

IN THE CIRCUIT COURT OF THE
NINTH JUDICIAL CIRCUIT, IN AND
FOR ORANGE COUNTY, FLORIDA

STATE OF FLORIDA,

Plaintiff,

vs.

CASE NO.: 48-2008-CF-015606-O
DIVISION: 16

JUDGE: STAN STRICKLAND

CASEY MARIE ANTHONY,

Defendant.
_____ /**EMERGENCY MOTION TO PRESERVE FORENSIC EVIDENCE
AND APPOINT FORENSIC EXPERT FOR THE COURT**

COMES NOW the Defendant, CASEY MARIE ANTHONY, by and through undersigned counsel and moves this Honorable Court to enter an order preserving the presently unidentified remains and appoint a master to oversee the preservation of forensic evidence. In support thereof the Defendant would allege that:

1. Recently, the news media reported Dr. Jan Garavaglia, District Nine Chief Medical Examiner, issued a press release that she would be hiring additional experts to assist her in the identification and processing of the unidentified remains recovered by the Orange County Sheriff's Office (hereinafter OCSO) on December 11, 2008. (see attached).
2. The news media has also reported that Dr. Jan Garavaglia authorized said remains to be transported to the Federal Bureau of Investigation (hereinafter FBI).
3. We have tried to get confirmation from the Prosecutor who this morning indicated that some of the body has been sent to the Trace Evidence Unit in Quantico, Virginia.
4. We further tried to find out if the skull is still in Orlando, Florida which she could neither confirm nor deny. We are concerned that the remains will be macerated at Quantico.
5. See attached description from website which says that the team in this unit has a "physical scientist, geologist, and a forensic examiner on staff." They also can perform a physical anthropology exam by bringing in a forensic anthropologist usually from the Smithsonian Institute. No forensic pathologist is on staff.
6. This processing could further compromise the remains in that part of the processing of human remains includes a technique in a process usually employed by physical

anthropologists in which remains are macerated, essentially leaving bone clean of any human tissue. (See attached affidavit of Dr. Anthony Falsetti, a Board Certified forensic anthropologist regarding processing of human remains).

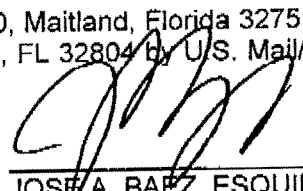
7. The Defense would request the protocols policies and procedures used in the FBI forensic laboratory as they relate to the processing of human remains concerning leaving the bone clean of any human tissue be immediately turned over to the Defense and to ensure that further spoliation of evidence does not occur. Since we do not know what authorizations were given by the medical examiner, the Defense has no control over whether the body will be macerated.
8. The Defense has already been prevented from observing the remains in the state in which they were found.
9. Additionally the Court needs to order the Medical Examiner to instruct the FBI to not macerate the remains of the body or significantly remove any human tissue that would be there until the Defense has been given the opportunity to perform its second autopsy by its experts.
10. To allow further processing of the remains would seriously hamper the ability of the Defense experts to gather information from evidence that has been destroyed because of the testing process.
11. The Defense is concerned that time is of no consequence to law enforcement and is preventing all parties from moving forward in a timely manner.
12. Should the State indicate that they do not know or refuse to get a certification from the medical examiner as to her authorizations to the FBI the Defense is concerned that the opportunity to conduct maceration would significantly impair its ability to represent CASEY MARIE ANTHONY.
13. We reserve the right, depending on the Prosecutors response, to ask for a Court appointed forensic pathologist and anthropologist and review pictures in camera, should there be a disagreement.

WHEREFORE the Defendant, CASEY MARIE ANTHONY, prays that this Honorable Court enters an order preserve forensic evidence (human remains) and appoint experts in the field of forensic anthropology and forensic pathology to assist the Court.

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a copy of the above and foregoing Motion to Preserve Forensic Evidence and Appoint Forensic Expert for the Court has been furnished to the Office of the State Attorney, 415 North orange Avenue, Orlando, Florida 32801, District Nine Medical Examiner's Office, 1401 Lucerne Terrace, Orlando, Florida 32806, Orange County Attorney's Office, 201 Rosalind Avenue, Orlando, FL 32801, Federal Bureau of Investigation, 5525 West Gray Street

Tampa, Florida 33609 and 850 Trafalgar Ct. Suite 400, Maitland, Florida 32751 and the Orange County Sheriff's Office, 2500 W. Colonial Dr, Orlando, FL 32804 by U.S. Mail/facsimile delivery on this 15th day of December, 2008.



JOSE A. BAEZ, ESQUIRE
FL Bar No.: 0013232
GABRIEL E. ADAM, ESQUIRE
FL Bar No.: 0027371
JOSE L. GARCIA, ESQUIRE
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Sources: 'Bone Trail' Found Through Woods Near Anthony Home

Related To Story

Investigators Confirm Child's Body Wrapped Inside Plastic Bag

POSTED: 6:32 am EST December 14, 2008

UPDATED: 7:20 pm EST December 14, 2008

ORLANDO, Fla. -- All weekend, two official sources who spoke to WESH 2 News on the condition of anonymity, said they have been recovering more human remains in the wooded area along Suburban Drive near the home of missing Caylee Anthony.

According to one investigator, at least two dozen bones have been discovered so far, in addition to a skull with light long hair consistent with a female child.

Related Content: Casey Anthony Investigation Timeline | Photos: The Crime Scene And Aftermath | Map

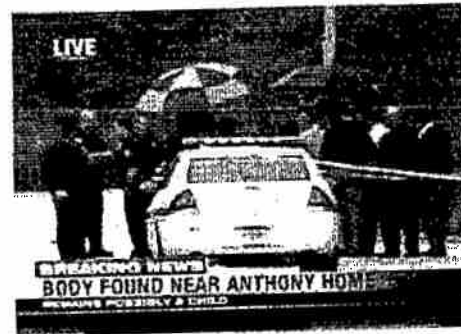
Investigators and Casey Anthony's defense team said they are operating under the assumption that the remains are those of the missing 2-year-old.

Investigators said they're still trying to determine why the child's mouth was taped shut with duct tape. At this point they said they do not believe this was meant to look like the child was killed by a kidnapper.

Investigators said they believe Caylee's body was dumped at the location in the woods shortly after she was killed. The bag full of human child remains was discovered by a meter reader, who went into the woods to relieve himself. **(Audio: Listen to 911 Call)**

Sources have described a small "bone trail" found outside the garbage bag, leading them to suspect that it was likely submerged for an unknown period of time and some of the remains floated out of the bag or were scattered by animals.

For the first time, WESH 2 News has also confirmed that the child's body was wrapped in some sort of "covering" inside



Remains Found Near Anthony Home

- Video:** 'Bone Trail' Found In Woods
- Video:** Locals React To Remains Found
- Video:** Baez Talks To Media
- Video:** Caylee Memorial Made Near Remains
- Video:** Beary Appears On 'Today Show'
- Video:** Ride Route From Anthony Home To Crime Scene
- Video:** Investigators Remove Evidence From Anthony Home
- Video:** Tim Miller Says Remains Are Caylee
- Video:** Anthonys Get Back From CA
- Video:** Forensics Expert Discusses Examination Of Remains
- Video:** What Was In The Bag?
- Video:** Uncut: Beary News Conference
- Video:** Attorney Discusses Implications For Casey
- Video:** Baez Leaves Jail
- Video:** Home Video: Remains Found
- Video:** Bystanders Talk About Find
- Video:** Deputies Scour Crime Scene
- Video:** Baez Holds News Conference After Remains Discovery
- Video:** Anthony Spokeswoman Returns To Orlando
- Slideshow:** Casey Anthony Investigation Timeline
- Slideshow:** Photos: Remains Found Near Anthony Home
- PDF:** Read New Casey Anthony Motion
- PDF:** Casey Anthony Commissary Purchases Dec. 11

Sources: 'Bone Trail' Found Through Woods Near Anthony Home - Print This Story New... Page 2 of 3

the bag.

According to sources, it was the covering -- along with the trash bag and duct tape -- that investigators said they believe are tied to the Anthony house nearby on Hopespring Drive.

On Saturday, it was confirmed that a portion of the remains were flown to the FBI crime lab in Quantico, Va. Test results to attempt to match the remains with Caylee's DNA are expected to take at least a week.

One investigator said that it was difficult to have seen the video and pictures of Caylee's smiling face and come to the realization that it appears her remains were simply dumped in the woods.

"It was cold," one source told WESH 2 News. "That's where the punch in the gut was."

Investigators said their reactions to the findings have ranged from elated to overwhelmed.

At this point, sources said they are pleased with the evidence taken from the Anthony home late last week during the execution of a search warrant.

Those items included vacuum cleaners inside, which investigators said they hoped some sort of hair or fiber evidence could still be of value to the case against Casey Anthony.

She is charged with first-degree murder in connection with her daughter's disappearance and presumed death.

When notified Thursday of the discovery of the remains, witnesses said Casey Anthony started sobbing and asked for a sedative.

When asked how his client was doing, Jose Baez said she "is not doing very well at all."

Thirty technicians from the FBI's Evidence Response Team have joined Orange County's crime scene investigators at the wooded area about a quarter-mile from the Anthony home.

☒ *To comment on this story, send an e-mail to [Bob Kealing](#).*

Previous Stories:

- December 14, 2008: Casey's Defense Team Gets First Look At Crime Scene
- December 14, 2008: Attorney: Casey Not Doing Well After Hearing About Remains
- December 11, 2008: Casey Anthony Trial Delayed Until March
- December 11, 2008: Caylee's Grandparents Appear On CNN
- December 10, 2008: Caylee's Grandparents Slated For TV Appearance
- December 9, 2008: Baez Checking Other Venues For Anthony Trial
- December 8, 2008: Anthonys Speak After Weekly Vigil

- December 5, 2008: State Won't Seek Death Penalty Against Casey
- December 4, 2008: New Videos Released Of Casey Anthony In Jail
- December 2, 2008: George, Cindy Anthony: Big Break In Case Coming
- November 26, 2008: Gag Order Ruling Expected In Anthony Case
- November 25, 2008: Judge Hears Arguments For Anthony Gag Order
- November 24, 2008: Baez Plans To Fight Casey Case Gag Order
- November 20, 2008: NeJame Quits As Anthonys' Attorney
- November 19, 2008: Padilla Aide Recalls Conversations With Casey
- November 18, 2008: Attorney Wants To Depose Anthony In Jail
- November 14, 2008: Casey Anthony Files Counter Suit Against Alleged Nanny
- November 14, 2008: Casey Anthony's Attorneys Examine Car

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Trace Evidence

Mission
 The Trace Evidence Unit (TEU) identifies and compares specific types of trace materials that could be transferred during the commission of a violent crime. These trace materials include human hair, animal hair, textile fibers and fabric, rope, feathers, wood, soil, glass, and building materials. The physical contact between a suspect and a victim can result in the transfer of trace materials. The identification and comparison of these materials can often link a suspect to a crime scene or to physical contact with another individual. Torn pieces of fabric can be positively associated to a damaged garment, and broken pieces of glass or wood can be positively fit together. Physical anthropology (skeletal remains) examinations are also performed. These examinations are conducted to assist in the identification of human remains.

The Team
 Physical scientist, geologist, and forensic examiners

The Work
 The unit maintains reference collections of human and animal hair, natural and man-made textile fibers, fabrics, feathers and wood.

Hair
 Hair examinations can determine if a hair is animal or human. If animal, the species and possibly breed of the animal can be determined. If human, the race, body area, length, root type (naturally shed/forcibly removed), and any artificial treatment, damage, or disease can be determined. Hairs associated by microscopic comparison are also examined by the Mitochondrial DNA Unit.

Fiber
 Fiber examinations can determine if a fiber is natural or manmade. Questioned fibers can be compared to fibers from a known source to determine if they are consistent with having originated from that source. Questioned fibers can also be compared to other questioned fibers to determine if they are consistent with originating from the same source, though that source is not known.

Fabric
 Fabric examinations can determine if a questioned piece of fabric and a known piece of fabric are consistent in color, construction, and composition. Fabric matches may also be done that can positively associate the questioned and known pieces.

Feather
 Feather examinations can determine the species of bird that a feather came from, and questioned and known samples of feathers can be compared.

Wood
 Wood examinations can determine the species of wood, compare questioned and known samples of wood, and do fracture and cut end matches.

Other
 Additional examinations undertaken in the unit include: cordage, glass, soil, anthropological, building material, and gemstone examinations.

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SWORN AFFIDAVIT

I, KATHLEEN J. REICHS, in my capacity as forensic anthropologist and in support of the foregoing Motion to Preserve Forensic Evidence and Appoint Forensic Expert for the Court, would hereby allege the following:

1. I have handled many cases involving the identification of humans through the extraction of DNA from bones.
2. I have sent numerous specimens to various agencies and laboratories for DNA analysis.
3. The DNA analysis itself takes between two (2) to three (3) days.
4. I have worked with numerous forensic pathologists whose review must be completed before destructive tissue test, including but not limited to maceration, can be performed on human remains.

 12/14/08
KATHLEEN J. REICHS, Date
PhD, DABFA

KATHLEEN JOAN REICHS
Professor of Anthropology



EDUCATION

American University Washington, DC	1971	B.A. Anthropology
Northwestern University Evanston, IL	1972	M.A. Physical Anthropology
Northwestern University Evanston, IL	1975	Ph.D. Physical Anthropology
Diplomate American Board of Forensic Anthropology	1986	D.A.B.F.A.

PROFESSIONAL EXPERIENCE

Teaching

Northern Illinois University, 1974-1978
Assistant Professor, 1974-1978
Stateville Correctional Facility, Joliet, IL, 1975-1978
Instructor, 1975-1978
Davidson College, Davidson, NC, 1981-1983
Assistant Professor
University of North Carolina at Charlotte, 1978-81; 1983-pres.
Lecturer, 1978-81; 1983-1987
Assistant Professor, 1987-1988
Associate Professor, 1988-1996
Professor 1996 - present
University of Pittsburgh, 1987
Visiting Professor, Semester at Sea, Fall 1987
Concordia University, 1988-1989
Visiting Associate Professor
McGill University, (Summers 1988-1997)
Visiting Associate Professor

Symposium for medical and dental students, University of North Carolina School of Medicine, Chapel Hill, NC (repeated)

Symposium for residents in Pathology, Laboratoire de Sciences Juridiques Legales et de medecine legale, Montreal, Quebec (repeated).

Instructor, Field Course in the Recovery of Human Remains, F.B.I. Academy, Quantico, Virginia
(CASKU), (repeated)

Consulting (Selected Examples)

Consultant osteological analysis, Toulouse research project on the skeletal remains of Thomas Aquinas, 1989-90

Consultant in osteological analysis of remains of Jean LeBer, Archdiocese of Montreal, 1991.

Forensic Anthropology consultant to Mecklenburg County, NC, Medical Examiner's Office, 1985-present

Forensic Anthropology consultant to Office of the Chief Medical Examiner, State of North Carolina, Chapel Hill, NC, 1985-present

Consultant, Office of Relocation, N.C. Department of Transportation, Charlotte, NC

Anthropologue judiciaire, Gouvernement du Quebec, Ministere de la Securite publique, Laboratoire de Sciences judiciaires et de medecine legale, 1988-present

Forensic Anthropologist, National Disaster Medical System, D-MORT Team, Region 4. Appointed December 20, 1994 (to present) Worked in identification of victims of World trade Center, October, 2001.

External Consultant in Forensic Anthropology, Casualty and Mortuary Affairs Operations Center, Central Identification Laboratory, Hawaii. 1997-1999.

Consultant to United Nations Tribunal on Genocide in Rwanda, 1999 (testimony in Arusha)

Commission d'enquete sur les circonstances entourant la disparition et le deces de M. Louis-Georges Dupont, (exhumation, analysis), Trois Rivieres/Montreal, Summer-Fall, 1996.

Commission d'enquete Roberge, Gouvernement du Québec, (exhumation, analysis), Sept Isles/Montreal, Summer-Fall, 1999.

PUBLICATIONS AND RESEARCH

Books

Reichs, Kathleen J. (ed.)
1983 Hominid Origins: Inquiries Past and Present, University Press of America, Washington, D.C.

Reichs, Kathleen J. (ed.)
1986 Forensic Osteology: Advances in the Identification of Human Remains, Charles C. Thomas Co., Springfield.

Reichs, K.J.
1998 Forensic Osteology II: Advances in the Identification of human Remains, Charles C. Thomas, Springfield, IL.

Chapters in Books

Reichs, Kathleen J.
1983 "Introduction to hominid origins" in Hominid Origins: Inquiries Past and Present, K.J. Reichs, ed., University Press of America, Washington, DC, ix-xxxix.

Reichs, Kathleen J.

- 1986 The Dickerson skeletal series: bits and pieces of Carolina prehistory, *Prehistoric Skeletal Biology of the Southeastern United States*, North Carolina Archaeological Council and North Carolina Division of Archives and History, Raleigh.

Reichs, Kathleen J.
1986 "Osteological analysis of the Dickerson skeletal material," Appendix A in B. Oliver, *Salvage Excavation of the Dickerson Site* (31 BR 91), North Carolina Department of Cultural Resources, Raleigh.

Reichs, Kathleen J.
1986 "Introduction to Forensic Osteology" in *Forensic Osteology Advances in the Identification of Human Remains*, Charles C. Thomas, Springfield, p. xv-xxxi.
1987

Reichs, Kathleen J.
1986 "The forensic implications of skeletal pathology: sex" in *Forensic Osteology: Advances in the Identification of Human Remains*, Charles C. Thomas, Springfield. p. 112-142.

Reichs, Kathleen J.
1986 "The forensic implications of skeletal pathology: ancestry" in *Forensic Osteology: Advances in the Identification of Human Remains*, Charles C. Thomas, Springfield. p. 196-217.

Reichs, Kathleen J.
1992 "L'Anthropologie judiciaire," in *Techniques auxiliaires de la justice*, Librairie cooperative du college de Maisonneuve, pp. 43-48.

Reichs, K.J.
1998 *Forensic Osteology II: A Decade of Progress*, in Reichs, K.J., *Forensic Osteology II: Advances in the Identification of Human Remains*, Charles C. Thomas, Springfield, IL.

Reichs, K.J. and Craig, E.
1998 Facial Approximation: Procedures, Problems and Pitfalls, in Reichs, K.J., *Forensic Osteology II: Advances in the Identification of Human Remains*, Charles C. Thomas, Springfield, IL.

Reichs, K.J. and Demirjian, A.
1998 New Measures of Dental Age Assessment in Children, in Reichs, K.J., *Forensic Osteology II: Advances in the Identification of Human Remains*, Charles C. Thomas, Springfield, IL.

Reichs, K.J.
1998 Postmortem Mutilation and Dismemberment: Macroscopic Analysis, in Reichs, K.J., *Forensic Osteology II: Advances in the Identification of Human Remains*, Charles C. Thomas, Springfield, IL.

Articles

Reichs, Kathleen J.
1984 "Regional Variability and the Hopewell Phenomenon" *Central Issues in Anthropology*, Vol. 5, #2:47-65; April, 1984.

DeRousseau, C.J. and Reichs, K.J.
1987 Ontogenetic plasticity in nonhuman primates: I. Secular trend in the Cayo Santiago Macaques, *American Journal of Physical Anthropology* 73:279-287.

Reichs, Kathleen J.
1989 "Cranial Suture Eccentricities: A Case in Which Precocious Closure Complicated Determination of Sex and Commingling," *Journal of Forensic Sciences*, Vol. 34, #1:263-73.

Vitae

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- Reichs, Kathleen J.
1988 "Treponematoses: A Possible Case from the Late Prehistoric of North Carolina," American Journal of Physical Anthropology 79:289-303.
- Reichs, Kathleen J.
1990 "Precocious and Premature Cranial Suture Union as Complicating Factors in the Identification of Skeletal Remains" Canadian Society of Forensic Sciences Journal, 23:#1:9-23.
- Reichs, Kathleen J.
1990 "L'anthropologie judiciaire en 1990," Surete, 9/90.
- Reichs, K.J. and Dorion, R.B.J.
1992 "The Use of Computed Tomography (CT) Scans in the Analysis of Frontal Sinus Configuration," Canadian Society of Forensic Sciences Journal, Vol 25, #1.
- Reichs, K.J.
1992 "Forensic Anthropology in the 1990's" The American Journal of Forensic Medicine and Pathology, Vol. 13(2).
- Grynpas, M.C., Huckell, C.B., Greenwood, C., Kessler, M.J., Reichs, K.J. and DeRousseau, C.J.
1993 "Effect of Age and Osteoarthritis on Bone Mineral in Rhesus Monkey Vertebrae, Journal of Bone and Mineral Research, Vol. 8, No. 8:909-917.
- Reichs, K.J.
1993 "Quantified Comparison of Frontal Sinus Patterns By Means of Computed Tomography," Forensic Science International, Vol. 61:141-168.
- Reichs, K.J.
1995 "A Professional Profile of Diplomates of the American Board of Forensic Anthropology: 1984-1992," Journal of Forensic Sciences, Vol. 40, #2, 176-182.

Other

- Reichs, K.J.
1982 "The Evolution of Creationism," Charlotte Observer, April 11, 1982.
- Reichs, K.J.
1982 "4 Million Year Old Sex Contract: The Evolution of Human Behavior," Charlotte Observer, October 3, 1982.

Novels

- Reichs, Kathy
1997 *Deja Dead*, Scribner, New York (rights sold in 22 languages; winner, Arthur Ellis Award, 1997)
- Reichs, Kathy
1999 *Death du Jour*, Scribner, New York (rights sold in 22 languages)
- Reichs, Kathy
2000 *Deadly Decisions*, Scribner, New York (rights sold in 22 languages)
- Reichs, Kathy
2001 *Fatal Voyage*, Scribner, New York

Reichs, Kathy
2002 *Grave Secrets*, Scribner, New York (Release: July, 2002)

Novels now in twenty-nine languages.

PAPERS PRESENTED (Academic)

"Middle and Late Woodland: Two Techniques for Determination of Biological Distance," American Anthropological Association Annual Convention, New Orleans, 1973.

"Who Built All Those Mounds? A Bio-social Analysis of Hopewell Burial Sites in the Midwest" Chicago Archeological Society, Chicago, 1975.

"Skeletal Parameters in the Testing of Archeological Models," American Association of Physical Anthropologists Annual Convention, Eugene, Oregon, April, 1982.

"The Role of the Anthropologist in Crime Scene Recovery" International Association of Identifiers Annual Meeting, Charlotte, NC, April 30, 1983.

"The Potential of Skeletal Remains in Forensic Identification," presented at the quarterly meeting of Medical Examiners, Crime Lab and Law Enforcement Personnel and District Attorneys, Charlotte, NC, May, 1983.

"The Research Potential of Osteological Material," Charlotte Nature Museum, March 21, 1985.

"Secular Trends Toward Increasing Body Size in Rhesus Monkeys," American Association of Physical Anthropologists Annual Meeting, Philadelphia, April, 1985.

"Suture Self: The Effect of Eccentric Suture Closure on Forensic Analysis," American Academy of Forensic Sciences, XXXVIII Annual Meeting, San Diego, 1987.

"A Possible Case of Treponematosi from the Piedmont of North Carolina," Annual Meeting of the Paleopathology Association, New York, 1987.

"Craniosynostosis: Its Impact on metric assessment in forensic cases," Southeast Regional Forensic Anthropologists annual meeting, Gatlinburg, 1988.

"Paleodemography and Paleopathology of Two Late Prehistoric Tuscaroran Populations: Jordans Landing and San Souci," American Association of Physical Anthropologists Annual Meeting, San Diego, 1989.

"The Use of Computerized Axial Tomography Scans in the Comparison of Frontal Sinus Configurations. American Academy of Forensic Sciences Annual Meeting, Anaheim, CA, February 1991.

"The Biomechanics of Bone Fracture: The Role of the Forensic Anthropologist In Trauma Analysis" ("La biomecanique des fractures des os: le role de l'anthropologue judiciaire dans l'analyse traumatique"), 38th Annual Meeting of Canadian Society of Forensic Sciences, Montreal, 1991.

"Facial Reconstruction: A Comparative Study of Three Methods," 44th Annual Meeting of the American Academy of Forensic Sciences, New Orleans, LA, February 1992 (with Edie Franklin).

"Forensic Anthropology at the Provincial/State Level", Symposium: "The Practice of Forensic Anthropology: Practical Considerations", 47th Annual Meeting of the American Academy of Forensic Sciences, Seattle, WA, February, 1995.

"Facing the Future for Forensic Anthropology: A Panel Discussion", 47th Annual Meeting of the American Academy of Forensic Sciences, Seattle, WA, February, 1995.

Invited Public Lectures/Workshops (Academic)

"Analysis of Archeologically Recovered Human Remains," Piedmont Archeological Society, December 7, 1979.

"Physical Anthropology and the Archaeologist," Archaeology Society of N.C., Town Creek Indian Mound State Historic Site, April 28, 1984.

Visiting Lecturer, Department of Anthropology, University of Tennessee Guest Lecture Series (2 presentations) 1987

Panelist, Fall Symposium on Rameses the Great, Queens College, 1988

Concordia University Biology Department Speakers Series, "The Role of Skeletal Biology in the Medico-legal System, February 2, 1990

Concordia University Sociology-Anthropology Department Speakers Series, "Forensic Anthropology: Basic Principles and Case Studies, March 29, 1990

McGill University Department of Anthropology Archaeology Speakers Series, "Skeletal Biology: Applied and Research Potential Within an Anthropological Framework, February 15, 1990

The Naval Research Laboratory Edison Chapter of Sigma Xi Speakers Series, "Forensic Anthropology in the 1990's, December 10, 1993.

University of North Carolina at Charlotte Violence Academy Guest Speakers Series, "When the Autopsy Fails: Forensic Anthropology and the Victims of Violence," Charlotte, NC, January 31, 1995.

Keynote Speaker, "Trauma Analysis When the Autopsy Fails", Triennial Conference of the Association of Australasian and Pacific Area Police Medical Officers, Darwin, Australia, August 24, 1995.

Smithsonian Workshop in Forensic Anthropology, (Guest Lecturer), October 16-20, 1995, Washington, C.C.

Seminar on Forensic Anthropology and Crime Scene Recovery, Royal Canadian Mounted Police, Police College, Ottawa, October 29, 1995, 1996, 1997, 1998.

Col. Henry F. Williams Homicide Seminar, New York State Police, October, 1997, 1998.

International Symposium (French Language) on Forensic Science, Lille France, 1999

American College of Orthopedic Surgeons, Sun Valley, Idaho, 1999

Ontario Coroner's Association, 1999.

International Symposium on Forensic Science, Bari, Italy, 1999

Midwest Association of Orthopedic Surgeons, Scottsdale, Arizona, 2000,

Symposium on Forensic Anthropology, University of Western Australia, Perth Australia, 2000

Quebec Association of Hematologists and Oncologists, Keynote Speaker, Quebec City, 2000

Canadian Society of Forensic Sciences, Keynote Speaker, Ottawa, 2000

Vitae

Instructor, Annual Body Recovery Workshop, F.B.I. Academy, Quantico, Virginia, 1995-

Inter-disciplinary Session on Forensic Science, American Academy of Forensic Sciences, Atlanta, 2002.

HONORS / AWARDS / OFFICES (Academic)

Phi Beta Delta, National Honor Society for International Scholars, 1988.

Secretary, Physical Anthropology Section, American Academy of Forensic Sciences, 1994-95.

Chair, Physical Anthropology Section, American Academy of Forensic Sciences, 1995-1996.

Board of Directors, American Board of Forensic Anthropology, 1986-1993

Vice President 1989-93

Board of Directors, American Academy of Forensic Sciences, 1996 - 2002.

Executive Committee, Board of Directors, American Academy of Forensic Sciences, 2000 -

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SWORN AFFIDAVIT

I, ANTHONY B. FALSETTI, Ph.D, D-ABFA, in my capacity as a forensic anthropologist, and in support of the foregoing Motion to Preserve Forensic Evidence and Appoint Forensic Expert for the Court, would hereby allege the following:

1. Maceration is a process by which human remains undergo a cold-water soak and or hot-water boiling.
2. The intent of maceration is to remove any adherent soft-tissue so that a medical examiner can study the bone plainly and free of any debris.
3. The examiner would then review the specimen to look for trauma or any unique pathologies.
4. In addition, bone cleaned of soft-tissue is generally preferred by forensic anthropologists so that they can make the various measurements required for accurate age, sex and race assessment.
5. Usually the external examination done by the medical examiner is preferable with the soft-tissue attached to the remains. The forensic anthropologist prefers the remains defleshed for more accurate anthropological review.
6. In addition, the problem with boiling or heating the bone in this instance, particularly due to the suspected or reported age of the individual is that the specimen can be

damaged because the bones of a child are less robust than those of an adult.

7. Specifically, the cortical bone, or the outer layer of the bone, is much thinner in children than adults and more susceptible to being damaged.
8. Also, again due to the reported age at death in this case, many of the epiphyses (the rounded of a long bone) or growth plates can be damaged or even completely destroyed.
9. In the end, boiling has the potential to destroy evidentiary material in its entirety unless very carefully delineated protocols that include photography, x-ray, and retention of removed soft-tissue are adhered to.



ANTHONY FALSETTI 15 Dec 08
Date

STATE OF FLORIDA
COUNTY OF Alachua

BEFORE ME, the undersigned authority, personally appeared, ANTHONY B. FALSETTI, who is known to me to be the person described herein or has produced a drivers license as identification, and after first being duly sworn, states that she has read the foregoing and that the facts contained therein are true and correct and that he is who executed the foregoing.

SWORN TO AND SUBSCRIBED on this the 15 day of December, 2008.



NOTARY PUBLIC

My Commission Expires:

Updated 08/2008

Curriculum Vitae
Anthony Benjamin FALSETTI

PLACE/DATE OF BIRTH: Kansas City, Missouri, 12 November 1961**CURRENT POSITION:** *Associate Professor - Department of Anthropology/ Director-C. A. Pound Human Id Laboratory/
Co-Director- William R. Maples Center for Forensic Medicine***PRESENT ADDRESS:** Department of Anthropology / C.A. Pound Human Identification Laboratory
University of Florida, C/O Cancer/Genetics Research Complex
1376 Mowry Road, Room G-17 - P. O. Box 103615
Gainesville, FL 32611
Phone (352) 273-8320
Fax (352) 273-8319
Internet: falsetti@ufl.edu**PROFESSIONAL AFFILIATIONS:**

Department of Pathology, Immunology and Laboratory Medicine – University of Florida College of Medicine – *Adjunct Associate Professor*
Department of Medicinal Chemistry – University of Florida College of Medicine – *Adjunct Associate Professor*
American Academy of Forensic Sciences, 2000 Physical Anthropology Section, *Chairman*
American Academy of Forensic Sciences, *Journal of Forensic Sciences* - Editorial Board – *Member - Retired*
American Academy of Forensic Sciences, Continuing Education Committee - *Member*
New York State Police - *Forensic Anthropologist Consultant*
Onondaga County, Syracuse, NY - *Forensic Anthropology Consultant*
Forensic Pathology Associates, Shreveport, LA – *Forensic Anthropology Consultant*
Homicide Task Force, North Central Florida - *Forensic Anthropologist*

PROFESSIONAL CERTIFICATIONS: *Diplomate, American Board of Forensic Anthropology, 1995, No. 47.***EDUCATION:**

University of Missouri - Columbia, MO	
University of Tennessee - Knoxville, TN	1984 (B. A., Anthropology)
University of Tennessee - Knoxville, TN	1986 (M. A., Anthropology)
University of Tennessee - Knoxville, TN	1989 (Ph.D., Anthropology)
Dissertation Title: <i>Anthropometry of Native North American Indians from the Northwest Coast, Arctic, Subarctic, Great Basin and California: An Examination of Scaling Phenomena</i>	
State University of New York - Stony Brook, NY	1990-1992
(Postdoctoral Research Fellow, Department of Ecology and Evolution)	

MAJOR FIELDS OF INTEREST: Forensic Anthropology, Skeletal Biology, Human Osteology, Human Variation and Adaptation, Functional Anatomy, Quantitative Method and Theory, Forensic Medicine, Allometry, Human Growth and Development, Paleoanthropology, Dermatoglyphics

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PROFESSIONAL ORGANIZATIONS:

American Academy of Forensic Sciences (*Fellow*)
 American Association of Physical Anthropologists (*Member*)
 American Dermatoglyphics Association (*Fellow*); Executive Committee 1995-1997
 National Association of Medical Examiners
Sigma Xi Research Society of North America

PUBLICATIONS (THESES):

- 1989 Anthropometry of Native North American Indians from the Northwest Coast, Arctic, Subarctic, Great Basin and California: An Examination of Scaling Phenomena. Ph.D. Dissertation, Department of Anthropology, University of Tennessee, Knoxville, Tennessee.
- 1986 Allometric Variation of the Postcranial Skeleton in Two South American Tamarins *Saguinus oedipus oedipus* and *Saguinus fuscicollis illigeri* (Callitrichidae, Primates). M.A. Thesis, Department of Anthropology, University of Tennessee, Knoxville, Tennessee.

PUBLICATIONS (REFERRED JOURNALS ONLY): Author order may differ from published order

- 2006 Sequential Monitoring of Burials Containing Large Pig Cadavers Using Ground Penetrating Radar. *Journal of Forensic Sciences* (J.J. Schultz, Collins, M.E., and A.B. Falsetti) 51:607-616.
- 2004 Population affinities of 19th Century Cuban crania: Implications for identification criteria in South Florida Cuban Americans. *Journal of Forensic Sciences*, (A.H. Ross, D.E. Slice, Falsetti, A.B., and D.H. Ubelaker. 49:11-16.
- 2003 A Taphonomic Profile to Aid in the Recognition of Human Remains from Historic and/or Cemetery Contexts. *The Florida Anthropologist*, (J.J. Schultz, M.A. Williamson, Falsetti, A.B., S.P. Nawrocki, and M.W. Warren). 56(2)141-147.
- 2002 Ethnohistorical Relationships on the Iberian Peninsula. *Anthropologie*, (A. Ross, D.H. Ubelaker, and A.B. Falsetti). XL/1:51-57.
- 2002 Craniometric Variation in the Americas. *Human Biology*, (A.H. Ross, Falsetti, A.B., and D. Ubelaker). 47:807-818.
- 2002 The Detection of Forensic Burials in Florida using GPR. Proceedings of the Ninth International Conference on GPR, Santa Barbara, California, (Schultz J, Falsetti A, Collins M, Koppenjan S, Warren M.) p. 443-448.
- 2002 Elemental Analysis of Bone: Proton-induced x-ray emission testing in forensic cases. (Kravchenko, F.E. Dunnam, H.A. Van Rinsvelt, A.B. Falsetti, M.W. Warren, and W.R. Maples). *Forensic Sciences International*. 125:37-41.
- 2001 Hyperostosis cranii ex vacuo in Adults: A consequence of brain atrophy from diverse causes. *Journal of Forensic Sciences*. (D. A. Wolf and A.B. Falsetti). 46:370-373.
- 2000 A Forensic Application of PIXIE Analysis. (I.I. Kravchenko, F.E. Dunnam, H.A. Van Rinsvelt, A.B. Falsetti, and M.W. Warren). Application of Accelerators in Research and Industry. Duggan JL and Morgan IL (eds.) American Institute of Physics Press. 576:421-424.

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PUBLICATIONS (REFERRED JOURNALS): (Continued)

- 1999 Evidence of Arteriosclerosis in Cremated Remains. *The American Journal of Forensic Medicine and Pathology* (M. Warren, A.B. Falsetti, W. Hamilton and L. Levine). **20**(3):277-280.
- 1999 A New Method for Discriminating African-American from European-American Skeletons Using Postcranial Osteometrics Reflective of Body Shape. *Journal of Forensic Sciences* (T. Holliday & A.B. Falsetti). **44**:926-930.
- 1999 Maples Symposium Introduction. *Journal of Forensic Sciences*. **44**:673. (with D. Austin-Smith and A.B. Falsetti)
- 1999 A Thousand Tales of Dead Men: The Forensic Anthropology Cases of William R. Maples, Ph.D. *Journal of Forensic Sciences*. **44**:682.
- 1995 Shape, Relative Size, and Size-Adjustments in Morphometrics. *Yearbook of Physical Anthropology* (W.L. Jungers, A.B. Falsetti, and C.E. Wall). **38**:137-161.
- 1995 Lower Limb Length of European Early Modern Humans in Relation to Mobility and Climate. *Journal of Human Evolution* (T.W. Holliday, and A.B. Falsetti). **29**:141-153.
- 1995 Sex Assessment from Metacarpals of the Human Hand. *Journal of Forensic Sciences*. **40**:774-776.
- 1995 Circum-Mediterranean Biological Connections and the Pattern of Late Pleistocene Human Evolution. In: *Man and Environment in the Palaeolithic* (ed.) H. Ullrich (F.H. Smith, A.B. Falsetti, and T. Simmons). 197-207.
- 1993 Genetic Structure of Human Populations in the British Isles. *Annals of Human Biology* (A.B. Falsetti and R.R. Sokal). **20**:215-229.
- 1993 Morphometrics of the Callitrichid Forelimb: A case study in *size and shape*. *International Journal of Primatology* (A.B. Falsetti, W.L. Jungers and T.M. Cole). **14**:551-572.
- 1993 Genetic Relationships of European Populations Reflect their Ethnohistorical Affinities. *American Journal of Physical Anthropology* (R.R. Sokal, G.M. Jacquez, N.L. Oden, E. McGee, B. Thomson, A.B. Falsetti and D. DiGiovanni). **91**:55-70.
- 1992 Relative Growth of the Postcranial Skeleton in Callitrichines. *Journal of Human Evolution* (A.B. Falsetti and T.M. Cole). **23**:79-92.
- 1992 Variation Among North Amerindians: Analysis of Boas' Anthropometric Data. *Human Biology* (R.L. Jantz, A.B. Falsetti and D.R. Hunt, and P.J. Key). **64**:435-461.
- 1992 Forensic Anthropology. *Evolutionary Anthropology*. **1**:41-42.
- 1991 Inaccuracy of Height Information on Driver's Licenses. *Journal of Forensic Sciences* (P. Willey and A.B. Falsetti). **36**:813-819.
- 1991 Frontal Bone Morphometrics of Southwest Asian Pleistocene Hominids. *Journal of Human Evolution* (F.H. Smith, A.B. Falsetti, and T. Simmons). **20**:249-269.
- 1989 Modern Human Origins. *Yearbook of Physical Anthropology* (F.H. Smith, A.B. Falsetti, and S. Donnelly). **32**:35-68

PUBLICATIONS (BOOK CHAPTERS):

- 1999 Human Skeletal Remains: Was He a She or She a He? S. Fairgrieve (Ed): *Forensic Osteological Analysis: Case Studies in Forensic Anthropology* (H. Walsh-Haney, A.B. Falsetti and C. Katzarzyk) C. C. Thomas.

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- 1999 DISH, Rats, and a Rolex®. S. Fairgrieve (Ed): *Forensic Osteological Analysis: Case Studies in Forensic Anthropology* (M. Warren and A.B. Falsetti). C.C. Thomas.

SOFTWARE & BOOK REVIEWS (REFERRED JOURNALS only):

- 2002 *Biological Anthropology of the Human Skeleton*. Edited by M. Anne Katzenberg and Shelly R. Sauders. Xxiv + 504 pp. New York: Wiley-Liss. 2002. *American Journal of Human Biology*. 14:688-690.
- 1993 A Review of GEODAT: A Geographic Database. *Quarterly Review of Biology*. 68:649-650.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS:

American Association of Physical Anthropologists/Human Biology Council:

- 2003 Human Skeletal Trauma Patterns in a contemporary sample from Athens, Greece: Results from a pilot study. Poster presented at the 72nd Annual Meeting of the American Association of Physical Anthropologists. (S. Abel, A.B. Falsetti, A. Lagia, and S.K. Manolis). *American Journal of Physical Anthropology*. Supplement 36.
- 2003 An Estimation of the Heritability of Cranial Nonmetric Traits in a Tamarin Sample (*Saguinus oedipus*). Poster presented at the 72nd Annual Meeting of the American Association of Physical Anthropologists. (K. Jemmott and A.B. Falsetti). *American Journal of Physical Anthropology*. Supplement 36.
- 2002 Fracture Patterns in a Large Contemporary Skeletal Sample: 30 years of casework at the C.A. Pound Human Identification Laboratory. (S. Abel, A.B. Falsetti, K. Jemmott, and H. Walsh-Haney). *American Journal of Physical Anthropology*. Supplement 34.
- 2001 Linear Sparing of Long Bone Growth in the Pathological Fetus. Paper presented at the 70th Annual Meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, XX:xxx. (M.W. Warren, A.B. Falsetti, and T.M. Cole).
- 1999 Regional Differences in Cranial Morphology. Poster presented at the 68th Annual Meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, 28:273 (M.W. Warren, H. A. Walsh-Haney, K. R. Smith, P. R. Stubblefield, A.B. Falsetti, J. J. Schultz).
- 1996 Fetal Alcohol Syndrome: New Mexico Anthropometric Growth Survey. Paper presented at the 65th annual meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, 22:190 (A.B. Falsetti, J.M. Powers, K.L. Kramer, T.L. Estenson, and C. Clericusio).
- 1996 Forensic Anthropology in Recent Mass Disasters: Part II. Paper presented at the 65th annual meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, 22:103-104.
- 1994 The Steggerda Human Biology Anthropometric Collection: An overview and preliminary analyses. Paper presented at the 19th annual meeting of the Human Biology Council (P. Sledzik A.B. Falsetti, and A. Webb Wilcox).
- 1994 Anthropometric patterns of variation among North Amerindian subadults. Poster presented at the 63rd annual meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, 18:162 (A.B. Falsetti and J. Powers).
- 1994 A dental comparison of Middle Paleolithic Near Eastern Hominids. Poster presented at the 63rd annual meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, 18:63. (J. Bytnar, E. Trinkaus, and A.B. Falsetti).

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PAPERS PRESENTED AT PROFESSIONAL MEETINGS (Continued):

- 1994 Anthropometric and geographic relationships among Northwest Coast and Subarctic Native American Indian populations: A classification approach. *American Journal of Physical Anthropology*, Supplement 18:87. Paper presented at the 63rd annual meeting of the American Association of Physical Anthropologists.
- 1993 Ratios and residuals in the analysis of size and shape: reconsideration and some recommendations. Poster presented at the 62nd annual meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, Supplement 16:120. (W.L. Jungers, A.B. Falsetti, and C.E. Wall).
- 1993 The heritability of stature in the Western and Eastern Cherokee: The effect of removal and gene flow. Paper presented at the 62nd annual meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, Supplement 16:150. (S.M.T. Myster and A.B. Falsetti).
- 1993 Patterns of Spatial Variation among North Amerindians. Paper presented at the 62nd annual meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, Supplement 16:84.
- 1992 Genetic Structure of Human Populations in the British Isles. Paper presented at the 61st annual meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology*, Supplement 14:74. (A.B. Falsetti and R.R. Sokal).
- 1991 Relative Growth of the Postcranial Skeleton in Callitrichids. Paper presented at the 60th annual meeting of the American Association of Physical Anthropologists. Milwaukee, WI. (A.B. Falsetti, and T.M. Cole). *American Journal of Physical Anthropology*, Supplement 12:72.
- 1990 Anthropometry of Amerindians: An Examination of scaling phenomena. Poster presented at the 59th annual meeting of the American Association of Physical Anthropologists. Miami, FL. (A.B. Falsetti and R.L. Jantz). *American Journal of Physical Anthropology*, 81:220.
- 1989 Zutiyeh and the Ancestry of Early Modern Southwest Asians. Paper presented at the 58th annual meeting of the American Association of Physical Anthropologists. San Diego, California. (F.H. Smith, T. Simmons, and A.B. Falsetti). *American Journal of Physical Anthropology*, 78:303.
- 1989 Morphometric Analysis of the Mladec Postcranial Remains. Paper presented at the 58th annual meeting of the American Association of Physical Anthropologists. San Diego, California. (F.H. Smith, A.B. Falsetti, and M.A. Liston). *American Journal of Physical Anthropology*, 78:305.
- 1989 Size and Shape of the Forelimb of Tamarins. Poster presented at the 58th annual meeting of the American Association of Physical Anthropologists. San Diego, California. (A.B. Falsetti, T.M. Cole and W.L. Jungers). *American Journal of Physical Anthropology*, 78:219.
- 1988 Anthropometric Variation among Amerindians from the North American Pacific Coastal Region. Poster presented at the 57th annual meeting of the American Association of Physical Anthropologists, Kansas City, Missouri. (A.B. Falsetti, D.R. Hunt, and R.L. Jantz). *American Journal of Physical Anthropology*, 75:224.
- 1988 Relationships between Body Size and Dental, Cranial and Post-cranial variables in Saddle-backed Tamarins. Paper presented at the 57th annual meeting of the American Association of Physical Anthropologists, Kansas City, Missouri. (T.M. Cole, A.B. Falsetti, and M. Harrill). *American Journal of Physical Anthropology*, 75:197.
- 1987 Allometric Aspects of Size and Shape Variation in the Post-cranial Skeleton in two South American Tamarin Groups *Saguinus oedipus oedipus* and *Saguinus fuscicollis illigeri*. Paper presented at the 56th annual meeting of the American Association of Physical Anthropologists, New York, New York. *American Journal of Physical Anthropology*, 72:198.

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PAPERS PRESENTED AT PROFESSIONAL MEETINGS (Continued):*American Academy of Forensic Sciences and the National Association of Medical Examiners:*

- 2008 Introduction to uses of Quantitative Methods in Physical/Forensic Anthropology. *Proceedings of the American Academy of Forensic Sciences*, Paper presented at the Annual Meeting of the American Academy of Forensic Sciences, Washington, DC.
- 2008 A Population Approach to the Problem of the Missing and Unidentified with Emphasis on the Status of Migrant and Undocumented Workers. *Proceedings of the American Academy of Forensic Sciences*, Paper presented at the Annual Meeting of the American Academy of Forensic Sciences, Washington, DC. (E.H. Kimmerle, A.H. Ross, and A.B. Falsetti).
- 2007 Evaluation of the Mandibular Angle as an Indicator of Sex. *Proceedings of the American Academy of Forensic Sciences*, p. 346. Poster presented at the Annual Meeting of the American Academy of Forensic Sciences, San Antonio, TX. (C. Zambrano, N. Parr, A.B. Falsetti, L. Freas, and M. Warren).
- 2007 Isotopic Determination of Region of Origin in Modern Peoples: Applications for identification of U.S. war-dead from the Vietnam conflict II. *Proceedings American Academy of Forensic Sciences*, p. 355. Paper presented at the Annual Meeting of the American Academy of Forensic Sciences, San Antonio, TX. (L. Regan, A.B. Falsetti, and A. Tyrrell).
- 2007 Morphological Variation of the Human Knee: Implications for Sex and Ancestral Designation. *Proceedings American Academy of Forensic Sciences*, p. 358. Paper presented at the Annual Meeting of the American Academy of Forensic Sciences, San Antonio, TX. (E. Waxenbaum, A.B. Falsetti, and D.H. Hunt).
- 2006 What Matters – Size or Shape? Three-dimensional analysis of craniofacial sexual variation among American populations. *Proceedings American Academy of Forensic Sciences*, p. 279. Paper presented at the 58th Annual Meeting of the American Academy of Forensic Sciences, Seattle Washington. (A. Ross, D. Slice, A.B. Falsetti, and E. Kimmerle).
- 2006 Isotopic Determination of Region of Origin in Modern Peoples: Applications for identification of U.S. war-dead from the Vietnam conflict. *Proceedings American Academy of Forensic Sciences*, p. 292. Paper presented at the 58th Annual Meeting of the American Academy of Forensic Sciences, Seattle Washington. (L. Regan, A.B. Falsetti, and A. Tyrrell).
- 2006 To Measure or not to Measure: An analysis of maximum length of the tibia. *Proceedings American Academy of Forensic Sciences*, p. 305. Paper presented at the 58th Annual Meeting of the American Academy of Forensic Sciences, Seattle Washington. (E. Waxenbaum, A.B. Falsetti, and D.H. Hunt).
- 2006 Lumbosacral Transition Vertebrae, Spondylolysis and Spondylolisthesis: Prevalence in a modern forensic population. *Proceedings American Academy of Forensic Sciences*, p. 318. Paper presented at the 58th Annual Meeting of the American Academy of Forensic Sciences, Seattle Washington. (with L. Freas).
- 2006 Forensic Science, the American Revolution, and the Mysterious Case of the “Bride of Fort Edward”. *Proceedings American Academy of Forensic Sciences*, p. 369. Paper presented at the 58th Annual Meeting of the American Academy of Forensic Sciences, Seattle Washington. (S. Williams, L. Levine, A.B. Falsetti, D. Starbuck, H. Buckley, C. Meyer, C. Levine, and L. Anderson).
- 2004 Skulls for Sale -- Provenance for Human Crania for Importation. Paper presented at the National Association of Medical Examiner's Annual Meeting, Nashville, TN (with M. Bowes).
- 2004 Footnotes: Diabetic Osteopathy used in Human Identification. Paper presented at the 56th Annual Meeting of the American Academy of Forensic Sciences, Dallas, TX (H. Walsh-Haney, A.B. Falsetti, and J.J. Schultz).
- 2004 Personal Identification and Death Investigation of Documented and Undocumented Migrant Workers in Florida: Demographic, Biographic and Pathological Factors. Paper presented at the 56th Annual Meeting of the American Academy of Forensic Sciences, Dallas, TX (A.B. Falsetti, H. Walsh-Haney, and M.J. Burt).

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- 2003 Postmortem Interval (PMI) Determined by Analyzing Temperature Variations of Maggot Masses. 55th Annual Meeting of the American Academy of Forensic Sciences, Chicago, IL. (S.L. Peters, J.F. Butler, J.A. Hogsette, A.B. Falsetti, and R. Rutledge).
- 2003 Rituals Among the Santeria: Contextual Clues and Forensic Implications. 55th Annual Meeting of the American Academy of Forensic Sciences, Chicago, IL. (H. Walsh-Haney, R.W. Motte, A.B. Falsetti, and J.J. Schultz).

PAPERS PRESENTED AT PROFESSIONAL MEETINGS (Continued):

- 2002 Masking Identity: The affects of corrosive household agents on soft tissue, bone and dentition. Paper presented at the 54th Annual Meeting of the American Academy of Forensic Sciences, Atlanta, GA. (with T.L. Dupras, J.E. Lang, H.L. Reay, J.J. Schultz, A.B. Falsetti, N.A. Palma).
- 2002 Population Specific Identification Criteria for Cuban Americans in South Florida. Paper presented at the 54th Annual Meeting of the American Academy of Forensic Sciences, Atlanta, G.A. (A.H. Ross, D. Ubelaker, A.B. Falsetti, and D.E. Slice).
- 2001 Craniofacial Variation in Three Balkan Populations: An example of the utility of 3-D data. Paper presented at the 53rd Annual Meeting of the American Academy of Forensic Sciences, Seattle, WA. (A.H. Ross and A.B. Falsetti).
- 2000 Where the heck is Samuel Washington: Skeletal Remains Recovered From Harewood Cemetery. Paper presented at the 52nd Annual Meeting of the American Academy of Forensic Sciences, Reno, NV. *Proceedings of American Academy of Forensic Sciences*, 6:132-133.
- 2000 A Taphonomic Profile to Aid in the Recognition of Human Remains Form Historic Contexts. Paper presented at the 52nd Annual Meeting of the American Academy of Forensic Sciences, Reno, NV. *Proceedings of American Academy of Forensic Sciences*, 6:210.
- 2000 Hyperostosis Cranii ex vacuo: Occurrence in Adults as a Consequence of Brain Atrophy From Diverse Causes. Paper presented at the 52nd Annual Meeting of the American Academy of Forensic Sciences, Reno, NV. *Proceedings of American Academy of Forensic Sciences*, 6:218-219.
- 2000 Is Anastasia Still Missing? An Alternative View of the Identification of Tsar Nicholas II's Family. Paper presented at the 52nd Annual Meeting of the American Academy of Forensic Sciences, Reno, NV. *Proceedings of American Academy of Forensic Sciences*, 6: 221-222.
- 1999 Post Mortem Movement and Dispersal of *Sus scrofa* in a Florida Woodland Environment. Paper presented at the 51st Annual Meeting of the American Academy of Forensic Sciences, Orlando, FL. *Proceedings of American Academy of Forensic Sciences*, 5:211.
- 1999 Physical Anthropology and Forensic Science. Paper presented at the 51st Annual Meeting of the American Academy of Forensic Sciences, Orlando, FL. *Proceedings of American Academy of Forensic Sciences*, 5:2.
- 1998 A Thousand Tales of Dead Men: The Forensic Anthropology Cases of William R. Maples, PhD. Co-Organizer with Dana Austin-Smith, PhD for a Symposium: The Life's Work of William R. Maples - A Tribute by His Colleagues, Students and Friends. Paper presented at the 50th Anniversary Meeting of the American Academy of Forensic Sciences, San Francisco, CA. *Proceedings of American Academy of Forensic Sciences*, 4:191.
- 1994 A Quantitative Assessment of Sexual Dimorphism of the Metacarpals, and Proximal, Middle, and Distal Phalanges. Paper presented at the 46th annual meeting of the American Academy of Forensic Sciences, San Antonio, TX. *Proceedings of American Academy of Forensic Sciences*, 164-165.
- 1992 Estimations of Error in Reported Weights on Driver's Licenses. Paper presented at the 44th annual meeting of the American Academy of Forensic Sciences. New Orleans, LA. (with P. Willey). *Proceedings of American Academy of Forensic*

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Sciences, 169.

- 1990 The Inaccuracy of Stature Reported on Driver Licenses. Paper presented at the 42nd annual meeting of the American Academy of Forensic Sciences, Cincinnati, Ohio. (with P. Willey). *Proceedings of American Academy of Forensic Sciences*, 141.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS (Continued):

- 1989 Sexual Dimorphism of the Humerus in a Modern American White Sample. Paper presented at the 41st annual meeting of the American Academy of Forensic Sciences, Las Vegas, Nevada. (with R.L. Jantz and P.H. Moorc-Jansen). *Proceedings of American Academy of Forensic Sciences*, 115.
- 1988 Saw Marks on Bone: Any way you cut it. I. Paper presented at the 40th annual meeting of the American Academy of Forensic Sciences, Philadelphia, Pennsylvania. (S. Symes, M. Guilbeau, A.B. Falsetti, and C. Harlan). *Proceedings of American Academy of Forensic Sciences*, 108.
- 1988 Sex Determination in the Post-crania: A test of the Iscan and Miller-Shavit, Di Bannardo and Taylor Femur and Tibia Discriminant Functions using a Modern Forensic Sample. Paper presented at the 40th annual meeting of the American Academy of Forensic Sciences, Philadelphia, Pennsylvania. (A.B. Falsetti, P.H. Moorc-Jansen and R.L. Jantz). *Proceedings of American Academy of Forensic Sciences*, 112.
- 1987 The Inaccuracy of Height and Weight Information on Driver Licenses. Paper presented at the 39th annual meeting of the American Academy of Forensic Sciences, San Diego, California. (P. Willey and A.B. Falsetti). *Proceedings of American Academy of Forensic Sciences*, 126.

Other Associations Including International Symposia:

- 2004 Getting Away with Murder: Detection of Controlled Forensic Burials Using GPR. Poster presented at the Soil Science Society of America, Seattle, Washington. (Schultz J, M. Collins, and A.B. Falsetti).
- 2003 The Role of Forensic Anthropology in the Identification of Human Remains in the Aftermath of a Mass Fatality Incident: New Approaches to Recovery and the Identification Process. Pittcon 2003, 9-14 March 2003, Orlando, Florida.
- 2003 The Application of GPR in Florida for Detecting Forensic Burials. Symposium on the Application of Geophysics to Engineering and Environmental Problems. (S. Koppenjan, J.J. Schultz, M.E. Collins, A.B. Falsetti, S. Ono, and H. Lee).
- 2000 Craniofacial Variation in the Americas: Pre and Early European contact. Paper presented at the Asociacion Latinoamericana de Antropologia Biologica. Piriapolis (Uruguay). (A.H. Ross, A.B. Falsetti, and D. Ubelaker).
- 1999 Differences in Intercondylar Notch Geometry Between Males and Females. Paper presented at the 23rd Annual Meeting of the American Society of Biomechanics, Pittsburgh, Pennsylvania. (M.D. Tillman, K.R. Smith, A.B. Falsetti, J.L. Pattishall, and J.A. Bauer) *American Journal of Sports Medicine*
- 1999 Overview of Forensic Anthropology and Recovery of Human Skeletal Remains. Paper presented at the National Institute of Scientific Investigation, Symposium of Korean Society of Forensic Medicine, Seoul, Korea.
- 1999 Lower Extremity Skeletal Variations and ACL Injury. Paper presented at the American College of Sports Medicine 46th Annual Meeting, Seattle, Washington (J. Bauer, M. Tillman, A.B. Falsetti, K. Smith and T. Kaminski). *Medicine & Science in Sports & Exercise*, 31:S295.
- 1988 Saw Marks on Bone: Any way you cut it. II. Paper presented at the Southern Association of Forensic Scientists, Memphis, Tennessee. (S. Symes, M. Guilbeau, A.B. Falsetti, and C. Harlan).

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RESEARCH GRANTS SUBMITTED:

Factors Affecting Cranial Morphology: A geomorphic investigation, National Science Foundation, 5,372.00. PI.

Florida Mass Casualty Incident Response Team (FL-MCIRT). Division of Emergency Management, State of Florida. 151,965. Co-PI.

A Multidisciplinary Approach to Locating Clandestine Graves in Florida. Lucas Grant. 1999. P.I.

Application of Ground-Penetrating Radar to Forensic Anthropology. Opportunity Grant sponsored by Office of Research, Technology and Graduate Education, University of Florida. 1999. \$12,960. Co-P.I..

Gender Differences and Predisposition Toward Anterior Cruciate Ligament Injuries: A Biomechanical and Anthropological Approach. NATA (National Athletic Trainers Association). 1998. \$26,661. Co-P.I.

RESEARCH GRANTS RECEIVED:

Florida Mass Casualty Incident Response Team (FL-MCIRT). Division of Emergency Management, State of Florida. 2003-2004. 90,000. Co-PI.

Forensic Applications of Ground Penetrating Radar. Bechtel Nevada. 2001. 22,651.88. P.I.
Renewed 2003-2004.

The William R. Maples Center for Forensic Medicine, a BOR Type-II. Approved by the Board of Regents 10/11/99.

Florida Taphonomy: Postmortem Cranial Movement through Woodland and Wetland Ecosystems. Forensic Sciences Foundation, Lucas Research Grant. 1998. \$528. Co-P.I.

Gender Differences and Predisposition Toward Anterior Cruciate Ligament Injuries: A Biomechanical and Anthropological Approach – Pilot Study. Opportunity Grant sponsored by Office of Research, Technology and Graduate Education, University of Florida. 1998. \$26,850. P.I.

Search, Recovery and Identification of the Romanov Children. Wentworth Foundation. 1997. 5,000. P.I.

Fetal Alcohol Syndrome: Anthropometric Survey. Supplemental Request. State of New Mexico. 1996. 90,000. P. I.

Fetal Alcohol Syndrome: Anthropometric Survey. State of New Mexico. 1994-1996. 177,000. P. I.

INVITED TEACHING POSITIONS:

<i>Faculty</i>	Police/Medical Investigation of Death Seminar Dade County Florida, Since 1998.
<i>Co-course Coordinator</i>	Bradford University, Bradford, UK. 1st Annual Forensic Anthropology Course 1996.
<i>Co-course Director</i>	Armed Forces Institute of Pathology 9th Annual Forensic Anthropology Course 1996.
<i>Co-course Director</i>	Armed Forces Institute of Pathology 8th Annual Forensic Anthropology Course 1995.
<i>Faculty.</i>	Armed Forces Institute of Pathology 7th Annual Forensic Anthropology Course 1994.
<i>Co-Course Director.</i>	Armed Forces Institute of Pathology 6th Annual Forensic Anthropology Course 1993.
<i>Faculty.</i>	Armed Forces Institute of Pathology 5th Annual Forensic Anthropology Course 1992.
<i>Faculty.</i>	The Office of the Medical Investigator, State of New Mexico 20th Annual Medicolegal Investigation of Death Forensic Science Seminar 1993

HONORS, AWARDS, AND PROFESSIONAL CITATIONS:

Appreciation, State of New York, Office of the Suffolk County Medical Examiner (TWA 800 Crash, August 1996)

Appreciation, State of New York, State Emergency Management Office (TWA 800 Crash, August 1996)

Appreciation, State of Oklahoma, Office of the Medical Examiner (Oklahoma City Bombing, April 19, 1995)

Appreciation, Oklahoma State Funeral Directors (Oklahoma City Bombing, April 19, 1995)

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Appreciation, United States Public Health Service (Activation, 1995: Oklahoma City, OK)

Appreciation, Federal Aviation Administration, 1995.

Diplomate, American Board of Forensic Anthropology, 1995, No. 47.

Appreciation, American Airlines (American Eagle Flight 4184 Crash: Roselawn, IN, 1994)

Appreciation, National Disaster Medical System (Activation 1994: Albany, Georgia)

Appreciation, United States Public Health Service (Activation 1994: Albany, Georgia)

Ph.D., University of Tennessee, with Highest Honors.

University of Tennessee - Oak Ridge Associated Universities *Saguinus* Collection Curator.

SIGMA XI Research Society of North America.

M.A., University of Tennessee, with High Honors.

B.A., University of Tennessee, with High Honors.

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