

SUSAN MILBRATH

Florida Museum of Natural History, University of Florida, Box 117800, Gainesville, FL 32611  
Telephone: 352-273-1918; Web link on [www.flmnh.ufl.edu/](http://www.flmnh.ufl.edu/)

EDUCATION:

Ph.D. Columbia University, Pre-Columbian Art and Archaeology, 1975. Dissertation Title: "A Seriation of Olmec Monumental Sculpture from Mexico."

M.Phil. Columbia University, Primitive and Pre-Columbian Art, 1973.

B.A. Columbia University, Art History, 1970. Graduated Phi Beta Kappa.

PROFESSIONAL POSITIONS:

Appointed to Graduate Faculty, School of Art and Art History, November 2002.

Appointed to the Graduate Research faculty July 1999.

Curator of Latin American Art and Archaeology, Department of Natural History, Florida Museum of Natural History, August 1998-present.

Associate Curator of Latin American Art and Archaeology, January 1998-July 1998.

Affiliate Professor of Anthropology, Department of Anthropology, University of Florida, July 1996-present.

Associate Curator, Department of Interpretation, Florida Museum of Natural History, Gainesville, July 1992-January 1998. Transferred to Department of Natural History as

Affiliate Graduate Faculty, Center for Latin American Studies, University of Florida, August 1988-present.

Assistant Curator, Department of Interpretation, Florida Museum of Natural History, August 1987-July 1992.

Visiting Curator of Pre-Columbian Art, Mint Museum, Charlotte, July 1986-June 1987.

Visiting Associate Curator, Department of Anthropology, Florida State Museum, December 1985-May 1986.

Producer for PBS, WUFT Channel 5; Gainesville, producing "Arts Update," January 1985-December 1985.

Adjunct Associate Curator, Department of Anthropology, Florida State Museum, May 1983-December 1985.

Guest Curator, Museum of the American Indian, New York City,  
December 1981-October 1984.

Research Associate, Museum of the American Indian, New York City,  
July 1980-December 1981.

Tinker Post-doctoral Fellow, Yale University,  
July 1979-June 1980.

Assistant Professor of Art History, Art Department, University of Florida,  
August 1977-June 1979.

Adjunct Curatorial Assistant, Lowie Museum of Anthropology, Berkeley,  
Spring 1976.

Adjunct Instructor of Pre-Columbian Art, Department of Art, Hunter College,  
Spring 1974.

COURSES TAUGHT, University of Florida:

Maya Archaeoastronomy and Ethnoastronomy (Graduate): Spring 2000, 2004, 2006, 2010.

Painted Books of Ancient Mexico (Graduate): Spring 2003, 2005, 2009.

Mesoamerican Codices (Graduate), Spring 1999: Spring 2002.

Ethnoastronomy (Graduate and Undergraduate Classes): Spring 1997.

Art History Museum Studies Graduate Seminar: Spring 1996

History, Philosophy and Purposes of Museums, Graduate and Undergraduate Seminars: Fall 1992,  
Spring 1995, 1996.

Pre-Columbian Art and Architecture: 1978-1979.

Survey of Western Art: 1978-1979.

Survey of Pre-Columbian and Colonial Art: 1977.

M.A. and PH.D. COMMITTEES, University of Florida:

Chaired M.A. Committees, Museum Studies Program, 2001-present

Chaired M.A. Committees, Anthropology Department, 1999-present.

Served on M.A and Ph.D. Committees, Anthropology Department, 1988-present.

Chaired M.F.A. Committees, Art Department, 1977-1979.

PUBLICATIONS (all sole authored unless noted otherwise):

Heavenly History: Ancient Mexican Astronomy in the Codex Borgia, University of Texas Press, in press.

El Escribano de Mayapán (second author with Carlos Peraza, Arqueología Mexicana, Vol. XVIII (104),  
2010:18-20 (second author with Carlos Peraza Lope).

Religious Imagery in Mayapán's Murals. PARI Journal. Vol X (3):1-10, 2010. (Susan Milbrath, Carlos  
Peraza Lope, Miguel Delgado Kú).

Maya Ethnoastronomy, Glimpse Journal: The Art + Science of Seeing, vol. 24: 24-27, 2010

The Legacy of the Classic and Terminal Classic Periods at Postclassic Mayapán. Latin American Antiquity 20(4):581-606, 2009. (first author with Carlos Peraza Lope).

Clash of Worldviews in Late Mayapan. In Maya Worldviews at Conquest, Leslie Cecil and Timothy W. Pugh (editors), University Press of Colorado, Boulder, 183-204, 2009. (first author with Carlos Peraza Lope).

Archaeoastronomy, Ethnoastronomy, and Cultural Astronomy. In Handbook of Space Engineering, Archaeology, and Heritage, Ann Garrison Darrin and Beth Laura O'Leary (editors), pp.156-192, CRC Press, Taylor & Francis Group, Boca Raton, 2009.

Review of Twin Tollans: Chichén Itzá, Tula and the Epiclassic to Early Postclassic Mesoamerican World by Jeff Karl Kowalski and Cynthia Kristan-Graham Journal of Field Archaeology Vol 33:284-29, 2008.

Effigy Censers of the Chen Mul Modeled Ceramic System and their Implications for Late Postclassic Maya Interregional Interaction. Mexicon XXX(5):93-96, 2008 (first author with Jim Aimers, Carlos Peraza Lope, Lynda Florey Folan).

Just How Precise is Maya Astronomy. Institute of Maya Studies Newsletter, December 36(12):1-2, 2007.

Mayapan's Effigy Censers: Iconography, Context, and External Connections. Final Report to the Foundation for Mesoamerican Studies, 2007. <http://www.famsi.org/reports/05025/index.html>.

Astronomical Cycles in the Imagery of Codex Borgia 29-46. In Cultural Astronomy in New World Cosmologies. Clive Ruggles and Gary Urton (editors), pp. 157-207. University Press of Colorado, Boulder, 2007.

A Hammock with a History. The Latinamericanist vol 38(2):4, 2007.

Incensarios efigie de Mayapán: iconografía, contexto y relaciones externas. Ketzalcalli, 2:19-32, 2007. (first author with Carlos Peraza Lope).

Armageddon at Postclassic Mayapan. Natural History 115(6): 60-63 (Florida Museum Section), 2006.

Ethnoastronomy in Cultural Context. (Review article) Cambridge Archaeological Journal 16(3):364-368, 2006.

The Classic Katun Cycle and the Retrograde Periods of Jupiter and Saturn. Archaeoastronomy Journal XVIII: 81-97, 2005.

The Last Great Capital of the Maya. Archaeology 58(2): 27-30, 2005.

Jupiter in Classic and Postclassic Maya Art. In Current Studies in Archaeoastronomy: Selected Papers from the Fifth Oxford International Conference at Santa Fe, 1996. John Fountain and Rolf Sinclair (editors), pp. 301-329, Carolina Academic Press, Durham, NC, 2005.

Chichen Itza's Legacy in the Astronomically Oriented Architecture of Mayapan. RES 45: 123-143, spring 2004. (second author, with Anthony F. Aveni and Carlos Peraza).

Revisiting Mayapan: Revisiting Mayapan: Mexico's Last Maya Capital. Ancient Mesoamerica, vol. 14(2): 1-47, 2003. (first author, with Carlos Peraza Lope).

Review of Skywatchers, by Anthony F. Aveni. Latin American Antiquity, vol. 14: 88-89, 2003.

Mayapan's Scribe: A Link with Classic Maya Artists. Mexicon vol. XXV: 120-123, 2003. (first author, with Carlos Peraza).

The Planet of Kings: Jupiter in Maya Cosmology. In Cosmos and History: A Mesoamerican Legacy. Andrea Stone (editor), pp. 118-142. University of Alabama Press, Tuscaloosa, AL, 2002.

New Questions about the Authenticity of the Grolier Codex. Journal of Latin American Literatures, vol. 18(1): 50-83, 2002.

El Códice Grolier Revisado. Los Investigadores de la cultura Maya, vol. 10 (2): 337-348, 2002.

Entries on calendar wheels, moon, sun. In Oxford Encyclopedia of Mesoamerican Cultures. David Carrasco, editor-in-chief, vol. 1, pp. 128-130, vol. 2, pp. 340-341, vol. 3, pp. 173-174. Oxford University, Oxford, England, 2001.

Mayan Perspective. Explore, p. 22, fall 2001.

Xochiquetzal and the Lunar Cult of Central Mexico. In Precious Greenstone, Precious Feather/ In Chalchihitl in quetzalli: Essays on ancient Mexico in honor of Doris Heyden, Elizabeth Quiñones Keber (editor), pp. 31-55. Labyrinthos, Lancaster City, CA, 2000.

Star Gods of the Maya: Astronomy in Art, Folklore, and Calendars. University of Texas Press, Austin, 1999.

Decapitated Lunar Goddesses in Aztec Art, Myth, and Ritual. Ancient Mesoamerica 8:1-22, 1997.

Preface, Birds and Beasts of Ancient Latin America, Elizabeth P. Benson (author), pp. xvii-xix. University Press of Florida, 1997.

Comments on Astronomical References in the Throne Inscription at Uxmal by Harvey Bricker and Victoria Bricker. Cambridge Archaeological Journal 6(2):215, 1997.

Cross Constellations as Celestial Trees in Classic Maya Iconography. Pre-Columbian Art Research Institute Newsletter May:3-5, 1997.

Postclassic Maya Metaphors for Lunar Motion. In Eighth Palenque Round Table, 1993, Martha Macri and Jan McHargue (volume editors), pp. 379-391. The Pre-Columbian Art Research Institute, San Francisco, 1996.

Gender and Roles of Lunar Deities in Postclassic Central Mexico and their Correlations with the Maya area. Estudios de Cultura Nahuatl 39:45-93, 1995.

Eclipse Imagery in Mexica Sculpture from Central Mexico. Vistas in Astronomy 25:479-502, 1995.

A New Interpretation of the Dresden Codex Venus Pages. Cantos de Mesoamérica, Daniel Flores (editor), pp. 275-292. UNAM, Mexico City, 1995.

Launching the Niña: "First Encounters" Goes on the Road. Exhibit Builder, May/June: 22, 1993.

Mesoamerican Archaeoastronomy. In Encyclopedia of Time, Samuel Macey (editor), pp. 386-388. Garland Press, New York, 1992.

Columbian Conflict Museum News, September/October: 34-37, 1991 (first author with Jerald T. Milanich).

Representations of Caribbean and Latin American Indians in Sixteenth-Century European Art. Archiv für Völkerkunde 45:1-38, 1991.

The Contact Years: 1492-1570. Archaeology 43(7): 38-41, 1990.

Review of Feathered Serpents and Flowering Trees: Reconstructing the Murals of Teotihuacan, Kathleen Berrin (editor). American Antiquity 55(2): 428-429, 1990.

Introduction. Arms and Armor of the Conquistador, 1492-1600. Florida Museum of Natural History, Gainesville, 1990.

First Encounters: An Exhibit Guide Florida Museum of Natural History, 1990. (first author with Jerald T. Milanich).

Review of Book of the Year by Munro S. Edmonson. Latin American Anthropology Review 3(2): 85-86, 1991.

First Encounters: Spanish Explorations in the Caribbean and United States, 1492-1570, Jerald T. Milanich and Susan Milbrath (editors). University of Florida Press, Gainesville, 1989.

Another World In First Encounters: Spanish Explorations in the Caribbean and United States, 1492-1570, Jerald T. Milanich and Susan Milbrath, (editors), pp. 1-26. University of Florida Press, Gainesville, 1989. (second author with Jerald T. Milanich).

Old World Meets New: Views across the Atlantic. In First Encounters: Spanish Explorations in the Caribbean and United States, 1492-1570, Jerald T. Milanich and Susan Milbrath (editors), pp. 183-211. University of Florida Press, Gainesville, 1989.

A Seasonal Calendar with Venus Periods in Codex Borgia 29-46. In Imagination of Matter: Religion and Ecology in Mesoamerican Traditions, David Carrasco (editor). British Archaeological Review (B.A.R.) International Series 515, pp. 103-128. Oxford, England, 1989.

Birth Images in Mexica-Puebla Art. In The Role of Gender in Pre-Columbian Art and Architecture, Virginia Miller (editor), pp. 153-177. University Press of America, Lenham, Maryland, 1988.

Representación y orientación astronómica en la arquitectura de Chichén Itzá. Boletín de la Escuela de Ciencias Antropológicas de la Universidad de Yucatán, vol. 15, no. 89: 25-40, 1988.

Astronomical Images and Orientations in the Architecture of Chichen Itza. In New Directions in American Archaeoastronomy, Anthony F. Aveni (editor). Proceedings of the 46th International Congress of Americanists, British Archaeological Review (B.A.R.) International Series 454, pp. 57-79. Oxford, England, 1988.

Review of Painted Architecture and Polychrome Monumental Sculpture in Mesoamerica, Elizabeth Boone (editor). American Antiquity, vol. 52(3), pp. 665, 1987.

A Glimpse of New World Life 3,500 Years Ago. Mint Museum Member News, September-October: 1-8, 1987.

Review of Arts of the Indian Americas by Jamake Highwater, American Antiquity, vol. 50(1): 196-197, 1985.

Gallery Guide: Robicsek Gallery of Precolumbian Art. Mint Museum, Charlotte, 1987.  
Your Horoscope According to the Aztec Calendar. Prepared for the "Star Gods of the Ancient Americas" exhibit at the American Museum of Natural History, Advocate Press, New Haven, 1983.

Astronomical Imagery in the Serpent Sequence of the Codex Madrid. In Archaeoastronomy in the Americas, R. A. Williamson (editor), Ballena Press Anthropological Papers 22, pp. 263-284. Center for Archaeoastronomy, College Park, Maryland, 1981.

Star Gods and Astronomy of the Aztecs. In La antropología americanista en la actualidad, homenaje a Raphael Girard, pp. 289-304. Editores Mexicanos Unidos, Mexico City, 1980.

A Star Calendar in the Codex Madrid. In La antropología americanista en la actualidad, homenaje a Raphael Girard, pp. 445-464. Editores Mexicanos Unidos, Mexico City, 1980.

A Study of Olmec Sculptural Chronology. Studies in Pre-Columbian Art and Archaeology 23, Dumbarton Oaks, Trustees for Harvard University. Washington, D.C., 1979.

## EXHIBITS CURATED OR DIRECTED:

"Voicing Indigenous ARTifacts." Temporary exhibit in Focus Gallery at the Harn Museum of Art, funded by Madelyn M. Lockhardt endowment, Selection of feather body ornaments from Florida Museum of Natural History's Amazonian collection. As Faculty Consultant (project director) advised graduate student who served as curator. On display July through September 2009.

"Down Like Lead: 400 Years of Florida Shipwrecks." Temporary exhibit at Powell Hall, Florida Museum of Natural History, March 2000. Toured Southeast through 2002. As Project Director supervised production of this 4,000 square-foot exhibition, and as Curator selected artifacts and visuals, and wrote 75 pp. script with several University of Florida students.

"Shamanism, Magic, and the Busy Spider," an 1800-sq. ft. temporary exhibition of contemporary Native American art on display at Powell Hall, Florida Museum of Natural History, January-May 1998. As Project Director, negotiated loan and organized exhibition display.

"Birds and Beasts of Ancient Latin America," a 4000-sq. ft. traveling exhibition of 150 artifacts. Opened at the University of Pennsylvania Museum of Archaeology and Anthropology. Touring to 7 cities October 1995-May 1998. Featured as the inaugural exhibit for the 1998 opening of Powell Hall, the new exhibition and education center for the Florida Museum of Natural History. As Project Director organized consortium of four museums to implement the exhibition: Florida Museum of Natural History, University of Pennsylvania Museum of Archaeology and Anthropology, Carnegie Museum of Natural History and California Academy of Sciences, San Francisco. Directed design staff producing graphic panels. As Co-curator, selected graphics, artifacts, and co-authored exhibition script with Elizabeth P. Benson, 65 pp. typescript.

"Animal Imagery in Latin American Folk Art," a temporary exhibition of 40 artifacts on display at Powell Hall, Florida Museum of Natural History, January-May 1998. As Curator, selected artifacts and authored exhibition script, 12 pp. typescript.

"Stephens and Catherwood Among the Maya," a temporary exhibition of 19th-century lithographs by Frederick Catherwood with text about the expedition led by John Lloyd Stephens. On display at the Florida Museum of Natural History, March-April 1993. As Project Director, organized display. As Curator, arranged for loan of prints and authored exhibition script, 6 pp. typescript.

"Made for the Trade: Seminole Indian Tourist Art." Opened spring of 1997 at Florida Museum of Natural History. As Project Director, organized display and edited script authored by a graduate student working under my direction.

"Images of the Maya," a traveling exhibit with 30 Mayan textiles and 30 photographs. 1998. As Project Co-director, directed design staff in preparing the exhibit for tour, and edited exhibit script and brochure authored by Laurie Wilkins.

"Hall of Maya Civilization," renovation of a permanent display at the Florida Museum of Natural History, including interpretative texts for dioramas, graphics, and a case of Maya artifacts.

Exhibition opened on March 1993. As Project Director, directed design staff and organized exhibition display. As Curator, selected artifacts and graphics, and authored exhibition script, 18 pp. typescript.

"Tatham Mound: A Time Capsule of Native American History," a traveling exhibition with 12 panels, replica artifacts, and an exhibition video. On display at the Florida Museum of Natural History, February 1993-January 1994. Exhibition toured nationally through 1997. As Project Director, directed design staff organized exhibition display. As Curator, selected graphics and replica artifacts, and authored exhibition script, 28 pp. typescript.

"Seminole Arts," a temporary exhibition of 30 artifacts and photos on display at Florida Museum of Natural History, January 1992-February 1993. As Project Director, organized exhibition display. As Co-curator, selected artifacts and co-authored exhibition script with a graduate student working under my direction, 10 pp. typescript.

"Sixteenth-Century La Florida," a traveling exhibition with 18 panels, replica artifacts and an exhibition video. Opened January 1992 at Loxahatchee Historical Museum, Jupiter, Florida. Exhibition now touring nationally and internationally 1992-1996. As Project Director, directed design staff and organized exhibition display. As Co-curator, selected graphics and replica artifacts, and co-authored exhibition script with Jerald T. Milanich, 43 pp. typescript.

"Navajo Weavings 1870-1930," an exhibition of 20 Navajo textiles from the museum's Pearsall Collection. Exhibited at the Florida Museum of Natural History, September 1991-January 1992. As Project Director, directed design staff and organized exhibition display and edited exhibition script authored by a graduate student working under my direction.

"Seven Council Fires: 19th-Century Sioux Life on the Plains," an temporary exhibition of over 100 Plains artifacts and tipi diorama. Exhibited September 1991-August 1992 at the Florida Museum of Natural History. An abridged version of exhibition toured nationally to museums in Illinois, Pennsylvania, and Florida, 1993-1997. As Project Director, directed design staff, organized exhibition display. As Co-curator, selected artifacts and graphics, and co-authored exhibition script with Arlene Fradkin, 80 pp. typescript.

"Andean Textiles: The Fabric of Life," an exhibition of over 100 examples of Andean textiles and costumes. Exhibited at the Florida Museum of Natural History, March-August 1991. As Project Director, directed design staff, organized exhibition display, and edited exhibition script authored by a graduate student working under my direction.

"African Art from the Rita and John Grunwald Collection," A collection of 60 African art works from the University of Indiana Art Museum. Exhibited at the Florida Museum of Natural History, March-May 1990. As Project Director, arranged loan of exhibition and organized exhibition display. Co-sponsored by the Harn Museum of Art.

"Other World Faces, Other World Hands," an exhibition of African Art from local collections organized by the Grinter Gallery. Exhibited at the Florida Museum of Natural History, March-May

1990. As Project Director, arranged loan of the exhibition artifacts from local collectors, and organized exhibition display at the Florida Museum with the exhibition Curator, Robin Poynor.

"Conquistador: Spain in 16th-century La Florida," an exhibition featuring 33 panels with text and graphics. Opened February 1990, South Florida Museum and Bishop Planetarium, Bradenton. Traveling through 1992 to 10 cities, including Tuscaloosa, Tallahassee, Corpus Christi and Orlando. As Co-project Director, directed design staff, and organized exhibition display. As Co-curator, co-authored exhibition script with Jerald T. Milanich, 73 pp. typescript.

"First Encounters: Spanish Explorations in the Caribbean and United States, 1492-1570," a 4500-sq. ft. exhibition with over 500 Precolumbian, Spanish, and Spanish-Colonial artifacts, six dioramas, and a video display. Exhibited at the Florida Museum of Natural History, Gainesville, October 1989-January 1990. Toured 1990-1993 to nine cities, including New York, Dallas, Cincinnati, Minneapolis-St. Paul and Miami. As Co-project Director, directed design staff and negotiated exhibition insurance, venues for exhibition and contracts, and submitted reports to NEH. As Co-curator, selected artifacts and graphics, negotiated loan of artifacts and transport, and co-authored exhibition script with Jerald T. Milanich, 126 pp. typescript.

"Folk Arts and Crafts of the Andes," a collection of over 250 Andean art works from the collection of the Harn Museum of Art. Exhibited at the Florida Museum of Natural History, February-May 1989. As Project Director, arranged loan of the exhibition and organized display with exhibition Curator, Roy C. Craven.

Temporary exhibition: "Ceramics of the Ancient Maya," an exhibition of 25 works of ceramic art drawn from collections throughout the Southeastern United States. Exhibited at the Florida Museum of Natural History, Gainesville, September-November 1988. As Curator, selected artifacts, negotiated loans and transportation, and authored exhibition script, 30 pp. typescript.

Temporary exhibition: "Highlight of the Month," featuring different topics of current research at the Florida Museum of Natural History from November 1987-March 1989. As Curator, selected artifacts and authored nine exhibition scripts:

"Skulls of the Long-beaked Dolphin" (1989), "Lake Okeechobee Sediments" (1989).

"The Many Lives of Monitor Lizards" (1988), "Spanish Olive Jars in the New World" (1988),

"Shells of the Beal-Maltbie Collection" (1988), "Maya Ceramics: Selections from our Collection" (1988); "Tatham Mound Iron Chisel" (1987), "The Loons are Dying" (1987), "Fossil Great White Shark" (1987).

Permanent exhibition: "The Robicsek Gallery of Precolumbian Art," a 1600-sq. ft. exhibition of 250 artifacts. Permanent installation opened September 1987 at The Mint Museum, Charlotte, North Carolina. As Curator, selected artifacts and authored exhibition script, 95 pp. typescript.

Traveling exhibition: "Star Gods of the Ancient Americas," a 7000-sq. ft exhibition with 144 artifacts and an original animated film by Faith Hubley. Exhibited at the American Museum of Natural History, New York City, December 1982-March 1983. Toured nationally to Chicago and Houston, June 1983-October 1984. As Curator, selected artifacts and graphics, and authored exhibition script, 145 pp. typescript.

## SELECTED VIDEO PRODUCTIONS:

Producer and Scriptwriter of "Codex Nuttall," a three-minute computer animated video on the mythological origin of plants in Codex Nuttall, a Preconquest Mixtec screenfold book from Mexico, Spring 1993. Shown at reinstallation of Maya Hall, March 1993.

Producer and Scriptwriter of "Archaeology at Tatham Mound, Florida," a 5-minute video produced with Office of Instructional Resources, University of Florida, Spring 1993. Educational materials for Museum Studies course.

Producer and Scriptwriter of "Touch-screen Computer Exhibits," a 7-minute video produced with Office of Instructional Resources, University of Florida, Spring 1992. Educational materials for Museum Studies course.

Producer and Scriptwriter of "Computer Animation in Museum Exhibits," a 6-minute video produced with Office of Instructional Resources, University of Florida, Spring 1992. Educational materials for Museum Studies course.

Producer and Scriptwriter of "Making the Exhibit First Encounters," a 10-minute video produced with Office of Instructional Resources, University of Florida, Spring 1991. Educational materials for Museum Studies course.

Producer and Scriptwriter of "Museum Careers," an 8-minute video produced with Office of Instructional Resources, University of Florida, Fall 1990. Educational materials for Museum Studies course.

Producer and Scriptwriter of "Archaeology in the Field," a 6-minute video documentary produced with Courter Films, Summer 1989. Video component in "First Encounters" exhibit.

Producer and Scriptwriter of "Archaeology in the Lab," a 6-minute video documentary produced with Courter Films, exhibit, Summer 1989. Video component in "First Encounters" exhibit.

Producer of "On the De Soto Trail," a 17-minute video documentary on work by archaeologists, historians, and state officials to establish De Soto's route through Florida, aired by WUFT Channel 5, Gainesville, Summer 1985.

Producer of "St. Augustine: America's Oldest City," a 7-minute video documentary on recent archaeological work in the 16th century Spanish portion of the city, aired by WUFT Channel 5, Gainesville, Summer 1985.

Producer-Director of "Archer Amid the Oaks," a 22-minute video documentary on the history of a Central Florida community founded prior to the Civil War, aired by WUFT Channel 5, Gainesville, Spring 1985.

Producer-Director of "Faces From The Past," a 7-minute video documentary on the art of facial reconstruction from bone remains, aired by WUFT Channel 5, Gainesville, Spring 1985.

Producer of "Taino Treasures," a 7-minute video documentary on the ancient art of the Dominican Republic, aired by WUFT Channel 5, Gainesville, Spring 1985.

#### GRANTS:

Foundation for Advancement of Mesoamerican Studies, for research on Mayapan effigy censers: context, chronology, and external connections.

April 2005-Feb 2006: \$5,151.

Museum Loan Network, digital imaging and database for the Pearsall ethnographic collection.  
August 2002-July 2003: \$15,000.

Foundation for Advancement of Mesoamerican Studies, for research on Aztec astronomy.  
April 2000-August 2001: \$3,000.

Principal Investigator (Project Director and Curator), Florida Department of State Historical Museums Grants-in-Aid, "Interactive Displays for Florida Shipwreck Exhibit."  
August 1999-September 2000: \$34,705.

Scholarship Enhancement Fund Award, University of Florida.  
Study at Mayapán, Mexico.  
July 1999: \$3,000

Principal Investigator (Project Director and Curator), Florida Department of State Historical Museums Grants-in-Aid, "Down like Lead: Four Hundred Years of Florida Shipwrecks."  
August 1997-September 1998: \$33,180.

Principal Investigator (Project Director and Co-Curator), Florida Department of State Historical Museums Grants-in-Aid, "Rivers to the Sea: An exhibit about Precolumbian Northwest Florida."  
August 1996-July 1997: \$34,992.

Co-Principal Investigator (Project Co-Director), U.S. - Mexico Fund for Culture Grant, "Images of the Maya: a traveling exhibit of textiles and photographs."  
October 1996-September 1997: \$16,635.

Principal Investigator (Project Director and Curator), Florida Department of State Historical Museums Grants-in-Aid, "Tatham Mound: A Time Capsule of Native American History."  
August 1992-July 1993: \$8,500.

Principal Investigator (Project Director and Co-Curator), Florida Department of State Historical Museums Grants-in-Aid, "Sixteenth-century La Florida, an exhibit implementation grant."  
March-September 1991: \$15,500.

University of Florida, Office of Instructional Resources grant for video production.  
August-December 1991: \$2,500.

University of Florida, Office of Instructional Resources grant for video production.  
August-December 1990: \$2,400.

Tinker Field Research Grant for research in Bolivia.  
Summer 1990: \$1,230.

Principal Investigator. Division of Sponsored Research, Grant for graduate assistant.  
June 1988-May 1989: \$6,350.

Division of Sponsored Research, University of Florida, travel grant for international meeting.  
June 1988: \$600.

Co-Principal Investigator (Co-Project Director and Co-Curator) National Endowment for the Humanities Implementation Grant for the Exhibit, "First Encounters: Spanish Explorations in the Caribbean and Southeastern United States, 1492-1570."  
July 1987-October 1989: \$257,913.

Co-Principal Investigator (Co-Project Director and Co-Curator) National Endowment for the Humanities Planning Grant for an exhibit on Hernando de Soto.  
July 1985-June 1986: \$35,955.

Principal Author (Curator) of National Endowment for the Humanities Implementation Grant for "Star Gods of the Ancient Americas" Exhibit.  
January 1982-December 1983: \$50,000.

Tinker Post-Doctoral Fellowship for research on Aztec astronomical rituals at Yale University.  
August 1979-July 1980: \$15,000.

#### PROFESSIONAL SERVICE AND CONSULTATIONS:

Reviewer for Ancient Mesoamerica 1993-present.  
Reviewer for Latin American Antiquity 1989-present.

Pre-publication book reviews for University of Texas Press, 2004-present.  
Pre-publication book reviews for University Press of Colorado, 2003-present.  
Pre-publication book reviews for Oxford University Press, 1990-present.

Consultation in a collaborative planetarium exhibit for the Chabot Planetarium. "Maya Skies: El Universo Maya, Yol Ok K'aab." Chabot Space and Science Center, Oakland, CA. 2008-2009.

Consultant to on case involving Precolumbian artifacts for State Farm Insurance, Orlando, 2003-2004.

Reviewer for National Endowment for the Humanities Summer Stipend Program, 2004.

Reviewer for Journal of Archaeological Research, 2002.

Vice President of Archaeological Institute of America, Gainesville Chapter, 1994-1997.

Consultant to U.S. Customs Office, Tampa, Florida on illegal import of Precolumbian artifacts, 1993.

Consultant to the Mint Museum, Charlotte, 1990. Prepared catalogue entries for a future publication of the museum's collection of Central and South American art.

Grant proposal reviewer for National Geographic Society, 1991-present.

Consultant on renovation of archaeological displays at Mound State Monument, Moundville, Alabama, 1988. Attended a three-day workshop sponsored by the National Endowment for the Humanities. Authored an outline of major exhibit themes to be incorporated in an implementation grant submitted to NEH.

Panelist evaluating grants for National Endowment for the Humanities Projects in Museums and Historical Organizations, Washington, D.C., 1984, 1988.

Symposium Chair for "Art of the Maya," Mint Museum, Charlotte, 1987.

Symposium Chair Mesoamerican Session, Society for American Archaeology, 51st Annual Meeting, New Orleans, 1986.

#### PAPERS AND LECTURES:

Effigy Censers at Mayapán: Context, Iconography, and External Connections. Paper presented at the SAA symposium: "One More Tango at Mayapán: Studies of the Urban Life at a Late Maya Political Capital," St. Louis, MO, April 2010.

"Maya Codices, Caves, and Animals: Zooarchaeological and Symbolic Evidence." Invited lecture presented in the Symposium on Animal Symbolism in the Mesoamerican Codex Tradition, Latin American and Iberian Institute, University of New Mexico, Albuquerque, November 2009. (second author with Kitty Emery, Elyse Anderson and Erol Kavountzis).

"Los Murales de Mayapan y la Reform Religiosa," Paper presented at XIX Encuentro los Investigadores de la Cultura Maya. Universidad Autonoma de Campeche, Campeche, Mexico. November, 2009 (second author with Carlos Peraza Lope and Miguel Delgado Kú)

"Radical Reform in the Maya Worldview at Mayapan, Mexico's last Maya capital." Paper presented at the Institute of Maya Studies, Miami Museum of Science, October 2009.

“Cosmology and Worldview at Mexico’s Last Maya Capital: Evidence from Monumental Art and Architecture,” LAS Colloquium Latin American Studies Center, Gainesville, October 15, 2009 .

“Astronomical Evens and the Seasonal Cycle in the Veintena Calendar of the Codex Borgia.” Paper Presented at the 53rd International Congress of Americanists, Mexico City, July 2009.

“Religious Imagery in Mayapán’s Murals.” Paper presented at the 53<sup>rd</sup> International Congress of Americanists, Mexico City, July 2009 (first author with Carlos Peraza and Miguel Delgado Kú).

“Ode to Our Ancestors: Revival Style Architecture at Mayapan, Mexico’s Last Maya Capital.” Paper presented at the Annual Meeting of the Society for Architectural Historians, Pasadena, CA, April 2009.

“La Identidad étnica en la arquitectura de estilo Renacimiento en Mayapán. Invited Paper presented at the VI Mesa Redonda de Palenque: Arqueología, imagen y texto: Homanaje a Ian Graham. Chiapas, Mexico, November 2008.

“Portals and Passageways to the Underworld.” Symposium on Sex, Caves, and Cosmic Monsters, papers in honor of Andrea Stone. 73rd Annual Meeting of the Society for American Archaeology, Vancouver, Bristish Columbia, March 2008.

“Incensarios efigie de Maypán: iconografía, contexto y relaciones externas. Paper presented at an Invited symposium: Idolos en la cultura maya: su función y uso. VII Congreso Internacional de Mayistas, Mérida, Yucatán, México, July 2007 (with Carlos Peraza Lope).

“The Venus Almanac in Mesoamerica.” Sponsored Symposium on New Perspectives on Ancient Maya Astronomy. 72<sup>nd</sup> Annual Meeting of the Society for American Archaeology, Austin, Texas, April 2007.

“Postclassic Murals at Mayapan: A Window into the Mesoamerican World View. Invited paper at Fourth Annual Tulane Maya Maya Symposium, New Orleans, February 2007. (with Carlos Peraza Lope).

“The Central Mexican Presence at Postclassic Mayapan.” Paper presented at Mesoamerican Encounters: Contact among Indigenous Cultures in the Late Postclassic and Colonial Periods the Annual Meeting of the American Society for Ethnohistory, Colonial Williamsburg, November 2006. (with Carlos Peraza Lope).

“Astronomical Cycles in the Imagery of Codex Borgia 39-40.” Paper presented at Southeast Conference on Mesoamerican Archaeology and Ethnohistory, Florida Atlantic University, Boca Raton, February 2006.

"Searching for the King Planets Among the Maya," Invited lecture Volunteer Luncheon, Florida Museum of Natural History, December 2005.

“Maya Images of the Smoking Mirror Deity.” Invited paper at International Symposium on Tezcatlipoca: Trickster and Supreme Deity. University of London, November 2005.

“Almanque de Venus en Yucatán,” Paper presented at Segundo Congreso Internacional de Cultura Maya, March 2005.

“Mayapan’s Effigy Censers: Iconography, Context and External Connections” (with Carlos Peraza Lope). Paper presented at Southeast Conference on Mesoamerican Archaeology and Ethnohistory. University of South Florida, Tampa, February 2005.

“The Legacy of the Classic and Terminal Classic Periods at Postclassic Mayapán. Paper presented at the Symposium Maya Worldview at Conquest. Annual Meeting of the Society for American Archaeology Montreal, Canada, April 2004.

“Revisiting Mayapán: Mexico’s Last Maya Capital.” Invited lecture, Maya Society of Minnesota, Minneapolis, 2002.

“A New Look at Venus Calendars in Maya Codices.” Invited workshop for Hamline College, Minneapolis, 2002.

Invited summary commentator for Tulane University conference: Madrid Codex Redux, sponsored by Carnegie Mellon Foundation, 2002.

“Star Crosses and Planetary Events in the Cross Group at Palenque, Invited lecture, Maya Weekend, University of Pennsylvania, Philadelphia, 2001.

“The Late Classic Katun cycle and Planetary Positions.” Paper presented at the symposium: Maya Archaeoastronomy, Annual Meeting of the Society for American Archaeology, New Orleans, 2001.

“El Códice Grolier Revisado.” Invited paper presented at the XI Encuentro Internacional: Los Investigadores de la Cultura Maya, Universidad Autónoma de Campeche, 2001.

“The Cosmic Monster and the Milky Way.” Paper presented at the Annual Meeting of the Society for American Archaeology, 2000.

“Skywatchers of the Ancient Americas.” Invited Lecture, Smithsonian Associates Program, Smithsonian Institution, Washington, D.C., 2000.

“Imagery of the Milky Way in Maya Cosmology.” Paper presented at International Symposium: Praying for Rain, International Congress of Americanists, Warsaw, Poland, 2000.

“The Astronomical Significance of the Cross Group at Palenque.” Invited lecture, Institute of Maya Studies, Miami Museum of Science, 2000.

“Astronomical Cycles in Classic Maya Concepts of Time at Palenque,” Invited lecture at Symposium: Investigating Time: Ancient to Modern. Nelson-Atkins Museum of Art, Kansas City, 2000.

"Star Gods of the Maya." Invited lecture, Colgate University Native American Studies Program, Hamilton, 2000.

"The Planet of Kings: Jupiter in Maya Cosmology." Paper presented at Invited Symposium, Cosmos and History in Mesoamerica: Papers in Honor of Linda Schele, 97th annual meeting of the American Anthropological Association, Philadelphia, 1998.

"Jupiter in Classic and Postclassic Maya Art." Paper presented at Fifth Oxford International Conference on Archaeoastronomy, Santa Fe, 1996.

"Cross Constellations as Celestial Trees in Classic Maya Iconography." Paper presented at Symposium on Metaphor in Mesoamerican Language and Symbolism, 95th annual meeting of the American Anthropological Association, San Francisco, 1996.

"Astronomical Images in Precolumbian Art." Invited Gallery Talk, Harn Museum of Art, Gainesville, Florida, 1995.

"Maya Imagery of the Heavens." Invited Lecture, Ars et Scientia Lecture Series, Harn Museum of Art, 1995.

"Astronomical Imagery in the Art and Architecture of Mexico, from Mexico south to Honduras." Invited Lecture, Alachua County Astronomy Club, Gainesville, 1995.

"Xochiquetzal as a Lunar Deity in the Codex Borgia." Paper presented at XVII International Congress of the History of Religions, Mexico City, 1995.

"A New Interpretation of the Dresden Codex Venus Pages." Invited paper presented at International Colloquium: Metodologías científicas en la búsqueda de conocimiento prehispánico. Universidad Nacional Autónoma de México, Mexico City, 1995.

"Eclipse Imagery in Mexica Sculpture of Central Mexico." Paper presented at International Symposium on Inspiration of Astronomical Phenomena, hosted by the Vatican Observatory, Rocca di Papa, Rome, 1994.

"Postclassic Maya Metaphors for Lunar Motion." Paper presented at VIII Palenque Mesa Redonda, Chiapas, Mexico, 1993.

"Decapitation of Lunar Deities in Ancient Central Mexico." Invited Lecture at International Symposium: Sobre la Muerte: Diverso Enfoques en torno a su significado, Tlaxcala, Mexico, 1993.

"Evening with Educators: Precolumbian Art and Culture." Invited Lecture, The Mint Museum, Charlotte, North Carolina, 1992.

"Controversial Issues Surrounding the Columbus Quincentenary." Invited Lecture, Pasco County Florida Humanities Council Institute, 1992.

"Conceptions and Misconceptions in the Earliest European Images of Latin American Indians." Invited Lecture, Miami Conference for Pre-Columbian Studies, Museum of Science, Miami, 1992.

"16th-Century European Images of Native Americans." Invited Lecture, 11th Annual Dinner, Beaches Area Historical Society, Ponte Vedra Beach, 1992

"Representations of Mexican Indians in Sixteenth-Century European Art." Symposium on Nahua ethnohistory, culture, and language, 91st annual meeting of the American Anthropological Association, San Francisco, 1992.

"European Images of the New World." Invited Lecture, Heritage Park, Pinellas County Historical Museum, Largo, Florida, 1990.

"Early European Images of the Americas." Invited Lecture, The Albuquerque Museum, 1990.

"The Moon in Mesoamerica: Celestial Observation Recorded in Metaphorical Imagery." Invited Lecture, Miami Conference for Pre-Columbian Studies, Museum of Science, Miami, 1990.

"The Moon in Mesoamerica: A Question of Changing Gender." Symposium on The Engendered Subject: Practice and Representation in Mesoamerica. American Anthropological Association. 89th Annual Meeting, New Orleans, 1990.

"First Encounters: From Design to Implementation." Invited Symposium on Traveling Exhibitions: Learning from Experience. Southeastern Museums Conference, Atlanta, 1989.

"A Seasonal Calendar in the Codex Borgia." Invited Lecture, Miami Conference for Precolumbian Studies. Museum of Science, Miami, 1989.

"Astronomical Images and Orientations in the Architecture of Chichén Itzá." Symposium: Etnoastronomía y arqueoastronomía en las Américas, 46th International Congress of Americanists, Amsterdam, Netherlands, 1988.

"Art and Architecture of the Classic Maya." Invited Lecture, Museum Scientist Series, Florida Museum of Natural History, Gainesville, 1988.

"Classic Maya Vase Painting." Invited Lecture, Mint Museum, Charlotte, 1988.

"Costa Rica and the Mesoamerican Frontier." Invited Lecture, Museum Scientist Series, Florida State Museum, Gainesville, 1988.

"Astronomical Imagery in Post-Classic Mexico." Invited Lecture, Archaeological Institute of America Gainesville, 1988.

"Seasonal Patterns of Sunlight in the Ball Court Complex of Chichen Itza." Symposium on Chichen Itza: Recent Advances in Archaeology, Epigraphy, and Art History, 53rd Annual Meeting of the Society for American Archaeology, Phoenix, 1988.

"The Sun and Venus in Early Post-Classic Mexican Art." Invited Symposium on Cross-Cultural Influences in Pre-Columbian Art. Lowe Art Museum, Miami, 1987.

"Interdisciplinary Topics for Museum Exhibits." Invited Lecture, University of Minnesota Conference on Perception and Presentation of the Past, Minneapolis, 1987.

"First Encounters: A Quincentennial Exhibition on Spanish Exploration in the New World, 1492-1570." Invited Lecture, Minneapolis Institute of Arts, Minneapolis, 1987.

"Astronomical Images in Mesoamerican Architecture. Paper presented at 51st Annual Meeting of the Society for American Archaeology, New Orleans, 1986.

"Images of Venus in the Codex Borgia Festival Calendar." Invited Symposium on Religion and Ecology in Mesoamerica, University of Colorado, Boulder, 1986.

"Birth Images in Ancient Mexican Art." Symposium on The Role of Gender in Pre-Columbian Art and Architecture, 45th International Congress of Americanists, Bogota, Colombia, 1985.

"Star Gods of the Ancient Americas." Invited Lecture, Smithsonian Resident Associate Program, Smithsonian Institution, Washington, D.C., 1983.

"The 'Sun King' in Ancient America." Symposium on Images of Rulership in Pre-Columbian America, Annual Meeting of the College Art Association, Philadelphia, 1983.

"Astrology and Destiny among the Aztecs and Mayas." Invited Lecture, American Museum of Natural History, New York City, 1982.

"The Solar Nadir in Mexican Myth and Iconography." Paper presented at International Archaeoastronomy Conference, Queen's College, Oxford University, England, 1981.

"The Big Dipper and Gemini in Mesoamerican Iconography." Paper presented at Conference on Archaeoastronomy in the Americas, St. John's College, Santa Fe, 1979.

"Star Gods and Astronomy of the Aztecs." Symposium on Problems in Iconography of Post-Classic Mesoamerica, 43rd International Congress of Americanists, Vancouver, British Columbia, 1979.

"Aztec and Central Mexican Star Patterns." Invited Symposium: American Indian Star Patterns, Colgate University, Hamilton, 1979.

"Star Gods of Ancient Mexico." Invited Lecture, Columbia University Seminar on Primitive and Pre-Columbian Art, New York City, 1979.

"A Harmony of Opposites: The Mesoamerican Cosmos in Art." Invited Lecture, Deans' Lecture Series, University of Florida, Gainesville, 1978.

"Day Patrons as Astronomical Symbols in the Codex Borgia." Paper presented at 26th Annual Meeting of the American Society of Ethnohistory, Austin, 1978.

"The Celestial Serpent." Invited Lecture, Institute of Maya Studies, Miami, 1978.

PROFESSIONAL SOCIETIES:

Archaeological Institute of America

Charter Member of National Museum of the American Indian

Society for American Archaeology

International Society of Archaeoastronomy and Astronomy in Culture