachments with significant hypertrophies. Mild to moderate osteoarthritis affects several axial and appendicular joints with cervical osteophytosis. Healed porotic hyperostosis indicative of nutritional stress can be observed. Hypoplastic indicators of childhood stress are present.



Female aged 33–65 years. Individual has lower-limb periostitis, and enthesopathies are present on the femora and patellae. Mild osteoarthritis affects the hip with moderate changes in the knee and elbow.



Burial 339

Subadult of indeterminate age.



Burial 340

Female aged 39.3–64.4 years. Evidence of lower-limb periostitis is observable. Individual has enthesopathies of the gluteal attachments on the femora and significant hypertrophy of the lateral scapulae and flexor attachments on the ulnae. Moderate osteoarthritis affects the hip with mild changes in the shoulder; osteophytosis affects the cervical and lumbar vertebrae. Diploic expansion indicative of nutritional stress can also be observed.



Male of indeterminate age. Periostitis of the lower and upper limbs is present. Individual has several enthesopathies of the humeri, ulnae, and femora. Mild osteoarthritis affects the knee. Bilateral sacroiliac fusion and vertebral osteophytes are present. Diploic expansion indicative of nutritional stress can be observed.



Burial 342

Female aged 25–34.9 years. Periostitis of the lower limbs and several enthesopathies and muscle attachments with significant hypertrophies are present. Mild to moderate osteoarthritis affects several axial and appendicular joints; also present are lumbar osteophytosis and Schmorl's nodes. Healed porotic hyperostosis indicative of nutritional stress can be observed.

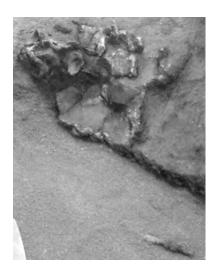


Burial 343

Male aged 19–23 years. There is evidence of cranial and lower- and upper-limb periostitis. Individual has enthesopathies of the occipital and syndesmophytes on the clavicle. Mild to moderate osteoarthritis affects the shoulder, hand, ankle, and cervical vertebrae. Healed cribra orbitalia indicative of nutritional stress can be observed. Hypoplastic indicators of childhood stress are present.



Male aged 25–34.9 years. Individual has many enthesopathies and muscle attachments with significant hypertrophies. Healed cribra orbitalia and porotic hyperostosis with diploic expansion indicative of nutritional stress can be observed.



Burial 345

Adult of indeterminate age and sex.



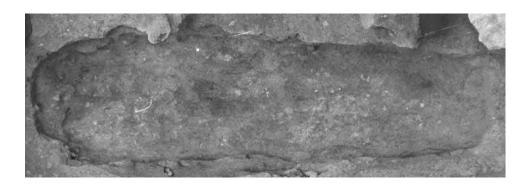
Burial 346

Female aged 50–70 years. There is evidence of periostitis of the lower and upper limbs. Several enthesopathies and muscle attachments with significant hypertrophies are present. Moderate to severe osteoarthritis affects the lower limb, and lumbar joints and cervical osteophytosis are present. Diploic expansion indicative of nutritional stress can be observed.



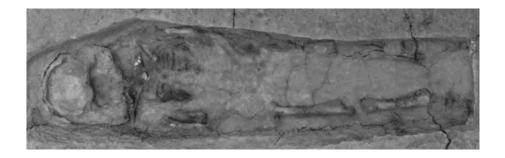
Burial 347

Infant aged .50–1.0 years. Diploic expansion indicative of nutritional stress can be observed.



Burial 348

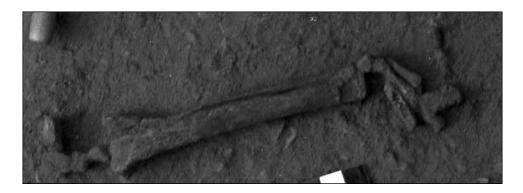
Infant aged 1.0–2.0 years.



Burial 349Infant aged 0–4.1 years.



Age and sex indeterminate.



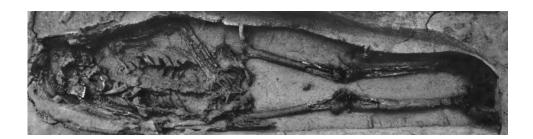
Burial 351

Male aged 50–60 years. Individual has numerous enthesopathies and muscle attachments with significant hypertrophies. Mild to severe osteoarthritis affects nearly all of the axial and appendicular joints. Lumbar osteophytosis and Schmorl's nodes are present. Healed porotic hyperostosis indicative of nutritional stress can be observed.



Burial 352

Male of indeterminate age. There is evidence of lower-limb periostitis, saber shins, and possible treponemal disease. The skeleton has several enthesopathies and muscle attachments with significant hypertrophies. Mild to severe osteoarthritis affects many appendicular joints. Diploic expansion indicative of nutritional stress can be observed.



Male aged 24–34 years. Individual has lower- and upper-limb periostitis. The skeleton has numerous enthesopathies and muscle attachments with significant hypertrophies. Mild osteoarthritis affects the shoulder, knee, elbow, and hip and osteophytosis is present throughout the vertebral column. Diploic expansion and healed porotic hyperostosis indicative of nutritional stress can also be observed. Hypoplasia indicators of childhood stress are present.



Burial 354

Male aged 35–45 years. Periostitis of the lower limbs is evident. The skeleton has numerous enthesopathies and muscle attachments with significant hypertrophies. Mild osteoarthritis affects several axial and appendicular joints. Lumbar osteophytosis and Schmorl's nodes are present. Healed porotic hyperostosis indicative of nutritional stress can be observed.

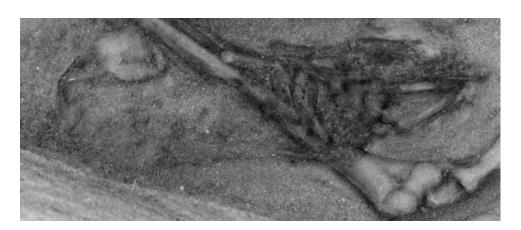


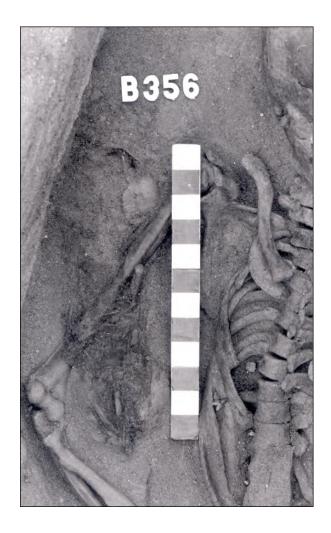
Burial 355Adult of indeterminate age and sex.



Subadult of indeterminate age. Infant interred with Burial 335 (on right arm).







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Male aged 45–65 years. Individual has lower-limb periostitis. Enthesopathy is present on the tibiae. Moderate osteoarthritis affects the knee, ankle and wrist.



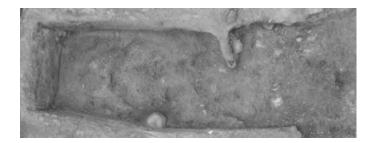
Burial 358

Adult of indeterminate age and sex.



Burial 359

Subadult of indeterminate age.



Burial 360

Subadult age unknown.



Burial 361

Male aged 33–57 years. Periostitis of the lower limbs and enthesopathies are present on the tibiae and femora. Healed porotic hyperostosis and diploic expansion indicative of nutritional stress can be observed.



Adult of indeterminate age. Diploic expansion indicative of nutritional stress is present.



Burial 363

Infant aged 1–2 years. Meningitis with cranial and lower- and upper-limb periostitis are observable. Hypoplasia and hypocalcification indicators of childhood stress are present.



Burial 364

Male aged 25–35 years. Periostitis of the lower limbs is evident. Individual has several enthesopathies and muscle attachments with significant hypertrophies. Mild osteoarthritis affects the elbow with moderate changes in the ankle.

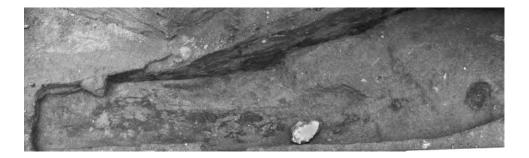


Adult female of indeterminate age. The individual has lower-limb periostitis and mild osteoarthritis of the knee. Femoral/tibial bowing associated with rickets is present.



Burial 366

Adult of indeterminate age and sex. Periostitis of the lower limbs and possible treponemal disease are observable.

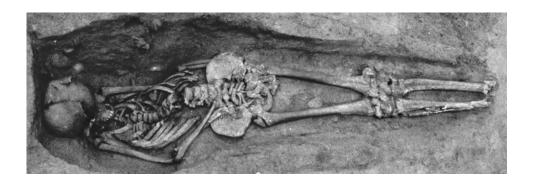


Burial 367

Female aged 25–35 years. Trace ESA clustering, Sr isotope analysis, and low Pb concentration suggest birth in Africa.



Child/adolescent aged 10.5–13.5 years. Healed cribra orbitalia indicative of nutritional stress can be observed.



Burial 369

Male aged age 40–50 years. Individual has lower-limb periostitis, saber shins, and possible treponemal disease. Numerous enthesopathies and muscle insertions with significant hypertrophies are present. Mild to severe osteoarthritis affects most axial and appendicular joints. Several carpal bones in both wrists are fused. Osteophytosis and cervical Schmorl's nodes are present. There is evidence of femoral/tibial bowing associated with rickets. Hypoplastic indicators of childhood stress are present.



Burial 370

Child aged 2–4 years. Hypoplastic indicators of childhood stress are present.



Burial 371Female aged 25–35 years.



Burial 372 Female aged 25–35 years.



Female aged 45–60 years. Individual has several enthesopathies of the ulnae and femora. Moderate osteoarthritis affects the knees with mild changes in the hip.



Infant aged 0-.25 years.



Burial 375

Female aged 16–18 years. Periostitis of the lower limbs is evident. Enthesopathies of the gluteal attachments on the femora and muscle attachments with significant hypertrophies are present. Mild to severe osteoarthritis is present throughout the skeleton.



Burial 376

Male aged 45–65 years. Individual has lower-limb periostitis and numerous enthesopathies and muscle attachments with significant hypertrophies. Mild to severe osteoarthritis affects many axial and appendicular joints. Healed cribra orbitalia and porotic hyperostosis indicative of nutritional stress can be observed.



Female aged 32.6–57.8 years. Individual has numerous enthesopathies at muscle attachments on the preserved remains.



Burial 378

Empty shaft. (No photograph.)

Burial 379

Male aged 30–40 years. Evidence of lower-limb periostitis, saber shins, and possible treponemal disease are present. The skeleton has numerous enthesopathies and muscle attachments with significant hypertrophies. Osteoarthritis affects nearly all axial and appendicular joints. There is fusion of phalanges in both hands. Osteophytosis is present throughout the vertebral column. Healed cribra orbitalia indicative of nutritional stress can be observed.



Male aged 40–60 years. Individual has lower- and upper-limb periostitis. Numerous enthesopathies and muscle attachments with significant hypertrophies can be observed. Mild to moderate osteoarthritis affects nearly all of the appendicular joints. Schmorl's nodes and osteophytosis of the sacrum are present. Healed porotic hyperostosis indicative of nutritional stress can also be observed. There is also evidence of femoral/tibial bowing associated with rickets.

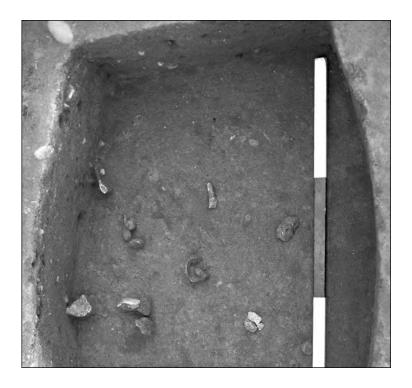




Burial 381

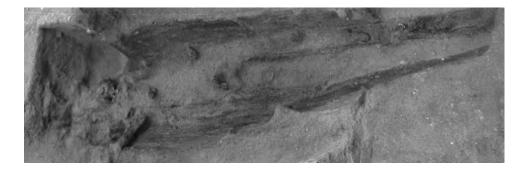
Empty shaft. (No photograph.)

Child aged 4–5 years. Diploic expansion indicative of nutritional stress is present.



Burial 383

Female aged 14–18 years. Individual has cranial and lower- and upper-limb periostitis. Numerous enthesopathies and muscle attachments with significant hypertrophies, particularly in the upper limbs, are present, as are lumbar Schmorl's nodes. Hypoplasia indicators of childhood stress are also present.



Burial 384

Female aged 25–45 years. Periostitis of the lower and upper limbs is present. Significant muscle attachments with hypertrophies are found on the femora and occipital. Also present is evidence of cervical osteophytosis. Sr isotope analysis suggests birth in the Americas/New York.



VOLUME 1. THE SKELETAL BIOLOGY OF THE NEW YORK AFRICAN BURIAL GROUND
PART 2. BURIAL DESCRIPTIONS

Female aged 40–60 years. Individual has periostitis of the lower limbs. Numerous enthesopathies and muscle attachments with significant hypertrophies are present. Mild to severe osteoarthritis affects nearly all axial and appendicular joints. Schmorl's nodes, spondylolysis, and osteophytosis are present. Healed porotic hyperostosis indicative of nutritional stress can also be observed. There is also evidence of femoral/tibial bowing associated with rickets.



Burial 386

Infant aged 0-.30 years.



Burial 387

Male aged 34-44 years.



Female aged 27–57 years. Lower- and upper-limb periostitis is evident. Numerous enthesopathies and significant muscle-attachment hypertrophies are present. Mild to moderate osteoarthritis affects many of the appendicular joints and the temporomandibular joint. Healed porotic hyperostosis and diploic expansion indicative of nutritional stress can be observed.



Burial 389

Female of indeterminate age. Hypoplastic indicators of childhood stress are present.



Male aged 25–35 years. There is evidence of lower- and upperlimb periostitis. Observable are femoral enthesopathies and significant muscle-attachment hypertrophies on the femora and humeri. Mild osteoarthritis affects the hip and knee.

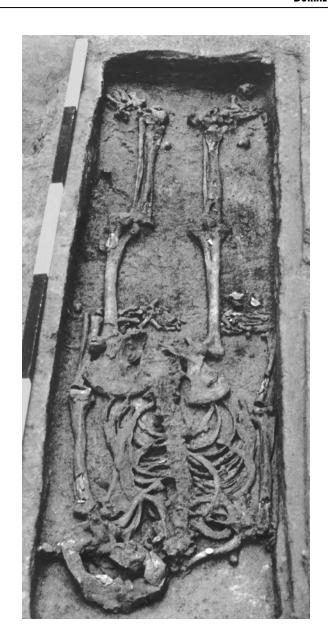


Burial 391

Male aged 16.5–19.5 years.



Burial 392Male aged 42.5–52.5 years.



Burial 393Infant aged -0-.17 years.



Burial 394Adult 16–25 years.



Male aged 43–53 years. Individual has periostitis of the lower limbs, numerous enthesopathies, and significant muscle-attachment hypertrophies. Mild to severe osteoarthritis affects many of the appendicular joints.



Burial 396

Subadult aged 6.5–8.5 years. Cranial and lower- and upper-limb periostitis is observable.



Female aged 30–40 years. Individual has lower-limb periostitis. Individual has enthesopathies of the tibiae and several significant muscle-attachment hypertrophies throughout the skeleton. Mild osteoarthritis affects the vertebrae and upper limbs with lumbar Schmorl's nodes.



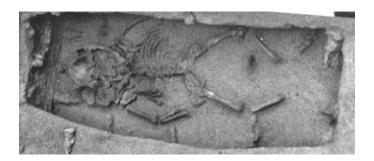
Burial 398

Adult aged 25–35 years. Diploic expansion and healed porotic hyperostosis indicative of nutritional stress can be observed.

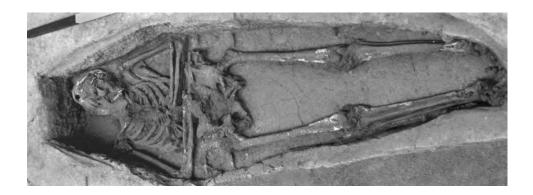


Burial 399

Infant aged 0-.30 years.



Male aged 25–34.9 years. The individual has several enthesopathies and significant muscle-attachment hypertrophies. Mild osteoarthritis affects the foot, ankle and shoulder. Diploic expansion indicative of nutritional stress can be observed.



Burial 401

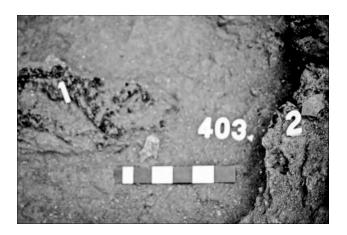
Age and sex indeterminate.



Burial 402Age and sex indeterminate.



Male aged 39–65 years. Individual has mild osteoarthritis, which affects occipital condyles and temporomandibular joints. Healed porotic hyperostosis indicative of nutritional stress can be observed.



Burial 404

Female of indeterminate age. Periostitis of the lower limbs is evident.



Child aged 6–10 years. Linea aspera and gluteal and brachialis attachments are well developed. Trace ESA clustering not clearly suggestive of natality. High Pb concentration suggests birth in the Americas/New York.



Burial 406

Infant aged 0–4.1 years. Diploic expansion indicative of nutritional stress can be observed.



Burial 407

Age and sex indeterminate.



Male of indeterminate age. Femora have enthesopathies, muscle-attachment hypertrophy, and mild osteoarthritic changes at the distal articular surface. (No photograph.)

Burial 409

Age and sex indeterminate. (No photograph.)

Burial 410

Female of indeterminate age. Periostitis of the lower limbs is evident.



Burial 411

Empty shaft. (No photograph.)

Burial 412

Perinatal infant.

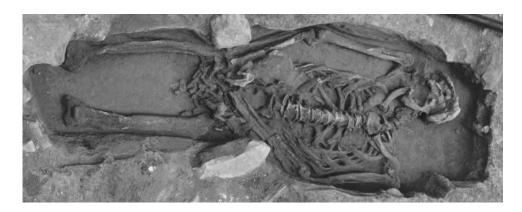


Burial 413

Female aged 50–70 years. There is evidence of osteomyelitis and lower- and upper-limb periostitis. The skeleton has numerous enthesopathies and significant muscle-attachment hypertrophies. Mild to severe osteoarthritis affects many of the appendicular joints. Osteophytosis and myositis ossificans of the ribs are present. Diploic expansion indicative of nutritional stress can be observed.



Male aged 39–59 years. Individual has enthesopathies and significant muscle-attachment hypertrophies on the humeri and ulnae. Moderate to severe osteoarthritis affects the upper-limb joints, knee and vertebral joints. There is evidence of vertebral osteophytosis, and both sacroiliac joints are ankylosed.



Burial 415

Male aged 35–55 years. Individual has numerous enthesopathies and muscle attachments with significant hypertrophies. Mild to moderate osteoarthritis affects the knee and elbow. Cervical osteophytes and Schmorl's nodes are present. There is also evidence of femoral/tibial bowing associated with rickets.



Burial 416

Age and sex indeterminate.



Child/adolescent aged 9.5–14.5 years.



Burial 418

Male aged 30–55 years. Periostitis of the lower and upper limbs, saber shins, and possible treponemal disease are evident. Several enthesopathies and significant muscle-attachment hypertrophies are present. Mild to moderate osteoarthritis affects the vertebrae, ankle, foot, and hand; osteophytosis is also present. Healed porotic hyperostosis indicative of nutritional stress can be observed.



Burial 419

Male aged 48–62 years. There is evidence of periostitis of the lower limbs. The individual has several enthesopathies and significant muscle-attachment hypertrophies. Mild to moderate osteoarthritis affects axial and appendicular joints. Osteophytosis is present throughout the vertebral column. Diploic expansion indicative of nutritional stress can also be observed. There is also evidence of femoral/tibial bowing associated with rickets.



Burial 420, 420.1, 420.2

Separate individuals are not identifiable from the photograph.

Male aged 35–45 years. Individual has numerous enthesopathies and significant muscle-attachment hypertrophies. Mild to moderate osteoarthritis affects several axial and appendicular joints. Cervical and thoracic osteophytosis is present.

Subadult of undetermined age.

Adult of indeterminate age and sex.



Burial 421Empty shaft.



Burial 422 Empty shaft.



Burial 423

Empty shaft. (No photograph.)

Burial 424

Adult of indeterminate sex and age.

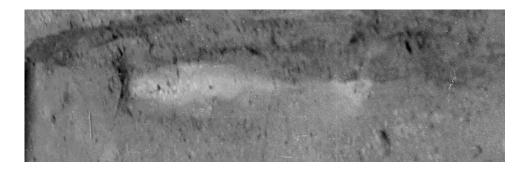


Burial 425

Remained in situ. Probable female over 30 years of age, based on field assessment.



Empty shaft.



Burial 427

Male aged 16–20 years. Evidence of lower- and upper-limb periostitis is observable. The individual has a moderate number of enthesopathies and significant muscle-attachment hypertrophies.



Burial 428

Female aged 40–70 years. Individual has several enthesopathies and significant muscle-attachment hypertrophies on the humeri. Mild to moderate osteoarthritis affects the shoulders, cervical vertebrae, and temporomandibular joints. Cervical osteophytosis is also present.



Age and sex indeterminate.



Burial 430

Empty shaft. (No photograph.)

Burial 431

Adult of indeterminate age and sex. Periostitis of the lower limbs is evident.



Burial 432

Adult of indeterminate age and sex.



Adult of indeterminate age and sex. (No photograph.)

Burial 434

Age and sex indeterminate.



Burial 435

Age and sex indeterminate.



Burial 436

Age and sex indeterminate.



Note: Hypoplasia and hypocalcification data based on sample of 99 individuals.

THE NEW YORK AFRICAN BURIAL GROUND

Appendix A

RESEARCH DESIGN SUBCOMMITTEE STATEMENT AND ABG PHYSICAL ANTHROPOLOGICAL PEER REVIEW PANEL REPORT

RESEARCH DESIGN SUBCOMMITTEE

Members: Charlene Dwinn-Vaughn, Dr. Jerome Handler, Joan Maynard, Robert McDonald, Noel Pointer

STATEMENT:

"The African Burial Ground is of unparalleled significance to America's heritage. The investigation of this site involves the excavation and study of 390 ancestral remains, primarily of Africans who died while in bondage during the eighteenth century. It is one of the most important archeological sites in this country today in that it is the earliest large skeletal population ever to be examined through careful scientific excavation. The ancestral remains that have been excavated and those remaining in the ground are also of great spiritual and inspirational significance to the African American community. (Note: throughout this document the term "African American" is used in reference to post-colonial communities of African descent. Historic communities are referred to as "African", "Irish", etc., as appropriate in reference to both first generation and eighteenth-century communities prior to the nation's establishment.

Due to the circumstances that have brought about their presence, these material remains of African ancestors present themselves during a time of social and emotional strife when inspirational uplift is most needed in the African-American community; during a time when evidence of the significance of racism in America needs desperately to be brought to bear on the minds of Euro-Americans; and during a time when there is a thirst for knowledge about African heritage that has propelled heated debates about in adequacies of American education. These African ancestral remains have presented both a challenge and an opportunity to simultaneously address these issues.

This Research Design also recognizes the necessity of ongoing consultation with religious leaders who will work with scientists and others to see to the sacred aspects of this important project. Periodic religious ceremonies are anticipated throughout the project. Ultimately, an appropriately dignified reburial should take place at a site designated by the descendant community and the city of New York. In addition, plans for a memorial and world-class museum should be realized. The wealth of information that these african ancestors provide deserves nothing less as a platform from which through science, they may speak to us about the place that they came from, the physical evidence of their struggles in this "New World," and the culture they clung to and created here. It is fervently hoped that the implementation of this Research Design will bring this important spiritual, cultural, and scientific resource into the prominence that it deserves.

Research Design SubCommittee June 14, 1993

African Burial Ground Committee Meeting May 24, 1993 Proposed Resolution.

The Subcommittee on Research Design recommends as a motion to the Steering Committee the following:

That the Steering Committee accept the Research Design submitted to GSA on April 22, 1993.

That the Steering Committee agree that this is a bona fide scholarly and scientific document which offer a professionally competent plan for the study and analysis of the skeletal remains and related archeological and historical issues.

The Steering Committee has confidence in the professional abilities of Dr. Blakely, as Director of the project will have full authority to resolve issues related to the scientific methodologies, analytical procedures, and similar issues related to the overall research design.

The resolution was accepted.



General Services Administration Public Buildings Service Washington, DC 20405

FOLEY SQUARE AFRICAN BURIAL GROUND PHYSICAL ANTHROPOLOGICAL PEER REVIEW PANEL REPORT

I. STATEMENT OF PURPOSE:

The purpose of this panel was to evaluate the "Scope of Work for the Cleaning, Consolidation, and Stabilization of the Human Remains from the African Burial Ground, New York City." The panel met for the express purpose of collecting data and to receive briefings from the projects Scientific Director, the archaeological consultants, and GSA managers. The panel visited the present storage facility at Lehman College to view the condition of the human skeletal remains and were briefed on the proposed conservation protocol.

II. RESEARCH OBJECTIVES:

Based on these briefings and our review of all relevant documentation we identified the following community established research objectives:

- 1. To gather biocultural data to better understand the culture, history, living conditions and circumstances of life of colonial Africans in New York and the diaspora.
- 2. To insure that such data are collected in a manner that is responsive to the express concerns of the descendent community, which include:
 - a. All scientific research be conducted at Howard University;
 - b. That the research should be directed by African American professionals, and offer educational opportunities for African American students and others;
 - c. That reinterrment occur at the earliest possible time.

III. CONSERVATION ISSUES:

The scope of work was evaluated within the context of the community established research objectives. This evaluation resulted in the panel identifying conservation and professional ethical issues.



Conservation issues:

- 1. The proposed conservation scope of work statement is inconsistent with the scientific research objectives, as outlined above;
- 2. The proposed conservation would result in an extreme delay in the transfer of the human skeletal remains to Howard University.
- 3. The proposed conservation procedures would result in an unconscionable delay in the reinterrment of the human remains;

Professional ethical issues:

- 1. We agree with the scope of work that the highest possible professional and ethical standards should be maintained in transportation and subsequent analysis of the human remains;
- 2. We have reviewed the "Bylaws of the American Institute for Conservation of Historic and Artistic Works, Inc." which is cited in the scope, as the standard that should be adhered to for the preparation of the human skeletal remains for transfer to Howard University;
- 3. These bylaws establish measures that are clearly inappropriate to the preparation of human remains for analysis prior to reinterrment; they address the conservation of historic and artistic objects;
- 4. The preparation of human remains for physical anthropological analysis must be informed by a cognizance of significant anatomical features and a knowledge of relevant research questions; this knowledge is only possessed by a physical anthropologist with training and research experience in biocultural studies;
- 5. The preparation of the human remains for the physical anthropological analysis should be conducted in compliance with the standard physical anthropological practices and the ethical principles of the American Anthropological Association;
- Decisions to be made concerning the steps for the preparation and transport
 of human remains must be made in a manner consistent with the
 maximization of physical anthropological data retrieval;

IV: SUMMARY OF CONSIDERATIONS:

Based on these considerations, it is the view of the panel, which includes physical anthropologists, with considerable practical experience in the transportation of

The panel, which includes an historical archaeologist, further concurs that the project's principal archaeological investigator, has considerable experience with burial ground excavations and has been and could continue to be instrumental to this process of documenting and excavating the pedastalled human skeletal material.

V. RECOMMENDATIONS:

In view of foregoing, the entire panel strongly recommends the African Burial Ground human skeletal remains be appropriately packed and shipped to Howard University within 60 days.

We wholeheartedly support the African American communities' desire that the scientific research be conducted at Howard University. Howard University is the only American university that has a large, well documented African American osteological collection and a nationally recognized faculty with expertise in the interpretation of African American history and culture.

Finally, the panel recommends that all decisions concerning this transfer should be made by the physical anthropologist, Dr. Michael Blakey, the Project Scientific Director. This will greatly facilitate the timely analysis and reinterrment of this extraordinarily important human skeletal population.

Dr. Phillip Walker

Department of Anthropology

University of California Santa Barbara

Dr. Ted Rathbun

Anthropology Department University of South Carolina Dr. Carrel Cowan-Ricks Historical Archeologist Clemson University

Dr. Clark Larsen
Department of Sociology and
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Purdue University

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Department of Sociology and
Anthropology
Purdue University

Dr. Carrel Cowan-Ricks Historical Archeologist Clemson University

The panel, which includes an historical archaeologist, further concurs that the project's principal archaeological investigator, has considerable experience with burial ground excavations and has been and could continue to be instrumental to this process of documenting and excavating the pedastalled human skeletal material.

V. RECOMMENDATIONS:

In view of foregoing, the entire panel strongly recommends the African Burial Ground human skeletal remains be appropriately packed and shipped to Howard University within 60 days.

We wholeheartedly support the African American communities' desire that the scientific research be conducted at Howard University. Howard University is the only American university that has a large, well documented African American osteological collection and a nationally recognized faculty with expertise in the interpretation of African American history and culture.

Finally, the panel recommends that all decisions concerning this transfer should be made by the physical anthropologist, Dr. Michael Blakey, the Project Scientific Director. This will greatly facilitate the timely analysis and reinterrment of this extraordinarily important human skeletal population.

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University of California Santa Barbara

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Appendix B

NEW YORK AFRICAN BURIAL GROUND PROJECT SKELETAL ANALYSIS FORMS

		FILE CONTENTS:	Burial# /01
			Catalog# 843
PRESENT	MISSING DATA		
/	1	Field Photograph	
V	2	Field Assessment	
	3	Burial Form	
	4	Provenience Sheet	
	5	Field Sketch	
~	6	Packing Inventory	
V	7	Packing Inventory Photos	
~	8	Condition Report	
-	9	Condition Report Photos	
-	10	Skeletal Inventory	
/	- 11	Anthropometric Record (adult)	
N/A	12	Epiphyseal Closure (subadult)	
NIA	13	Immature Measurement (subadult)	
	14	Dental Inventory	
/	15	Dental Measurement (2 for mixed den	atition)
/	16	Dental Morphology	
/	17	Dental Pathology (3 forms)	
/	18	Age Determination	
V	19	Sex Determination	
V	. 20	Pathological Assessment	
/	21	Artifact Location Map	
	22	Feature Sketches	
V	23	Photographic Record *	
~	24	Additional Forms (listed below)	
	Path	ology lesion Homuneu in Com	eu)
	-00	ung hist	
	age	assessment by OT	
	DNA	specimen information	
	Nistal	ou sample information	
COMMENTS:			
* (congrete but in	eeds to be transcribed to An Record For	m
AL C	are bread are		

BER8	ERT H. LEHMAN COLLEGE
MFAT Hetropolitan Forensic Anthropology Team at Lehman College	" LEHMEN TOLLEGE
netropolitan Forensic Anthropology Team	IV/FD
Field Notes	p. 1 of
Broadway-Foley Square Black Cemetery Site	
'92 OCT 8	AM 9:24
IN SITU SKELETAL INSPECTIONAL ANALYSIS	
Burial #: 0	
Catalogue 4. 253	DATE: 18 De. 199
Block #: /st	DRIB. /Apre. //
ASSESSOR/S: A Kess L. Eisenberg 6 Hoss	The state of
PYCAVATORIS. 1 A. B. L. S. MIE	
COMPLICION OF REMAINS:	O AT WAS FEET UP AG
Excellent preservation, buriet fully articulated. Fully extended, HOA	A MONE THE PHANE
DNO OF COTFIN - BONES COLLAPSED VETETICALLY, HANDS WITH EXTENDE	PARALET TO FEMURS
LEFT FELL IN BUTWARM TOT. OUTSIDE OF FAMURS - HAND FINGURAL ACTICALATED - FORMATTI TO SIDE	- SHEO LD PIN STAIN - COR.
SKULL STILL INFILIGHT & FRONTAL IS. DID MOT FALL TO SIDE	S STATIONA
CONDITION OF REMAINS: Excelled preservation, buried fully articulated. Fully satisfied Head only of cotting bones collaboral vertically. Hands worke extended LEFT FELL IN BETWEEN RT. OUTSIDE OF FAMURS - MAN FINGER SKULL STILL INFO ARTICULATED FRONTAL IS. DID NOT FALL TO SIDE STERRIUM PROSECUL DUT FALLON TO LOFT. RT. CLAVICUS PATELIAE SLIPPED OFF TO LEFT SOME DISTURBANCE, BU POST MORTEM DAMAGE TO SEVERAL RIB STERRS END.	MINOR. MCKOSS TY
PATELLAE SLIPPED OFF TO LEFT SOME DISTURBANCE, BI	MA LINIOIC.
	Cirtus of Pi.
LONG. CRACK IN SACRUM.	
HUMAN CRANIAL FRAG. FURETHEN TO THIS INDIVID. AD RT. TICKA. A BONG BUTTONS - ONE MIDSHAFT OTHER DI	JACGHT TO PROX. 640
RT. TIEVA . 2 BONG BUTTONS - ONE MIDSHAFT OTHER DI	ISTAL BYO OF RE. FEMIL
ENIDIA TICHE ELLIN COECIN - HEAVY SI FEET ACAING EN	105, SOME SHAUGGING
SHOULDERS . RT HUMBRUS PROX. TITED UP AGAINST COFFIN W	3,4,60
10	Present (/)
- CALCULATION .	Bight toft Borid
POST-MORT DAMAGE TO LOTT ORBIT	n v v
TI SMALL COULDS	12 /
TISTURE CHARGE LC BRIXEN	
CARIES (?) ON LE : FICCETT	c
PULLED STOFFIEE . DI. MICTIMA	Pl V
PULLED STOFFIEE . DI. MICTIMA	P1 V
BUCCAL SURFACE LPI: MISSING . I	PI V V
LPZ: EXTREME OBLIQUE MEAR	P1
BUCCAL SURFACE LPI: MISSING . I	PI V V
LPZ: EXTREME OBLIQUE MEAR	P1
LPZ: EXTREME OBLIQUE MEAR	P1
LPZ: EXTREME OBLIQUE MEAR	P1
LAS HOL RISING BURNE MEAK THE MISSING BURNE MEAK THE MISSING BURNE MEAK THE MISSING IN THE ME	P1
LPZ: PATIZEME OBLIQUE WEAR LMI MISSING. P-M LM3 NOT VISIBLE Present Condition	P1
Present Condition (1) / EXCELLENG	P1
Present Condition Present (1) Present (2) Present (2) Present (3) Present (4) Present (5) Present (5) Present (7) Present (7)	P1
Present Condition Present (1) Present (2) Present (2) Present (3) Present (4) Present (5) Present (5) Present (7) Present (7)	P1
Present Condition Mandible: Mar Missing Mandible:	P1
Present Condition Present (1) Present (2) Present (2) Present (3) Present (4) Present (5) Present (5) Present (7) Present (7)	P1
Present Condition Mandible: Mar Missing Mandible:	P1
Present Condition Mandible: Mar Missing Mandible:	P1

By: LE & GH In Situ Skele	(initial: etal Assess	s) sments				Burial #: 101 p. 2 of 4
Vertebrae: Cervical:	OT EXPO	3eO				
Thoracic:						-
Lumbar: ALL						
Sacrum: AL	L FIVE		T. PRACTURE	LAT, TO MIDLING	LOWER	CRUSHOO P-M
Coccys: PZ	ESENT (3)		-		10000
Sternus: pres	- THE	excerce	תר כסתסודוטא	XIPHOID PROCESS	15	PRESUNT,
Ribs: ALL TW	ALVE I	BUTH SIO	ES DISTAL	EMOS DAMAGED	POST M	XETEM
Clavicle	Present (/ Right_ Left		Condit EXCUSUSMT	NO DAMAGE		
Scapulae	Right	11	lr.			
	Left	IV	(1			
innominates	Right_	1	4			
	Left	1./	u	RAMUS DAMAGEO, P	OST MORE	TEM & ISCHIUM PR
		-				
oper Limb:						
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	Left.	1	,ii			
Ina	Right	1/	11			
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adius	Right	IV	in .			
	Left	V	ii			
and: Carpa		PAREMTU	Y ALL PRESEN	T HOT VISIBLE	5	
Metacarpa		и	* *	и и		
Phallange		14	и и	n 11		
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ibia	Right	V	EXCELLENT			
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oot: Tarsa		PPARENT		THE RESERVE TO SHARE THE PARTY OF THE PARTY.	IBLE	
Metatarsal		r	- "	11	v	
AGE SESTEES !						

MFAT Field Notes

By: (/ c/f (initials)

In Situ Skeletal Assessments

Burial #: /01 p. 3 of 4

SITU MEASUREMENTS:	SIDE	DIMENSION	on board
Maximum Lengths:			- I
Humerus:	L 1	365	_ 4 36 Z
	R	374	R 375
Radius:	L	270	L 271
	R	HOT ACCUSSIO	
Inominate/Ilium:		ISCHIUM BROKE	EM_
	R	214	E STATE OF THE STA
Pewer:	L	490	Femus L. 506
	R	480	Femur R497
Tibia:	L	431	Tibia R 434
	R	431	_ Tibia L 437
Pemoral Circumference:		98	_ FEMURAL HOAD DIA. L 5
(@ mid-shaft)	_	_	_ R 5
Innominate/Ilium Width:			The same of the sa

SEX ASSESSMENTS

Shall: MASTOLDS DIFFICULT TO SEE GLUEN SKULL POSITION - APPEARE MEDIUM TO LARGE. SUPER ORBITAL MARGIN SHARP W. SOME ROUNDING. SHORLY RAISED AREA OVER GLABELLA. BACK OF SKULL NOT VISIBLE.

MANDIGLE SYMPHYSEAL HETGHT IS GREAT AS WLOTH OF ASCENDING PRAMAS.

SKULL APPEARS "SMALLISH" COMPARED TO POST-CRAMINE SKELETON

Imades: SCIATIC MOTCH APPEARS MARROW, I SHAPED"
HO PRE-AURICULAR SULLIS APPAREMET
VENTTRAL ARC APPAREMITY MARROW

SECTUS: MIDDLE WIDER THAN ENTHER OF THE ALAE

FEMUR LENOTHS 480 \$ 490 FEMURAL CIR. 98 \$ HEAD DIA. 50

Other: GENERALLY LG. POST-CRAMIAL SKELETON

Tentative Conclusion: MALE

NFAT Field Botes By: 브로/스타 (initials) In Situ Skeletal Assessments Burial 1: 10! p. 4 of 4

RACE ASSESSMENTS

Skull:

SQUARE ORBITS

WIDEST POINT OF SKULL AT BACK

MASAL MODURATELY WIDE BUT AROSA AROUND MASION IS BROAD

MODERATE TO PROHOLINGED PROGNATHISM!

Tentative Conclusion: Busck

ACE ASSESSMENTS

Teeth: M3 5 FRUIPTED OCCLUSAL SURPACES NOT VISIBLE

Vertebral Lipping: NO APPAREMENT UPPING

Other: ALL EPIPHYSES FUSED, CURONAL SUTURE LARGELY PUSED ECTO CRAMIAL

TEMPANUE CONCLUSION: ADULT : 30-35 ?

PATROLOGIES/ANOMALIES

- TRAUMA (?) P-M BROAK? RIGHT SIDE OF MANDIBLE INFERDOR

P2.

- BILATERIAL PRESSURCE OF OS ACROMIALE - ACTIVITY ASLATED?

- BILATERAL ENLARGEMENT OF AMERICAL MARGINS OF TIBIAE.

HEW BONE APPOSITION IS WELL CONSOLIDATED WI KNOWSKYING

CONTICAL BONE. (METABOLIC? INFECTIOUS?) FIBULAE LOOK

CLEAN.

ACCOUNT FOR MINOR DISTURBANCES.

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TOTAL NUMBER OF	PIECES IN	CONTAI	NER: _	6	
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African Burial Ground Packing Inventory Burial # /0/ CRANIAL MATERIAL R Bone Single Bones Dentition __ Occipital __ Sphenoid __ Ethmoid Mandible Maxilla Mandible Frontal L R L R Parietal I1 I2 Temporal Vomer
Zygomatic Hyoid
Lacrimal C P1 I.N.C. P2 / cranium Nasal MI Maxilla M2 Palatine M3 Supernumerary Malleus Incus Dentition Stapes APPENDICULAR POSTCRANIAL

L R Bone L R Bone

V Clavicle Ilium

Scapula Ischis

V Humerus Pubis

V Radius V Femur

V Ulna V Patel AXIAL POSTCRANIAL Number Element __ Ilium Cervical Vertebrae _ _ Ischium Thoracic Vertebra Lumbar Vertebrae V V Femur Patella Sacrum Соссух V Tibia Sternum Ribs ______Fibula _____Innominate General Thoracic Extremities Number Element Number Element Carpals Tarsals Metacarpals Metatarsals Carpal Phalanges Tarsal Phalanges Feet LR Hands COMMENTS

10.202-000-4030

SUCTABBIE. DEFT.



Condition Report

	Condi	tion Re	port	
Prepared By: 0	nu long	Access	ion #: _	101.1
Date:C	1/20/9	3		
Burial #: B	-101			
Catalogue #:		Contai	ner #: _	1 OF 1
Piece Count:	of			
Pedestalled: Y	/ (N)	Soil Type: _		(E)arth (C)lay/Silt (S)and/Gravel
Biologically Activ Bone Soft Tissu Cultural Material	e: Y / N s: Y / N e: Y / N s: Y / N			(S)ana/draver
Photo Nos.:				
Video Tape #:		ounter Start:		
		Counter Stop:		_
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AFRICAN BURIAL GROUND PROJECT BIOLOGICAL ANTHROPOLOGY LABORATORY HOWARD UNIVERSITY

INVENTORY FORM FOR COMPLETE REMAINS

umber NYA8	1/01		Observe	r TEG	
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+ 000	9 9				
****	****			****	*****
Left	Right				
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2	Sternum:	Manubr ium	1	Body 1
Vertebrae (individual)				
Centrum	Neural A	arch			
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					NYABG/
	Vertebra (in	ndividual)			
	Left	Right			
	Centrum	Neural Ar	ch		
T7 T8 T9 T10 T11 T12 L1 L2 L3 L4 L5					210
Sacrum	2_				
4	Ribs				
	Left	Right			
1st 2nd 3rd 4th	1	1			
5th	1	-1-			
6th 7th 8th 9th	1	1 2	19		
10th 11th 12th	1.	3			
Os Coxae Left Right	Ilium	Ischium	Pubis	Acetabulum	Auricu

	Proximal		Diaphysis				
	Epiphysis	Proximal Third	Middle Third	Distal Third	7	Distal Epiphysis	
Humèrus Left Right	1	1	<u></u>	1		1	
Radius Left Right	1	1	1	1		<u>+</u>	
Ulna Left Right	<u>+</u>		1	1		1	
Femur Left Right	1	1	1	1		1	
libia Left Right	1	<u></u>					
Fibula Left Right	15	2	1	1	N	1	
Patella	Left Right	Right Unsided	Foot Talus Calcaneus # Tarsals # Metatarsa #Phalanges		Right 1 5 5 5 14	Unsided)	sumo

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	the second				
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NVABC B-101 Cat# 843.

Right Foot - 2 Sesamoid Dones present

NYABG Buril 101/Cat 843

- Note on 7, 8,12 theracic
Vertebrae.

8 +-vert - superior surface
evidence of achmonles
Node

7,8,12 - twent - inferior
surface evidence of
Schmonles node
3chmonles node
3chmonlis

F

ANTHROPOMETRIC RECORD

Burial number : corder: KS 35214.00

						Cranial M	easurements (Pages 53-62)						
									LEF	-		RIGHT	г
Maximum Length (g-op)	189.50	186.00	187.75				[13.] Nasal Height (n-ns)	53.33	53.94	53.64			
Maximum Breadth (eu-eu)	146.50	145.00	145.75				[14.] Nasal Breadth (al-al)	25.11	24.56	24.84			
Bizygomatic Breadth (zy-zy)	133.50	133.00	133.25				[15.] Orbital Breadth (al-al)	43.98	45.26	44.62	43.81	43.71	43.76
Basion-Bregma (ba-b)	136.00	136.00	136.00				[16.] Orbital Height	40.13	40.08	40.11	40.16	41.70	40.93
Cranial Base Length (ba-n)	103.00	102.00	102.50				[17.] Biorbital Br. (ec-ec)	102.76	106.00	104.38			
Basion-Prosthion L. (ba-pr)	110.00	106.00	108.00				[18.] Interorbital Br. (mf-mf)	23.20	22.99	23.10			
Max-Alveolar br. (ecm-ecm)	67.00	69.00	68.00				[19.] Frontal Chord (n-b)	110.86	113.00	111.93			
Max-Alveolar I. (pr-alv)	64.00	63.00	63.50				[20.] Parletal Chord (b-l)	123.27	124,00	123.64			
Biauricular Breadth	120.30	119.00	119.65				[21.] Occipital Chord (I-o)	102.62	102.00	102.31			
Upper Facial Hgt. (n-pr)	70.72	69.72	70.22				[22.] Foramen Magnum (ba-o)	35.61	35.05	35.33			
Min. Frontal Br. (ft-ft)	103.64	103.00	103.32				[23.] Foramen Magnum br	30.76	30.96	30.86			
Upper Facial Br. (fmt-fmt)	109.73	111.29					[24.] Mastoid Length	33.26	33.19	33.23	32.66	32.77	32.72
opper racial or. (min-min)	100.70	111.25			FAOUD	- MENTO		00.20					
			MANDIB	ULAR N	EASURI	EMENIS (Pages 62-65)						
		LEFT				SHT			LEF			RIGHT	
Chin Height (gn-id)			32.83	31.34	32.09		[30.] Min Ramus Breadth	34.27	35.05	34.66	34.28	34.97	34.63
Body Height at Mental for	30.11	30.31	30.21	28.01	28.51	28.26	[31.] Max Ramus Breadth	42.35	42.35	42.35	0.00	0.00	0.0
Body thickness at M. For	11.98	11.70	11.84	12.15	12.43	12.29	[32.] Max Ramus Height	58.82	57.15	57.99	61.46	60.52	60.9
Bigonial Diameter (go-go)			100.90	102.00	101.45		[33] Mand. Length			90.96	90.18	90.57	
Bicondylar Br. (cdl-cdl)			119.76	121.00	120.38		[34.] Mand. Angle			125.00	124.50	124.75	
			POSTCR	ANIAL	MEASUR	REMENTS	(Pgs 62-65)						
/ICLE: Epiph. P/A:		LEF	Т		RIGHT	г	INNOMINATE: Epiph. P /A		LEF	т	F	RIGHT	
num Lenght:	150.00	152.00	151.00	150.00	150.00	150.00	[56.] Height:	0.00	0.00	0.00	219.00	219.90	219.4
Sagittal Diam, at Midsh:	14.80	15.08	14.94	14.97	14.22	14.60	[57.] Iliac Breadth:	161.00	162.00	161.50	152.80	152.80	152.80
Vertical Diam. at Midsh:	11.88	12.13	12.01	11,58	11,81	11.70	[58.] Pubis Length:	0.00	0.00	0.00	76.64	75.31	75.9
							[59.] Ischium Length :	0.00	0.00	0.00	83.40	83.50	83.4
SCAPULA: Epiph. P/A:		LEI	FT		RIGH	AT .	FEMUR: Epiph. P/A:		LE	FT			
Anatomical Breadth (HGT):	166.00	166.00	166.00	0.00	0.00	0.00	[60.] Maximum Length:	501.00	501.50	501.25	495.00	495.50	495.2
Anatomical Length (BR):	110.00	107.00	108.50	112.00	110.00	111.00	[61.] Bicondylar Length	500.00	500.50	500.25	494.00	495.00	494.5
Glenold Cav. Lenght:	44.60	46.00	45.30	41.22	42.00	41.61	[62.] Epicondylar Length:	83.00	84.50	83.75	85.00	84.50	84.7
Olehola Gatt Length.	44.00						[63.] Max. Diam. of Head:	49.47	49.50	49.49	49.78	60.00	49.8
HUMERUS: Epiph. P/A:		LEF	Т		RIGH	-TF	[64.] A/P Subtroch. Diameter:	31,19	31.00	31.10	27.36	28.50	27.9
Maximum Length:	365.00	366.00		372.00	373.00		[65.] Transv. Subtroch. Diam:	35.73	36.27	36.00	38.02	38.50	38.2
Epicondylar Breadth:	67.50	70.00	68.75	68.00	69.00	68.50	[66.] Sagittal Diam. Midsh:	31,53	30.07	30.80	30.34	29.00	29.6
Max. Vert. Diam.of Head:	47.35	47.29	47.32	47.28	46.62	46.95	[67.] Tranvs. Diam. Midsh:	29.64	30.50	30.07	30,19	31.00	30.6
Max. Diam. at Midshaft:	23.35	23.20	23.28	23.93	23.47	23.70	[68.] Circumference at Midsh:	95.60	95.50	95.50	95,00	95.50	95.2
Min. Diam. at Midshaft:		20.64	20.24	19.89	20.73	20.31	[66.] Circumerence at midsii.	90.00	90.00	33.30	50.00	90.00	00.2
Min. Diam. at Midshart:	19.83			19.69	20.73	20.31							
RADIUS: Epiph. P/A:		LE			RIGH.		TIBIA: Epiph. P/A:		LE			RIGHT	
Maximum Lenght:	270.00	269.00	269.50	277.00	278.00	277.50	[69.] Condylo-Malleolar Length:	434.00	436.00	435.00	432.00	431.00	431.5
Sagittal Diam. at Midsh:	13.66	13.95	13.81	13.37	13.55	13.46	[70.] Max. Prox. Epiph. BR:	77.00	80.00	78.50	76.00	77.00	76.5
Transv. Dlam. at Midsh	17.38	18.00	17.69	18.52	18.70	18.61	[71.] Max. Dist. Epiph BR:	56.00	55.00	55.50	53.50	52.47	52.9
							[72.] Max. Dlam.Nutrient For:	40.96	41.10	41.03	42.48	42.17	42.3
ULNA: Epiph. P/A:		LE	FT		RIGH	HT.	[73.] Transv. Dlam. Nutr. For:	27.04	26.53	26.79	27.57	26.49	27.0
Maximum Length	294.00	294.00	294.00	302.50	302.00	302.25	[74.] Circum. At Nutr. For:	110.00	108.00	109.00	115.00	114.00	114.5
Dorso-Volar Diameter	12.61	12.33	12.47	13.86	14,30	14.08	A Carried Street Court & Street Street						
Transverse Diameter	20.40	20.81	20.61	20.29	19,45	19.87	FIBULA: Epiph. P/A:		LE	T		RIGHT	
Physiological Length:	248.00	250.00	249.00	257.00	255.00		[75.] Maximum Length	0.00	0.00	0.00	419.00	420.00	419.5
Min. Circumference:	42.00	42.00	42.00	46.00	44.00	45.00	[76.] Max. Diam. at Midshaft	18.19	18.19	18.19	20.09	20.04	20.0
										-		RIGHT	
ShowUM: No. Segments:							CALCANEUS: Epiph. P/A:		LEI				82.0
Anterior Length	0.00	0.00	0.00				[77.] Maximum Length:	77.00	77.50	77.25	82.00	80.21	
Anterior-Surface BR:	0.00	0.00	0.00				[78.] Middle Breadth:	44.73	46.18	45.46	46.99	46.32	46.6
Max. Breadth (S-1)	0.00	0.00	0.00										

Burial number :	101												
ecorder :	KS	spone											
MIE.		5/29/96											
						Cranial M	easurements (Pages 53-62)						
									LEF	Т		RIGH	Th
Maximum Length (g-op)	189,50	186	187.8				[13.] Nasal Height (n-ns)	53.33	53.94	53.64			
Maximum Breadth (eu-eu)	146.50	145	145.8				[14.] Nasal Breadth (al-al)	25.11	24.56	24.84			
Bizygomatic Breadth (zy-zy)	133,50	133	133.3				[15.] Orbital Breadth (al-al)	43.98	45.26	44.62	43.81	43.71	4
Basion-Bregma (ba-b)	136.00	136	136				[16.] Orbital Height	40.13	40.08	40.11	40.16	41.7	4
Cranial Base Length (ba-n)	103.00	102	102.5				[17.] Biorbital Br. (ec-ec)	102.76	106	104.4			
Basion-Prosthion L. (ba-pr)	110.00	106	108				[18.] Interorbital Br. (mf-mf)	23.2	22.99	23.1			
Max-Alveolar br. (ecm-ecm)	67.00	69 63	68 63.5				[19.] Frontal Chord (n-b)	110.86		111.9 123.6			
8 Max-Alveolar I. (pr-alv) 9 Biauricular Breadth	64.00 120.30	119	119.7				[20.] Parietal Chord (b-l) [21.] Occipital Chord (l-o)	123.27	124	102.3			
O Upper Facial Hgt. (n-pr)	70.72	69.72	70.22				[22.] Foramen Magnum (ba-o)	35.61	35,06	35.33			
1 Min. Frontal Br. (ft-ft)	103.64	103	103.3				[23.] Foramen Magnum br	30.76	30.96	30.86			
2 Upper Facial Br. (fmt-fmt)	109.73	111.29	110.5				[24.] Mastoid Length	33.26		33.23	32.66	32.77	3
2 Opper racial bit (mit-mit)	100.75							33.20	33, 15	00.20	32.00	02.11	
			MANDIBL	JLAR ME	EASUF	REMENTS	(Pages 62-65)						
		LEFT				RIGHT			LEFT			RIGH	IT
5 Chin Height (gn-id)			32.83	31.34	32.1		[30.] Min Ramus Breadth	34.27	35.06	34.66	34.28	34.97	3
Body Height at Mental for	30.11	30.31	30.21	28.01	28.51	28.26	[31.] Max Ramus Breadth	42.35		42.35	0	0	
7 Body thickness at M. For	11.98	11.7	11.84	12.15	12.43	12.29	[32.] Max Ramus Height	58.82	57.15	57.99	61,46	60.52	
8 Bigonial Diameter (go-go)			100.9	102	101		[33] Mand. Length			90.96	90.18	90.6	
Bicondylar Br. (cdl-cdl)			119.76	121	120		[34.] Mand. Angle			125	124.5	125	
		1	POSTCR	ANIAL M	IEASU	REMENTS	S (Pgs 62-65)						17
LAVICLE: Epiph. P/A:		LEFT			RIGI	нт	INNOMINATE: Epiph. P /A		LEF	r	R	IGHT	1
Maximum Lenght:	150.00	152	151	150	150	150	[56.] Height:	0	0	0	219	219.9	1
Sagittal Diam. at Midsh:	14.80	15.08	14.94	14.97	14.22	14.595	[57.] Iliac Breadth:	161	162	161.5	152.8	152.8	1
7 Vertical Diam. at Midsh:	11.88	12.13	12.01	11.58	11.81	11.70	[58.] Pubis Length:	0	0	0	76.64	75.31	1
							[59.] Ischlum Length:	0	0	0	83.4	83.5	8
SCAPULA: Epiph. P/A:		LEFT	_		RIC	SHT	FEMUR: Epiph. P/A:		LEF	Т			
8 Anatomical Breadth (HGT) :	166.00	166	166	0	0	0	[60.] Maximum Length:	501	501.5	501.3	495	495.5	
Anatomical Length (BR):	110.00	107	108.5	112	110	111	[61.] Bicondylar Length	500	500.5	500.3	494	495	
Glenoid Cav. Lenght:	44.60	46	45.3	41.22	42	41.61	[62.] Epicondylar Length:	83	84.5	83.75	85	84.5	8
							[63.] Max. Diam. of Head:	49.47	49.5	49.49	49.78	50	4
HUMERUS: Epiph. P/A:		LEFT			RIC	SHT	[64.] A/P Subtroch, Diameter:	31.19	31	31.1	27.36	28.5	2
Maximum Length:	365.00	366	365.5	372	373	372.5	[65.] Transv. Subtroch. Diam:	35.73	36,27	36	38.02	38.5	3
1 Epicondylar Breadth:	67.50	70	68.75	68	69	68.5	[66.] Sagittal Diam. Midsh:	31.53	30.07	30.8	30.34	29	2
2 Max. Vert. Diam.of Head:	47.35	47.29	47.32	47.28	46.62	46.95	[67.] Tranvs. Diam. Midsh:	29.64	30.5	30.07	30,19	31	3
3 Max. Diam. at Midshaft: 4 Min. Diam. at Midshaft:	23.35 19.83	23.2	23.28	23.93 19.89	23.47	23.7	[68.] Circumference at Midsh:	95.5	95.5	95.5	95	95.5	9
+ Min. Diam. at Midshait.	18.03	20.04	20.24	19.09	20.73	20.51							
RADIUS: Epiph. P/A:		LEF	Т		RIG	HT	TIBIA: Epiph. P/A:		LEF	Т	F	RIGHT	
5 Maximum Lenght:	270.00	269	269.5	277	278	277.5	[69.] Condylo-Malleolar Length:	434	436	435	432	431	
6 Sagittal Diam. at Midsh:	13.66	13.95	13.81	13.37	13.55	13.46	[70.] Max. Prox. Epiph. BR:	77	80	78.5	76	77	7
7 Transv. Diam. at Midsh	17.38	18	17.69	18.52	18.7	18.61	[71.] Max. Dist. Epiph BR:	56	55	55.5	53.5	52.47	
							[72.] Max. Diam.Nutrient For:	40.96	41.1	41.03	42.48	42.17	4
ULNA: Epiph. P/A:		LEF				SHT	[73.] Transv. Diam. Nutr. For:	27.04	26.53	26.79	27.57	26.49	
8 Maximum Length	294.00	294	294	302.5		302.25	[74.] Circum. At Nutr. For:	110	108	109	115	114	
9 Dorso-Volar Diameter	12.61	12.33	12.47	13.86	14.3	14.08				-			
O Transverse Diameter	20.40	20.81	20.61	20.29	19.45	19.87	FIBULA: Epiph. P/A:	-	LEF			RIGHT	20
1 Physiological Length:	248.00	250	249	257	255	256	[75.] Maximum Length	0	0	10 10	419		
'in. Circumference:	42.00	42	42	46	44	45	[76.] Max. Diam. at Midshaft	18.19	18.19	18.19	20.09	20.04	2
SACRUM: No. Segments:							CALCANEUS: Epiph. P/A:		LEF		F	RIGHT	
3 Anterior Length	0.00	0	0				[77.] Maximum Length:	77	77.5	77.25	82	80.21	
4 Anterior-Surface BR:	0.00	0	0				[78.] Middle Breadth:	44.73	46.18	45.46	46.99	46.32	4
5 Max, Breadth (S-1)	0.00	0	0										

ANTHROPOMETRIC RECORD

```
BURIAL NUMBER NYAGG BAJO CAT +1843
                                                           DATE: May 29,1996
        RECORDER:_
                     Kenya Shujaa
                                -----CRANIAL MEASUREMENTS (Pages 53-62)-----
                                                                                           Left Right
        1. MAXIMUM LENGTH (g-op):
                                                          13. NASAL HEIGHT (n-ns):
                                           189.5
                                                       14. NASAL BREADTH (al-al):
                                                                                           53,33
       2. MAXIMUM BREADTH (eu-eu):
                                           1765
                                                                                           11.75
                                                           15. ORBITAL BREADTH (mf-ec):
        3. BIZYGOMATIC BREADTH (zy-zy): 133,5
                                                                                          43,98 43.51
                                                        16. ORBITAL HEIGHT:
        4. BASION-BREGMA (ba-b):
                                           136.0
                                                                                           90,13 40.16
       5. CRANIAL BASE LENGTH (ba-n): 103.0
6. BASION-PROSTHION L. (ba-pr): 110.0
                                                   17. BIORBITAL BR. (ec-ec): 102.74
                                                                                           102,76
       7. MAX.-ALVEOLAR BR. (ecm-ecm): (71.6 19. FRONTAL CHORD (n-b): 8. MAX.-ALVEOLAR L. (pr-a:v): (44.0 20. PARIETAL CHORD (b-1):
                                                                                            110,86
                                                          20. PARIETAL CHORD (b-1):
                                                                                            123,27
        9. BIAURICULAR BREADTH:
                                           120,30
                                                           21. OCCIPITAL CHORD (1-0):
                                                                                            102.62
                                                           22. FORAMEN MAGNUM L. (ba-o): 35.(6)
       10. UPPER FACIAL HGT. (n-pr): 70.72
11. MIN. FRONTAL BR. (ft-ft): 103.64
       11. MIN. FRONTAL BR. (ft-ft): 103.64
12. UPPER FACIAL BR. (fmt-fmt): 109,43
                                                           23. FORAMEN MAGNUM BR:
                                                                                            30,76
                                                           24. MASTOID LENGTH:
                                                                                          33,26 32,66
                                  --- MANDIBULAR MEASUREMENTS (Pages 62-65)-----
                                                                                      Left Right
                                           Left Right
          25. CHIN HEIGHT (gn-id):
25. BODY HEIGHT at MENTAL FOR:
                                                            30. MIN. RAMUS BREADTH: 24.24 34.28
                                               32,83
                                             3011 28,01
                                                           31. MAX. RAMUS BREADTH:
          27. BODY THICKNESS at M. FOR: 11.98 12.1
                                                           32. MAX. RAMUS HEIGHT: 58,82 61.46
          28. BIGONIAL DIAMETER (go-go): 100,90
29. BICONDYLAR BR. (cd1-cd1): ~119.76
                                                            33. MAND. LENGTH:
                                                                                      99.96
                                                            34. MAND. ANGLE:
                                                                                      125
         ------ (Pages 65-79)-------
        CLAVICLE: Epiph. P/A: 35. MAXIMUM LENGTH:
                                         Left Right
                                                        INNOMINATE: Epiph. P/A:
                                                                                       Left Right
         36. SAGITTAL DIAM. at MIDSH: M.YO M.97
                                                         56. HE1GHT:
                                                                                       - 219,0
                                                         57. ILIAC BREADTH:
                                                                                       16/10
                                                                                        - 76.64
- 93.40
         37. VERTICAL DIAM. at MIDSH: 11.58
                                                         58: PUBIS LENGTH:
                                                         59. ISCHIUM LENGTH:
         SCAPULA: Epiph. P/A:
                                          Left Right
         38. ANATOMICAL BREADTH (HGT): 166.0
                                                         FEMUR: Epiph. P/A:
                                                                                       Left Right
         39. ANATOMICAL LENGTH (BR):
GLENOID CAV. LENGTH:
                                                         60. MAXIMUM LENGTH:
                                         110,0 112.0 ·
                                                                                       5010 495,0
                                                         61. BICONDYLAR LENGTH:
                                                                                        200 494.0
         HUMERUS: Epiph. P/A:
                                         Left Right
                                                         62. EPICONDYLAR BREADTH:
                                                                                       83.0
                                                                                              85.0
      40. MAXIMUM LENGTH:
                                                        63. MAX. DIAM. of HEAD:
64. A/P SUBTROCH. DIAMETER:
                                      365,0 272,0
67,5 6810
                                                                                        49.47 49.28
         41. EPICONDYLAR BREADTH:
                                                                                        35.23 38.02
                                                                                                27,36
         42. MAX. VERT. DIAM. of HEAD: 41.25 44.29 65. TRANSV. SUBTROCH. DIAM: 43. MAX. DIAM. at MIDSHAFT: 23.5 23.93 66. SAGITTAL DIAM. MIDSH:
                                                                                      29.19 20.19
29.19
                                                        66. SAGITTAL DIAM. MIDSH:
67. TRANVS. DIAM. MIDSH:
                                                                                              ~30134
                                         19.23 19.89
43.62 49.33
         44. MIN. DIAM. at MIDSHAFT:
                                                         68. CIRCUMFERENCE AT MIDSH:
                                                                                      95,5 95,0
                                      Left Right
         RADIUS: Epiph. P/A:
         45. MAXIMUM LENGTH: 270.0 277.0
46. SAGITTAL DIAM. at MIDSH: 13.66 13.34
                                                         TIBIA: Epiph. P/A:
                                                                                        Left Right
                                                         69. CONDYLO-MALLEOLAR LENGTH: 474.0 432.0
         47. TRANSV. DIAM. at MIDSH: ~ 17.37 18,52 70. MAX. PROX. EPIPH. BR:
                                                                                        77,0 7600
                                                         71. MAX. DIST. EPIPH. BR:
                                                                                        56.0 53,5
                                                         72. MAX. DIAM. NUTRIENT FOR: 40.76 72.41
                                         Left Right
        ULNA: Epiph. P/A:
                                                        73. TRANSV. DIAM. NUTR. FOR: 27104 27.57
       *48. MAXIMUM LENGTH:
                                          294,0 302,5
         49. DORSO-VOLAR DIAMETER:
                                                         74. CIRCUM. AT NUTR. FOR:
                                         12.61 13.76
                                                                                       110.0 113.0
         50. TRANSVERSE DIAMETER:
                                         20,40 20,29
                                                                                        Left Right
                                         248,0 25710
Hais 76,0
                                                         FIBULA: Epiph. P/A:
         51. PHYSIOLOGICAL LENGTH:
                                                        75. MAXIMUM LENGTH:
                                                                                                419.0
        52. MIN. CIRCUMFERENCE:
                                                                                               20.09
                                                         76. MAX. DIAM. at MIDSHAFT:
         SACRUM: No. Segments:
        53. ANTERIOR LENGTH:
                                                         CALCANEUS: Epiph. P/A:
                                                                                         Left Right
                                                         77. MAXIMUM LENGTH:
78. HIDDLE BREADTH:
                                                                                               82,0
        54. ANTERIOR-SURFACE BR:
                                                                                        77,5
         55. MAX. BREADTH (S-1)
                                                                                        44,73 46,99
*46 R. Humarass visibly longer than the left. Both and in very good concentration
 + 45/45 - R. Radius + R. whom me visisly leasen than counterpart
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Theaurements are in mo wales

ANTHROPOMETRIC RECORD

```
BURIAL NUMBER NYABA BUN 101 Cot. 843
                                                                                                                                                                                                                                 DATE:
       RECORDER: MGH - TI
    Left Right
1. MAXIMUM LENGTH (g-op): 186.0
2. MAXIMUM BREADTH (eu-eu): 145.0
3. BIZYGOMATIC BREADTH (zy-zy): 123.0
4. BASION-BREGMA (ba-b): 15. ORBITAL BREADTH (mf-ec): 15. ORBITAL BREADTH (mf-ec): 16. ORBITAL HEIGHT: 17. BIORBITAL BR. (ec-ec): 16. BASION-PROSTHION L. (ba-n): 16. ORBITAL BR. (ec-ec): 17. BIORBITAL BR. (mf-mf): 
                                           ----- MANDIBULAR MEASUREMENTS (Pages 62-65)-----
                                                                                                                                                        Left Right
                                                                                                                                                                                                                                                                                                                                                 Left Right
                                                                                                                                                                                                                                       30. MIN, RAMUS BREADTH: 25.05 34.97
               25. CHIN HEIGHT (gn-id): 3/-34-
25. BODY HEIGHT at MENTAL FOR: 30.2/28.5/
27. BODY THICKNESS at M. FOR: //-70 /2-43
28. BIGONIAL DIAMETER (go-go): /02.0
                                                                                                                                                                                                                             31. MAX. RAMUS BREADTH: 42.35 = fractured.
32. MAX. RAMUS HEIGHT: 52.15 (0.52)
33. MAND. LENGTH: 90.18
                 29. BICONDYLAR BR. (cdl-cdl): /21.0
                                                                                                                                                                                                                                                                                                                                              -124,50
                                                                                                                                                                                                                                     34. MAND. ANGLE:
             -----POSTCRANIAL MEASUREMENTS (Pages 65-79)------
            CLAVICLE: Epiph. P/A:
                                                                                                                                               Left Right INNOMINATE: Epiph. P/A: Left Right
                                                                                                                                                                                                                          56. HEIGHT:
            35. MAXIMUM LENGTH: 152.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.
            35. MAXIMUM LENGTH:
                                                                                                                                                                                                                          56. HEIGHT:
57. ILIAC BREADTH:
                                                                                                                                                                                                                                                                                                                                                             162.0 152.8
                                                                                                                                                                                                                          58. PUBIS LENGTH:
                                                                                                                                                                                                                                                                                                                                                              - 75.31
- 28.50
                                                                                                                                                                                                                      59. ISCHIUM LENGTH:
                                                                                                                                                        Left Right
            SCAPULA: Epiph. P/A:
                                                                                                                                                                                                                        FEMUR: Epiph. P/A:
60. MAXIMUM LENGTH:
61. BICONDYLAR LENGTH:
61. SCIONDYLAR BREADTH:
61. SCIONDYLAR BREADTH:
         38. ANATOMICAL BREADTH (HGT): 166.0 (HG.) FEMUR: Epiph. P/A:
39. ANATOMICAL LENGTH (BR): 107.0 (HG.) 60. MAXIMUM LENGTH:
GLENOID CAV. LENGTH: 0 46.0 (HG.) 61. BICONDYLAR LENGTH
            HUMERUS: Epiph. P/A: Left Right 62. EPICONDYLAR BREADTH:
                                                                                                                                                                                                                         64. A/P SUBTROCH. DIAMETER: 30.0
            40. MAXIMUM LENGTH:
                                                                                                                                       366 37.3 cm 63. MAX. DIAM. of HEAD:
                                                                                                                                                                                                                         63. MAX. DIAM. OT HEAD:
64. A/P SUBTROCH. DIAMETER: 200
65. TRANSV. SUBTROCH. DIAM: 200
66. SAGITTAL DIAM. MIDSH: 200
67. 200
68. SAGITTAL DIAM. MIDSH: 200
69. 200
69. 200
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             41. EPICONDYLAR BREADTH:
            42. MAX. VERT. DIAM. of HEAD: 47.89
            43. MAX. DIAM. at MIDSHAFT: 20.64
                                                                                                                                                                                                                          67. TRANVS. DIAM. MIDSH:
                                                                                                                                                                                                                       67. TRANVS. DIAM. MIDSH: 30.5
            RADIUS:
                                                 Epiph. P/A:
                                                                                                                                                         Left Right
          45. MAXIMUM LENGTH:
46. SAGITTAL DIAM. at MIDSH:
47. TRANSV. DIAM. at MIDSH:
47. TRANSV. DIAM. at MIDSH:
48. MAXIMUM LENGTH:
49. CONDYLO-MALLEOLAR LENGTH:
47. TRANSV. DIAM. at MIDSH:
47. TRANSV. DIAM. at MIDSH:
48. MAXIMUM LENGTH:
49. CONDYLO-MALLEOLAR LENGTH:
47. TRANSV. DIAM. at MIDSH:
47. TRANSV. DIAM. at MIDSH:
48. MAXIMUM LENGTH:
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49. CONDYLO-MALLEOLAR LENGTH:
49. CONDYLO-MALLEOLAR LENGTH:
49. MAXIMUM LENGTH:
49. CONDYLO-MALLEOLAR L
                                                                                                                                                                                                                                                                                                                                                                 Left Right
                                                                                                                                                                                                                         69. CONDYLO-MALLEOLAR LENGTH: 43.5 45.1 &
                                                                                                                                                        Left Right 72. MAX. DIAM. NUTRIENT FOR: 41.12
           ULNA: Epiph. P/A:
                                                                                                                                                      29.4 302.0
12.83 16.30
10.81 19.45
            48. MAXIMUM LENGTH:
                                                                                                                                                                                                                          73. TRANSV. DIAM. NUTR. FOR: 265
            49. DORSO-VOLAR DIAMETER:
                                                                                                                                                                                                                        74. CIRCUM. AT NUTR. FOR:
            50. TRANSVERSE DIAMETER:
                                                                                                                                                   250mm 255mm FIBULA: Epiph. P/A:
            51. PHYSIOLOGICAL LENGTH:
                                                                                                                                                                                                                                                                                                                                                                    Left Right
                                                                                                                                                                                                                           75. MAXIMUM LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                420mm
            52. MIN. CIRCUMFERENCE:
                                                                                                                                                       42.0 44.0
                                                                                                                                                                                                                          76. MAX. DIAM. at MIDSHAFT: 75.19
           SACRUM: No. Segments:
53. ANTERIOR LENGTH:
                                                                                                                                                                                                                          CALCANEUS: Epiph. P/A:
77. MAXIMUM LENGTH:
78. MIDDLE BREADTH:
                                                                                                                                                                                                                                                                                                                                                                 Left Right
            54. ANTERIOR-SURFACE BR:
                                                                                                                                                                                                                                                                                                                                                                  46.18 44.32
            55. MAX. BREADTH (S-1)
                                                                                                                                                                                                                                              * Lateral torsion or want
                                                                                                                                                                                                                                                                 with al frame
```

BURIAL No: RECORDER : DATE :

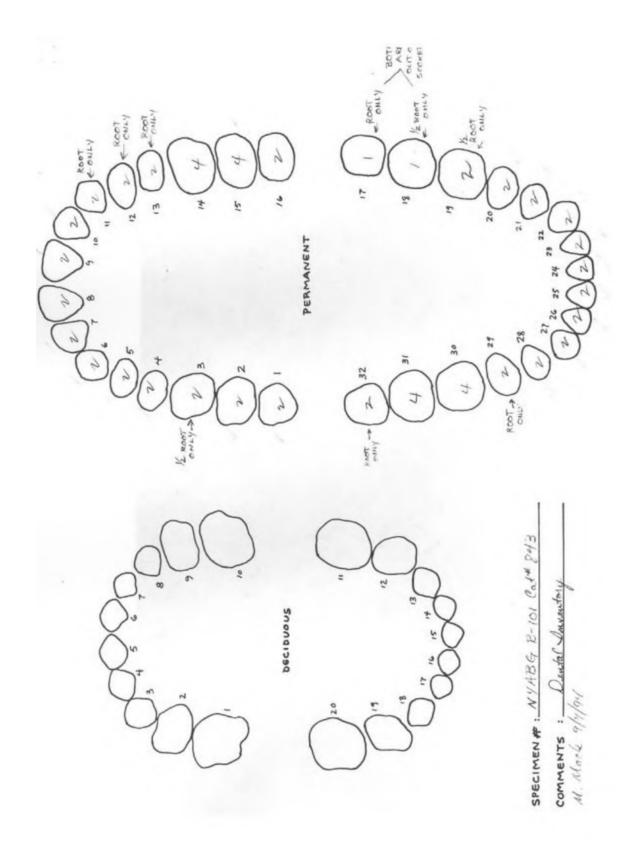
101

IMMATURE MEASUREMENTS

		LEF	Т					RIGHT	Г
. Lesser wing of sphenoid	-								
a. Length				0.00	0.00	0.00			
. Width				0.00	0.00	0.00			
Greater wing of enhancid									
. Greater wing of sphenoid	0.00	0.00	0.00				0.00	0.00	0.
. Length									
. Width	0.00	0.00	0.00				0.00	0.00	0.
. Body of sphenoid									
. Length				0.00	0.00	0.00			
. Width				0.00	0.00	0.00			
. Petrous-mastoid of temporal									
. Length	0.00	0.00	0.00				0.00	0.00	0.
. Width	0.00	0.00	0.00				0.00	0.00	0.
. Basilar occipital									
. Length				0.00	0.00	0.00			
. Width				0.00	0.00	0.00			
Z									
Zygomatic	0.00	0.00	0.00				0.00	0.00	0.
ength								0.00	0.
. Width	0.00	0.00	0.00				0.00	0.00	u.
. Maxilla									
. Length	0.00	0.00	0.00				0.00	0.00	0.
. Height	0.00	0.00	0.00				0.00	0.00	0.
Width	0.00	0.00	0.00				0.00	0.00	0.
. Oblique length	0.00	0.00	0.00				0.00	0.00	0.
Mandible									
. Mandible	0.00	0.00	0.00				0.00	0.00	
Length	0.00	0.00	0.00						0.
. Width	0.00	0.00	0.00				0.00	0.00	0.
. Full length	0.00	0.00	0.00				0.00	0.00	0
. Clavicle									
. Length	0.00	0.00	0.00				0.00	0.00	0.
. Diameter	0.00	0.00	0.00				0.00	0.00	0.
0. Scapula									
	0.00	0.00	0.00				0.00	0.00	0.
. Length							0.00	0.00	0.
. Width	0.00	0.00	0.00						
. Length of spine	0.00	0.00	0.00				0.00	0.00	0.
1. ilium									
. Length	0.00	0.00	0.00				0.00	0.00	0.
Width	0.00	0.00	0.00				0.00	0.00	0.
·									
z. Ischium	0.00	0.00	0.00				0.00	0.00	
. Length	0.00	0.00	0.00				0.00	0.00	0.
o. Width	0.00	0.00	0.00				0.00	0.00	0.

IMMATURE MEASUREMENTS

		LEFT			RIGHT	г
13. Pubis						
a. Length	0.00	0.00	0.00	0.00	0.00	0.00
14. Humerus						
a. Length	0.00	0.00	0.00	0.00	0.00	0.00
b. Width	0.00	0.00	0.00	0.00	0.00	0.00
c. Diameter	0.00	0.00	0.00	0.00	0.00	0.00
15. Ulna						
a. Length	0.00	0.00	0.00	0.00	0.00	0.00
b. Diameter	0.00	0.00	0.00	0.00	0.00	0.00
16. Radius						
a. Length	0.00	0.00	0.00	0.00	0.00	0.00
b. Diameter	0.00	0.00	0.00	0.00	0.00	0.00
17. Femur						
Length	0.00	0.00	0.00	0.00	0.00	0.00
Width	0.00	0.00	0.00	0.00	0.00	0.00
c. Diameter	0.00	0.00	0.00	0.00	0.00	0.00
18. Tibia						
a. Length	0.00	0.00	0.00	0.00	0.00	0.00
b. Diameter	0.00	0.00	0.00	0.00	0.00	0.00
19. Fibula						
a. Length	0.00	0.00	0.00	0.00	0.00	0.00
b. Diameter	0.00	0.00	0.00	0.00	0.00	0.00



DENTAL MEASUREMENT FORM

Fea	Name/N ture/Buria ial/Skeleto	I Numbe	er 8-	101	/	<u> </u>	Obser	ver	M. M.	ack
тос	нто	MEA	SUREM	ENTS		тоотн		MEA	SUREN	MENTS
LEF	T MAX.	MD	BL	CH		RIGHT MAX,		MD	BL	CH
9	11	(18)	762	11.97		1 M ³		(18)	<u>(18)</u>	(18)
10	21	654	6.96	10-18		2 M ²		11.70	12.26	7.89
11	*C	(18)	(18)	(18)		3 M1		(18)	(18)	(48)
12	1p	(18)	(18)	(18)		4 P ²		7.79	1008	2.69
13	2 _P	(18)	(18)	(18)		5 P1		7.81	10.21	8.97
14		(18)	(18)	(18)		6 CX		8.11	9.46	11.04
15		(18)	(18)	(38)		7 12		6.46	6.95	9.94
16	3 _M	1027	12.19	7.41		8 11		*	7.53	11.50
LEF	T MAND.	MD	BL	CH		RIGHT MAND.		MD	BL	CH
17	3 ^M	(15)	(15)	(15)		25 11		5.78	6.09	9.35
18	2 ^M	(18)	(18)	(18)		26 l ₂		593	6.61	286
19	1 M	(18)	(18)	(18)		27 C.		7.65	2.32	11.20
20	2P	7.87	9.69	8.25		28 P1		7.75	9.12	2.95
21	1P	7.23	9.40	8.96		29 P ₂		(18)	(18)	(18)
22	*C	7.72	8.13	11.21		30 M ₁		(15)	(15)	(15)
23	21	6.54	6.74	9.73		31 M ₂		(15)	(15)	(15)
24	11	552	6.07	9.05		32 M ₃		(18)	(18)	(81)

Site Name:	NYABG	
Burial #:	B-101	
Catalog #:	843	

Observer: M Mack Date: 1/5/96

Burial #: B- Catalog #: 8	43			-			Observer: U Mack Date: 1/5/96
	(,		DE	NTAL M	ORPHO	LOGY	
					1		
₩INGD10	1113						# = caries damage prevents (18
Бночешно	1	110		101			
CURVATURE OF LABIAL SURFACE		110		10			-= tooth is absent (15)
DOUBLE SHOVELING	110	110	10	110			11 = rout in alvedus :
INTERRUPTION GROOVE	10	10 0					11 = root in alvedum prevents observation (21)
TUBERCULUM DENTAL ALE	-	110	1,0	10			
CANTINE MESIAL RIDGE	1C 18						
CAN, DIST. ACCESSORY RIDGE	1C 18	C10	10 O	CO			
PM Mes. & Dist. Access. Cusps	*PMIS	1PM 18	PM 10	PMª /			
TRI-CUSPED PREMOLAR	*PMI8	1PM 18	PM10	PMªO			
DISTOSAGITTAL RIDGE	1PM 18		1				
METACONE	1M 3	2M 15	1M 15	M1 18	Mª3.5	M1 18	
Нуросоня	1 M 18	1M-15	1M15	M118	M13.5	M118	
METACONULE	1M-18:	3M-15	1M15	M118	MIO	M1-18	
CARABELLI'S TRAIT	'M /	*M 15	1M15	M1 18	M* /	M3 /	
PARASTYLE	O Mi	M118					
ENAMEL EXTENSIONS	'MO	1M 15	1M-15	2 PMIS	1 PM 18		
	PM10	PM*O	M118	MIO	MIO		
PREMOLAR ROOT NIMBER	1 PMQ1	1PM21	PM 121	PMQI			
UPPER MOLAR ROOT NUMBER	15W.	1M 15	1M 15	MI21	M.21	MISIN	
PEG-SHAPED INCISOR	al /	12 /					
Peg-Shaped Molar	'MO	NO					
Оронтомя	*PM 18	1PM 18	PMIO	PMIO			
1	IPM O	PMO	PM, O	PM, 18			
CONGENITAL ABSENCE .	No	Ne					
LOWER PM CUSP VARIATION	PM 9	PMO	PM ₁ O	PM.18			
ANTERIOR FOVEA	M 18	M, 15					
GROVE PATTERN	M 18	M 18	M 18	M, 15	M, 15	м, 18	
CUS! RUMBER					M, 15		
DEPLECTING WRINKLE		M.15					
DISTAL TRIGONID CREST		M, 15					
PROTOSTYLID	,м 18			M, 15	м, 15	M, 18	
CUEP5					M.15		
Cusp 6	,M18	-			M, 15		
CUSP7	,M 18	1M18	M 18		M, 15		
CANINE ROOT #	101	C, 1					
'OME'S ROOT		PM 21					
LOVER ROOT #	M 18	M 18	м,15	M, 15			
TORSOMOLAR ANGLE	,M 18	-					

Dental Wear Score NYABG Specimen # 8-101 C. + 843 Observer & Date U. Mock 1/9/98 Scores of I'1 - PM', described in Smith B. Holly AJPA 63:39-56 (1984) Maxilla Mandible 1 LI LI 2 2 1 RI RI Z 2 2 LI LI 2 2 2 RI 2 2 1 LC LC 8 2 1 RC RC 2 2 1 LPM LPM 8 2 1 RPM RPM 2 2 2 LPM LPM 8 2 2 2 RPM RPM 2 10 Quadrants M 1 B - = tooth is absent 2 3 D Molar score described in Scott E.C. AJPA 51:213-218(1979) Quad. 1 2 3 4 Total Score Quad. 1, 2 3 Total Score 1 LM 10 10 10 1 1 RM RM 10 10 10 10 2 LM LM 10 10 10 10 2 2 RM RM 3 LM 1721 10 10 10 10 3 RM 40. RM 8 3 10 8 10 10 10 10

Enamel Defect Measurement

Specimen # 2-10104843 Observer & Date M. Mack earious damage prevents bilater of observation Maxilla Mandible Tooth CH /Def /Inc /Cor /Bil /Age / Type Tooth CH / Def /Inc /Cor (/Bil)/Age RC LC 1

New York African Burial Dental Pathology Notes

S	pecimen#8-101 Cat 843 Observer and Date M. Mack 1/10/96
-	Carces: (1:61) (2:21-mesial, 15)(3:61)(4:21-mesial/occlusal)(8+9:22-
_	(Imerial, I divide? Located at sites of enounce hypoplaria oits-
_	(11:61), (12:61), (13:61), (16:13), (17:61)(18:61)(19:61) (20:21-mice
_	(28:21-merial)(29:61)(32:61)
_	Abscessing: (3:2)(12:1)(15:2) (17: possible 2)(18: possible 1)(19: possible 1)(11:1)
_	(31:1) - see photo for all
_	Severe aluelas recession Proots for all present dentition see phe
	Enamel Hypoplasia: present on (8:3), (9:3) (20:1)(21:1)(22:1)(27:1)(28:1)
	Enamel Hypocalcification: present on (1:6,4)(2:6,4)(4:6,4(2))(5:6,4(2))(6:6,4)
	(4:6,4)(8:6,4)(9:6,4)(16:6,4)(20:6,4)(21:6,4)(22:6,4)(23:6,4)
_	
*	Possible chipping of distal/occlusal edges of LI's RI'-may be in response to enamel hypodoxia sits @ that (ocation photo
_	be in response to enamel hypoplasia sits to that Cocation.
	photo
*	Marked seriostitis along alveolas margins from (RM3, RM2RM, RPM, RPM
	Marked periostitis along alreadas, margens from (RM3, RM2RM, RPM, RPM and (LC', LPM, LPM2 LM', LM2, LM3) - see shoto
_	
_	
_	-
-	
_	

			22							~		Page	1 of 5
Site	Name: /		B9								vis .		
Buria Catal	og #:_	843						Date	e: 4/1	7/46	-	_	
		NET	W YORK	AFRI AGE D	CAN BU				OJECT			*	
1) Cr	anial S	utur	e Clos	ure									
A. Ecto	cranial	0=0p	en 1=h	tinimal	Closure	2=8:	ignific	cant C	losure	3=Cor	nplete (oblite	eration
si	te		-		Score	3		Site					Score
1) Midla	ambdoid	(V)			-1		6) M	idcor	onal (V/L-2	()		1
2) Lambo					D				n(V/L		,		255
3) Obel:					0				front		-A)		1 245
4) Ant.		al(V)		0						ral(L		7
5) Breg					0	-					oral(L		17
Age Est	imate:	Vau:	1t34,	1718	Latera	al-An	terio	r_51,	9+12,	J	14.+X	- 97	
									*				
B. Endo	cranial	1=0	pen 2	Partia	Closu	re 3=	Comple	te Clo	sure	NA			
si	te				Score	3		Site					Score
1) Sagi	ttal						4) C	orona	1(L)				
2) Lambo							5) C	orona	1(R)				
3) Lambo	doid(R)				_	-							
Age Est	imate_	_	Con	ments									-
						_							_
2A. Den	tal Dev	elop	nent	Moorees,	Fanning,	4 Hunt 1	963a, 19	63b)		NA			
Code		Stag	ge	Code			Stage	е	Code			Sta	ge
1) In:	itial C	usp 1	Form	6)	Crown	Com	plete		11)	Root	Leng	th 3	/4
2) Coa	alescen sp Outl	ce of	Cusp	s7)	Initi	ial R	oot F	orm.	12)	Root	Leng	th Co	mplete
3) Cus	sp Outl	ine (Comp.	8)	Init.	Cle	ft Fo	rm.	13)	Apex	1/2	Clos	ed
	own 1/2 own 3/4			9)	Root				14)	Apic	cal Cl	osur	e Comp
Tooth	rm²	rm1	rc1	ri2	ri1	141	142	101	lm1	lm²			*
Score		- Lin	-										
Tooth	rm ₂	rm ₁	rc1	ri ₂	ri,	11,	112	101	1m1	lm ₂			
Score		_	_	_			_	_		_			
Tooth	RM3	RM ²	RM1	RPM ²	RPM1	RC1	RI2	RI1	LI1	LC1	LPM1		
Score	_	_	_	_	_	_	_		_	_	_		
Tooth	LPM2	LM^1	LM ²	LM3									
Score													

	vame:	NYA	ABG					Obse	rver	: AT	Davis	Page 2 of
	1 #:	701						Date	::	41	171	96
Catalo	og #:_	84	2									
		NEW	YORK	AFRIC AGE DE					OJECT			
Tooth Score	RM ₃	RM ₂	RM ₁	RPM ₂	RPM ₁	RC ₁	RI ₂	RI ₁	LI ₁	LC ₁	LPM ₁	
Tooth Score	LPM ₂	LM ₁	LM ₂	LM ₃								
Summary Comments	Age:	_										
2B. Dent	al Dour	-1-nm	ant .									
Comments THE MON Main 2C. Dent	in The	Ount elopm	sav	e ea	ten urd n	awa uola	yer	ma	the	on n	caus	ic rot RU
Summary	ummary Age:omments:	_	ent/ (d	ustafson 6	Koch, 19	74) 17	mo	lar	nec	mp1	etec	€.
Summary Comments	Age:											
Comments 3. Epiph	Age: : yseal	Union	0 =				Union					
Comments 3. Epiph	Age: : yseal	Union	0 =	Unobser			Union	2 =			- Comp	lete
Comments 3. Epiph Epiphysi Basilsar Med. Clar Acromial Scap-Acrovert. Mar	yseal s	Union	0 =	Unobser	vable	1 = No 18 25 19 18	Union Ag (Bo	2 = ge	Partis	al 3	- Comp	lete
Summary Comments 3. Epiph Epiphysi Basilsar Med. Clar Acromial Scap-Acro Vert. Mai Inf. Ang	yseal s vicle End om rgin le terior	Union	0 =	Unobser	vable	1 = No 18 25 19 18	Union Ag (Bo	2 = ge th) 25.(20.(21.(21.(21.(21.(21.(21.(21.(21.(21.(21	Parti	al 3 (d	= Comp.	lete Estimate
Summary Comments 3. Epiph Epiphysi Basilsar Med. Clar Acromial Scap-Acro Vert. Mar Inf. Ang Atlas-And Atlas-Pos	yseal s vicle End om rgin le terior sterior	Union	0 =	Unobser (vable	1 = No 18 25 19 18 20	Union Ag (Bo	2 = ge th) 25.0 28.0 19.0 21.0 21.0	Parti	al 3 (d	= Comp.	lete Estimate
Summary Comments 3. Epiph Epiphysi Basilsar Med. Clar Acromial Scap-Acro Vert. Mag Atlas-And Atlas-Pos	yseal s vicle End om rle terior sterior erior	Union	0 =	Unobser	vable	1 = No 18 25 19 18 20 20	Union Aq (Bo	2 = ge (th) 25.(20.1) 21.(21.1) 4.0	Parti:	al 3 (d	= Comp.	lete Estimate
3. Epiph Epiphysi Basilsar Med. Clar Acromial Scap-Acre Vert. Mar Inf. Ang Atlas-Ang Atlas-Ang Atlas-Post Cerv. Ver	yseal vicle End om rgin le terior sterior erior terior	Union st	0 =	Unobser	vable	1 = No 18 25 19 18 20 20	Union A(Bo 3.0 - 5.0 - 5.0 - 5.0 - 6.0 - 7.0 -	2 = ge (th) (25.6) (21.6) (21.6) (21.6) (4.0) (25.6)	Partis	al 3 (d	= Comp.	lete Estimate
Summary Comments 3. Epiph Epiphysi Basilsar Med. Clar Acromial Scap-Acro Vert. Mar Inf. Ang Atlas-And Atlas-Post Axis-Post Cerv. Ver Thor. Ver	yseal vicle End om rgin le terior sterior terior terior tr. Rin	Union st	0 =	Unobser	vable	1 = No 18 25 18 20 20	Union Ag (Bo 3.0 - 5.0 - 5.0 - 7.0 - 7.0 -	2 = ge (th) 25.(20.1) 21.(21.1) 4.0	Partis	al 3 (d	= Comp.	lete Estimate
Summary Comments 3. Epiph Epiphysi Basilsar Med. Clar Acromial Scap-Acro Vert. Mar Inf. Angl Atlas-And Atlas-Pos Axis-Pos Cerv. Ver Thor. Ver L5 Body// Sacrum (S	yseal vicle End om rgin le terior sterior erior terior terior terior terior terior	Union st	0 =	Unobser	vable	1 = No 18 25 19 20 20 33 17 17 3	Union Ag (Bo 3.0 - 3.0	2 = ge (th) 25 (20 (21	Parti:	al 3 (d	= Comp.	lete Estimate
Summary Comments 3. Epiph Epiphysi Basilsar Med. Clar Acromial Scap-Acro Vert. Mai Inf. Ang Atlas-Ant Atlas-Pos Axis-Ant Cerv. Ver Thor. Ver L5 Body/i Sacrum (S	yseal vicle End om rgin le terior sterior rt. Rin rt. Rin Arch S1/2)	Union st	0 =	Unobser	vable	1 = No 18 25 19 18 20 20 33 17 17 32 20 17	Union Ag (Bo 3.0	2 = ge (th) 25. (20. (19. (19. (19. (19. (19. (19. (19. (19	Parti:	al 3 (d	= Comp.	lete Estimate
3. Epiph Epiphysi Basilsar Med. Clar Acromial Scap-Acro Vert. Mai Inf. Ang Atlas-Ant Axis-Posi Cerv. Ver Thor. Ver L5 Body// Sacrum (S S	yseal yseal s vicle End om rgin le terior sterior erior terior terior (1, Rin Arch (1, 2) (3, 2, 3) (3, 4) (4) (5, 4) (7, 4)	Union	0 =	Unobser	vable	1 = No 18 25 19 18 20 20 33 17 17 17 20 17	Union Ag (Bo	2 = ge (th) 25 (20 (21	Parti:	al 3 (d	= Comp.	lete Estimate
Summary Comments 3. Epiph Epiphysi Basilsar Med. Clar Acromial Scap-Acro Vert. Mar Inf. Angl Atlas-And Atlas-Pos Axis-Pos Cerv. Ver Thor. Ver L5 Body// Sacrum (S	yseal yseal s vicle End om rgin le terior	Union st	0 =	Unobser (6.0) (3.0)	vable	1 = No 18 25 19 18 20 20 3 3 17 17 3 20 17 19 13	Union Ag (Bo	2 = ge th) 25. (28. (29. (21. (21. (21. (21. (21. (21. (21. (21	Parti:	al 3 (d	= Comp.	lete Estimate

alte week	NYABG		01		ADavie	Page	3 0	f :
Site Name:	The state of the s			rver:				
Burial #:	101		Date		4/17/96			
Catalog #:	393							
	NEW YORK AFRICA	AN BURIA		OJECT				
Med. Epic. Hum.	(10.0	- 14.0)		(12.0	- 14.0)			
Prox. Radius			14.6 - 15.8				_	
Dist. Radius			18.0 - 19.0				_	
Prox. Ulna	(13.1	- 15.0)			- 15.0)		_	
Dist. Ulna			18.0 - 19.0				_	
Femur Head	(13.4	- 16.4)			- 16.4)		_	
Gr. Trochanter			17.0 - 18.0				_	
Ls. Trochanter			17.0 - 18.0				_	
Dist. Femur		- 17.0)			- 17.0)		_	
Prox. Tibia		- 18.0)			- 18.0)		_	
Dist. Tibia		- 18.0)			- 18.0)		_	
Prox. Fibula	(14.0	- 18.0)		(16.0	- 18.0)		_	
3. Epiphyseal Un					0 /			
Consensus epiphy	t the media	1 clay	or le seen	us to	be or	ly		_
partially full							,	_
4. Sternal Rib Comments: The	change: phase:	ed -	76-32 [2 no scal	lopi)	13 years J	us	u	_
shilpretty				'	,			_
5. Pubic Symphy	rsis							
A. Suchy-Brooks: Comments: Sow	pellouring ve	18.7						_
	-	0071	- /	3211+	[2,5]			-
B. Revised Todd: Comments: Veud	phase: W age	130-31						_
6. Auricular Sur Comments: Bran	face: phase: 3	age:	irse organ	[32=2] (zat	ion (stie	nt)		-
and small am	count of merry	opty.	Prominent 5					_
Composite Age:	30-35 years	[3215 year	s±2s years]					
Comments: 7/15	udividual is	in he	s Thirtie	S.M	ost of	the		_
indicators	porut This	way!	Due to	the e	xcelle	w		_
be assessed	on nearly	all	of the sk	celet	on con	uld		_
be assessed	(for age.)							_
								_

Burial #:	Observer: Date:
Catalog #:	NEW YORK AFRICAN BURIAL GROUND PROJECT AGE DETERMINATION FORM
Seriated Age Inc 1) Dental Att	dicators rition(See Dental Wear Form)
Score: A	ge: Seriated Age:
Comments:	itic Change
Comments: 2) Osteoarthr 0 = No Lipping 1	itic Change - Minimal 2 - Moderate 3 - Significant 4 - Maximum
Comments: 2) Osteoarthr 0 = No Lipping 1 C1 C2 C3 O O 1	itic Change - Minimal 2 = Moderate 3 = Significant 4 = Maximum

			Page	5 of 5
Site Name: Burial #: Catalog #:		Observer: Date:		
Remodeling				
_				
torial Age				
_				
	NEW YORK APAGE Remodeling	NEW YORK AFRICAN BURIAL G AGE DETERMINATION Remodeling	NEW YORK AFRICAN BURIAL GROUND PROJECT AGE DETERMINATION FORM Remodeling corial Age	NEW YORK AFRICAN BURIAL GROUND PROJECT AGE DETERMINATION FORM Remodeling corial Age

SEX DETERMINATION

ITE	NYABG RECORDER	ADas	25			
URIAL	# /b/ DATE	4/17	196			_
AT#	843	,				
				SCORE	3	
) C1	ranial	F			0	M
1	. supraorbital ridge & glabella	1	2	3	4	5 5 5 5
2	. zygomatic arch	1	2	3	4	5
*3	. mastoid process	1	2	3	4	(5)
	a. mastoid length	1	2	3	4	5
	L R					
4	. occipital region	1	2	3	(4)	M 5 5 5 5 5 6
	gonial region	1	2	3	_	5
	eye orbit margin	1	2	3	4	5
	mental eminence	1	2	3	4	5
	temporal line	1	2	3	4	5
0	. temporar rine	ī	2	3 3 3 3	4 4	5
9	. palate length	1	2	3	4	E
10	overall robusticity	1	2	3	*	(3
	humerus from organal measures. a. vertical diam. humeral head L 44.79 R 46.62 b. transverse diam. humeral hea	1	2	3	4	5
	L R	1	2	3	4	5
	c. biepicondylar width					_
	L 70 R 69	1	2	3	4	(5
	d. articular width					
	L R	1	2	3	4	5
12	. sternal length	1	2	3	4	5
12	manubrium mesostern	um	tota	al =		
13	. clavicle (length)		_	_		
10	L 152 R 150	1	2	3	4	(5
11	. scapula		-			-
14	a. glenoid cavity length					
	L 46 R 42	1	2	3	4	(5
1 =	. femur	_	-	-	-	0
15	a. max. diam. femoral head					
		1	2	3	4	(5
	L 49.5 R 50 b. femoral midshaft circumf.	_	2	3		4
		1	2	2	1	1
	L 95.5 R 95.5		2	3	3	9
	c. linea aspera	1	2	3	4	and and
16	. tibia	1	2	3	4	(
	circumf. @ nutrient foramen		_			6
	L /08 R //4 . overall robusticity	1	2 2	3	4	(5
		1			4	

NYABG B. 101 cat 843

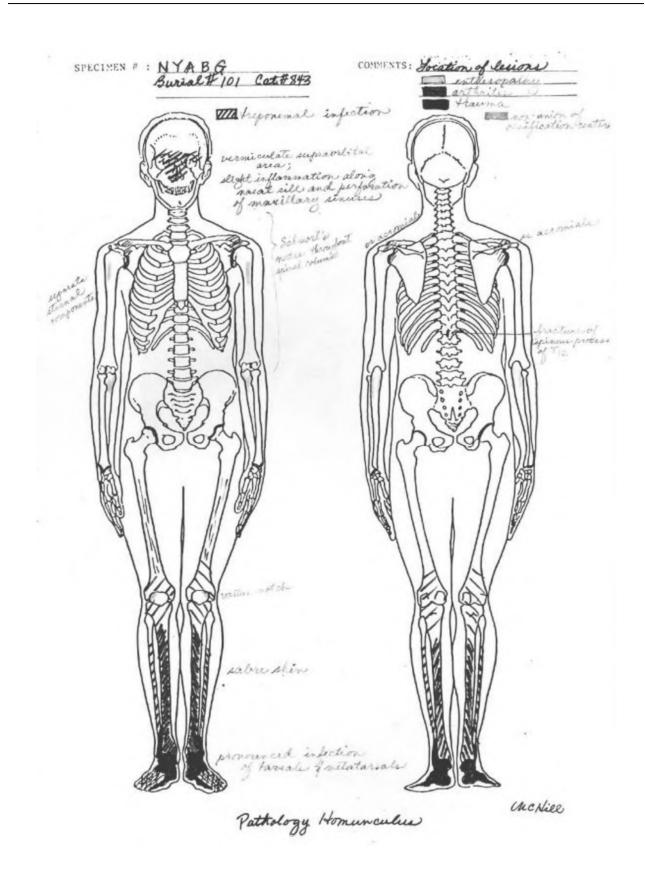
SEX DETERMINATION

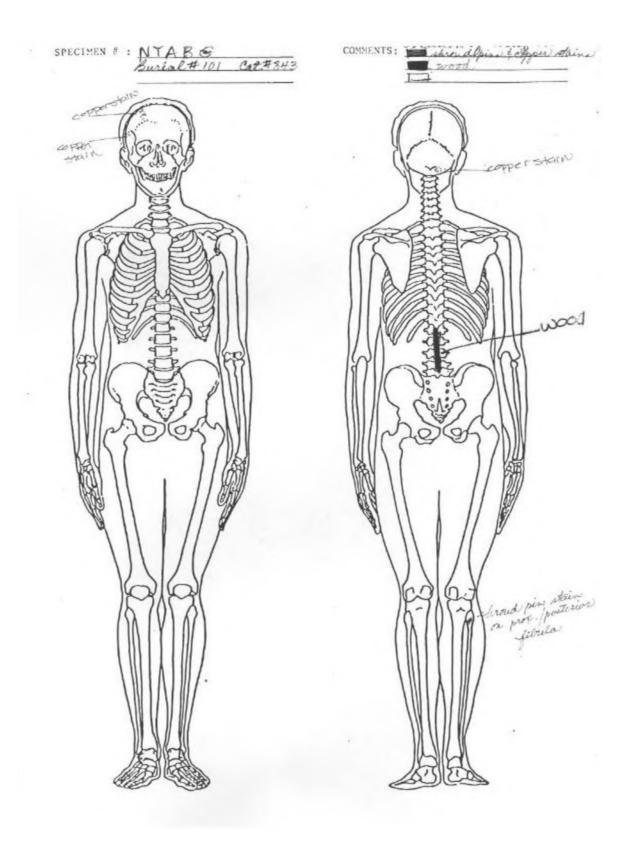
III) Pelvis					
	F				М
*18. os pubis	1	2	3	4	(5)
a. ventral arc		N	ONE		_
b. subpubic concavity		N.	ARRI	ow	
c. medial ridge		F	LAT		_
19. pre-auricular sulcus	1	2	3	4	(5)
*20. greater sciatic notch	1	2	3	4	(5)
a.angle					
L 65° R 60°			-	-	-
*21. pubic angle	1	2	3 3	4	5
23. auricular surface	1	2	3	4	5
26. sacrum	1	2	3	4	5
27. superior inlet	Τ.	2	3	4	5
Total Sex Score + number of indicators =	2	4.5			

108: 24					
11-10					
Summary Sex Male					
- : : : : : : : : : : : : : : : : : : :			, ,		
Comments: This individual gives en	iery 1	nai	cati	on	
of being male. The cranium with a large supra orbital n	15 10	rne	· m	oust	
of being maic. The crainwin	. 10 10	140	1100	10000	_
with a large supra orbital n	dge o	and	ma	87010	<u>C</u>
The occipital has nigged as	opear	auc	e.	The	
innomin ates show male trait					
1 .		1			
sciatic notch, absence of a prec	aunc	ular	su	cus	_
large acetabulum, a high v	ertico	af	lin	m	
and a Vshaped subpubic as					
The whole skeleton is robus	to	. A.			

BURIAL #NYABE Guns. 101 Cat. 843	
13 (410) 60000 101 000 010	CONDITION OF PRESERVATION:
AGE ASSESSMENT: mature adult, santo-to	v-mid 30's excellent presention minimal fragmentation
SEX ASSESSMENT:	Stage 0
BONES AND DENTITION PRESENT:	st conflicte skeleton, cranicen, and randible
almon	a conflicte skeleton, canus, and sandille
A STATE OF THE STA	
OBSERVATIONS AND COMMENTS:	"ced respectly and rate sticity; "heaven"
Some descrity; very large rige;	marrow Sciatio notely, no preachicular boleus
Jarge blent mastride; slight se	
occipital four very monor and	auchal creek; devotar prograthing
Handest Seet	and the same of th
10 1	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
lora lone solshum and Sused a	medial chamicle spirtness are almost complete
Fazilar setuke) is lesels.	closed.
dental attrition	in minimal
age reservent: sternal and ossi	lication - Place # (26-32 yrs.) [decan stal. 1983]
quicillas sum this	Leis - 44-54 wr. (200 + + meters 1973)
" a U	35-38 Gree (Sacher-Brooks 7986)
ectographal enter	os claseire - 28 - 35 Cyne. Texcente et al. 19237
PATHOLOGIES AND ANOMALIES:	os claseire - 28 - 35 Cyne. Texcente et al. 19237
PATHOLOGIES AND ANOMALIES:	accessory bordel sulci accessory bordel sulci arching stoked but actoria with surfaces of a life attern & parietal foranina; filate
PATHOLOGIES AND ANOMALIES:	accessory bordel sulci accessory bordel sulci arching stoked but actoria with surfaces of a life attern & parietal foranina; filate
PATHOLOGIES AND ANOMALIES:	accessory bordel sulci accessory bordel sulci arching stoked but actoria with surfaces of a life attern & parietal foranina; filate
PATHOLOGIES AND ANOMALIES: Section about temples theteres Superiorlital action and force conducted; action and force conducted; action to conducte to	accessory bordel sulci accessory bordel sulci arching stoked but actoria with surfaces of a life attern & parietal foranina; filate
PATHOLOGIES AND ANOMALIES: Section about temples theteres Superiorlital action and force conducted; action and force conducted; action to conducte to	accessory bordel sulci accessory bordel sulci arching stoked but actoria with surfaces of a life attern & parietal foranina; filate
PATHOLOGIES AND ANOMALIES: Light of the above to the and for a sounced a partitle and for a conductive; and the the	accessory bordel sulci accessory bordel sulci arching stoked but actoria vial services of a life attern a parietal forance a filete
PATHOLOGIES AND ANOMALIES: Section about temples theteres Superiorlital action and force conducted; action and force conducted; action to conducte to	accused brother sulci service of surface of the succession brother sulci service of the succession of the surface of the succession of the
PATHOLOGIES AND ANOMALIES: Light of the above to the and for a sounced a party arms of form of the and form of the and form of the and the anomalies to the anomalies.	accessory bordel sulci accessory bordel sulci arching stoked but actoria vial services of a life attern a parietal forance a filete
PATHOLOGIES AND ANOMALIES: Light orbital autoh and for a conduction of form of the conduction to the	accused bordel sulci accused bordel sulci selication of paratal forming it for a series in machine; Kigh a by a title distribution are 7-2hapes, at a to be still a total mainly ailly provided inflammatory are a across mainly ailly provided inflammatory are a across mainly ailly provided inflammatory are across (maxiflary & mandifular); periodical activity
PATHOLOGIES AND ANOMALIES: Light of the above to the and for a sounced a party arms of form of the and form of the and form of the and the anomalies to the anomalies.	accused bordel sulci accused bordel sulci selication of paratal forming it for a series in machine; Kigh a by a title distribution are 7-2hapes, at a to be still a total mainly ailly provided inflammatory are a across mainly ailly provided inflammatory are a across mainly ailly provided inflammatory are across (maxiflary & mandifular); periodical activity
PATHOLOGIES AND ANOMALIES: Light of the above to the and for a sounced a party arms of form of the and form of the and form of the and the anomalies to the anomalies.	accused bordel sulci accused bordel sulci selication of paratal forming it for a series in machine; Kigh a by a title distribution are 7-2hapes, at a to be still a total mainly ailly provided inflammatory are a across mainly ailly provided inflammatory are a across mainly ailly provided inflammatory are across (maxiflary & mandifular); periodical activity
PATHOLOGIES AND ANOMALIES: Separatital actor and final second of many lands and form a factor of many lands and form a second of many lands and for the many lands and for the many lands and forth and a second of many lands and forth and a second of many lands and l	accused bound sulci al 19253 accused bounds sulci al surface of the success of the sulci al surface of the success of the suc
PATHOLOGIES AND ANOMALIES: Settles about temples billither conduction of mariful and for a for a conduction of mariful and sold and for a sufficient of mariful and sold and sold sufficient for the sold and sold alight in blammatory cases along a sufficient for the sold and sold alight in blammatory cases along a sufficient for the sold and sold description of sufficient for the sold actually fact of policy for the sold company of sugar of capital or side side (more particular for capital or side side	accused border sulci accused to the second surface of the second border and surface of the second surface of the second surface of the second surface of the second successful surface of the second s
PATHOLOGIES AND ANOMALIES: Settle about temple littles Linguage that a march and for a conduction of mariliary conduction to sufficiently and on total with a sufficient and on total with a sufficient and fronts - particle description of sufficient feeth (description of sufficient feeth (description of sufficient feeth (sufficient and sufficient feeth (sufficient sufficient feeth (sufficient and sufficient feeth (sufficient suffic	accused border sulci accused to the second surface of the second border and surface of the second surface of the second surface of the second surface of the second successful surface of the second s
PATHOLOGIES AND ANOMALIES: Light about tombre belleting conductive and tombre belleting conductive and material and a form stight in flammatory area alongs stight in flammatory area and a stight actions facts of village and story articular facts of village transfer and a supplied of along the pullage of light stight and a strong the stight and a love allocate of make a said and a	accessed bordet sulci accessed bordet sulci accessed bordet sulci in the satisfaction of pariety bordet sulci and accessed bordet succession bordets are accessed by a distribution of states and sill; por till in flow materia are accessed and sill; por till in flow materia are accessed (maxillary & mandifular); be in the satisfaction and for a college of success accessed bordet and business of manginal (slist) library be and suitisation of success of second capitle and suitisation of successed bordets and suitisation of successed bordets and suitisation of successed bordets and suitisation of successed by successed bordets and suitisation of successed by successed by and suitisation of successed by and
PATHOLOGIES AND ANOMALIES: Separative and some distribution of manifest and formation of first and for an advance of manifest and formation of manifest and for total and for total and for total and for total and formation of advances of manifest formation of the first and formation of actions of files will as an internal and formation of all and formation of all and formation of all and formation of the files and all all and all and all and all and all and all all all and all all and all all and all all and all all all and all all all and all all all and all all all all all all all all all al	accessed bould sulce accessed bould sulce accessed bould sulce action of the best of the sulce and accessed boundaries of the accession of
PATHOLOGIES AND ANOMALIES: Language of a manifer and for an anomalie of manifer and for a series of manifer and for a series of manifer and for the angle of a series of a se	accused brother select accused brother select accused brother select in the select sequences of the select and accused by a distanting of the select and accused by a distanting and accused and sill; possible in flow actions a divinty and sill; possible in flow actions a divinty and sill; possible in flow actions a divinty and considered mandifularly; beneficially and provided to proper settles be selected days and provided to manginal liberty and considered and resilisation of the selection of description charles a selection of description of the selection of the selec
PATHOLOGIES AND ANOMALIES: Separatital act had force to the force of marilia and force and force of marilia act had force at a force and force an	accusing broads sulci accusing broads sulci accusing broads sulci accusing broads sulci and interest paraetal formula is the accusing and manually at a to be activitied accusing and sill; provide inflammatory are according and sill; provide inflammatory are according and sill; provide inflammatory are according and fill; provide inflammatory are according and fill; provide inflammatory are according and fill; provide inflammatory are according and first to manditular; benefit accided and first to manditular; benefit accided and first of the manditular; contact of accided and explication of sulciple fursil accided and explication of the contact of planes of the accidence of the a
PATHOLOGIES AND ANOMALIES: Separatital march and forces condected a marity and forces dight in the matery asses along a suprantital and on both with a dight in the matery asses along a suprantital, and on both with a stacessing of posterior teeth (disease; X-shabed fronts-pariste and Cambridged sections, assessments activing of standard sections and both activing of standard fellow of the construction of standard continues and construction of standard continues of suppression international of the suppression internation of the suppression in the something of the supp	accusing broads sules accusing broads sules accusing broads sules in the least samman protein in the second secretary and accusing this a for a circletal according to the second se
PATHOLOGIES AND ANOMALIES: Light about the wife and form conducted a stock and form conducted a stock and form conducted and on the action slight in flammatory care alongs with an abscessing of posterior beeth discours X-skapid fronts-position discours X-skapid fronts-position discours Alamand forts-position acticular facility will as an list acticular facility will as a single side of classical of medial carde of the live adjects of medial carde of the control of the state of the state of distant and a state of the distant and a state of the state of distant addition of the state of the and of sterm - free state of the state of and all the more of a voice to cention and the sterm - free state of a medial and the sterm - free state of a medial and the sterm - free state of the sterm (c.	accused border sulca continue of the continue
PATHOLOGIES AND ANOMALIES: Separational and beautiful and for a service of maniferance of the service of and for a service of maniferance of and a service of and for a service of a servi	accused border sulca continue of the continue
PATHOLOGIES AND ANOMALIES: Separative of market and for a consider a market and for a consider a market and for a consider a market and for a separative of a market and consider and consider a market and consider a market and consider and considered and consid	accusing borded succession with the 1925? accusing borded succession with a succession of the construction of the constructio

1	Pathology (continued)
	Tarrongy (comme)
L	vasture loteralies notch on patellar (litertenst); slight to-moderate sclerolics live and periodical, strictions along entire length of distribusion and epithuris of lentra (man naticeable on autal metaphyses); letteral torsion one phovimal right femum; ap loving of projectal, femore; Popular fact on posterior aspect of prov right femum; macroporatic reportion pitting distal femoral metaphyse; contical environ of anterior aspect of prov. for necks; contical expansion of distribute factories more provinced going of prov. to distal discharge and use distal metaphyses; elicit to moder
7	prox. to distal displaces and up. distal metaspage; slight to mother scleratic periortial structures along entire metaspages displaced sentire of sclerations along sutire metaspages of displacing length of Herio. alp voming and antirkov contical extansion of tilriae (caller duis
7	platicenemia; slight eleveration and microperait, of all articular sunga of the les: tempera, vibrae patellar; pronounced to extreme letic/blastic, received inflammation of both feet -esp. in torsals, and metatorsals;
	numerous attraction or posterior aspect of Satural spicondyle of the night be an
	addendum: healed disturated fracture of spinous process of T12 on list side of mid-line (non-union fracture) that desite the spinoles process in two). An identical fracture is seen on
	Tiz (a woman).
-	
-	
-	
-	PATHOROGICE AND ANTHALIES:
-	
-	
-	
1	
-	
-	
N	NOTES:
-	
-	
18.1	
	4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2





National Strand 45-505 Eye-Esses NYABG , 45-905 2- Fack Mode in USA	,	Prepared By CACH	0
Plat rasa	phic Record	Approved By	
no co prog			
Photos Bur. 101 Cat. 843	Bur. 101 Cat. 843		
Ecopular: night & left tryether!	Radio :	-	
anterior poeterior, Lateral -	anterior posterior, medial, lateral	-	
	close - up of proximal articular		Н
close-up of glenoid forsal	eles us of distal articular -		H
close up of each acromion proces showing or acromide	close my of distal articular -		Н
A. A. C.	ulnar: posterior, medial, lateral		Н
Right Riba: superior & inferior	close - us of proximal articular		Н
heads & anticular faceli	close up of proximal articular		H
sternal end ossification of	close - up of distal articular		H
	mogaces		H
articular facts of leads			+
sternal end our of # #			+
, "			+
Bur. 101 Cat. 843	Bur. 101 Cat. 843 Pathology		
fibrilar: medial i lateral	of fore		H
close-up of proximal ender	lesions on tarials		t
(medial i lateral)	lecions on torsale		t
close-up of distal ends /			T
1 income y			T
humeri: anterior, posterior, medial, lateral	Q = 00		t
interior position - up at proximal	Potellae		Т
superior (close-up of proximal -	anterior poeterior, mediale		
inferior (close - up of distal -	latical		
articular surfaces)			
autorior t posterior			
Plotos & Bur. 101 Cat. 843	Bur. 101 Cat 843		
R. IT Hand . d. al.	Vimora.		1
Best Hand: dorsal of palmar V	auteriar) poster or medial		1
Right Hand: doreal & palman	anterior), posterior, medial		
a.	superior (close up of femoral		+
Hernum: all elements together	inferior Class up of distal		+
posterior/ventral	oblique articular surface)		+
no comments			+
Clairicles: fogether	anterior, posterior, medial, lateral		+
superior differior	- Vsugerior (close - up of proximal		+
comparison of medial ends	- (articular surface)		+
comparison of lateral ends -	inferior (clase-up of distal		+
	_ articular surface)		+
			+

45-305 2-P	Escel NYABGE, Burial 101 , Cat. # 843.	Prepared By	Cuest	
11000	Photographic Record	Approved By	- Driving	
	A, 0 1		5=	
for Friday	1 1 1 1 242 Phot 42			
B. 101 mendible	Bur. 101 (at. 843) Photoe Yaken	5 .		Ξ
	Tothology			Т
occlusal/supe	alt 1000:		TIII	ī
overwew	J. metaturaals		111	1
close up a of des	" 1st metatarsal	8		Ī
Flift buccal				T
hight buccal	" " Yarsals		\mathbf{III}	T
anterior / labor				Ī
Slingual /post	showing ostrochondrytic			1
Janes / poss				1
	Right Foot:			Í
* ***				j
	- close up of viorive lisions on talles and navicular	200		
Bur. 101, Cat. 843	tolles and navicular)			
	· close up of erosive lesions on			
Cranial Photos				
close-up: night late	ral - superior surface of calcaneu			
close-up: night late of accessory from	tal T			
Close-up of orbital		10		
area showing	Masal			
perforation of si	nuce	8		
and supra-orbit				
			Ш	
· left oblique vi			Ш	
V D			Ш	
close up of left res	acted Tillian William Bulling		1111	_
1	A 1.1			_
Bur. 101, Cat. &	93 B. DI		444	_
Cranium:	* H Ol			_
	chal - Left Homer us - very const			_
I close - up of new	at + Nt & t	-		_
Thoracic Vertilia	nes Note, tractures in the short of	-	+++	
VTZ 179 Schmon	res - cortex (possibly due to #20) }		+++	
mode	w - 11111111111111111111111111111111111	+++	-	
Sacrum:		11111		
Jacobson sacro-	diac al		+++	-
1 00 31			+++	-
Demara:	alore and a second a second and		+++	
V Close or Dight				
close up of aut.	prof.		1	

NEW YORK AFRICAN BURIAL GROUND PROJECT PHOTOGRAPHIC RECORD

BURIAL# [0] CA	PGINNING DATE / / FNDING DATE / / COLL 1			
EGINNING DATE/ ENDING DATE//_ P-94/264/2				
STANDARD PHOTOGRAPHIC ASSESSMENTS P-96-266/2				
SKELETAL ELEMENTS	VIEW/SURFACES/INDICATOR(S) ✓ = PHOTOGRAPHED			
POSTCRANIAL ELEMENTS:				
femora	anterior, posterior, medial, lateral	1		
	proximal close-up's: an <u>terior</u> , medial, posterior distal close-up's: anterior, posterior, distal/oblique	~		
tibiae	anterior, posterior, medial, lateral	1		
	close-up of prox. articular surfaces	1		
fibulae	medial; lateral	1		
	close-up of prox. articular surfaces close-up of dist. articular surfaces	~		
Humeri	anterior, posterior, medial, lateral	~		
	<pre>prox. close-up's: anterior, medial, posterior dist. close-up's: anterior, posterior, dist./oblique</pre>	V		
Radii	anterior; posterior; medial; lateral	-		
	close-up of distal articular surface and prox. and surface	V		
Ulnae	anterior; posterior; medial; lateral	-		
	close-up of proximal half: anterior; medial; lateral close-up of distal articular surface	-		
Patellae	anterior; posterior (medial & lateral, if pathological)	1		
Clavicles	superior; inferior ,ant, port; close-up of medial articular surface	2		
	close-up of medial inferior surface close-up of lateral inferior surface	V		

NEW YORK AFRICAN BURIAL GROUND PROJECT PHOTOGRAPHIC RECORD

ELETAL ELEMENTS	VIEW/SURFACES/INDICATOR(S) / = PHOTOGRAPHED	
Scapulae	anterior; posterior , lat. close-up of glenoid cavities, clusepot of a mimale	
Innominates	anterior; posterior close-up of iliac crests	11 R
	close-up of auricular platform surfaces close-up of acetabula	11
	close-up of pubic symphyses	14
Hands	dorsal; volar (palmar)	11
Feet	dorsal; volar (plantar)	V P.
Tali & Calcanei	close-up of articular surfaces .	7
Sternum	ventral (anterior); dorsal (posterior)	/
Ribs	Left: superior; inferior Right: superior; inferior	1
Cervical Vertebrae	In Line: superior; inferior	V
Thoracic Vertebrae	In Line: superior; inferior Stacked Together: anterior; posterior; L. lateral; R. lateral In Line: superior; inferior	1
Lumbar Vertebrae	Stacked Together: anterior; posterior; L. lateral; R. lateral In Line: superior; inferior Stacked Together: anterior; posterior; L. lateral; R. lateral	1
Sacrum	anterior; personior; left lateral right lateral (together)	~
Cocyce-	general inventory: anterior	
iyo! L	general inventory: anterior	

NEW YORK AFRICAN BURIAL GROUND PROJECT PHOTOGRAPHIC RECORD P-04-101,102 BURIAL# [10] CATALOG# BEGINNING DATE __/_/_ ENDING DATE __/_/_ STANDARD PHOTOGRAPHIC ASSESSMENTS VIEW/SURFACES/INDICATOR(S) ✓ = PHOTOGRAPHED SKELETAL ELEMENTS w/ mandible In Frankfurt Plane: anterior; L. lateral; R. lateral Cranium superior; inferior; posterior; endoeranial view Maxillae left lateral; anterior; right lateral; occlusal Mandible left lateral; anterior; right lateral; occlusal maxillae and mandible in occlusion: Dental Close-Up's left lateral; anterior; right lateral

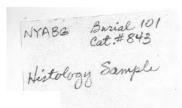
NEW YORK AFRICAN BURIAL GROUND PROJECT PHOTOGRAPHIC RECORD

P-96-114

BURIAL# 10/ CATALOG# 843

BEGINNING DATE $\frac{5}{10}$ / $\frac{9u}{4}$ ENDING DATE $\frac{5}{10}$ / $\frac{9b}{4}$

SKELETAL ELEMENTS	VIEW/SURFACES/INDICATOR(S) ✓ = PHOTOGRAPHED	
Marillary + Mandibular	ANTERIOR, R. Lateral, L'ateral, occlusal-generaliniversory Moun	KMH
Maxillary Dewlition	Close-up - Anterior R. Lateral h. Lateral Occlusal All-Touch - Pathologics	KWH
Mandibulas Deutition	Close-up- Anteriore, R. Laterol, L. Lateral, occlusal All Leelle- Perthologies	runk
Central Max Incisors	Close-up- Anterior, Occlusal -> Evan Hypocaleification Evan Hypoph, Pitting, Chipping	Kony
LPMZ	Close-up Occlusal - three lingual cusps	KMH
	*	
		H



New York African Burial Ground Project Howard University Skeletal Sampling Document

Identification: Burial # 10 C# 84	Element Rib	_ Sample @ midshaff
Quality: Preservation stat	tus (0) Excelled Soil	type Clay(?)
Demography: Sex male	Age larly to mid	
Comments:		
Date sampled: 8/8/95		
Destination: Universe Oklas	homa	
Initials: Measurement	Radiography	Sectioning

New York African Burial Ground Project Howard University Skeletal Sampling Document

Identification: Burial # 101 Element L, R16 Sample mid-shaft CAT # 843
Quality: Preservation status Stage O Soil type (lay(?)
Demography: Sex MALE Age MATURE ADULT (early-mid 30s)
Femur measurements: Maximum length Bicondylar length
Comments:
Date sampled: <u>\(\frac{\frac{10}{95}}{\} \)</u>
Destination: Univ. of Oklahoma
Purpose:
Initials: Measurement Radiography Sectioning AMH

Appendix C

PRESERVATION STATUS CODES FOR NEW YORK AFRICAN BURIAL GROUND

APPENDIX C

PRESERVATION CODES

S. S. Mahoney and C. Null

In order to get an idea for overall preservation of each entire skeleton, the Inventory database was modified to create a preservation database.

The Inventory database provides a completeness assessment for each element, or portion of the element, of the individual's skeleton. The completeness is based primarily on the "Chicago Standards" guidelines:

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1 = >75\% present
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2 = 25% to 75% present

3 = <25% present

8 = Partially observable (25% to 75%)

9 = Complete but unobservable

Blank = missing element

These values in the Inventory database were recoded to create the following preservation value labels:

1 = good

2 = fair

3 = poor

4 = missing

In order to modify the inventory database to make it useful as a preservation database in SPSS, the completeness value had to be modified to a preservation value. Codes 1, 2, and 3 did not change. Code 8 (partially observable) was recoded to 2 (fair condition), Code 9 (complete but unobservable) was recoded to 3 (poor condition), and blank entries were modified to Code 4 (Missing)

The preservation database was split into two databases: one for cranial preservation and another one for post-cranial preservation. Each database had a new variable attached for the mean of all the preservation codes for every bone in that section. The mean formula calculated the average of all the element codes for each burial, resulting in one number. The cranial and post-cranial preservation means were then placed together for comparative purposes (see the attached table).

There are two issues that must be taken into consideration with this database.

Some individuals (e.g. Burial 101), had consistent preservation throughout the skeleton, and the final preservation code should be a very good representation of overall condition. Other burials, however, had been modified by nineteenth- and twentieth-century ditches, subsequent burials, plumbing, and other trenching which cut burials in half or removed a good portion of the remains. These individuals (e.g., Burial Nos. 428, 120, or 200) might have good preservation in the upper torso (1 to 2) but the missing remains from the lower half of the body would place the final preservation mean closer to 4 (missing).

The final mean for the post cranial preservation codes will tend to be weighted heavily toward the long bones. The clavicles each have one preservation code linked to them. The long bones, however, were assessed for the proximal and distal ephiphyses as well as the proximal, medial and distal third of the diaphysis. This results in five preservation codes for each long bone versus one preservation code for another element (i.e., the clavicle), resulting in a mean that is more indicative of long-bone preservation. For the cranial elements, the ear bones (malleus, incus, and stapes), which are rarely recovered, each have a code for both sides, resulting in a set of six missing codes for most of the cranial material.

Taking these qualifications into consideration, the preservation codes provide an efficient and useful method of assessing the condition of the remains.

Appendix C: Preservation Codes for NYABG Burials

Codes: 1.00-1.99 = Good 2.00-2.99 = Fair 3.00-3.99 = Poor 4 = Missing

Burial #	Crania	Post-Crania
1.0	2.62	2.79
2.0	3.00	4.00
3.0	2.89	3.99
4.0	2.89	4.00
4.1	2.62	4.00
5.0	3.70	4.00
6.0	1.97	1.26
7.0	1.92	1.96
8.0	4.00	4.00
9.0	2.19	2.23
10.0	1.95	2.37
11.0	2.73	2.52
12.0	1.73	1.59
13.0	4.00	4.00
14.0	2.38	3.53
15.0	4.00	3.84
16.0	3.08	3.09
17.0	2.73	3.38
18.0	2.78	3.43
19.0	4.00	4.00
20.0	4.00	3.20
21.0	4.00	4.00
22.0	2.70	2.49
23.0	2.70	2.49
	3.54	3.45
24.0 25.0	2.57	1.84
26.0	3.81	3.87
27.0	3.43	3.96
28.0	3.68	3.98
29.0	4.00	3.66
30.0	2.38	3.54
31.0	2.81	3.26
32.0	2.57	1.70
33.0	3.97	3.93
34.0	4.00	4.00
35.0	2.30	2.40
36.0	4.00	3.72
37.0	2.14	1.16
38.0	2.95	3.82
39.0	2.19	2.57
40.0	2.38	1.70
41.0	4.00	3.89
42.0	3.65	2.88
43.0	3.22	3.85
44.0	4.00	4.00
45.0	3.41	3.19
46.0	3.89	3.53
47.0	2.70	3.06

Burial #	Crania	Post-Crania
48.0	4.00	4.00
49.0	2.05	2.66
50.0	4.00	4.00
51.0	2.35	1.29
52.0	4.00	4.00
53.0	3.84	3.40
54.0	4.00	3.55
55.0	2.76	2.10
56.0	1.70	1.54
57.0	4.00	4.00
58.0	2.32	2.12
59.0	3.70	3.77
60.0	3.65	3.88
63.0	2.46	1.63
64.0	3.73	3.79
65.0	3.92	4.00
66.0	4.00	4.00
67.0	4.00	1.68
68.0	2.68	2.89
69.0	4.00	2.95
70.0	4.00	2.68
71.0	2.59	1.19
72.0	2.84	3.49
73.0	2.41	3.07
75.0	3.92	3.99
76.0	2.11	2.27
77.0	3.95	4.00
78.0	2.65	3.94
79.0	3.86	4.00
80.0	4.00	4.00
81.0	4.00	3.44
82.0	2.27	3.63
83.0	3.97	4.00
84.0	3.97	3.57
85.0	3.03	4.00
86.0	2.19	2.19
87.0	3.65	4.00
88.0	4.00	3.94
89.0	1.76 2.19	1.99
90.0		2.49
91.0	2.30	2.45
93.0	4.00	4.00
94.0	3.95	3.88
95.0	2.27	2.14
96.0	2.51	3.00
97.0	2.51	2.84
98.0	3.89	3.97
99.0	3.84	3.91

Burial #	Crania Post-Crania		
100.0	4.00 4.00		
101.0	1.84	1.23	
102.0	4.00	4.00	
103.0	4.00	3.01	
104.0	3.41 2.35		
105.0	3.81	2.81	
105.1	3.95	3.89	
106.0	3.54	3.47	
107.0	2.19	1.48	
108.0	3.11	3.02	
109.0	3.97	4.00	
110.0	3.95	4.00	
111.0	3.89	3.93	
112.0	3.92	3.97	
113.0	3.97	3.98	
114.0	3.05	2.46	
115.0	2.46	2.77	
116.0	3.16	2.39	
117.0	3.86	3.80	
118.0	4.00	4.00	
119.0	2.81	3.15	
120.0	2.57	3.70	
121.0	3.41	3.97	
122.0	2.19	1.19	
123.0	3.84	4.00	
124.0	3.70	4.00	
125.0	4.00	3.74	
126.0	3.30	3.48	
127.0	3.95	4.00	
128.0	3.84	3.94	
130.0	3.11	3.13	
131.0	4.00	4.00	
132.0	3.70	2.67	
133.0	3.41	3.08	
134.0	2.68	2.34	
135.0	2.32	1.33	
136.0	4.00	4.00	
137.0	3.89	3.34	
138.0	2.46	1.42	
142.0	2.30	3.44	
143.0	2.73	3.52	
144.0	4.00	3.82	
146.0	3.59	3.43	
147.0	2.54	2.30	
148.0	3.11	3.66	
149.0	3.95	3.90	
150.0	2.51	2.37	
151.0	2.62	2.03	
151.0	2.02	2.03	

Durial #	Crania	Post-Crania
Burial #		
152.0	4.00	4.00
153.0	2.92	3.73
154.0	2.00	1.65
155.0	4.00	3.63
156.0	4.00	3.49
157.0	4.00	3.90
158.0	2.35	1.26
159.0	2.78	3.20
160.0	3.08	4.00
162.0	3.84	3.41
163.0	4.00	3.65
164.0	3.76	3.12
165.0	3.35	2.87
166.0	3.68	3.50
167.0	2.51	3.85
168.0	4.00	3.42
169.0	3.54	3.85
170.0	4.00	3.84
171.0	2.43	1.55
172.0	3.78	2.67
173.0	3.81	3.90
174.0	2.41	2.35
175.0	2.70	2.43
176.0	2.86	2.43
177.0	2.92	3.48
178.0		3.74
	4.00	
179.0	2.03	1.39
180.0	2.35	2.07
181.0	4.00	2.50
182.0	3.68	3.94
183.0	3.54	4.00
184.0	4.00	3.38
185.0	1.95	2.49
186.0	2.92	3.21
187.0	2.78	1.63
188.0	4.00	3.80
189.0	4.00	3.93
190.0	2.97	3.35
191.0	2.70	2.38
192.0	2.86	3.34
193.0	2.81	2.83
194.0	3.43	2.90
195.0	2.86	1.29
196.0	2.49	2.38
197.0	2.35	1.85
198.0	4.00	4.00
199.1	2.62	2.53
199.2	4.00	3.91
200.0	2.05	3.25
201.0	3.78	4.00
202.0	2.89	3.49
203.0	3.81	3.80
204.0	4.00	3.85
207.0	7.00	5.05

Burial #	Crania	Post-Crania
205.0	2.57	1.18
207.0	2.43	3.07
208.0	4.00	3.80
209.0	2.84	2.30
210.0	2.16	1.16
211.0	4.00	4.00
212.0	3.95	3.56
213.0	3.00	2.83
214.0	2.30	2.23
215.0	3.97	3.77
216.0	3.11	3.63
217.0	4.00	2.79
218.0	4.00	4.00
219.0	3.78	3.37
220.0	4.00	4.00
221.0	2.05	2.65
222.0	4.00	3.18
223.0	2.41	1.26
224.0	3.19	3.91
225.0	3.32	2.13
226.0	3.95	4.00
227.0	3.70	3.77
228.0	4.00	3.55
229.0	2.62	3.43
230.0		2.12
233.0	2.24	
234.0	4.00 3.95	4.00
234.0		4.00
	2.24	1.76
236.0	3.16	3.88
237.0	4.00	3.91
238.0	2.27	1.80
239.0	3.00	3.73
240.0	4.00	3.99
241.0	2.62	1.57
242.0	1.65	1.40
243.0	2.00	1.27
244.0	3.54	2.51
245.0	3.38	3.64
247.0	2.54	3.18
248.0	4.00	3.73
249.0	4.00	4.00
250.0	3.84	3.95
251.0	3.08	3.50
252.0	2.97	2.48
253.0	2.65	2.55
254.0	3.05	3.82
255.0	4.00	4.00
256.0	2.41	2.34
257.0	2.92	1.66
258.0	4.00	4.00
259.0	3.05	2.26
260.0	3.95	3.93
262.0	2.05	1.52

Burial #	Crania	Post-Crania
264.0	4.00	3.99
265.0	3.95	4.00
266.0	2.76	1.98
267.0	3.43	3.59
268.0	3.89	3.70
269.0	3.32	3.94
270.0	2.76	3.01
271.0	2.43	2.70
272.0	4.00	4.00
273.0	4.00	3.98
274.0	2.84	3.93
275.0	4.00	3.92
276.0	2.76	1.59
277.0	4.00	3.93
278.0	2.49	1.37
279.0	4.00	3.52
280.0	4.00	3.82
281.0	2.95	3.93
282.0	1.81	2.79
283.0	3.76	3.98
284.0	2.30	2.82
285.0	2.27	1.68
286.0	3.00	2.60
287.0	4.00	2.87
288.0	4.00	3.96
289.0	2.86	3.42
290.0	3.00	3.46
291.0	3.95	4.00
292.0	4.00	3.99
293.0	4.00	3.84
294.0	3.78	4.00
295.0	3.46	3.80
297.0	4.00	3.27
298.0	3.73	4.00
299.0	2.22	1.84
300.0	3.89	4.00
301.0	4.00	3.93
302.0	4.00	3.71
303.0	3.97	4.00
304.0	3.81	4.00
305.0	2.57	3.26
306.0	1.97	2.40
307.0	3.81	3.88
308.0	3.78	3.95
309.0	4.00	3.95
310.0	2.27	2.01
310.0	3.81	3.90
311.0		3.37
313.0	3.16	1.94
313.0	2.70	
	2.46	2.79
315.0	2.43	2.08
316.0	2.62	1.82
317.0	4.00	3.87

Burial #	Crania	Post-Crania
318.0	4.00	3.98
319.0	4.00	3.77
320.0	3.92	4.00
	3.92	3.93
321.0		
322.0	4.00	3.55
323.0	2.08	1.54
324.0	3.14	2.09
325.0	2.68	2.24
326.0	2.38	1.33
327.0	2.38	2.36
328.0	1.81	1.94
329.0	2.35	2.14
329.1	4.00	3.80
330.0	3.00	4.00
331.0	3.27	4.00
332.0	2.65	3.02
333.0	2.78	1.91
334.0	4.00	4.00
335.0	2.57	1.37
336.0	3.97	4.00
337.0	2.51	1.46
338.0	2.43	3.16
339.0	4.00	4.00
340.0	2.65	3.05
341.0	2.38	2.66
342.0	2.16	1.27
343.0	2.03	1.74
344.0	2.49	3.91
345.0	2.84	3.96
346.0	3.16	3.23
347.0	3.95	4.00
348.0	3.27	3.77
349.0	4.00	3.95
350.0	3.84	3.79
351.0	2.51	2.41
352.0	3.35	3.27
353.0	2.27	2.15
354.0	1.86	1.80
355.0	4.00	4.00
356.0	3.76	3.73
357.0	2.89	3.03
358.0	4.00	3.91
360.0	4.00	4.00
		3.21
361.0	2.16	3.41
362.0	2.86	3.98
363.0	2.43	2.00
364.0	3.78	3.13
365.0	4.00	3.57
366.0	2.70	2.06
367.0	3.89	4.00
368.0	2.38	1.67
369.0	1.86	1.24
370.0	3.95	3.98

Burial #	Crania Post-Crania	
371.0	2.35	3.05
372.0	3.89	4.00
373.0	2.24	3.48
374.0	3.30	3.70
375.0	2.95	2.99
376.0	2.30	2.16
377.0	2.81	3.52
379.0	2.05	1.32
380.0	1.97	1.86
382.0	3.54	3.72
383.0	1.59	1.59
384.0	1.70	3.46
385.0	1.95	1.43
386.0	2.78	3.59
387.0	2.27	2.76
388.0	2.57	3.18
389.0	2.65	3.13
390.0	4.00	3.81
391.0	3.03	2.26
391.1	4.00	3.80
392.0	2.97	1.98
393.0	2.68	3.40
394.0	4.00	3.75
395.0	2.54	2.41
396.0	3.46	1.66
397.0	2.78	2.30
398.0	3.73	3.94
399.0	3.03	3.12
400.0	2.84	2.91
401.0	4.00	4.00
402.0	4.00	4.00
403.0	2.05	4.00
404.0	3.95	3.85
405.0	2.76	3.07
406.0	2.76	2.66
407.0	4.00	4.00
408.0	4.00	3.87
409.0	4.00	4.00
410.0	4.00	3.43
412.0	3.65	4.00
413.0	2.84	2.52
414.0	2.84	2.46
415.0	3.19	3.04
416.0	4.00	3.60
417.0	3.89	3.78
418.0	2.84	2.32
419.0	2.19	1.66
420.0	3.81	3.15
420.1	4.00	3.98
420.2	4.00	3.80
423.0	4.00	4.00
424.0	4.00	4.00
426.0	4.00	4.00

Burial #	Crania	Post-Crania
427.0	2.97	2.20
428.0	2.41	3.08
429.0	4.00	4.00
430.0	4.00	4.00
431.0	4.00	3.95
432.0	4.00	4.00
433.0	4.00	4.00
434.0	4.00	4.00
435.0	4.00	4.00
436.0	4.00	4.00