

Jerry Melbye Ph.D.
Research Professor
www.jerrymelbye.com
Center for Human Identification
Laboratory of Forensic Anthropology
University of North Texas
760-251-3111 Cell: 760-673-8835
Curriculum Vitae

Education

BA-University of Washington, Anthropology
MA-State University of New York at Buffalo, Anthropology, Thesis: "An Analysis of the Infracranial Material from the Orchid Site"
PhD-University of Toronto, Anthropology, Dissertation: "An Analysis of a Late Woodland Population in the Upper Great Lakes"

Professional Experience

Academic Posts

- 2009-present: Research Professor
Center for Human Identification
Laboratory of Forensic Anthropology
University of North Texas
- 2006 – 2009: Texas State University San Marcos/Tenured Professor -
Anthropology
- 2004 – 2006: Texas State University San Marcos/Visiting Professor –
Anthropology
- 1969 – 2002: University of Toronto, Canada / Professor, Anthropology

Citizenship: Dual citizen of Canada and the United States

Abstract

Jerry Melbye has had and still enjoys a distinguished career of over 3 decades of teaching and research in the field of forensic science and anthropology. Dr. Melbye's research interests include paleopathology and forensic anthropology with field work experience in Ontario, Labrador, The Yukon, American Southwest and Midwest, Egypt and Mexico. He is a Diplomate of the American Board of Forensic Anthropology and a Fellow of the American Academy of Forensic Sciences. Within the AAFS, over the years Jerry has served as Section Chair, Section Secretary and has sat on four Academy wide committees. He has aided police forces in the U.S. and Canada for more than 30 years in identifying human remains, providing them with information leading to the apprehension of killers in dozens of murder cases. His work has been featured on Discovery Canada, the Discovery Health Channel as well as national and international venues.

Melbye taught at the University of Toronto at Mississauga for 32 years, retiring in 2001. While at UTM Melbye was instrumental in developing the first B.S. program in Physical Anthropology and in the early 1990's went on to develop the first B.S. forensic science program in Canada. Officially, Melbye has directed 30 successful Ph.D. graduates, while serving on an additional 46 Ph.D. committees, and has supervised 54 Master's theses. His doctoral students compose the majority of human osteologists in Canada. Following his retirement from the University of Toronto, Jerry began a new teaching position at Texas State University at San Marcos, where he revamped the M.A. curriculum in forensic anthropology studies and served as Founding Director of F.A.C.T.S. (Forensic Anthropology Center at Texas State) and developed an Outdoor Human Decomposition Research Facility which sits on 20 acres of hill country just west of Texas State University. He is currently a Research Professor in the Center for Human Identification-Laboratory of Forensic Anthropology at the University of North Texas. His expertise includes age at death, sex, ancestry, stature and the recognition of unique features such as physical characteristics and pathological conditions on the human skeleton. Melbye belongs to many professional organizations such as the American Academy of Forensic Sciences, the American Board of Forensic Anthropology, the International Association for Identification, the Texas Division of the International Association for Identification (TDIAI), the Mountain, Desert, and Coastal Forensic Anthropology Society, Homicide Investigators of Texas, Inc. (HIT), the Paleopathology Association, the Canadian Association for Physical Anthropology, and is a member of the Round Table Group of Expert Witnesses headquartered in Washington, DC. Jerry's current research includes mummies of the world and the excavation of a Spanish galleon embanked in sand off the coast of Chile.

- 21 referred publications
- 90 non-refereed publications
- 150+ presentations to professional organizations
- 100+ forensic case reports involving human skeletal remains
- Directed 30 successful Ph.D. graduates, served on an additional 46 Ph.D. committees
- Supervised 54 successful Master's theses

Past and Present Professional Positions Held

- Research Professor – Center for Human Identification; Laboratory of Forensic Anthropology - University of North Texas 2009 – present
- Scientific Consultant – American Exhibitions Inc. 2010 – present
- Scientific Consultant – Detroit Science Center – Accidental Mummies of Guanajuato 2009 – present
- Forensic Consultant to the city of Guanajuato – Guanajuato Mummy Research Project 2006 - 2008
- Founding Director-Forensic Anthropology Center at Texas State (FACTS) 2006-2008, Texas State University San Marcos
- Founding Director-Forensic Anthropology Research

- Facility Outdoor Human Decomposition Station 2006-2008, Texas State University San Marcos
- Professor of Anthropology – Texas State University San Marcos
 - Member of the Faculty Senate – Texas State University San Marcos
 - Faculty-in Residence: 2007-2009, Brogdon Hall, Texas State University San Marcos
 - Forensic Anthropologist: 2007 – 2009, San Saba County, Texas
 - Forensic Anthropologist - 2007 – 2009, Collin County, Texas
 - Professor Emeritus – as of 2001, University of Toronto
 - Professor of Physical Anthropology and Forensic Science - University of Toronto/Ontario, Canada
 - Forensic Science Program Director - University of Toronto at Mississauga/ Ontario, Canada
 - Associate Chair of Anthropology - University of Toronto
 - Executive Committee Member – American Association of Physical Anthropology
 - Departmental Associate Chair, Dept. of Anthropology – University of Toronto at Mississauga
 - Consultant to the Office of the Chief Coroner, Toronto, Ontario
 - Chairman of the Medical, Odontology, and Anthropology Section - Canadian Society of Forensic Science
 - Secretary, Physical Anthropology Section - American Academy of Forensic Sciences (AAFS)
 - Chair, Physical Anthropology Section – American Academy of Forensic Sciences (AAFS)
 - Executive Committee Member – American Academy of Forensic Sciences (AAFS)
 - Chairman, PhD Defense, School of Graduate Studies - University of Toronto
 - Member/Nominations Committee, American Academy of Forensic Sciences (AAFS)
 - Chair, Forensic Anthropology Section - International Association of Forensic Sciences
 - Member, Counsel on Forensic Science Education – American Academy of Forensic Sciences (AAFS)
 - President - Canadian Association for Physical Anthropology
 - Member of the Review Panel - Investigations in the former Yugoslavia (United Nations)
 - Consultant, Forensic Pathology Branch - Office of the Chief Coroner of Ontario
 - Member , Advisory Board - Center of Forensic Sciences (Ontario)

Board Certifications

Certified Forensic Anthropologist: March 30, 1997: Diplomate-American Board of Forensic Anthropology (*by examination*). Certificate #55

Current Membership - Professional Organizations / Societies

- American Academy of Forensic Sciences, Fellow
- American Board of Forensic Anthropology, Diplomate
- International Association for Identification
- Texas Division of the International Association for Identification (TDIAI)
- Mountain, Desert, and Coastal Forensic Anthropology Society
- Homicide Investigators of Texas, Inc. (HIT)
- Paleopathology Association
- Canadian Association for Physical Anthropology
- The Round Table Group of Expert Witnesses, Washington, DC

Television Productions

Skeleton Stories – Atlas Media Corp – Discovery Health Channel

- Deadly Designs
- Head First

The Secrets of Forensic Science – Discovery Channel

- The Danforth Lady
- My Brother's Keeper

Editorial / Review

- *International Journal of Osteoarchaeology*, 2009/Killam, Edward W
The Detection of Human Remains (2nd Edition) Charles C. Thomas Pub
- *Methods in Forensic Anthropology*, Krista Latham, Ph.D., 2009
- *International Journal of Osteoarchaeology*, 2009/Killam, Edward W
The Detection of Human Remains (2nd Edition) Charles C. Thomas Pub

Awards

- Eve Cockburn Mentorship Award, Paleopathology Association 2010
- Texas State University San Marcos-Dean's Excellence Award for Teaching 2008
- Texas State University San Marcos-Dean's Excellence Award for Teaching 2007
- Texas State University San Marcos-Grants and Development/Highest Level of Development Program Funding for Fiscal Year 2007
- Panhellenic-Professor Appreciation Nominee
- University of Toronto-various academic awards from 1970-2002

Graduate Courses Taught

ANTH 5375 Techniques in Forensic Anthropology
ANTH 5378 The Skeleton in Forensic Medicine
ANTH 5374O Paleopathology
ANTH 5340 Paleoanthropology
ANTH 5343 Human Variation and Adaptation
ANTH 5399 Thesis
ANT 1000Y Modern Trends in Physical Anthropology
ANT 1001Y Pro-seminar in Physical Anthropology
ANT 1008Y Paleopathology
ANT 1010Y Human Osteology and Odontology
ANT 1016Y Physical Anthropology of Northeastern North Am.
ANT 1157Y Research Seminar
ANT 3010H Human Osteology
ANT 3439Y Forensic Anthropology
JAS 1082Y Demography and Paleodemography
ANT 1016Y Physical Anthropology and Archaeology of Ontario
ANT 1017Y Paleonutrition
ANT 1008Y Demography and Paleodemography
ANT 4349Y Advanced Seminar in Forensic Anthropology

Undergraduate Courses Taught

ANTH 3380 Forensic Anthropology
ANTH 3381 Forensic Osteology
ANTH (WI) 4381 Paleopathology
ANTH 4382 Forensic Techniques
ANTH (WI) 4383 Forensic Identification
US 1100 University Seminar
ANTH 3340 Human and Primate Origins
ANTH 3343 Human Variation and Adaptation
ANTH 3344 Forensic Anthropology & Osteology
ANTH 3362 Techniques in Forensic Anthropology
ANTH 3375S Forensic Identification
ANTH 4360 Directed Study/Independent Study Courses
FSC 239Y Forensic Science
ANT 100Y Introduction to Anthropology
ANT 203Y Physical Anthropology
ANT 228H Archaeological Fieldwork
ANT 229H Archaeological Laboratory Analysis
ANT 231H Laboratory Methods in Physical Anthropology
ANT 300H Man Through Time
ANT 334Y Skeletal Biology
ANT 336H Human Heredity, Evolution and Variation
ANT 397H Independent Study

ANT 398Y Independent Reading
ANT 399Y Independent Research
ANT 430Y Special Problems in Physical Anthropology
ANT 433H Paleodemography
ANT 434H Paleopathology
ANT 439Y Forensic Anthropology
ANT 499Y Advanced Independent Research
INE 350H Seminar in Material Culture
75-208 Fundamentals of Human Biology (University of Guelph)
3180.06 Human Evolution and Physical Anthropology (York University)

Thesis Supervisor/MA students (since 2004)

2009 – Carly Shattuck: An Analysis of Decomposition Rates on Outdoor Surface Variations in Central Texas

2009 - Kristina Gavit: Estimating Sexual Dimorphism from Sternal Rib Ends

2009 - Elizabeth Brandt: Stature Wars: Which Stature Estimation Methods are Most Applicable to Modern Populations?

2008 - Paulyann Enwere: Taphonomy of Child-sized Remains in Shallow Grave and Surface Deposit Scenarios

2007 - Jessica Lyles: The Role of Red Imported Fire Ants (*Solenopsis invicta*) on Decomposition Rate and Post Mortem Interval (PMI)

2007 - Margaret Hyder: A Study on the Rate of Decomposition of Carrion in Closed Containers Placed in a Shaded Area Outdoors in Central Texas

2007 - Olivia Alley: Aquatic Decomposition in Chlorinated and Freshwater Environments

2007 - Adam Richard: Battered and Burned: An Investigation into the Identification of Blunt Force Trauma Fractures to the Ribs in Burned Remains

2007 - Terrie Simmons: Bioarchaeological analysis of human skeletal remains from Bee Cave

2007 - Katherine Chapman: When the Bullet Hits the Bone: Patterns in Gunshot Trauma to the Infracranium

2005 - Daniel Jackson: An Investigation into Identifying Sharp Force Trauma on Burned Bones

2005 - Christine Alvarez: Bioarchaeological Investigation of Human Skeletal Remains at The Stiver Ranch Burial Sinkhole (41KM140)

Partial list of Ph.D. Candidates Supervised

1996-99 Kathy Russell "Forensic Anthropology"

1995-02 Sherry Fukuzana, Ph.D. "A Longitudinal Examination of Heritability in the Developing Dental Arcade."

1995- Amy Maish "Skeletal Biology of Ancient Egyptian Populations"

1995-98 Kenneth Winland "Cancer in Prehistoric Populations"

1991-97 Susan Jimenez "A New Estimate of Time Since Death in Forensic Anthropology: Citrate Analysis"

1991-01 Mario Castro, Ph.D. Paleopathology of the Temporal Bone in Chilean Populations"

1990-91 Cathi Ripley "Paleodemography of a Moravian Population."

1990-00 Antonietta Cerroni, Ph.D. "A Primate Model of the Pathology, Epidemiology and Evolution of Diseases Affecting the Skeleton: The Rhesus Macaques of Cayo Santiago."

1987-93 Scott Fairgrieve, Ph.D. "Amino Acid Residue Analysis of Type I Collagen in Human Bone: An Assessment of Porotic Hyperostosis in an Ancient Skeletal Sample."

1986-91 Christine White, Ph.D. "Lifespan Reconstruction of Diet in Three Ancient Nubian Populations."

1986-99 Kathy Gruspier, Ph.D. "Weaning Age in Southern Ontario Iroquois Skeletal Populations: Quantification of Dental Attrition."

1984-86 Michèle Julien "Paleodiet Study among Eastern Arctic Populations of the Early Historic Period."

1980-88 Moheb Shaaban, Ph.D. "Paleodemography of a Pre-Roman population from El-Dakhleh, Egypt: Evidence from the Skeletal Remains at Site 31/435.D5.2."

1980-82 Mark Fagan "Computer Simulations of Biological Distance."

1979-82 John Kolar, Ph.D. "Hungry Hall and the Late Woodland Populations of the Upper Great Lakes."

1979-87 Charles Street "Congruence of Estimates of Biological Distance Obtained from Metric and Non-metric Crania Variation."

1977-84 Elizabeth Salter, Ph.D. "Skeletal Biology of the Cumberland Sound, Baffin Island, Northwest Territories."

1976-89 Norman Sullivan, Ph.D. "On a Darkling Plain: A Study of the Demographic Crisis of the Huron Indians."

1976-85 Gary Heathcote, Ph.D. "The Patterning of Craniometric Variation among Recent Human Skeletal Samples from the Western Arctic and Subarctic of North America: An Exploratory Analysis."

1976-81 Moira McLaughlin "Prehistoric Peoples of the Maritime Archaic."

1976-83 Anne Katzenberg, Ph.D. "Chemical Analysis of Prehistoric Human Bone from Five Temporally Distinct Populations in Southern Ontario."

1976-77 Christopher Koch, Ph.D. (1986 under other Supervisor)

1976-77 Eric Roth, Ph.D. (1980 under other Supervisor)

1974-80 David Patterson, Ph.D. (1982 under other Supervisor)

1973-77 Shelley Saunders, Ph.D. "The Development and Distribution of Discontinuous Morphological Variation of the Human Infracranial Skeleton."

1972-80 Eldon Molto, Ph.D. "Biological Relationships of Southern Ontario Woodland Peoples: The Evidence of Discontinuous Cranial Morphology."

1972-76 Susan Pfeiffer, Ph.D. "The Skeletal Biology of Archaic Populations of the Great Lakes Region."

1972-73 Michael Gates, Ph.D. (1976 under other Supervisor)

1971-78 Edson Way, Ph.D. "An Osteological Analysis of a Late Thule-Early Historic Labrador Eskimo Population." (Surrogate Supervisor)

1970-75 Sonja Jerkic, Ph.D. "An Analysis of Huron Skeletal Biology and Mortuary Practices: The Maurice Ossuary." (Surrogate Supervisor)

Partial List of Completed MA Theses previous to Texas State University

- 1990-91 Susan Jimenez, MA (External Examiner for McMaster (University) "The Paleopathology from the St. Thomas Anglican Cemetery, Belleville, Ontario"
- 1987-91 Grant Mullen MA (Supervisor) "Human Osteology of the Warminster Site (BdGv-1) Ossuary."
- 1987-88 Kate McFadden MA (Supervisor) "Skeletal Analysis of Mound E, Serpent Mounds Site."
- 1985-86 Jennifer Thompson, MA (External Examiner for Trent University) "A Paleodemographic Analysis of the East African Plio-Pleistocene Hominidae."
- 1980-82 Mary Tivey, Master of Museology (Royal Ontario Museum) "Human Skeletal Remains as Artifacts."
- 1979-80 Brenda Kennedy, MA (External Examiner for Memorial University of Newfoundland). "Marriage Patterns in an Archaic Population."
- 1978-79 Richard Forsyth, MA (Internal Appraiser) "Galago Locomotion."
- 1977-79 Linda Altuna, M.Phil. (Internal Appraiser) "Burial Practices of the Great Lakes Region During Middle Woodland Times."
- 1976-77 Bernadette Laqueur, Master of Museology (Royal Ontario Museum) "Archaeology and the Blind."
- 1976-77 Carolyn Hodych, MA (External Examiner for Memorial University of Newfoundland) "An Investigation of the Lamellae in Human Acellular Cementum as a Possible Means of Determining Biological Age."
- 1971-72 Elizabeth Salter, Master of Museology (Royal Ontario Museum) "Seventeenth Century Huron, Neutral and Algonkian Ossuaries in Ontario."
- Ph.D. Dissertation Committees (non-Supervisees)
- 1998-99 Stacy Burk, Ph.D. "A Home, A Husband and Now a Baby: The Implications of Premarital Conception in Gibraltar, 1960-1996"
- 1998-99 Henry Choong, Ph.D. "The Effects of Short-term Localized Changes on the Decline of Tuberculosis Mortality in Gibraltar, 1860-1967"
- 1995-01 Sabrina Agarwal, Ph.D. "The Influence of Age and Sex on Trabecular Architecture and Bone Mineral Density in Three British Historical Populations"

- 1991-92 Kevin Leonard, Ph.D. "Micmac Ideology as Expressed in Mortuary Practice"
- 1989-90 Margaret Newman, Ph.D. (Internal Appraiser) "The Hidden Archaeology of Hidden Cave"
- 1989-90 Steve Monckton, Ph.D. (Internal Appraiser) "Huron Paleoethnobotany"
- 1985-86 Karen McCullough, Ph.D. (Internal Appraiser) "The Ruin Island Phase of Thule Culture."
- 1985-86 Chris Koch, Ph.D. "The Vertebrate Taphonomy and Paleoecology of the Olorgesailie Formation (Middle Pleistocene, Kenya)."
- 1985-86 Dominic Spano, Ph.D. "A Re-Examination of the Jewish Advantage in Gibraltar:
A Life Table Analysis of Morality Differentials Resulting from Religious and Ethnic Diversity."
- 1984-85 Donald Brown, Ph.D. (Internal Appraiser) "Socio-Cultural Development and Archaeological Cultural Patterning on the Lower Great Lakes Frontiers on New France."
- 1982-83 Ray Le Blanc, Ph.D. "The Rat Indian Creek Site and the Late Prehistoric Period in the Interior Northern Yukon."
- 1981-83 Moyra Brackley, Ph.D. (Internal Appraiser) "Polymorphism of Serum Paraoxon Hydrolysing Activity in a Canadian Jewish Sample."
- 1981-82 Wayne Rhodes, Ph.D. (Internal Appraiser) "Differential Fertility in *Macaca sylvanus* of Gibraltar"
- 1981-86 Tim Bromage, Ph.D. "A Comparative Scanning Electron Microscope Study of Facial Growth and Remodeling in Early Hominids."
- 1980-81 Mima Kapches, Ph.D. (Internal Appraiser) "The Middleport Pattern in Ontario Prehistory."
- 1980-86 Patrick Mehlman, Ph.D. "Population Ecology of the Barbary Macaque (*Macaca sylvanus*) in the Fir Forest of the Ghomara, Moroccan Rif Mountains."
- 1979-83 Clark Sykes, Ph.D. (Internal Appraiser) "An Archaeological and Ethnohistorical Analysis of Huron Intra-community Exchange Systems."
- 1979-81 Deborah Patterson "Quantitative Genetics of Human Metacarpal and Phalangeal Length."
- 1979-80 Randall White, Ph.D. "The Upper Paleolithic Occupation of the Perigord."

- 1978-82 Susan Hornshaw, Ph.D. "Comparative Spatial Behavior."
- 1978-80 George Ellis "Context and Variation in Bonnet Macaque Vocalization."
- 1978-79 Leigh Field, Ph.D. "Immunoglobulin Allotypes in Jewish Populations."
- 1978-79 Robert Coffin, Ph.D. "Attention Structure and Social Organization in Three Groups of Vervet Monkeys."
- 1978-80 Marion Binkley, Ph.D. (Internal Appraiser)
"Bio-Cultural Implications of Outport Life."
- 1977-80 Eric Roth, Ph.D. (Internal Appraiser) "Historic Demography and Population Structure of a Subarctic Isolate."
- 1977-78 Lawrence Sawchuk, Ph.D. (Internal Appraiser) "Fertility Differential Among the Sephardic Jews of Gibraltar."
- 1976-80 Richard Doble "A Study of Variation in African Populations."
- 1976-78 Patrick Hartney, Ph.D. (Internal Appraiser) "Paleopathology of Archaeological Aboriginal Populations from Southern Ontario and Adjacent Regions."
- 1975-77 Robert Goldstein, Ph.D. "The Anthropometry of Distension."
- 1975-76 Martha Latta, Ph.D. (Internal Appraiser) "The Iroquoian Cultures of Huronia."
- 1974-75 James Ireland "Demography and Physical Anthropology: A Case Study of the Nahuat of Mexico."
- 1974-75 Peter Ramsden, Ph.D. (Internal Appraiser) "A Refinement of Some Aspects of Huron Ceramic Analysis."
- 1972-73 Steven Gabow, Ph.D. "Role Analysis and the Social Structure of a Rhesus Monkey Group."
- 1972-79 Lawrence Williams, Ph.D. "A Macrophotogrammetric Analysis of Pongid Molar Morphology."
- 1971-78 Anne Zeller, Ph.D. "Film Analysis as a Field Technique: A Study of Communication in *Macaca sylvanus* of Gibraltar."
- 1970-77 Dean Knight, Ph.D. (Internal Appraiser) "The Montreal River and the Shield Archaic."

1969-77 Mary Jackes, Ph.D. (Internal Appraiser) "The Huron Spine"

Chairman, School of Graduate Studies, Final Ph.D. Oral Examination

1999 Noulmook Sutdhibhasilp, Ph.D. (Economics) "Environmental Adult Education: Two Case Studies of Thai Non-Governmental Organizations Promoting Green Consumerism"

1997 Wendy Barrett, Ph.D. (Art History) "World Hypotheses as Epistemologies of Perception: Metaphysical Problems of Abstract Art in the Public Eye"

1996 Grace Bunyi, Ph.D. (Education) "Language , Education and Social Selection in Kenya: An Ethnographic Study of Two Schools."

1995 Cecile Santhiapillai, Ph.D. (Education) "The Predictors of Smoking Cessation Among Youth."

1992 Chenghu Ma, Ph.D. (Economics) "Two Essays on Intertemporal Asset Pricing and Recursive Utility."

1990 Karen Swift, Ph.D. (Faculty of Social Work) "Creating Knowledge: A Study of the Production of Knowledge about Child Neglect."

Professional Consultancies Past and Present

- University of North Texas – Outdoor Forensic Decomposition Facility
- American Exhibitions Inc./Forensic Science Consultant/Mummies of the World
- Detroit Science Center/Forensic Science Consultant/Accidental Mummies
- The Round Table Group/Academic Forensic Anthropology Expert
- Medical Examiners, Coroners, District and County Attorneys, Police and Sheriff's agencies throughout Canada and Texas
- Consultant to the Office of the Chief Coroner/Toronto, Ontario/Canada
- Royal Canadian Mounted Police-Canada
- Federal Bureau of Investigation
- DMORT Region VI (National Disaster Mortuary Response Team) U.S. Public Health Service
- Texas Department of Public Safety
- Texas Rangers
- Consultant to the Mayor of Guanajuato, Mexico

Presentations/Publications/Workshops/Symposia

Presentations

2010 Melbye, Jerry PhD. "The Future of Forensic Anthropology", Mountain Desert and Coastal 30th Annual Forensic Anthropology Meetings, Boulder City, NV

2009 Melbye, Jerry PhD, Hamilton, Michelle PhD. "Creating an Open-air Forensic Anthropology Human Decomposition Research Facility", American Academy of Forensic Sciences Annual Meetings, Denver, CO.

2009 Glen C. Rains, PhD*; Ben Alexander, MS; Jeffery K. Tomberlin, PhD; Jerry Melbye, PhD, American Academy of Forensic Sciences Annual Meetings, Denver, CO. Comparison of Biological Sensors to Detect Human Remains: Canine Versus Hymenopteran,

2009 Hamilton, Michelle PhD, Melbye, DABFA, FAAFS, PhD, "Going Green: Environmentally Sound Practices in Human Decomposition Research and Laboratory Settings" American Academy of Forensic Sciences Annual Meetings, Denver CO.

2009 Parks, Connie BA, Brandt, Elizabeth BS, Melbye, Jerry PhD, Hamilton, Michelle, PhD, Pechal, Jennifer, MA, Tomberlin, Jeffery PhD, "A Study of the Human Decomposition Sequence in Central Texas". American Academy of Forensic Sciences Annual Meetings, Denver, CO.

2009 Pechel, Jennifer MA, Parks, Connie BA, Brandt, Elizabeth BS, Melbye, Jerry PhD, "The First Study of Insect Succession on a Cadaver in Texas". American Academy of Forensic Sciences Annual Meetings, Denver, CO.

2008 Melbye J., "Dead Men Do Tell Tales" The Association of Forensic DNA Analysts and Administrators (AFDAA), Texas Department of Public Safety (DPS) Headquarters, Austin, TX (National venue)

2008 Asiabanpour, B., Melbye, J., Jensen, E., Shaw, J., "Freeform Fabrication Assists Forensic Scientists in the Identification of Unknown Victims", Solid Freeform Fabrication (SFF) Symposium, Austin, TX (National venue)

2008 Melbye, Jerry, "Forensic Anthropology Research Facility at Texas State University-San Marcos", University of Tennessee at Knoxville (National venue for training FBI agents)

2008 Melbye J., Hamilton M., Melbye V., The Uses for 3D Hand Held Laser Scanning in Forensic Anthropology, A Case Study, Mountain Desert and Coastal 28th Annual Forensic Anthropology Meetings, Lake Mead, NV

2007 Melbye, J., The Mummies of Guanajuato; Life and Death in a Mexican Silver Mining Village, Mountain Desert and Coastal 27th Annual Forensic Anthropology Meetings, Lake Mead, NV

2005 Melbye, J., The Julie Stanton Case, Mountain Desert and Coastal 25th Annual Forensic Anthropology Meetings, Lake Mead, NV

Previous to 2005

2001 A Personal Perspective on the Future of Forensic Anthropology, Human Identification Conference: Chico State University

1999 Forensic Science and Forensic Anthropology, International Association of Forensic Sciences

1998 Forensic Science: A New Academic Discipline, Canadian Perspectives

1997 Death on the Danforth, American Academy of Forensic Science

1996 Forensic Anthropology; Is It Really Anthropology? Canadian Association of Physical Anthropologists

1996 A Case of a Bear Attack, Eastern Society of Forensic Science

1996 An Osteology Workshop, Canadian Society of Forensic Science

1996 Contributions of Forensic Anthropology, Regional Coroner's Pathology Conference

1996 Forensic Anthropology and the Crime Scene, Canadian Identification Conference (Police)

1995 The Occult in Southern Ontario: A Witch Hunt? Education and Experience in Forensic Anthropology: What Is Needed? Canadian Society of Forensic Science (2 papers)

1994 The Butcher of Gloucester Street, Midwest Bioarchaeology Conference

1993 : Forensic Anthropology: The Application of Science to Criminal Investigations. Canadian Perspectives

1993 The Skeletal Biology of the Dorset Paleo-Eskimo: A Contribution to Northern Newfoundland, Canadian Association for Physical Anthropology

1993 The Integration of the Metal Detector with Standard Archaeological Recovery (Authors: Melbye and Jimenez), American Academy of Forensic Sciences

1990 A Re-Interpretation of Trauma, Canadian Association for Physical Anthropology

1988 Subadult Mortality and Bone Quality in the Kleinberg Ossuary (Authors: Saunders and Melbye), American Association of Physical Anthropologists

1987 Ossossané Revisited. (Authors: Melbye and Jimenez), Canadian Association for Physical Anthropology

1986 Human Osteology and Odontology, Canadian Association for Physical Anthropology, Symposium Chairman

1986 Possible Evidence of Mutilation and Cannibalism in an Early Contact Site between Amerindian and Inuit. (Authors: Melbye and Fairgrieve), Paleopathology Association

1986 The Evidence for Violence at the Saunaktuk Site. (Authors: Melbye and Fairgrieve). Paper: New Data on the People of the Ball Site from the Late Ontario Iroquois Period. (Authors: Melbye and Mullen), Canadian Archaeological Association

1985 Mutilation and Cannibalism in the Canadian Arctic. (Authors: Melbye and Fairgrieve), Paleopathology Association

1985 Further Analysis of Stable Isotopes in Prehistoric Peoples of Southern Ontario. (Authors: Katzenberg, Melbye, Schwarcz and Knyf) Paper: Trauma in an Inuit Sample from Saunaktuk. (Authors: Melbye and Fairgrieve), Canadian Association for Physical Anthropology

1985 Paleopathology at the Kleinberg Ossuary, International Academy of Pathology

1985 Congenital Defects among the Prehistoric Ontario Iroquois, Paleopathology Association

1984 Biocultural Interpretations of Paleopathology among the Peoples of the Ontario Iroquois Tradition, Canadian Archaeological Association

1983 Analysis of Stable Isotopes of Carbon and Nitrogen in Prehistoric Southern Ontario Populations. (Authors: Schwarcz, Katzenberg, Knyf, and Melbye), XI International Congress of Anthropological and Ethnological Sciences

1983 Recent Advances in Biochemical Analysis of Human Skeletons, Canadian Association for Physical Anthropology

1983 Gravestone Data from an Ontario Cemetery: Applications to Paleodemography (Authors: Melbye and Katzenberg), Ontario Historical Society

1982 Recent Research in the Dakhleh Oasis Region, Egypt, Canadian Association for Physical Anthropology

1982 The Past Ten Years. Paper: Advances in the Contribution of Physical Anthropology to Archaeology in Canada: The Past Decade, Canadian Archaeological Association Plenary Session

1981 Dr. James E. Anderson: His Professional Years. The Fairty Site Revisited, Canadian Association for Physical Anthropology Festschrift Organizer

1981 Disease and Death at the Ball Site: Skeletal Biology, Ontario Archaeological Society

1980 Gravestone Data from an Ontario Cemetery: Applications to Paleodemography (with A. Katzenberg), Canadian Association for Physical Anthropology

1979 The Symbolisms of Mortuary Customs, Ontario Archaeological Society, Symposium on Symbolism

1979 A History of the Contributions of Physical Anthropology to Archaeology in Canada, Canadian Archaeological Association

1978 The Excavation of Human Remains, Canadian Archaeological Association

1978 Subadult Mortality at the Ossossane Ossuary (with N. Sullivan), Canadian Association for Physical Anthropology

1978 The Ontario Iroquois Ossuary: A Summary of 100 Years of Investigation (with J.E. Anderson), Canadian Archaeological Association

1977 Violence in Prehistoric Populations, Paleopathology Association

1977 A Human Mandible in Probable Association with a Pleistocene Fauna in Eastern Beringia, Canadian Association for Physical Anthropology

1977 Paleodemography: Some Problems and Some Solutions, Society for the Study of Human Biology (London, England)

1975 An Index of Violence as a Measure of Stress in Prehistoric Populations, Society for the Study of Human Biology (London, England)

1973 Burial Classification vs. Archaeological Inference, Canadian Archaeological Association

1968 Late Woodland Burial Mounds of Northern Wisconsin, Midwest Archaeological Association

1964 Middle Mississippian Burial Orientation, Midwest Archaeological Association

1963 Early Woodland Populations of Southern Illinois, Illinois Archaeological Survey

Publications

2009 The First Study of Insect Succession on a Cadaver in Texas, *Forensic Science International*; (Pechel, Jennifer MA, Parks, Connie BA, Brandt, Elizabeth BS, Melbye, Jerry PhD)

2009 Foreword: A Crime Solving Toolkit: Forensics in the Caribbean, Basil A. Reid, Editor

2001 Detection of Benzodiazepines in Different Tissues, Including Bone, Using a Quantitative ELISA Assay. *Journal of Forensic Sciences* 46: 916-918. (Gorczynski and Melbye)

1998 Death on the Danforth (Chapter 3). In *Case Studies in Forensic Osteology* ed. Scott Fairgrieve, Academic Press. (Melbye, et al)

1996 Chain of Custody from the Field to the Courtroom (Chapter 4). In *Forensic Taphonomy: The Post-Mortem Fate of Human Remains*, eds. W.D. Haglund and M.H. Sorg. CRC Press.

1995 Dr. James E. Anderson, 1926-1995: An Obituary. *The Connective Tissue* 11

1994 A massacre and possible cannibalism in the Canadian Arctic: New evidence from the Saunaktuk Site (NgTn-1). *Arctic Anthropology* 31: 55-77. (Melbye and Fairgrieve)

1993 The history of physical anthropology and the development of evolutionary thought in Canada. *Foundation for Different Approaches to the Study of Human Evolution*: Prague. (Authors: Melbye and Meiklejohn)

1990 Sub-adult mortality and skeletal indicators of health in Late Woodland Ontario Iroquois. *Canadian Journal of Archaeology* 14: 61-74 (Authors: Saunders and Melbye)

1987 The Human Osteology of the Gaetan Site (AjGx-44)

1985 Stable isotopes in human skeletons of southern Ontario: reconstructing paleodiet. *Journal of Archaeological Science* 12:187-206. (Authors: Schwarcz, Melbye, Katzenberg, and Knyf)

1985 Paleopathology of the Ontario Iroquois. *Canadian Journal of Anthropology* 4:9-12.

1985 Patrick Hartney (an obituary). *Canadian Journal of Anthropology* 4:v-vi. (Authors: Melbye and Reid).

1984 Recent Advances in Biochemical Analysis of Human Skeletons: the Collection and Preservation of Samples. Canadian Journal of Archaeology 9:127-133.

1983 Human remains from a Roman Period Tomb in the Dakhleh Oasis, Egypt: A preliminary analysis. The Journal of the Society for the Study of Egyptian Antiquities 13:193-201.

1983 Burial patterns at the Ball Site. Ontario Archaeology 40:37-48 (Authors: Knight and Melbye).

1983 The People of the Ball Site. Ontario Archaeology 40:15-36.

1982 Advances in the contribution of physical anthropology to archaeology in Canada. Canadian Journal of Archaeology 6:55-64.

1977 A human mandible in probable association with a Pleistocene Faunal Assemblage in eastern Beringia: a preliminary report. Canadian Journal of Archaeology, 1:81. (Authors: Irving, Mayhall, Melbye, and Beebe)

1973 A comparative review of The Beginnings of Mankind: A Laboratory Notebook, by Stanley Rhine; Laboratory Methods in Physical Anthropology, by Alan C. Swedlund and William D. Wade; and Human Skeletal Morphology: A Laboratory Manual for Anthropology by Roselle Tekiner, American Journal of Physical Anthropology 39:489-492.

1972 Review of Human Skeletal Morphology, by Roselle Tekiner. American Anthropologist 74:1533.

1967 Skeletal lesions suggestive of pre-Columbian multiple myeloma in a burial from the Kane Mounds near St. Louis, Missouri. Museum of Northern Arizona, Technical Series, No. 7 (Authors: Brooks and Melbye)

Workshops

2008: Four day mapping workshop for 50 FBI agents from throughout the U.S. - Forensic Research Facility, Freeman Ranch, September 22-26

2008 – Instructor for FBI annual training at the Forensic Research Facility in Knoxville, TN

2008 - Hosted one day workshops for Texas law enforcement focusing on forensic anthropology and the crime scene.

2007 - Is it Human? Human Bone vs. Non Human Bone & Forensic Taphonomy Workshop. October 18th & 19th, 2007. TCLEOSE credit workshop (Texas Commission on Law Enforcement Officers Standards and Education).

2006 - Advanced Body Search and Recovery/ 4 day workshop, March 12 to 15

2006 - Bugs and Bones/ 2 day workshop, November 18 & 19, 2006

Symposia

1981 Symposium Organizer: American Association for the Advancement of Science: Paleopathology of Prehistoric Populations of Canada. Paper Given: Paleopathology of the Ontario Iroquois.

1976 Symposium Organizer: Canadian Association for Physical Anthropology: Program Chairman. Organizing an international meeting honoring a Canadian physical anthropologist (Davidson Black) with contributors from Indonesia, Europe, U.S., and Canada.

1976 Symposium Organizer/Chairman: Canadian Archaeological Association: "Discrete Traits in the Analysis of Human Skeletal Populations". Paper: Ossossane: Some Preliminary Notes after 30 years.

1974 Symposium Organizer/Chairman: Canadian Association for Physical Anthropology: "The Kleinburg Ossuary: A Holistic Approach".

1975 Symposium Organizer/Chairman: Canadian Archaeological Association: "Physical Anthropology" Paper: Aspects of Paleopathology at the Kleinburg Ossuary.

1974 Symposium Organizer/Chairman: Canadian Archaeological Association: "Physical Anthropology". Paper: Mortuary Customs: Trauma or Cut Marks?

1972 Symposium Organizer/Chairman: Canadian Archaeological Association: "Physical Anthropology". Paper: A Proposed Data Bank for Human Skeletons. Paper: Notes on Four Skulls from the Queen Charlotte Islands, B.C. (with B. Sigmon)

1970 Symposium Organizer/Chairman: Canadian Archaeological Association: Skeletal Biology of Prehistoric Canadian Populations". Paper: Late Woodland Populations of the Upper Great Lakes

-- Ongoing Research

- The effects of malnutrition on age determination. "Dental vs. Skeletal Age".
- Mummies of Guanajuato, Mexico - Analyses of 111 mummies in the Museo de las Momias, Guanajuato, Mexico (in partnership with Gerald Conlogue and Ron Beckett, Quinnipiac University, CT)

- The recovery and analyses of a Spanish Galleon embanked in sand off the coast of Chile

SCHOLARLY AND PROFESSIONAL WORK

Forensic Anthropology Reports

- Skeletal and Odontological Age Estimation of Malnourished Children: 3 Private Cases, Texas and Utah
- Skeletal Remains found in Abilene: Report to Travis County Sheriff's Office.
- Inspect for signs of trauma on skeletal remains from pictures taken before cremation of the victim. Report to Seguin Police Department, Jerry Hernandez, Detective Sergeant.
- Skeletal Remains, non-human: report to Texas Rangers, Department of Public Safety, Sergeant: Dewayne Goll
- Forensic Analysis of Human Skull found in England, Report to Jennifer H. Steel, Forensic Science Consultant, AFOSI Detachment 401, Randolph Air Force Base, TX
- Forensic analysis of homicide victim, Report to Montgomery County Sheriff's Office, Montgomery County, TX
- Analysis of found human remains, Kendall County, TX, Report to Deputy Grey
- Heritage Museum: Analysis of Human Remains of Unknown Provenience, Comal County, Canyon Lake, TX. Report to E. E. Deschner
- Heritage Museum: Analysis of human remains and artifacts Report to E. E. Deschner
- Analysis of human remains, Seguin, TX, Report to Detective San Miguel
- Cold Case Reopened: "Murder in Gainsville", a forensic anthropology report to private citizen, Mr. Herb Vest, Denton, TX.
- 7 Forensic Cases: Found Remains, Hidalgo County, TX. Seven individual reports to the Hidalgo County Sheriff's Office.
- 4 Forensic Cases: Found Remains, Webb County, TX. Four Individual reports to the Webb County Sheriff's Office, Laredo, Texas.
- Found Remains by U.S Border Patrol, A Report to the Laredo Sheriff's Office
- Cold Case Re-opening (1967), Van Zandt, Texas, A Report to the Van Zandt Sheriff's Office, TX
- Found Remains on the Rio Grande River, A Report to the Texas Rangers

- Found Remains near Paint Rock, TX, A Report to The Texas Historical Society
- The Mr. Chow Case: A Report to the Chief Coroner of Ontario.
- The Jennifer Zumach Case: A Report to the Chief Coroner of Ontario.
- The Sharmini Anandavel Case: A Report to the Chief Coroner of Ontario.
- The Bao Ho Case: A Report to the Chief Coroner of Ontario.
- Found Remains on Manitoulin Island, Ontario: A Report to the Chief Coroner of Ontario.
- Found Bone of Unknown Origin: A Report to the Office of the Chief Medical Examiner, Nova Scotia.
- Found Remains, Florence Beach, Nova Scotia: A Report to the Office of the Chief Medical Examiner for Nova Scotia.
- Found Remains near Perth, Ontario: A Report to the Chief Coroner of Ontario.
- The Daniel Carson Case: A Report to the Chief Coroner of Ontario.
- The Frank Mitchell Case: A Report to the Chief Coroner of Ontario.
- Monthol Bhromsuwan: A Report to KEYFACTS.
- The Staples Case: A Report to the Chief Coroner of Ontario.
- The Borelli Case: A Report to the Chief Coroner of Ontario.
- The Teske Case: A Report to the Chief Coroner of Ontario.
- The Foster Alfred Case: A Report to the Chief Coroner of Ontario.
- The Carolyn Drury Case from Parry Sound, Ontario: A Report to the Chief Coroner of Ontario.
- Human Remains found near Highway 17 near Kenora, Ontario: A Report to the Chief Coroner of Ontario.
- Found Remains in a Soccer Field, Metro Toronto: A Report to the Chief Coroner of Ontario.
- Found Remains near Sault Ste. Marie: A Report to the Chief Coroner of Ontario.
- The Dora Ferguson Case: A Report to the Chief Coroner of Ontario.
- Found Remains in Ameliasburg Township, Ontario: A Report to the Chief Coroner of Ontario.

- Found Remains on Minnitaki Lake near Sioux Lookout: A Report to the Chief Coroner of Ontario.
- An Investigation of a Basement in Kincardine, Ontario: A Report to the Ontario Provincial Police.
- The Dora Ferguson Case from New Brunswick: A Report to the Royal Canadian Mounted Police.
- Found Remains of Julie Stanton in Manvers Twp., Ontario: A Report to the Ontario Provincial Police.
- Found Remains on Minnitaki Lake near Sioux Lookout, Northwest Region: A Report to the Ontario Provincial Police.
- Found Remains in Ameliasburg Twp., Ontario: A Report to the Ontario Provincial Police.
- Found Remains in Igaluit Region, N.W.T.: A Report to the Royal Canadian Mounted Police.
- The Remains of Kimberly Ann Quesnel: A Report to the Ontario Provincial Police.
- Found Remains in Kirkwood Twp., Ontario: A Report to the Ontario Provincial Police.
- Found Remains on Scugog Island, Ontario: A Report to the Durham Regional Police.
- Found Remains in East Ferris Twp., Mink Lake, Ontario: A Report to the Ontario Provincial Police.
- Found Human Remains in an Occult Context in the Hamilton - Wentworth Region: A Report to the Chief Coroner of Ontario.
- Found Remains in the St. Laurence River near Brockville, Ontario: A Report to the Chief Coroner of Ontario.
- Found Remains near Dorset, Ontario: A Report to the Chief Coroner of Ontario.
- Found Jaw Bone on Glencoe Island, N.W.T.: A Report to the Chief Coroner of Ontario.
- Infant Remains from Bracebridge, Ontario: A Report to the Chief Coroner of Ontario.
- Found Remains near Upper Blackville, New Brunswick: a Report to the Royal Canadian Mounted Police.
- Found Remains under Robertson's Motors on the Danforth, Toronto: a Report to Metropolitan Toronto Police.
- Found Remains at Williams Bay, Lac Seul: a Report to the Chief Coroner of Ontario.

- Found Remains in a Fireplace: A Report to Project Green Ribbon Joint Force Operation.
- Found Remains at Hwy. 400 and Hwy. 9 (M#3416/301): A Report to the Chief Coroner's Office of Ontario (with K. Gruspier).
- Ontario Provincial Police Case 2072-1: A Report to the Ontario Provincial Police, Barrie Detachment (with K. Gruspier).
- The Downsview Case (M#2445/119): A Report to the Chief Coroner's Office of Ontario (with S. Jimenez).
- A Found Skull in a Brampton Public Storage Locker (FPB 370/93): A Report to the Chief Coroner's Office of Ontario (with K. Gruspier).
- A Found Skull in a Stream near Spencerville, Ontario (FPB 112/94): A Report to the Chief Coroner's Office of Ontario.
- Found Remains on Griffith Island, Ontario (FPB 154/94): A Report to the Chief Coroner's Office of Ontario.
- Found Remains in a Marsh near Wallaceberg, Ontario (FPB 154/94): A Report to the Chief Coroner's Office of Ontario.
- A Found Skull in a Peat from a Lake Bottom in South Dumfries Township, Ontario (FPB 176/94): A Report to the Chief Coroner's Office of Ontario.
- The Butcher of Gloucester Street: A Report to the Metropolitan Toronto Police.
- The Clayton McFaul Case: A Report to the Peterborough Police.
- The Maria Woods Case: A Report to the Durham Regional Police.
- A Forensic Anthropological Investigation: The Death of Christine Marion Jessop: A Report to the Supreme Court of Ontario.