

Staff Publication List

(Note: date of publication may not agree with year of listing because fiscal years do not match calendar years or for other reasons)

2005

Alden, Harry A., Roland H. Cunningham, Kevin Ryan, Paul T. Jantzen, and David R. Dobbins. "Objects Worthy of Notice: Microscopical Anatomy of Selected Plants Collected by The Lewis & Clark Expedition," *Microscopy Today*, vol. 13, no. 3, May 2005, pp. 8, 10, 12, 14, 16-17.

Chemello, Claudia G., Lynn B. Brostoff, Roland H. Cunningham, and Harriet F. Beaubien. "Characterization of Metal Corrosion Products from Kaman-Kalehöyük Turkey by Energy Dispersive X-ray Spectroscopy (EDS) and X-ray Diffraction (XRD): Part 1. Five Copper Alloy Fibulae," *Anatolian Archaeological Studies*, vol. XIV, Kaman-Kalehöyük 14, Japanese Institute of Anatolian Archaeology, The Middle Eastern Culture Center in Japan, 2005, pp. 211-22.

Dussubieux, Laure, and Mary W. Ballard. "Using ICP-MS to Detect Inorganic Elements in Organic Materials: A New Tool to Identify Mordants or Dyes on Ancient Textiles," *Mater. Res. Soc. Symp. Proc.*, vol. 852, 2005.

Dussubieux, Laure, Dan Naedel, Roland Cunningham, Harry Alden, and Mary W. Ballard. "Accuracy, precision and investigation: mordant analysis on antique textiles by various methods," In *Preprints of the 14th Triennial Meeting ICOM Committee for Conservation, The Hague, 12-16 September 2005*, vol. 2, 2005, pp. 898-903.

Dussubieux, Laure, Sarah Eleni Pinchin, Jia-sun Tsang, and Charles S. Tumosa. "Non-destructive elemental analysis: reliability of a portable X-ray fluorescence spectrometer for museum applications," In *Preprints of the 14th Triennial Meeting ICOM Committee for Conservation, The Hague, 12-16 September 2005*, vol. 2, 2005, pp. 766-773.

Erhardt, David, and Charles S. Tumosa. "Chemical Degradation of Cellulose in Paper over 500 Years," *Restaurator*, vol. 26, 2005, pp. 151-158.

Erhardt, David, Charles S. Tumosa, and Marion F. Mecklenburg. "Long-Term Chemical and Physical Processes in Oil Paint Films," *Studies in Conservation*, vol. 50, no. 2, 2005, pp. 143-150.

Geier, Katharina. "Das Smithsonian Center for Materials Research and Education in Suitland, Maryland, bei Washington D.C.," *Restauro: Forum für Restauratoren, Konservatoren und Denkmalpfleger*, vol. 2, März 2005, pp. 82-83.

Goodway, Martha. "'Westphalian' fining: a tool mis-identified," *Historical Metallurgy*, vol. 39, no. 1, 2005, pp. 29-31.

Halsberghe, Lieve, David Erhardt, Lorraine T. Gibson, and Konrad Zehnder. "Simple methods for the identification of acetate salts on museum objects," In *Preprints of the 14th Triennial Meeting ICOM Committee for Conservation, The Hague, 12-16 September 2005*, vol. 2, 2005, pp. 639-647.

Halsberghe, Lieve, Lorraine T. Gibson, and David Erhardt. "A collection of ceramics damaged by acetate salts: conservation and investigation into the causes," In *Preprints of the 14th Triennial Meeting ICOM Committee for Conservation, The Hague, 12-16 September 2005*, vol. 1, 2005, pp. 131-138.

Mecklenburg, M.F., C.S. Tumosa, and D. Erhardt. "New Environmental Guidelines at the Smithsonian Institution," *Papyrus, International Association of Museum Facility Administrators*, vol. 5, no. 3, 2005, pp. 16-17.

Muñoz-Alcocer, Karla. "Conservation of the Polychrome Ceiling and Wall Paintings at the Santa Maria de Cuevas Mission," *AIC Paintings Specialty Group Postprints: Papers Presented at the Thirty-second Annual Meeting of the American Institute for Conservation of Historic & Artistic Works, Portland, Oregon, June 9-14, 2004*, vol. 17, compiled by Helen Mar Parkin. 2005, pp. 84-89.

Tumosa, Charles S., and Marion F. Mecklenburg. "[The influence of lead ions on the drying of oils](#)," *Reviews in Conservation*, no. 6, 2005, pp. 39-47.

Verlin, Marueen. "Art Conservation at the Crossroads of Art and Science," *Imagine...*, vol. 13, no. 2, November/December 2005, pp. 14-15

2004

Alden, Harry A. and Alvaro E. Galvis. "[On the Trail of the Fathers: The Serendipitous Santos](#)," *Microscopy Today*, vol. 12, no. 4, July 2004, pp. 8, 10, 12.

Ballard, Mary W. "Microbial growth on textiles: conflicting conventions." In *International Biodeterioration and Biodegradation. Postprints of Art, Biology and Conservation 2002: Biodeterioration of Works of Art, June 13-15, 2002, Metropolitan Museum of Art, New York City*, edited by Robert J. Koestler, Victoria H. Koestler, A. Elena Charola, and Fernando E. Nieto-Fernandez. 2003.

Ballard, Mary W. and Norman Indictor. "Germ Theory," in *Textile Specialty Group Postprints: American Institute for Conservation of Historic & Artistic Works, 32nd Annual Meeting, Portland, Oregon, June 2004*, vol. 14, edited by Julie Randolph, Kathleen MacKay, Robin M. Hanson. 2004, pp. 11-20.

Beaubien, Harriet F. "Excavation and Recovery of a Funerary Offering of Marine Materials from Copán." In *Maya Zooarchaeology: New Directions in Method and Theory*, edited by Kitty F. Emery. 2004, pp. 45-54.

Dussubieux, L. and L. van Zelst. "LA-ICP-MS analysis of platinum-group elements and other elements of interest in ancient gold," *Appl. Phys. A*, vol. 79, 2004, pp. 353-356.

Elban, Wayne L. and Martha Goodway. "Metallurgical Investigation of an Iron Cable Wire in a Gries-Gendell (Severson) Girder," *APT Bulletin*, vol. 35, no. 2-3, 2004, pp. 17-26.

Erhardt, David. "The art of restoration," *Nature*, vol. 431, September 23, 2004, pp. 410-411.

Erhardt, W. David, Charles S. Tumosa, David von Endt and Abdel-Salam M. El-Easely. "Collateral damage: anthrax, gas, and radiation." In *International Biodeterioration and Biodegradation. Postprints of Art, Biology and Conservation 2002: Biodeterioration of Works of Art, June 13-15, 2002, Metropolitan Museum of Art, New York City*, edited by Robert J. Koestler, Victoria H. Koestler, A. Elena Charola, and Fernando E. Nieto-Fernandez. 2003, pp. 72-79.

Geier, Katharina. "Gamekeepers of the Arctic: The Conservation of Two Tunghak Masks from the Nelson Collection," *Arctic Studies Center Newsletter*, no. 11, June 2004, 2 p.

Marte, Fernando, Caroline Solazzo, David von Endt, David Erhardt, and Charles Tumosa. "La estabilidad de especímenes de historia natural en colecciones preservadas en fluidos," *Patrimonio y desarrollo Boletín*, no. 9 (2003), pp. 6-8.

Mecklenburg, M., C. Tumosa, and A. Pride. "Preserving Legacy Buildings," *ABOK*, no. 7, 2004, 9 p. **Article is in Russian.**

Mecklenburg, Marion F., Charles S. Tumosa, and David Erhardt. "New Environmental Guidelines at the Smithsonian Institution," *Papyrus* (International Association of Museum Facility Administrators), vol. 5, no. 3, Winter 2004-2005, pp. 16-17.

Mecklenburg, Marion F., Charles S. Tumosa, and Alan Pride. "Preserving Legacy Buildings," *HVAC Retrofit: A supplement to ASHRAE Journal*, June 2004, pp. S18-23.

Olin, Jacqueline S. "Evidence That the Vinland Map is Medieval," *Analytical Chemistry*, vol. 75, no. 23, December 1, 2003, pp. 6745-6747.

Solazzo, C., D. Erhardt, F. Marte, D. von Endt, and C. Tumosa. "Effects of chemical and biological warfare remediation agents on the materials of museum objects," *Appl. Phys. A*, vol. 79, 2004, pp. 247-252.

Tsang, Jia-sun, Sarah Eleni Pinchin, Killis Almond, and Charles S. Tumosa. "Conservation of Murals in the Alameda Theatre: Reviving Former Cutting-Edge Fluorescent Paint and Black-Light Technology," In *Modern Art, New Museums: Contributions to the IIC Bilbao Congress, 13-17 September 2004*, edited by Ashok Roy and Perry Smith, 2004, pp. 185-188.

Tumosa, Charles S. "A Potential Source of Difficulty in the Initial Testing for Blood," *Forensic Science Communications*, vol. 6, no. 4, October 2004, 4 p.

Tumosa, Charles S., David Erhardt, David von Endt, and Abdel-Salam M. El-Easely. "Irradiation of Mail: Effects on Archival Museum Materials (Chapter 20)," In *Irradiation of Food and Packaging: Recent Developments*, ACS Symposium Series, edited by Vanee Komolprasert and Kim M. Morehouse. 2004. pp. 314-323.

Tumosa, Charles S. and Marion F. Mecklenburg. "Weight Change in Acrylic Emulsion Paints and the Implications for Accelerated Ageing," *WAAC Newsletter*, vol. 25, no. 3 (September 2003), pp. 12-14.

Wachowiak, Melvin J. "Efficient New Methods for Embedding Paint and Varnish Samples for Microscopy," *Journal of the American Institute for Conservation (JAIC)*, vol. 43, no. 3, 2004, pp. 205-226.

2003

Beaubien, Harriet F., Emily Kaplan and Monica Shah. "Textile-clay laminates: a new-found craft technology from ancient Mesoamerica." In *Materials Issues in Art and Archaeology VI: Symposium held November 26-30, 2001, Boston, Massachusetts, USA*, Materials Research Society Symposium Proceedings Volume 712, edited by Pamela B. Vandiver, Martha Goodway and Jennifer L. Mass, pp. 409-419. Warrendale, PA: Materials Research Society, 2002.

Bishop, Ronald L. "Five Decades of Maya Fine Orange Ceramic Investigation by INAA." In *Patterns and Process: A Festschrift in Honor of Dr. Edward V. Sayre*, edited by Lambertus van Zelst, pp. 81-91. Washington, DC: Smithsonian Institution Press. 2003.

Blackman, M. James. "Chemical Characterization of Clay Sealings from Arslantepe." In *Patterns and Process: A Festschrift in Honor of Dr. Edward V. Sayre*, edited by Lambertus van Zelst, pp. 173-182. Washington, DC: Smithsonian Institution Press. 2003.

Canouts, Veletta and Ronald L. Bishop. "Modern Measures of Traditional Hopi Pottery: Physical and Behavioral Sources of Variation in Hopi Pottery Production and Exchange, A.D. 1300-2000." In *Patterns and Process: A Festschrift in Honor of Dr. Edward V. Sayre*, edited by Lambertus van Zelst, pp. 135-155. Washington, DC: Smithsonian Institution Press. 2003.

Elban, Wayne L. and Martha Goodway. "Wrought iron wire from the Wheeling Suspension Bridge: a metallurgical assessment." In *Materials Issues in Art and Archaeology VI: Symposium held November 26-30, 2001, Boston, Massachusetts, USA*, Materials Research Society Symposium Proceedings Volume 712, edited by Pamela B. Vandiver, Martha Goodway and Jennifer L. Mass, pp. 511-523. Warrendale, PA: Materials Research Society, 2002.

Erhardt, David. "Materials Conservation: Not-so-new technology," *Nature Materials*, vol. 2 (August 2003), pp. 509-510.

Erhardt, W. David, Roland H. Cunningham and Sirpa Räsänen. "Extraction of material from oil paints by solvents." In *Materials Issues in Art and Archaeology VI: Symposium held November 26-30, 2001, Boston, Massachusetts, USA*, Materials Research Society Symposium Proceedings Volume 712, edited by Pamela B. Vandiver, Martha Goodway and Jennifer L. Mass, pp. 43-52. Warrendale, PA: Materials Research Society, 2002.

Goodway, Martha. "Some metals of the last century." In *Materials Issues in Art and Archaeology VI: Symposium held November 26-30, 2001, Boston, Massachusetts, USA*, Materials Research Society Symposium Proceedings Volume 712, edited by Pamela B. Vandiver, Martha Goodway and Jennifer L. Mass, pp. 503-509. Warrendale, PA: Materials Research Society, 2002.

Grissom, Carol A. and Ronald S. Harvey. "The conservation of American war memorials made of zinc." *Journal of the American Institute for Conservation*, vol. 42 (2003), pp. 21-38.

Henrickson, Robert C., Pamela B. Vandiver and M. James Blackman. "Lustrous black fine ware at Gordion, Turkey: A distinctive sintered slip technology." In *Materials Issues in Art and Archaeology VI: Symposium held November 26-30, 2001, Boston, Massachusetts, USA*, Materials Research Society Symposium Proceedings Volume 712, edited by Pamela B. Vandiver, Martha Goodway and Jennifer L. Mass, pp. 391-399. Warrendale, PA: Materials Research Society, 2002.

Hooper, Jennifer J. and Pamela B. Vandiver. "The technological tradition of Korean black ware and the indigenous development of glaze technology during the first millennium AD" In *Materials Issues in Art and Archaeology VI: Symposium held November 26-30, 2001, Boston, Massachusetts, USA*, Materials Research Society Symposium Proceedings Volume 712, edited by Pamela B. Vandiver, Martha Goodway and Jennifer L. Mass, pp. 357-364. Warrendale, PA: Materials Research Society, 2002.

Inomata, Takeshi, Daniela Triadan, Erick Ponciano, Richard Terry, and Harriet F. Beaubien. "In the palace of the fallen king: the excavation of the royal residential complex at the Classic Maya center of Aguateca, Guatemala," *Journal of Field Archaeology*, vol. 28, no. 3/4, Autumn-Winter 2001, pp. 287-306.

Joel, Emile C., Joan J. Taylor, and Robert D. Vocke. "Geological Implications of the Lead Isotope Data on Ores from the Great Orme Mine, North Wales, U.K." In *Patterns and Process: A Festschrift in Honor of Dr. Edward V. Sayre*, edited by Lambertus van Zelst, pp. 291-311. Washington, DC: Smithsonian Institution Press. 2003.

Lange, Frederick W., Erin L. Sears, Ronald L. Bishop and Silvia Salgado González. "Local Production, Non-Local Production, and Distribution: Usulután and Usulután-like Negative Painted Ceramics in Nicaragua." In *Patterns and Process: A Festschrift in Honor of Dr. Edward V. Sayre*, edited by Lambertus van Zelst, pp. 157-169. Washington, DC: Smithsonian Institution Press. 2003.

Muñoz Alcocer, Karla. "Chihuahua's Colonial Missions: An Invaluable Patrimony," *Voices of Mexico* (CISAN-UNAM), no. 62, January-March 2003, pp. 102-106.

Olin, Jacqueline S., M. James Blackman, and Gregory Waselkov. "Databases for the Analysis of European Ceramics in American Archaeology." In *Patterns and Process: A Festschrift in Honor of Dr. Edward V. Sayre*, edited by Lambertus van Zelst, pp. 65-78. Washington, DC: Smithsonian Institution Press. 2003.

Rands, Robert L. and Ronald L. Bishop. "The dish-plate tradition at Palenque: continuity and change." In *Patterns and Process: A Festschrift in Honor of Dr. Edward V. Sayre*, edited by Lambertus van Zelst, pp. 109-132. Washington, DC: Smithsonian Institution Press. 2003.

Reents-Budet, Dorie and Ronald L. Bishop. "More Than Methodology: INAA and Classic Maya Painted Ceramics." In *Patterns and Process: A Festschrift in Honor of Dr. Edward V. Sayre*, edited by Lambertus van Zelst, pp. 93-106. Washington, DC: Smithsonian Institution Press. 2003.

Reents-Budet, D. and Ronald L. Bishop. "What we can learn from a Classic Maya painted vase," *Archaeology Magazine*, vol. 56, no. 2, March-April 2003, pp. 26-29.

Tumosa, Charles S. and Marion F. Mecklenburg. "Weight changes on oxidation of drying and semi-drying oils." *Collection Forum*, vol. 18, no. 1-2, 2003, pp. 116-123.

van Zelst, Lambertus, editor. *Patterns and Process: A Festschrift in Honor of Dr. Edward V. Sayre*, 311 p. Washington, DC: Smithsonian Institution Press. 2003.

Vandiver, Pamela. "A Pinch of Alan's Magic Dirt," *The Studio Potter*, vol. 31, no. 1 (December 2002), pp. 53-54.

Vandiver, Pamela B. "Recovering and re-discovering craft." In *Materials Issues in Art and Archaeology VI: Symposium held November 26-30, 2001, Boston, Massachusetts, USA*, Materials Research Society Symposium Proceedings Volume 712, edited by Pamela B. Vandiver, Martha Goodway and Jennifer L. Mass, pp. 535-543. Warrendale, PA: Materials Research Society, 2002.

Vandiver, Pamela B., Martha Goodway and Jennifer L. Mass, editors. *Materials Issues in Art and Archaeology VI: Symposium held November 26-30, 2001, Boston, Massachusetts, USA*, Materials Research Society Symposium Proceedings Volume 712, xxvii, 593 p. Warrendale, PA: Materials Research Society, 2002.

Vandiver, Pamela B., Jennifer L. Mass and Martha Goodway. "Introduction." In *Materials Issues in Art and Archaeology VI: Symposium held November 26-30, 2001, Boston, Massachusetts, USA*, Materials Research Society Symposium Proceedings Volume 712, edited by Pamela B. Vandiver, Martha Goodway and Jennifer L. Mass. Warrendale, PA: Materials Research Society, 2002.

Vandiver, Pamela B. and S.A. Vasil'ev. "A 16,000 year-old ceramic human-figurine from Maina in South Siberia." In *Materials Issues in Art and Archaeology VI: Symposium held November 26-30, 2001, Boston, Massachusetts, USA*, Materials Research Society Symposium Proceedings Volume 712, edited by Pamela B. Vandiver, Martha Goodway and Jennifer L. Mass, pp. 421-431. Warrendale, PA: Materials Research Society, 2002.

Wachowiak, Melvin J. "Routine and high-volume preparation of embedded coatings crosssections." *The Microscope*, Vol. 50, no. 4, pp. 147-153 (November 2002). Chicago, IL: Microscope Publications Division, McCrone Research Institute.

Wachowiak, Mel and Karla Muñoz-Alcocer. "Imaginería de Las Californias: Discovering our Past through Mission Sculpture," *SMRC (Southwestern Mission Research Center) Revista*, vol. 37, no. 135, pp. 12-16 (Summer 2003).

Zedeño, Maria Nieves, Daniela Triadan and Ronald L. Bishop. "Compositional Analysis in American Archaeology." In *Patterns and Process: a Festschrift in Honor of Dr. Edward V. Sayre*, edited by Lambertus van Zelst, pp. 27-55. Washington, DC: Smithsonian Institution Press. 2003.

2002

Alden, Harry A. "Wood anatomy and identification." CD-ROM. Suitland, MD: Smithsonian Center for Materials Research and Education, 2002.

Ballard, Mary W. "Conference Report: Art, Biology and Conservation 2002: Biodeterioration of Works of Art, June 13-15, 2002 Metropolitan Museum of Art, New York City," *AIC News* (September 2002): 17-19.

Ballard, Mary W. "World Trade Center dust: its potential to interact with artifacts and works of art." Distributed to New York Regional Association of Conservators, to <http://www.si.edu/mci/> and to <http://aic.stanford.edu/> (December 2001).

Beaubien, Harriet F. "Chapter 18: The conservation program at Cerén," In *Before the Volcano Erupted: the ancient Cerén village in Central America*, edited by Payson D. Sheets, pp. 169-177, University of Texas: Austin Press, 2002.

Beaubien, Harriet F. "Integrating conservation and field archeology: insights from Central America," *CRM* (National Park Service) 24, no. 8 (2001): 14-16.

Beaubien, Harriet F. "Primary care: balancing perspectives in the conservation and curation of ancient remains." [Abstract] In *Abstracts of the 67th annual meeting, Society for American Archaeology, 20-24 March 2002, Denver, CO*. Symposium 154, Kings and foreigners, commoners and kin: the bioarchaeology of Copán, Honduras, organizer Allan Maca, p. 43. Washington, DC: SAA, 2002.

Beaubien, Harriet F. "Unmasking an artifact technology: textile/clay composites from ancient Mesoamerica," In *Objects Specialty Group Postprints Volume 7 (2000)*, edited by Virginia Greene and Jessica S. Johnson, pp. 94-109. Washington, DC: American Institute for Conservation of Historic and Artistic Works, 2001.

Beaubien, Harriet F. and Marilyn Beaudry-Corbett. "Chapter 17: Artifacts made from plant materials," In *Before the Volcano Erupted: the ancient Cerén village in Central America*, edited by Payson D. Sheets, pp. 159-166. University of Texas: Austin Press, 2002.

Beaubien, Harriet F. and Emily Kaplan. "Textile/clay composite from the ancient Maya world: a previously unreported artifact material." CD-ROM. *Archaeometry, 32nd International Symposium, May 15-19, 2000, Mexico City, Mexico* (CONACULTA-INAH), 2002.

Bishop, Ronald L. and M. James Blackman. "Instrumental neutron activation analysis of archaeological ceramics: scale and interpretation," *Accounts of Chemical Research* 35, no. 8 (2002): 603-610.

Cook, Duncan E. and S.J. Gale. "A lake sediment record of historical soil erosion and landscape modification from the Hunter Valley of Eastern Australia." In *Archives of human impact of the last 200 years*, edited by H. Heijnis. Sydney: Australian Institute of Nuclear Science and Engineering (AINSE). 2001.

Donahue, D.J., Jacqueline S. Olin and G. Harbottle. "Determination of the radiocarbon age of parchment of the Vinland Map," *Radiocarbon* 44, no. 1 (2002): 45-52.

Erhardt, W. David and Charles S. Tumosa. "Evaluation of accelerated aging for use in museum preservation research." In *MARM 2002, 35th Middle Atlantic Regional Meeting*, American Chemical Society, George Mason University, May 28-30, 2002, pp. 80-81, 2002.

Erhardt, W. David, Charles S. Tumosa and David von Endt. "Collateral damage: anthrax, gas, and radiation." [Abstract] In *Program for Art, Biology, and Conservation 2002: Biodeterioration of Works of Art, A Symposium, June 13-15, 2002*, pp. 22-23, 2002.

Goodway, Martha. Book review of "The domestication of metals: the rise of complex metal industries in Anatolia" by K. Aslıhan Yener. *Journal of the Historical Metallurgy Society* 35 (2001): 103-104.

Goodway, Martha. "News of Archaeometallurgy," *Society of Archaeological Sciences Bulletin* 23, no. 2 (2000): 6-7.

Goodway, Martha. "The world's oldest long-span suspension bridge," *WCG Newsletter* 26, no. 1 (March 2002): 9-10.

Goodway, Martha and Wayne L. Elban. "Wrought iron wire in early structural cables: the intersection of an ancient material with a modern technology." In *Proceedings of the Fifth International Conference on the Beginnings of the Use of Metals and Alloys (BUMA-V)*, edited by Gyo-Hu Kim, Kyung-Woo Yi and Hyung-Tai Kang, pp. 211-216, Seoul, 2002.

Grissom, Carol A., A.E. Charola and M.A. Henriques. "To paint or not to paint: a difficult decision." In *Protection and Conservation of the Cultural Heritage of the Mediterranean Cities*, Proceedings of the 5th International Symposium on the Conservation of Monuments in the Mediterranean Basin, April 5-8, 2000, Seville, Spain, pp. 585-592. Lisse, The Netherlands: AA Balkema Publishers, 2002.

Hooper, Jennifer J. and Pamela B. Vandiver. "Scientific analysis on the Korean porcelain from Kwangju official kiln sites." In *The History and Archaeology of Korean Ceramics*, The Millennium World Ceramic Exposition 2001, Kyunggi Provincial Museum and the National Museum of Korea, Seoul, Korea, pp. 55-68.

Magee, Catherine E., Harriet F. Beaubien, William L. Fash and Barbara W. Fash. "The cooperative efforts in the excavation of a royal Maya tomb." In *Human Remains: conservation, retrieval and analysis, Proceedings of a conference held in Williamsburg, VA, 7-11 November 1999*, edited by Emily Williams, pp. 39-43. Oxford: Archaeopress, BAR [British Archaeological Reports] International Series 934, 2001.

Mecklenburg, Marion F., Charles S. Tumosa, and K. Sheerin. "Los conceptos del cedimiento y elasticidad en la determinar el dao a los objetos culturales." *Imprimatura* (December 2001).

Neitzel, J.E., H. Neff, M.D. Glascock and Ronald L. Bishop. "Chaco and the production and exchange of Dogoszhi style pottery." In *Ceramic Production and Circulation in the Greater Southwest*, Monograph 44, pp. 47-66. The Costin Institute of Archaeology, UCLA, 2002.

Olin, Jacqueline S., M. James Blackman, J.E. Mitchem and G.A. Waselkov. "Compositional analysis of glazed earthenwares from eighteenth-century sites on the Northern Gulf Coast," *Journal of Historical Archaeology* 36, no. 1 (2002): 79-96.

Sears, Erin L. and Ronald L. Bishop. "Variabilidad en la composición de las pastas en El rea de Cancuen, Guatemala: figurillas y pastas finas." In *XV Simposio de Investigaciones Arqueologicas en Guatemala, 2001*. Museo Nacional de Arqueologia y Ethnologia, Guatemala, 2002.

Skowronek, Russell K., M. James Blackman, Ronald L. Bishop, Sarah Ginn and Manuel García Heras. "Chemical characterization of earthenware on the Alta California frontier." In *NURT 2001. Proceedings, Third International Symposium on Nuclear and Related Techniques*, Havana, Cuba, 2001.

Tumosa, Charles S. and David Erhardt. "Glucose Formation and the Age of Newspaper," In *2002 MAAFS (Mid-Atlantic Association of Forensic Scientists) Annual Meeting, 23-26 April 2002, Frederick, Maryland*. April 2002. 10 p.

Tumosa, Charles S., Marion F. Mecklenburg and W. David Erhardt. "Wood versus plastic: the Museographic Materials." In *Proceedings of the Congreso Internacional de Museologia del Dinero, Madrid*. 2002.

Vandiver, Pamela, Anne Underhill, Fengshi, Luan, Haiguang Yu, Hui Fang. "Longshan Pottery: Its Manufacture and Lianghengzhen in Southeast Shandong Province (ca. 2600~2000 B.C.)," In *2000 International Symposium on Ancient Ceramics - Its Scientific and Technological Insights (ISAC'02)*. 2002. Pp. 574-586.

von Endt, David, W. David Erhardt, Abdel-Salam M. El-Easely, Walter R. Hopwood, Marion F. Mecklenburg and Charles S. Tumosa. "Recent examination of some irradiated mail." *SPNHC Newsletter* 16, no. 1 (2002): 13, 16. [This article is also posted on the MCI website <http://www.si.edu/mci/>]

von Endt, David and Lambertus van Zelst. "The effects of electron beam irradiation of mail by USPS on research specimens and museum collection items." *SPNHC Newsletter* 16, no. 1 (2002): 5, 8, 9, 13. [This article is also posted on the SCMRE website <http://www.si.edu/mci/>]

Wachowiak, Melvin J. "Microscopy of protective and decorative coatings." CD-ROM. Suitland, MD: Smithsonian Center for Materials Research and Education, 2002.

Yamazaki-Kleps, A., Mary W. Ballard and R. Koestler. "Art, Biology and Conservation 2002: Biodeterioration of Works of Art, June 13-15, 2002 Metropolitan Museum of Art, New York City." *News Letter of the Japan Society for the Conservation of Cultural Property*, no. 92 (September 2002) [in Japanese].

2001

Barrientos, T., A. Demarest, R.L. Bishop, and F. Fahsen. "Redescubriendo Cancuen: nuevos datos sobre un sitio fronterizo entre Las tierras bajas y El altiplano Maya," In *XIV Simposio de Investigaciones Arqueológicas en Guatemala*, edited by J.P. Laporte, A.Cl. Suasnávar and B. Arroyo, pp. 569-588. Museo Nacional de Arqueología y Ethnología Guatemala. 2001.

Beaubien, Harriet F. (Rae). "Integrating Conservation and Field Archaeology - Insights from Central America," *CRM: Cultural Resource Management*, vol. 24, no. 6 (2001): 14-16.

Cato, Paisley S., Diana H. Dicus, and David von Endt. "Priorities for Natural History Collections Conservation Research: Results of a Survey of the SPNHC Membership," *Collection Forum*, vol. 15, no. 1-2 (2001): 1-25.

Fash, W.L., Harriet F. Beaubien, Catherine E. Magee, B.W. Fash, and R.V. Williamson. "The Trappings of Kingship among the Classic Maya: Ritual and Identity in a Royal Tomb from Copán," In *Fleeting Identities: Perishable Material Culture in Archaeological Research*. Proceedings from the 15th Annual Visiting Scholar Conference, April 17-18, 1998, Southern Illinois University, 2001.

García-Heras, M., M.J. Blackman, R. Fernández-Ruiz, and R.L. Bishop. "Assessing ceramic compositional data: a comparison of total reflection X-ray fluorescence and instrumental neutron activation analysis on Late Iron Age Spanish Celtiberian ceramics," *Archaeometry*, vol. 43 (2001): 325-347.

Hooper, Jennifer and Pamela B. Vandiver. "Scientific Analysis on the Korean Porcelain from Kwangju Official Kiln Sites," In *The History and Archaeology of Korean Ceramics*, pp. 55-68. The Millennium World Ceramic Exposition 2001, Kyunggi Provincial Museum and the National Museum of Korea, Seoul, Korea. 2001.

Mecklenburg, Marion F., and Charles S. Tumosa. "Traditional Oil Paints: The Effects of Long-term Chemical and Mechanical Properties on Restoration Efforts," *Materials Research Society (MRS) Bulletin*, vol. 26, no. 1 (January 2001): 51-55.

Skowronek, R.K., M.J. Blackman, R.L. Bishop, S. Ginn, and M. García-Heras. "Chemical Characterization of Earthenware on the Alta California Frontier," *NURT 2001, Proceedings*. Third International Symposium on Nuclear and Related Techniques, Cuba. 2001.

Tsang, Jia-sun and Theresa Esterlund, eds. "You be the Conservator: Looking at Objects - Inside and Out," educational interactive web program and references, <http://americanhistory.si.edu/hosc/santos>. 2001.

Tumosa, Charles S. "Absinthe," *Mid-Atlantic Association of Forensic Scientists Newsletter*, vol. 29, no. 1 (2001): 8-11.

Tumosa, Charles S. "A Brief History of Aluminum Stearate as a Component of Paint," *Western Association for Art Conservation (WAAC) Newsletter*, vol. 23, no. 3 (September 2001): 10-11.

van der Reyden, Dianne and Diane Vogt-O'Connor. "How to preserve acidic wood pulp paper," *Conserve O Gram 19/24*. Washington, DC: National Park Service and Government Printing Office, June 2001.

Vandiver, Pamela B. "Preserving Art Through the Ages," *Materials Research Society (MRS) Bulletin*, vol. 26, no. 1 (January 2001): 13-18.

Vandiver, Pamela. "The Role of Materials Research in Ceramics and Archaeology," *Annual Review of Materials Research*, vol. 31 (2001): 373-385.

2000

Beaubien, Harriet F. "Desalination parameters for Harappan ceramics, part 2," In *Objects Specialty Group postprints, volume 6 (1999)*, pp. 77-93. Proceedings of the Objects Specialty Group Session, 11 June 1999, 27th annual meeting in St. Louis, Missouri, Jun 8-13, 1999. Washington, DC: American Institute for Conservation of Historic and Artistic Works, 2000.

Beaubien, Harriet F. "Unmasking an artifact technology: textile/clay composites from ancient Mesoamerica," In *Abstracts of papers presented at the 28th AIC annual meeting in Philadelphia, Pennsylvania, June 8-13, 2000*, pp. 44-45. Washington, DC: American Institute for Conservation of Historic and Artistic Works, 2000.

Beaubien, Harriet F. and Joanne M. Boyer. "Capítulo 13: Conservación de artefactos durante la temporada 1999," [English version: Artifacts conservation during the 1999 field season, submitted 26 October 1999] En *Informe del Proyecto Arqueológico Aguateca: La Temporada de Campo 1999*, editado por Erick Ponciano, Takeshi Inomata y Daniela Triadan. Informe entregado al Instituto de Antropología e Historia de Guatemala. Abril de 2000.

Beaubien, Harriet F., Joanne M. Boyer, and Thomas J. Braun. "Appendix 3: Artifact Conservation during the 1999 Field Season," in *Harappa Archaeological Research Project, Harappa Excavations 1999*, edited by Richard H. Meadow, Jonathan M. Kenoyer, and Rita P. Wright, pp. 25-33, July 2000.

Beaubien, Harriet F. and Emily Kaplan. "Textile/clay composite from the ancient Maya world: a previously unreported artifact material," In *Program abstracts, Archaeometry, 32nd International Symposium, May 15-19, 2000, Mexico City, Mexico* (CONACULTA-INAH), p. 34, 2000.

Blackman, M.J. and S. Méry. "Les importations de céramiques harappéennes en Arabie orientale: état de la question," *Proceedings of the Seminar for Arabian Studies*, vol. 29 (2000): 7-28.

Erhardt, David, Charles S. Tumosa, and Marion F. Mecklenburg. "Can Artists' Oil Paints be Accelerated Aged?" *Polymer Preprints*, vol. 41, no. 2 (August 2000): 1790-1791.

Erhardt, David, Charles S. Tumosa, and Marion F. Mecklenburg. "Chemical and Physical Changes in Naturally and Accelerated Aged Cellulose," In *Historic Textiles, Papers and Polymers in Museums*, edited by J.M. Cardamone and M. Baker, chapter 3 in Symposium 779, pp. 23-37. American Chemical Society, 2000.

Erhardt, David, Charles S. Tumosa, and Marion F. Mecklenburg. "Natural and Accelerated Thermal Aging of Oil Paint Films," In *IIC Preprints, Melbourne Congress*, pp. 64-60, 2000.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 23, no. 2 (2000): 6-7.

Grissom, Carol A. "Book Review: Robert Barclay, André Bergeron, and Carle Dignard, with illustrations by Carl Schlichting, Mount-making for Museum Objects," *JAIC*, vol. 39 (2000): 280-282.

Grissom, Carol A. "Neolithic Statues from 'Ain Ghazal: Construction and Form," *American Journal of Archaeology*, vol. 104, no. 1 (January 2000): 25-45.

Grissom, Carol A. "Replication of Neolithic Plaster Statues: Insights into Construction and Form," In *Objects Specialty Group Postprints, Vol. 7*, compiled by Virginia Greene and Jessica S. Johnson, pp. 79-93. Washington, DC: American Institute for Conservation of Historic and Artistic Works, 2000.

Grissom, C.A., AE Charola, and M.J. Wachowiak. "Measuring Surface Roughness on Stone: Back to Basics," *Studies in Conservation*, vol. 45 (2000): 73-84.

Kolman, Connie J., and Noreen Tuross. "Ancient DNA Analysis of Human Populations," *American Journal of Physical Anthropology*, vol. 111 (2000): 5-23.

Mercader, Julio, Manuel Garcia-Heras, and Ignacio Gonzalez-Alvarez. "Ceramic Tradition in the African Forest: Characterisation Analysis of Ancient and Modern Pottery from Ituri, D.R. Congo," *Journal of Archaeological Science*, vol. 27 (2000): 163-182.

Méry, S. et M.J. Blackman. "Harappa et Mohenjo-Daro: deux zones de production de jarres à engobe noir au Pakistan à la période Indus," *Paleorient*, 1999/2 (2000): 167-177.

Reents-Budet, D., R.L. Bishop, J.T. Taschek, and J.W. Ball. "Out of the Palace Dumps: Ceramic Production and Use at Buenavista del Cayo," *Ancient Mesoamerica*, vol. 11, no. 2 (2000): 99-122.

Stark, M., R.L. Bishop, and E. Miska. "Ceramic Technology and Social Boundaries: Cultural Practices in Kalinga Clay Selection and Use," *Journal of Archaeological Method and Theory*, vol. 7, no. 4 (2000): 295-332.

Tsang, Jia-sun, ed. "*Santos*: Substance & Soul" web exhibition catalog. <http://www.si.edu/mci/santos>. 2000.

Tsang, Jia-sun and Donald C. Williams. "A Closer Look at *Santos*," *Tradición Revista* (Summer 2000): 41-46.

Tumosa, Charles S. "Speculation on the Effects of Gunshot or Explosive Residues on Historic Silk Flags," *Journal of Pyrotechnics*, no. 12 (Winter 2000): 1-4.

Tumosa, Charles S., Marion F. Mecklenburg, and Mark H. McCormick-Goodhart. "The Physical Consequences of Photographic Film Polymers Subjected to Cold Storage Environments," In *Historic Textiles, Papers and Polymers in Museums*, edited by J.M. Cardamone and M. Baker, Chapter 11 in Symposium 779, pp. 136-144. American Chemical Society, 2000.

Vandiver, Pamela B. "Paleolithic Ceramics and the Development of Pottery in East Asia, 26,000 to 10,000 B.P.," In *International Symposium on Ancient Ceramics, Shanghai Institute of Ceramics, Academy of Sciences, Shanghai, China, Nov. 1999*, pp. 26-37. 1999.

Vandiver, Pamela B., A. Bouquillon-Mossman, R. Kerr, and R. Scott. "The Technology of Overglaze Enamels," In *International Symposium on Ancient Ceramics, Shanghai Institute of Ceramics, Academy of Sciences, Shanghai, China, Nov. 1999*, pp. 230-249. 1999.

Vandiver, Pamela B. and Jennifer Hooper. "The development of pyrotechnology and glaze technology in Korean black and gray ware during the first millennium AD" In *Proceedings of the International Symposium on Korea's Third Ceramic Tradition: From Earthenware to Onggi*, pp. 139-142. Ewha Women's University Museum, Seoul, Korea. 2000.

von Endt, David W. "Staying in Shape: The Stability of Structural Proteins in Natural History Museum Storage Fluids," *ACS Polymer Preprints*, vol. 41, no. 2 (August 2000): 1794-1795.

1999

Arnold, D.E., Hector A. Neff, R.L. Bishop, and M.D. Glascock. "Testing Interpretative Assumptions of Neutron Activation Analysis: Contemporary Pottery in Yucatán, 1964-1994," In *Material Meanings: Critical Approaches to the Interpretation of Material Culture*, edited by E.S. Chilton, pp. 61-84. Foundation of Archaeological Inquiry. Salt Lake City, UT: University of Utah Press, 1999.

Ballard, Mary W. "Biodeterioration of Textiles," In *Biodeterioration*, edited by A.E. Charola and Robert Koestler. London: Butterworths, 1999.

Ballard, Mary W. (section co-author). *Conservation Services Directory*, edited by Mary W. Ballard. Washington, DC: Washington Conservation Guild, 1999.

Ballard, Mary W. "May Meeting Summary: Star Spangled Banner Conservation Project - Suzanne Thomassen-Krauss," *Washington Conservation Guild Newsletter*, vol. 22, no. 4 (December 1998): 3-4.

Beaubien, Harriet F. "Conservation's Key Contributions to Archaeological Projects in Central America," In *Abstracts of papers presented at the 27th annual meeting in St. Louis, Missouri, June 8-13, 1999*, pp. 1-2. Washington, DC: American Institute for Conservation of Historic and Artistic Works, 1999.

Beaubien, Harriet F. "Desalination Parameters for Harappan Ceramics, Part 2," In *Abstracts of papers presented at the 27th annual meeting in St. Louis, Missouri, June 8-13, 1999*, p. 51. Washington, DC: American Institute for Conservation of Historic and Artistic Works, 1999.

Beaubien, Harriet F., Stephanie E. Hornbeck, y Elizabeth C. Robertson. "Sección 8: La conservación de artefactos," En *Informe del Proyecto Arqueológico Aguateca: La Temporada de 1998, presentado al Instituto de Antropología e Historia de Guatemala* [English version: "Artifact Conservation during the 1998 field season." In *The Aguateca Archaeological Project's 1998 Field Season Report*], editado por Takeshi Inomata, Daniela Triadan y Erick Ponciano, pp. 67-72, Diciembre de 1998,

Beaubien, Harriet F., Elizabeth C. Robertson, and Stephanie E. Hornbeck. "Appendix 3: Artifact Conservation during the 1998 Field Season at Harappa," In *Harappa Archaeological Research Project: Harappa Excavations 1998*, edited by Richard H. Meadow, Jonathon Mark Kenoyer and Rita P. Wright, pp. 32-41, 30 March 1999.

Blackman, M.J. "Chemical Characterization of Local Anatolian and Uruk Style Sealing Clays from Hacinebi," *Paleorient*, vol. 25, no. 1 (1999): 51-56.

Boyer, Joanne. "An Investigation of Ceramic Shards from Kaman-Kalehöyük, Turkey, to Determine Their Mode of Manufacture - Part 1," *Kaman-Kalehöyük 8* (Anatolian Archaeological Studies), vol. 8 (1999): 355-366.

Chalfoun, David J., and Noreen Tuross. "Botanical Remains: Utility in Protein and DNA Research," *Ancient Biomolecules*, vol. 3 (1999): 67-79.

Erhardt, David. "Degradation and Failure in the Lab: Studies in the Ageing Processes of Archival Materials," In *Abstracts of the Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Orlando, March 7-12, 1999*. 1999.

Erhardt, David, Charles S. Tumosa, and Marion F. Mecklenburg. "Material consequences of the aging of paper," In *Preprints, ICOM Committee for Conservation, 12th Triennial Meeting, Lyon, 29 August - 3 September 1999*, vol. 2, 1999, pp. 501-506.

Fernández Ruiz, Ramon, Juan-Diego Tornero, and Manuel García-Heras. "Advances in the application of total reflection X-ray fluorescence (TXRF) to the analysis of archaeological ceramics," In *Actes del 5è Curs d'arqueologia d'Andorra, 1997*, 1999, pp. 137-144.

Fogel, Marilyn L., and Noreen Tuross. "Transformation of plant biochemicals to geological macromolecules during early diagenesis," *Oecologia*, vol. 120 (1999): 336-346.

García Heras, M. "Estudios arqueométricos sobre materiales cerámicos de la edad del hierro," *Boletín de la Sociedad Española de Cerámica y Vidrio*, vol. 38, no. 4 (1999): 289-295.

García Heras, Manuel. "La Artesanía Alfarera Celtibérica. Un Reto para la Investigación," In *IV Simposio sobre Celtiberos: Economía*, Zaragoza: Institucion 'Fernando el Catolico' (CSIC) Excma. Diputacion Provincial, 1999, pp. 221-239.

Goodway, Martha. "Hardness Related to Strength in High Phosphorus Iron," In *Preprint, Historical Metallurgy Society Annual Conference, September 1999*. 1999.

Goodway, Martha. "The Relation Between Hardness and Strength in High Phosphorus Iron," *Journal of the Historical Metallurgy Society*, vol. 33 (1999): 104-105.

Grissom, Carol A. "Cache Two," In *Symbols at 'Ain Ghazal, 'Ain Ghazal Excavation Reports, Vol. 1*, edited by Denise Schmandt-Besserat. <http://menic.utexas.edu/menic/ghazal>.

Grissom, Carol A. "Catalogue of Cache Two," In *Symbols at 'Ain Ghazal, 'Ain Ghazal Excavation Reports, Vol. 1*, edited by Denise Schmandt-Besserat. <http://menic.utexas.edu/menic/ghazal>.

Grissom, Carol A., A. Elena Charola, Ann Boulton, and Marion F. Mecklenburg. "Evaluation Over Time of an Ethyl Silicate Consolidant Applied to Ancient Lime Plaster," *Studies in Conservation*, vol. 44, no. 2 (1999): 113-120.

Henrickson, R.C. and M.J. Blackman. "Hellenistic Production of Terra Cotta Roof Tiles Among the Ceramic Industries at Gordion," *Oxford Journal of Archaeology*, vol. 18, no. 3 (1999): 307-326.

Indictor, Norman, and Mary Ballard. "A survey of some recent literature and studies pertaining to the C-14 dating of textiles," In *Preprints, ICOM Committee for Conservation, 12th Triennial Meeting, Lyon, 29 August - 3 September 1999*, vol. 2, 1999, pp. 631-636.

Inomata, Takeshi, Daniela Triadan, Erick Ponciano, Richard E. Terry, Harriet F. Beaubien, Estela Pinto y Shannon Coyston. "Residencias de la familia real y de la elite en Aguateca, Guatemala," *Mayab*, no. 11 (1998): 23-39.

Kolman, Connie J., Arturo Centurion-Lara, Sheila A. Lukehart, Douglas W. Owsley, and Noreen Tuross. "Identification of *Treponema pallidum* Subspecies *pallidum* in a 200-Year-Old Skeletal Specimen," *The Journal of Infectious Diseases*, vol. 180 (1999): 2060-2063.

Mecklenburg, Marion F. and Charles S. Tumosa. "Temperature and Relative Humidity Effects on the Mechanical and Chemical Stability of Collections," *ASHRAE Journal*, vol. 41, no. 4 (April 1999): 77-82.

N'Gadi, Ann B., and David W. von Endt, eds. *14th Annual Meeting of the Society for the Preservation of Natural History Collections, Washington, DC, June 27-July 2, 1999 Annual Meeting Program with Abstracts*, (June 1999).

Olaetxea, Carlos, Ramon Fernández Ruiz, Manuel García-Heras, Jesús Sesma. "Análisis composicional mediante TXRF de producciones cerámicas navarras (Calcolítico-Bronce-Hierro)," In *Actes del 5è Curs d'arqueologia d'Andorra, 1997*, 1999, pp. 212-223.

Peachey, Claire and Ellen Salzman. *Documentation of On-Site Conservation Activities = Arazide Konservasyon Çali malarinin Belgelenmesi* (Field Notes: Practical Guides for Archaeological Conservation and Site Preservation = Arkeolojik Konservasyon ve Antik Yerle imlerin Korunmasi için Pratik Rehberler), no. 8 (Spring 1999).

Tsang, Jia-sun, and Donald C. Williams. *A Closer Look at Santos; Una Mirada mas Profunda a los santos*, (May 1999), Washington, DC: Smithsonian Center for Materials Research and Education and de Saisset Museum.

Tumosa, Charles S., Jennifer Millard, David Erhardt, and Marion F. Mecklenburg. "Effects of solvents on the physical properties of paint films," In *Preprints, ICOM Committee for Conservation, 12th Triennial Meeting, Lyon, 29 August - 3 September 1999*, vol. 1, 1999, pp. 347-352.

Tumosa, Charles S. and Marion F. Mecklenburg. "Materials Characterization and the Computer Modeling of Works of Art," [abstract]. In *Abstracts Pittcon 99*, p. 858, 1999.

Tumosa, Charles S. "Speculation on the Effect of Gunshot or Explosive Residue on Silk," *Textile Conservation Newsletter*, no. 37 (Fall 1999): 10-13.

Tumosa, Charles S. "Wood versus plastic: the museographic materials," In *Abstracts, Congreso Internacional de Museologia del Dinero, Museo Casa de la Moneda, Madrid, España, 18-22 Octubre 1999*, 1999, 3 p.

von Endt, David W., C.A. Ross, and P. E. Hare. "Initial results of cleaning small vertebrate skeletons with trypsin," *Collection Forum*, vol. 13 (1999): 51-62.

von Endt, David W., E.R. Yourd, and P.E. Hare. "Spirit collections: accelerated aging studies concerning the stability of keratin in ethanol and formalin," *Collection Forum*, vol. 14 (1991): 66-77.

1998

Alden, Harry A., and Alex C. Wiedenhoeft. "Qualified Determination of Provenance of Wood of the Firs (*Abies* spp. mill.) Using Microscopic Features of Rays: An Aid to Conservators, Curators and Art Historians," *Abstracts of papers presented at the 26th Annual Meeting, Arlington, VA, June 1-7, 1998*, Washington, DC: American Institute for Conservation, 1998, p. 147.

Alden, Harry A. "Scientific Limits of Microscopic Wood Analysis of Objects d'Art," *Abstracts of papers presented at the 26th Annual Meeting, Arlington, VA, June 1-7, 1998*, Washington, DC: American Institute for Conservation, 1998, p. 148.

Baker, Mary T. "Thermal History Studies in Ancient and Modern Rubber," *Polymer Preprints: Division of Polymers, American Chemical Society* 39, no. 2 (1998): 1253-1254.

Ballard, Mary W. "Conference Reports: The Care and Preservation of Modern Materials in Costume Collections," *American Institute for Conservation News* 23, no. 3 (May 1998): 19.

Ballard, Mary W. "An IPM Checklist for Planning and Implementing Pest Control on Art and Artifact Collections," reprint, *Collections Caretaker* 1, no. 3 (Spring 1998): 4-5.

Ballard, Mary W. "Mysteries and Speculations," *Textile Conservation Newsletter*, no. 34 (Spring 1998): 20-21.

Ballard, Mary W. and Norman Indictor. "Some Attitudes Towards Carbon-14 Dating of Textiles," In *Eastern Analytical Symposium Abstracts*, no. 294. p 105. 1998.

Ballard, Mary W. and Thomas Parker. "Take Care to Follow Pesticide Regulations," reprint, *Collections Caretaker* 1, no. 3 (Spring 1998): 2-3.

Beaubien, Harriet F., Susan B. Peschken, and C. Mei-An Tsu. "Artifact Conservation during the 1997 Field Season," In *Harappa Archaeological Research Project, Harappa Excavations 1997*, edited by Meadow, Kenoyer, and Wright, pp. 23-29. March 25, 1998.

Brady, J.E., J.W. Ball, Ronald L. Bishop, D.C. Pring, N. Hammond, and R.A. Housley. "The Lowland Maya 'Protoclassic'," *Ancient Mesoamerica* 9, no. 1 (1998): 17-38.

Erhardt, W. David. "Drying Oils: Their Chemistry and Properties," In *Painted Wood: History and Conservation*, edited by V. Dorge and F.C. Howlett, pp. 17-32. Los Angeles: The Getty Conservation Institute, 1998.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin* 21, no. 1/2 (January-June 1998): 14-15.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin* 21, no. 3/4 (July-December 1998): 8.

Kaplan, Emily and Harriet F. Beaubien. "Artifact Conservation during the 1994 Study Season," In *Preliminary Report of the Cerén Project, 1996 Field Season*, edited by Payson D. Sheets and Linda A. Brown, pp. 26-31. Boulder: Department of Anthropology, University of Colorado, 1998.

Mann, Robert W., Melanie E. Feather, Charles S. Tumosa, and K.N. Schneider. "A Blue Encrustation Found on American MIA Bones from Vietnam," *Forensic Science International* 97, no. 2-3 (1998): 79-86.

Mecklenburg, Marion F., Charles S. Tumosa, and W. David Erhardt. "Structural Response of Painted Wood Surfaces to Changes in Ambient Relative Humidity," In *Painted Wood: History and Conservation*, edited by V. Dorge and F.C. Howlett, pp. 464-483. Los Angeles: The Getty Conservation Institute, 1998.

Reents-Budet, Dorie. "Classic Maya Painted Ceramics and the Stories They Tell," In *Maya*, edited by Peter Schmidt, Mercedes de la Garza, and Enrique Nalda, pp. 270-295. Italy: Palazzo Grassi and Rizzoli Press, 1998.

Reents-Budet, Dorie. "Elite Maya Pottery and Artisans as Social Indicators," In *Craft and Social Identity*, edited by Cathy Costin and Rita Wright. Washington, DC: Archaeological Papers of the American Anthropological Association Number 8, 1998.

Reents-Budet, Dorie. "Los Maestros Pintores: Cerámica Maya," In *Arqueología Mexicana*, vol. V, no. 28. Mexico: Mexico, DF, 1997.

Reents-Budet, Dorie, Marilyn Beaudry, and James Brady. "North Central Honduras: A Maya Landscape? (Shamans, Saurians and Bats: Symbols from Central Honduras)," In *Proceedings of the 1995 and 1996 Latin American Symposia*, edited by Alana Cordy-Collins and Grace Johnson, pp. 49-66. San Diego, CA: The Museum of Man, 1997.

Richard, Mervin, Marion F. Mecklenburg, and Charles S. Tumosa. "Technical Considerations for the Transport of Panel Paintings," In *The Structural Conservation of Panel Paintings*, edited by Kathleen Dardes and Andrea Rothe, pp. 525-556. Los Angeles: The Getty Conservation Institute, 1998.

Rosenthal, Ellen F. and Harriet F. Beaubien. "Artifact Conservation during the 1996 Field Season," In *Preliminary Report of the Cerén Project, 1996 Field Season*, edited by Payson D. Sheets and Linda A. Brown, pp. 18-25. Boulder: Department of Anthropology, University of Colorado, 1998.

Tsang, Jia-sun. *A Closer Look: Santos from Puerto Rico*, Washington, DC: Smithsonian Center for Materials Research and Education (SCMRE), May 1998, 54 p.

Tumosa, Charles S. "Articles from the International Journal of Osteology of Forensic Interest," *Mid-Atlantic Association of Forensic Scientists Newsletter* 26, no. 2 (1998): 9-12.

Tumosa, Charles S. "Edward Oscar Heinrich," *Mid-Atlantic Association of Forensic Scientists Newsletter* 26, no. 1 (1998): 12-13.

Tumosa, Charles S., Mark H. McCormick-Goodhart, and Marion F. Mecklenburg. "The Physical Properties of Photographic Film Polymers Subjected to Cold Storage Environments," *Polymer Preprints: Division of Polymers, American Chemical Society* 39, no. 2 (1998): 1245-1246.

von Endt, David W. "Heritage Preservation Report to SPNHC," In *Society for the Preservation of Natural History Collections 1998 Annual Report*, p. 33. 1998.

von Endt, David W. "Research Committee Report to SPNHC," In *Society for the Preservation of Natural History Collections 1998 Annual Report*, p. 25. 1998.

von Endt, David W. "Spirit Collections: A Comparison of Keratin and Collagen Stability in the Storage Fluids Ethanol and 2-Propanol," In *Society for the Preservation of Natural History Collections, 1997 Annual Meeting Program with Abstracts*, p. 26. 1998.

von Endt, David W. and P. Edward Hare. "The Stability of Collagen and Keratin in Museums: Nitrogen-Containing Heterocycles Found in Bone, and the Preservation of Keratin in Ethanol and Formalin," In *Perspectives in Amino Acid and Protein Geochemistry, A Symposium, 1998*, p. 29. 1998.

Williams, Donald C. "A Survey of Adhesives for Wood Conservation," In *The Structural Conservation of Panel Paintings*, edited by Kathleen Dardes and Andrea Rothe, pp. 79-86. Los Angeles: The Getty Conservation Institute, 1998.

1997

Ballard, Mary W. "Hanging out with Tapestries, Carpets, Quilts: the Effect of Textile Properties on Appearance." *Textile Conservation Group Newsletter* 18, no. 3 (March, 1996): 1-4; reprint, *International Tapestry Journal* (Fall, 1996): 20-26.

Ballard, Mary W. "IIC Conference: A Participant's Viewpoint." *Textile Conservation Group Newsletter* 18, no. 5 (October, 1996): 8.

Ballard, Mary W. "An IPM Checklist for Planning & Implementing Pest Control on Art & Artifact Collections." *American Institute for Conservation News* 22, no. 3 (May, 1997): 3-4; reprint, *Art Hazards News* 20, no. 3 (1997): 4-6.

Ballard, Mary W. "More on Moisture: Cohesive, Temporary, or Permanent Set and Hygral Expansion." *Textile Conservation Newsletter* no. 32 (Spring, 1997): 5-20.

Ballard, Mary W. "A Tribute to Kathryn Scott." *Textile Conservation Group Newsletter* 18, no. 5 (October, 1996): 9.

Ballard, Mary W. and Thomas Parker. "Laws and Licensing: Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)." *American Institute for Conservation News* 22, no. 3 (May, 1997): 5; reprint, *Art Hazards News* 20, no. 3 (1997): 4-6.

Ballard, Mary W. and Heasoon Rhee. "The Effect of Surfactant Residues on Silk." In *SFT Jubilee Silk Conference*. Stockholm, Sweden: September, 1997.

Bishop, Ronald L. and Lambertus van Zelst. "Chemical Characterization of Archaeological Ceramics at the Conservation Analytical Laboratory." *Techne, Vers une science de l' héritage culturel: quelques exemples de laboratoires étrangers* (Paris, Laboratoire de recherche des musées de France) 5 (1997): 46-53.

Charola, A. Elena, Carol A. Grissom, Evin Erder, Melvin J. Wachowiak, and Douglas Oursler. "Measuring Surface Roughness: Three Techniques." In *Proceedings, 8th International Congress on Deterioration and Conservation of Stone*, edited by Josef Riederer, pp. 1421-1434. Berlin, Germany: 1996.

Erhardt, W. David. "Relative Humidity: Its Role in Collections Maintenance." *The FACTS Report* first quarter (1997): 1-8.

Erhardt, David, Marion F. Mecklenburg, Charles S. Tumosa, and Mark McCormick-Goodhart. "The Determination of Appropriate Museum Environments." In *The Interface Between Science and Conservation*. British Museum Occasional Paper no. 116, edited by S. Bradley, pp. 153-163. London: The British Museum, 1997.

Fain, S.R., David W. von Endt, and P.E. Hare. "The Relationship Between Preservation Treatment, Nucleic Acid Content, and Amino Acid Racemization in Otter Skin." In *Society for the Preservation of Natural History Collections, 12th Annual Meeting Program and Abstracts*, p. 14. 1997.

Goodway, Martha. "Fortepiano Capsules, Old and New." *Harpsichord and Fortepiano* 6, no. 1 (1997): 13-16.

Goodway, Martha. "Mail Links from the DeSoto entrada of 1540." *Historical Metallurgy* 29 (1995): 89-93.

Goodway, Martha. "News of Archaeometallurgy." *Society for Archaeological Sciences Bulletin* 19, no. 1/2 (January-June 1996): 2-3.

Goodway, Martha. "News of Archaeometallurgy." *Society for Archaeological Sciences Bulletin* 20, no. 1/2 (January-June 1997): 9-10.

Goodway, Martha. "An Unusual Microstructure in α - β Brass." *The Journal of the Historical Metallurgy Society* 30 (1996): 47-49.

Goodway, Martha. "Review of In Quest of Mineral Wealth: Aboriginal and Colonial Mining and Metallurgy in Spanish America," edited by Alan C. Craig and Robert C. West. *The Journal of the Historical Metallurgy Society* 29, no. 1 (1995): 52-53.

Goodway, Martha and Yuyan Chen. "The Froslanda Shields: Cymbals or Symbols?" *Laborative Arkeologi, The Journal of Nordic Archaeological Science*, University of Stockholm. 9 (1996): 49-52.

Goodway, Martha and Michael A. Constable. "'Trent Sand': Chalcopyrite as an Abrasive." *The Journal of the Historical Metallurgy Society* 29, no. 1 (1995): 46-50.

Griffin, Patricia S., Mark R. Fenn, and Harriet F. Beaubien. "Preventive Conservation Case Study: The Stabilization of Ceramic Vessels at Harappa, Pakistan." *Pakistan Archaeology* 28 (1993): 253-272.

Grissom, Carol A. "La conservation des statues néolithiques d'Äin Ghazal." In *Jordanie sur les pas des archéologues*, edited by Eric Delpont, pp. 39-45. Paris: Institut du Monde Arabe, 1997.

Hare, P.E., David W. von Endt, and J.E. Kokis. "Protein and Amino Acid Diagenesis Dating." In *Chronometric Dating in Archaeology*, edited by R.E. Taylor and M.J. Aiken, pp. 261-296. New York: Plenum Press, 1997.

Henrickson, Robert C. and M. James Blackman. "Large-Scale Production at Gordion: A Comparison of the Late Bronze and Early Phrygian Industries." *Paleo-Orient* 22, no. 1 (1996): 67-87.

Iwanaga, K.K., M. Eberle, Connie J. Kolman, E. Bermingham, and D.I. Watkins. "Further Diversification of the HLA-B Locus in Central American Amerindians: New B*39 and B*51 Alleles in the Kuna of Panama." *Tissue Antigens* 50 (1997): 251-257.

Joel, Emile C. "Lead Isotope Analysis." In *Encyclopedia of Near Eastern Archaeology*. Oxford: Oxford University Press, 1996.

Joel, Emile C., Edward V. Sayre, R.D. Vocke, and F. Willett. "Stable Lead Isotope Characterization of Various Copper Alloys used in West Africa: An Interim Report." *Journal of the Historical Metallurgy Society* 29, no. 1 (1995): 25-33.

Joel, Emile C., J.J. Taylor, R.A. Ixer, and Martha Goodway. "Lead Isotope Analysis and the Great Orme Mine." In *Archaeological Sciences 1995*. Oxbow Monographs in Archaeology 64, edited by A.G. Sinclair, E.A. Slater and J.A.J. Gowlett, pp. 123-131. Oxford: Oxbow Books, 1997.

Kaplan, Emily and Harriet F. Beaubien. "Artifact Conservation 1994." In *Preliminary Report of the Cerén Research Project, 1996 Season*, edited by Payson D. Sheets and Linda A. Brown, pp. 26-31. Boulder: University of Colorado.

Klein, S., A. Hauptmann and Pamela B. Vandiver. "Refractory Ceramics from an Iron Age Bronze Melting Workshop at Khirbet edh-Darih, Jordan." In *Materials Issues in Art and Archaeology V. Proceedings*, vol. 462, edited by P. Vandiver, J. Druzik, J. Merkel, and J. Stewart, pp. 135-142. Pittsburgh, PA: Materials Research Society, 1997.

Koch, P.L., Noreen Tuross, and Marilyn L. Fogel. "The Effects of Treatment and Diagenesis on the Isotopic Integrity of Carbonate in Biogenic Hydroxylapatite." *The Journal of Archaeological Science* 24 (1997): 417-429.

Kolman, Connie J. and Eldredge Bermingham. "Mitochondrial and Nuclear DNA Diversity in the Chocó and Chibcha Amerinds of Panamá." *Genetics* 147 (1997): 12891302.

McCarthy, B., Pamela B. Vandiver and J. Kruger. "A Study of the Role of Heterogeneities in the Initial Stages of Corrosion of Glazes Using Dynamic Imaging Microellipsometry (DIM)." In *Materials Issues in Art and Archaeology V. Proceedings*, vol. 462, edited by P. Vandiver, J. Druzik, J. Merkel, and J. Stewart, pp. 31-38. Pittsburgh, PA: Materials Research Society, 1997.

Redford, Scott and M. James Blackman. "Luster and Fritware Production and Distribution in Medieval Syria." *Journal of Field Archaeology* 24 (1997): 233-247.

Rosenthal, Ellen F. and Harriet F. Beaubien. "Artifact Conservation 1996." In *Preliminary Report of the Cerén Research Project, 1996 Season*, edited by Payson D. Sheets and Linda A. Brown, pp.18-25. Boulder: University of Colorado.

Soffer, Olga and Pamela B. Vandiver. "The Ceramics from Pavlov I - 1957 Excavation." In *Pavlov I - Northwest: The Upper Paleolithic Burial and Its Settlement Context*, edited by B. Klima, et al., pp. 383-402. Prague: Academy of Sciences of the Czech Republic and Inst. of Archaeology in Brno, Prague, 1997.

Steponaitis, Vincas P., M. James Blackman, and Hector Neff. "Large-Scale Patterns in Chemical Composition of Mississippian Pottery." *American Antiquity* 61, no. 3 (1996): 555-572.

Stott, A.W., E. Davis, R.P. Evershed, and Noreen Tuross. "Monitoring the Routing of Dietary and Biosynthesised Lipids through Compound-Specific Stable Isotope (Date 13C) Measurements Natural Abundance." *Naturwissenschaften* 84 (1997): 82-86.

Stott, A.W., R.P. Evershed, and Noreen Tuross. "Compound-Specific Approach to the Delta13C Analysis of Cholesterol in Fossil Bone." *Organic Chemistry* 26, no. 2 (1997): 99103.

Tennison, Heather. "Marking Time with 'Buried Treasures:' Issues of Preservation and Access." *The Grapevine* 23 (September 1996): 4-5.

Tennison, Heather, Dianne van der Reyden, Fei-Wen Tsai, and Mary Parrish. "An 'Angel Project' of Dinosaur Proportions." *American Institute for Conservation, Book and Paper Group Annual* 15 (1996): 145-160.

Tsai, Fei Wen and Dianne van der Reyden. "Analysis of Modern Chinese Paper and Treatment of a Chinese Woodblock Print." *The Paper Conservator* 21 (1997): 43-62.

Tsai, Fei Wen and Dianne van der Reyden. "Disaster Preparedness - Prevention, Response and Recovery Procedures for Water-Based Emergencies: Paper-Based and Magnetic Media Materials." (in English and Chinese) In *Postprints for the Symposium on the Conservation and Preservation of Cultural Properties, 1996*, pp. 462-498.

Tumosa, Charles S. "Alfred Lucas, O.B.E." *Mid-Atlantic Association of Forensic Scientists Newsletter* 25, no. 3 (1997): 28-30.

Tumosa, Charles S. "The Detection and Species Identification of Blood: A Review of Relevant Papers from 1980-1995." *Forensic Science Review* 8, no. 2 (1996): 73-90.

Tumosa, Charles S. "19th Century Russian Platinum Medals." *Journal of the Russian Numismatic Society* no. 62 (1997): 16-26.

Tumosa, Charles S. "Species Identification by Hemoglobin Crystals." *Mid-Atlantic Association of Forensic Scientists Newsletter* 25, no. 2 (1997): 25-27.

Tumosa, Charles S. "Review of Forensic Taphonomy," *Mid-Atlantic Association of Forensic Scientists Newsletter* 25, no. 4 (1997): 30-31.

Tumosa, Charles S. and Marion F. Mecklenburg. "Some Mechanical Properties of Skin." *Mid-Atlantic Association of Forensic Scientists Newsletter* 25, no. 1 (1997): 18-22.

Vandiver, Pamela B. "Pavlov I Pigments and their Processing." In *Pavlov I - Northwest: The Upper Paleolithic Burial and Its Settlement Context*, edited by B. Klima, et al., pp. 373-382. Prague: Academy of Sciences of the Czech Republic and Inst. of Archaeology in Brno, Prague, 1997.

Vandiver, Pamela B. "Review of KENDRICK, The Jomon of Japan: The World's Oldest Pottery," *Journal of Asian Studies* 56, no.1 (Jan.1997): 210-211.

Vandiver, Pamela B., Anne Bouquillon-Mossman, Rosemary Scott, and Rose Kerr. "The Technology of Early Chinese Overglaze Enamels from the Chinese Imperial and Popular Kilns." *Techne* 6 (1997): 25-34.

Vandiver, Pamela B. and S. Chia. "The Pottery Technology from Bukit Tengkorak: A 3,000-5,000-Year-Old Site in Borneo, Malaysia." In *Materials Issues in Art and Archaeology V. Proceedings*, vol. 462, edited by P. Vandiver, J. Druzik, J. Merkel, and J. Stewart, pp. 269-277. Pittsburgh, PA: Materials Research Society, 1997.

Vandiver, Pamela B., J. Druzik, J. Merkel, and J. Stewart, ed. *Materials Issues in Art and Archaeology V. Proceedings*, vol. 462, Fall Meeting Dec.1996, Pittsburgh, PA: Materials Research Society, 1997.

Vogt-O'Connor, Diane and Dianne van der Reyden. "Storing Archival Paper-Based Materials." *Conserve O Gram 19/15*, National Park Service, Superintendent of Public Documents, U.S. Government Printing Office, September, 1996.

Vogt-O'Connor, Diane and Dianne van der Reyden. "Housing Archival Paper-Based Materials." *Conserve O Gram 19/16*, National Park Service, Superintendent of Public Documents, U.S. Government Printing Office, September, 1996.

Vogt-O'Connor, Diane and Dianne van der Reyden. "Handling Archival Documents and Manuscripts." *Conserve O Gram 19/17*, National Park Service, Superintendent of Public Documents, U.S. Government Printing Office, September, 1996.

Vogt-O'Connor, Diane and Dianne van der Reyden. "How to Care for Bound Materials." *Conserve O Gram 19/18*, National Park Service, Superintendent of Public Documents, U.S. Government Printing Office, September, 1996.

von Endt, David W. and Shaun J. Hardy. "Information Surveys and Conservation Research: The Stability of Fluid Preserved Specimens." In *Annual Meeting Program and Abstracts*, p. 13. American Institute for Conservation of Historic and Artistic Works, 1997.

von Endt, David W. and P.E. Hare. "Spirit Collections: Rates of Change in the Amino Acids of Bone at Elevated Temperatures." In *Society for the Preservation of Natural History Collections, 12th Annual Meeting Program and Abstracts*, p. 26. 1997.

von Endt, David W. and P.E. Hare. "Spirit Collections: Rates of Change in the Amounts and Stereo chemistry of the Amino Acids of Hair at Elevated Temperatures." In *Society for the Preservation of Natural History Collections, 12th Annual Meeting Program and Abstracts*, p. 26. 1997.

1996

Baker, Mary T. "Synthetic Polymers." In *Storage of Natural History Collections: A Preventive Conservation Approach: Volume I*, edited by Carolyn L. Rose, Catharine A. Hawks, and Hugh H. Genoways, pp. 305-323. Washington, DC: Society for the Preservation of Natural History Collections, 1995.

Baker, Mary T., ed. *Newsletter*. Division of Polymer Chemistry, Inc., American Chemical Society, Spring 1995.

Baker, Mary T., ed. *Preprints of the 4th Pacific Polymer Conference*. Washington, DC: Pacific Polymer Federation, 1995.

Baker, Mary T. and Aniko Bezur. "Micro-ATR Analysis of Polyurethane Binders in Museum Videotape Collections: Natural Aging Reactions in Archive Tapes." *Polymer Preprints* 37, no. 2 (1996): 180-181.

Ballard, Mary W. "Dead Walter's Clothes." In *Archaeological Conservation and its Consequences: Summaries of the Posters at the Copenhagen Congress, 26-30 August 1996*, p. 1. London: The International Institute for Conservation of Historic and Artistic Works, 1996.

Ballard, Mary W. "Effects of Orvus." *Hali*, no. 88 (September 1996): 65.

Ballard, Mary W. "Hanging Out: Strength, Elongation, and Relative Humidity B Some Physical Properties of Textile Fibers." In *Preprints ICOM Committee for Conservation, Triennial Meeting, Edinburgh*, pp. 665-669. London: James and James (Science Publishers), Ltd., 1996.

Ballard, Mary W. "Hanging out with Tapestries, Carpets, Quilts: The Effect of Textile Properties on Appearance." *Textile Conservation Group Newsletter* 18, no. 3 (March 1996): 1-4.

Ballard, Mary W. "Hide Glue: Traditional Advantages and Disadvantages." In *The Conservation of 18th Century Painted Silk Dress*, edited by C. Paulocik and S. Flately, pp. 134-145. New York: The Costume Institute, Metropolitan Museum of Art, 1995.

Ballard, Mary W. "How Backings Work: The Effect of Textile Properties on Appearance." In *Lining and Backing: The Support of Paintings, Paper and Textiles, The UKIC Conference 7-8 November, 1995*, pp. 14-39. London: The United Kingdom Institute for Conservation, 1995.

Ballard, Mary W. and Irene Skals. "Masking and Misinterpreting Cotton Fibers: Dangers Associated with the Fiber Analysis of Archeological Textiles." In *Archaeological Conservation and its Consequences: Preprints of the Contributions to the Copenhagen Congress, 26-30 August 1996*, edited by Ashok Roy and Perry Smith, pp. 6-10. London: The International Institute for Conservation of Historic and Artistic Works, 1996.

Beaubien, Harriet F. "Field Recovery of Artifacts with Painted Surfaces: Case Studies from Two Mesoamerican Sites." In *Archaeological Conservation and its Consequences: Summaries of the Posters at the Copenhagen Congress, 26-30 August 1996*, p. 2. London: The International Institute for Conservation of Historic and Artistic Works, 1996.

Charola, A. Elena, Carol A. Grissom, Evin Erder, Melvin J. Wachowiak, Jr., and Douglas Oursler. "Measuring Surface Roughness: Three Techniques." In *Proceedings, 8th International Congress on Deterioration and Conservation of Stone*, edited by Josef Riederer, pp. 1421-1434. Berlin, Germany: 1996.

Chase, W. T., I. L. Barnes, and Emile C. Joel. "Lead Isotope Ratios." In *Eastern Zhou Ritual Bronzes in the Arthur M. Sackler Collections*, authored by Jenny So, Appendix 4, pp. 489-491. *Ancient Chinese Bronzes in the Arthur M. Sackler Collections*, vol. 3. Washington, DC: Arthur M. Sackler Foundation and Cambridge, MA: Arthur M. Sackler Museum, Harvard University, 1995.

Cockburn, E. and Mary Ballard. "Cotton in Ancient Egypt: A Unique Find." In *Proceedings of the First World Congress on Mummy Studies*, pp. 625-631. Puerto de la Cruz, Tenerife, Canary Islands, February 1992. 1996.

Collins, Stephen, Marion F. Mecklenburg, and Mary Ballard. "Fabric Selection and its Relationship to Dimensional Changes in Support Systems for Constrained Fabric Mounting Devices." In *So Many Countries So Many Customs: Different Approaches to Textile Conservation*. International Conference of the ICOM Conservation Committee Working Group on Textiles, Budapest, Hungary, September 11-15, 1995. London: Academic Projects, 1996.

Demarest, Arthur, Erin Sears, and Coral Rasmussen. "Investigaciones de Los Sistemas Defensivos de Punta de Chimino: Suboperaciones PC13A y PC19A." In *Proyecto Arqueologico Regional Petexbatun Informe Preliminar #6*, edited by Arthur A. Demarest, Juan Antonio Valdes, and Hector Escobedo, Chapter 41-1. Vanderbilt University, 1996.

Ellis, G. L., G. A. Goodfriend, J. T. Abbott, P. E. Hare, and David W. von Endt. "Assessment of the Integrity and Geochronology of Archeological Sites Using Amino Acid Racemization in Land Snail Shells: Examples from Central Texas." *Geological Archeology* 11 (1996): 189-211.

Erhardt, W. David, Marion F. Mecklenburg, Charles S. Tumosa, and Tone M. Olstad. "New vs Old Wood: Differences and Similarities in Physical, Mechanical, and Chemical Properties." In *ICOM Committee for Conservation Preprints 1996, Volume II*, pp. 903-910. London: James and James, 1996.

Evershed, Richard P. and Noreen C. Tuross. "Proteinaceous Material from Potsherds and Associated Soils." *Journal of Archaeological Science* 23 (1996): 429-436.

Goodway, Martha. "News of Archaeometallurgy." *Society for Archaeological Sciences Bulletin* 18, no. 3 (July-September 1995): 2.

Goodway, Martha. "News of Archaeometallurgy." *Society for Archaeological Sciences Bulletin* 18, no. 4 (October-December 1995): 1-3.

Goodway, Martha. "News of Archaeometallurgy from Martha Goodway, Smithsonian Institution." *ICOM Committee for Conservation Metals Working Group Newsletter*, no. 15 (December 1995): 3-4.

Goodway, Martha. "Tetsu bunmei no gijitsu kankyo wo tensho suru." In *1994 Shinpojium Ikiteiru Tetsu Hokokusho Zaidan Hojin Tetsu no Rekishi Mura Chiiku Shinko Jigyodan*, pp. 39-56. Tatara, Japan: Tatara Historical Village, 1995.

Grissom, Carol A. "Conservation of Neolithic Lime Plaster Statues from 'Ain Ghazal." In *Archaeological Conservation and its Consequences: Preprints of the Contributions to the Copenhagen Congress, 26-30 August 1996*, edited by Ashok Roy and Perry Smith, pp. 70-75. London: The International Institute for Conservation of Historic and Artistic Works, 1996.

Hedges, R. E. M., J. A. Thorpe, and Noreen C. Tuross. "Is Tooth Enamel Carbonate a Suitable Material for Radiocarbon Dating?" *Radiocarbon* (1995): 285-290.

Henrickson, Robert C. and M. James Blackman. "Large-Scale Production of Pottery at Gordion: A Comparison of the Late Bronze and Early Phrygian Industries." *Paleo-Orient* 22/1 (1966): 67-87.

Klein, Elyse, Jia-sun Tsang, and Mary T. Baker. "Non-Instrumental Methods for the Identification and Characterization of Artists= Acrylic Paints." In *Painting Specialty Group Postprints*, pp.49-53. Washington DC: American Institute for Conservation, 1996.

McCormick-Goodhart, Mark H. "The Allowable Temperature and Relative Humidity Range for the Safe Use and Storage of Photographic Materials." *Journal of the Society of Archivists* 17, no. 1, United Kingdom (1996): 7-21.

McCormick-Goodhart, Mark H. "Moisture Content Isolines and the Glass Transition of Photographic Gelatin; Their Significance to Cold Storage and Accelerated Aging." In *Research Techniques in Photographic Conservation*, pp. 65-70. Proceedings of the Copenhagen Conference, 14-19 May, 1995. Copenhagen: The Royal Danish Academy of Fine Arts, School of Conservation, 1996.

McCormick-Goodhart, Mark H. "Temperature and Relative Humidity Recommendations for the Use and Storage of Photographic Materials." In *I.S.&T.'s 49th Annual Conference B Final Program and Proceedings*, pp. 190-193. Springfield, VA: The Society for Imaging Science and Technology, 1996.

Mecklenburg, Marion F. and Charles S. Tumosa. "The Relationship of Externally Applied Stresses to Environmentally Induced Stresses." In *Fiber Composites in Infrastructure*, edited by H. Saadatmanesh and M. R. Ehsani, pp. 956-971. Proceedings of the First International Conference on Composites in Infrastructure. National Science Foundation and University of Arizona, 1996.

Mecklenburg, Marion F. and Charles S. Tumosa. "Research About Artists' Materials." *American Artist* (April 1996): 12-16.

Mecklenburg, Marion F., Charles S. Tumosa, Mark H. McCormick-Goodhart, and W. David Erhardt. "Keep It Wet." *New Scientist* (6 January 1996): 44.

Neff, Hector, M. D. Glascock, Ronald L. Bishop, and M. James Blackman. "An Assessment of the Acid-Extraction Approach to Compositional Characterization of Archaeological Ceramics." *American Antiquity* 61 (1996): 389-404.

Oudemans, Tania F. M. and W. David Erhardt. "Organic Residue Analysis in Ceramic Studies: Implications for Conservation Treatment and Collections Management." In *Archaeological Conservation and its Consequences: Preprints of the Contributions to the Copenhagen Congress, 26-30 August 1996*, edited by Ashok Roy and Perry Smith, pp. 137-142. London: The International Institute for Conservation of Historic and Artistic Works, 1996.

Oudemans, Tania F. M., W. David Erhardt, and David W. von Endt. "Organic Residues as Use Indicators: Comparative Spectroscopic Studies of Contemporary and Archaeological Kalinga Ceramics." In *International Symposium on Archaeometry*, p. 80. 1996.

- Sayre, Edward V., K. Aslihan, and Emile C. Joel. "Comments on 'Oxhide Ingots,' Recycling and the Mediterranean Metals Trade." *Journal of Mediterranean Archaeology* 8.1 (1995): 45-53.
- Sears, Erin, Ronald L. Bishop, Irma Rodas, and Hector Escobedo. "Excavaciones en La Paciencia, 1994: Un Esfuerzo de Rescate." In *Proyecto Arqueologico Regional Petexbatun Informe Preliminar #6*, edited by Arthur A. Demarest, Juan Antonio Valdes, and Hector Escobedo, Chapter 21-1. Vanderbilt University, 1996.
- Steponaitis, V. P., M. James Blackman, and Hector Neff. "Large-Scale Patterns in Chemical Composition of Mississippian Pottery." *American Antiquity* 61 (1996): 555-572.
- Taylor, R. E., P. E. Hare, David W. von Endt, and J. E. Kokis. "Biochemical Criteria for the Characterization of Thermally-Altered Bone." In *International Symposium on Archaeometry*, p. 102. 1996.
- Tsai, Fei-Wen. "Disaster Preparedness B Prevention, Response and Recovery Procedures for Water-Based Emergencies: Paper-Based and Magnetic Media Materials." In *On Preservation and Disaster Planning: Symposium on the Conservation and Preservation of Cultural Properties*, pp. 10/1-10/11. Organized by Hwa Kang Museum of Chinese Culture University. Sponsored by the Council for Cultural Affairs, Executive Yuan, R.O.C. 1996.
- Tsang, Jia-sun, Walter R. Hopwood, and Susan Lake. "Analysis of A Moisture-Sensitive Painting." In *Painting Specialty Group Postprints*, pp. 115-120. Washington DC: American Institute for Conservation, 1996.
- Tumosa, Charles S. "Die Longevity of the Silver Ruble from 1829 to 1847." *Journal of the Russian Numismatic Society*, no. 59 (1996): 50-52.
- Tumosa, Charles S., Marion F. Mecklenburg, W. David Erhardt, and Mark H. McCormick-Goodhart. "A Discussion of Research on the Effects of Temperature and Relative Humidity on Museum Objects." *WAAC Newsletter* 18, no. 3 (1996): 19-20.
- Tuross, Noreen. "The Contributions of Light Isotope Ratio Mass Spectrometry to the Study and Preservation of Museum Objects," In *International Symposium on the Conservation and Restoration of Cultural Property: Spectrometric Examination in Conservation*, Tokyo: Tokyo National Research Institute of Cultural Properties, 1996, pp. 136-143.
- Tuross, Noreen C., I. Barnes, and R. Potts. "Protein Identification of Blood Residues on Experimental Tools." *Journal of Archaeological Science* 23 (1996): 289-296.
- van der Reyden, Dianne. "Paper Documents." In *Storage of Natural History Collections: A Preventive Conservation Approach: Volume I*, edited by Carolyn L. Rose, Catharine A. Hawks, and Hugh H. Genoways, pp. 327-353. Washington, DC: Society for the Preservation of Natural History Collections, 1995.

van der Reyden, Dianne, Heather Tennison, and Fei-Wen Tsai. "Publish, Then Perish: The Reclamation of a Collection of Scientific Illustrations." *Restaurator* 17 (1996): 104-115.

von Endt, David W., W. David Erhardt, and Walter R. Hopwood. "Evaluating Materials Used for Constructing Storage Cases." In *Storage of Natural History Collections: A Preventive Conservation Approach: Volume I*, edited by Carolyn L. Rose, Catharine A. Hawks, and Hugh H. Genoways, pp. 269-282. Washington, DC: Society for the Preservation of Natural History Collections, 1995.

von Endt, David W., J. Harasewych, and J. Post. "Byne's Disease Revisited." In *Program with Abstracts, SPNHC 1996 Annual Meeting*, p. 19. 1996.

von Endt, David W. and P. E. Hare. "High Temperature Experiments Concerning the Stability of Bone." In *2nd World Congress on the Preservation of Natural History Collections*, p. 62. 1996.

von Endt, David W. and P. E. Hare. "Spirit Collections: The Stability of Keratin at Elevated Temperatures." In *2nd World Congress on the Preservation of Natural History Collections*, p. 63. 1996.

Wilson, Andrew S., Noreen C. Tuross, and Melvin J. Wachowiak, Jr. "Blood Residues on Archaeological Objects: A Conservation Perspective." In *Archaeological Conservation and its Consequences: Preprints of the Contributions to the Copenhagen Congress, 26-30 August 1996*, edited by Ashok Roy and Perry Smith, pp. 213-217. London: The International Institute for Conservation of Historic and Artistic Works, 1996.

1995

Alexander, Ingrid C. "Technical Studies and the Field of Conservation," *Study Series* (June 1995): 17-18.

Baker, Mary T. "Ancient Mexican Rubber Artifacts and Modern American Spacesuits: Studies in Crystallization and Oxidation," *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 223-232, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Baker, Mary T. "Conservation Issues for Modern Materials," In *Preserving the Recent Past*, edited by D. Slaton and R.A. Shiffer, pp. IV/11-IV/18, Washington, DC: Historic Preservation Education Foundation, 1995.

Baker, Mary T. "Lifetime Predictions for Polyurethane-Based recording Media Binders: Determination of the 'Shelf-Life' of Videotape Collections," In *Resins: Ancient and Modern*, edited by M.M. Wright and J.H. Townsend, pp. 106-110, Edinburgh: The Scottish Society for Conservation and Restoration, 1995.

Baker, Mary T. "Thermal Studies on Ancient and Modern Rubber: Environmental Information Contained in Crystallised Rubber," In *Resins: Ancient and Modern*, edited by M.M. Wright and J.H. Townsend, pp. 53-56, Edinburgh: The Scottish Society for Conservation and Restoration, 1995.

Ballard, Mary W. "Mechanical Properties: Preview and Review," *Textile Conservation Newsletter*, no. 28 (Spring 1995): 14-28.

Beaubien, Harriet F. "'Low Tech' Method for Characterizing Materials in the Field," *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 641-652, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Beaubien, Harriet F. "Summaries of 'Discussion #1,' 'Discussion #2,' and 'Discussion #3,'" In *Loss Compensation: Technical and Philosophical Issues*, compiled by Ellen Pearlstein and Michele Marincola, Proceedings of the Objects Specialty Group Session, 10 June 1994, 22nd Annual Meeting, Nashville, TN, Washington, DC: American Institute for Conservation, 1995, pp. 35-37, 72, 122.

Becker, Mary A., Polly Willman, and Noreen C. Tuross. "The U.S. First Ladies Gowns: A Biochemical Study of Silk Preservation," *Journal of the American Institute for Conservation*, vol. 34, no. 2 (1995): 141-152.

Bishop, Ronald L. "Pre-Columbian Pottery: Research in the Maya Region," In *Archaeometry of Pre-Columbian Sites and Artifacts*, edited by D.A. Scott, and P. Meyers, Los Angeles: The Getty Conservation Institute, 1994, pp. 15-55.

Bishop, Ronald L. "Análisis de composición de la cerámica en el sur de América Central," *Vinculos*, vol. 18, no. 1-2, vol. 19, no. 1-2, pp. 9-30.

Bishop, Ronald L., and Marilyn P. Beaudry. "Appendix B, Chemical Compositional Analysis of Southeastern Maya Ceramics," In *The Copan Residential Zone*, by G.R. Willey, R.M. Leventhal, A.A. Demarest, and W.L. Fash, Jr., Papers of the Peabody Museum of Archaeology and Ethnology, vol. 80, Cambridge: Harvard University, 1994, pp. 407-444.

Bocherens, H., Marilyn Fogel, Noreen C. Tuross, and M. Zeder. "Preservation of Trophic Structure and Climatic Information Through Signatures in Fossil Mammals from a Pleistocene Cave in Southern England," *Journal of Archaeological Science*, vol. 22, no. 2 (1995): 327-345.

Butterfield, Dale, and Pamela B. Vandiver. "Microdots as a Means of Marking and Tracking Artifacts," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 181-186, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Crane, Brian D., M. James Blackman, and Pamela B. Vandiver. "Continuity, Adaptation and Resistance: The Cultural Contexts of the Manufacture, Distribution, and Use of African-American Pottery in Eighteenth Century Charleston, South Carolina," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 539-552, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Dunsmuir, J.H., Pamela B. Vandiver, R.R. Chianelli, H.W. Deckman, and J.H. Hardenbergh. "X-Ray Microtomography of Ceramic Artifacts," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 73-84, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Erhardt, W. David. "Research and Technical Studies," *AIC Newsletter*, vol. 20, no. 1 (1995): 30.

Erhardt, W. David. "Research and Technical Studies," *AIC Newsletter*, vol. 20, no. 3 (1995): 19.

Erhardt, W. David. "Research and Technical Studies," *AIC Newsletter*, vol. 20, no. 5 (1995): 24-25.

Erhardt, W. David, and Judith J. Bischoff. "To the Editors," *Studies in Conservation*, vol. 39, no. 4 (1994): 285-286.

Erhardt, W. David, and Marion F. Mecklenburg. "Accelerated vs Natural Aging: Effects of Aging Conditions on the Aging Process of Paper," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 247-270, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Erhardt, W. David, Marion F. Mecklenburg, Charles S. Tumosa, and Mark H. McCormick-Goodhart. "Determinacion de las Fluctuaciones Permisibles de Humedad Relativa," *Apoyo*, vol. 6, no. 1 (1995): 6-8.

Erhardt, W. David, Marion F. Mecklenburg, Charles S. Tumosa, and Mark H. McCormick-Goodhart. "The Determination of Allowable RH Fluctuations," *Western Association for Art Conservation Newsletter*, vol. 17, no. 1 (1995): 19-23.

Erhardt, W. David, Marion F. Mecklenburg, Charles S. Tumosa, and Mark H. McCormick-Goodhart. "Guidelines for the Museum Climate," Report to the Task Force on Indoor Air Quality in Museums, International Society of Indoor Air Quality and Climate, June 1995.

Evershed, R.P., G. Turner-Walker, R.E.M. Hedges, Noreen C. Tuross, and A. Leyden. "Preliminary Results for the Analysis of Lipids in Ancient Bone," *Journal of Archaeological Science*, vol. 22, no. 2 (1995): 277-290.

Foias, Antonia E., and Ronald L. Bishop. "El colapso Clásico Maya y las vijillas de pasta fina en la region de Petexbatun," In *VII Simposio de Investigaciones Arqueologicas en Guatemala 1993*, edited by J.P. Laporte and J.L. Escobedo, Guatemala City: Museo Nacional de Arqueologia y Etnologia, 1994, pp. 563-586.

Gayle, Frank W., and Martha Goodway. "Precipitation Hardening in the First Aerospace Aluminum: the Wright Flyer Crankcase," *Science*, vol. 266, no. 5187 (11 November 1994): abstract 949, text 1015-1017, illustration 947.

Gilman, Patricia A., Veletta Canouts, and Ronald L. Bishop. "The Production and Distribution of Classic Mimbres Black-on-White Pottery," *American Antiquity*, vol. 59 (1994): 695-709.

Goodway, Martha. "Comment on Sharp and Mittwede's 'Was Kestel really the source of tin for ancient bronze?'," *Geoarchaeology*, vol. 10 (1995): 139-141.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 17, no. 3 (July-September 1994): 3-4.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 17, no. 4 (October-December 1994): 1, 13.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 18, no. 1 (January-March 1995): 1.

Goodway, Martha. "The Traditional Use of an Ore Mineral as an Abrasive," *Journal of Field Archaeology*, vol. 22 (1995): 255-256.

Grissom, Carol A. "The Conservation of Outdoor Zinc Sculpture," In *Ancient and Historic Metals*, edited by David A. Scott, Jerry Podany, and Brian B. Considine, pp. 279-304, Los Angeles: The Getty Conservation Institute, 1994.

Grissom, Carol A. "The Deterioration and Treatment of Volcanic Stone: A Review of the Literature," In *Lavas and Volcanic Tuffs*, edited by A. Elena Charola, pp. 3-29, Rome: ICCROM, 1994.

Harbottle, Garman, Hector Neff, and Ronald L. Bishop. "Appendix C, The Sources of Copan Valley Obsidian," In *The Copan Residential Zone*, by G.R. Willey, R.M. Leventhal, A.A. Demarest, and W.L. Fash, Jr., Papers of the Peabody Museum of Archaeology and Ethnology, vol. 80, Cambridge: Harvard University, 1994, pp. 445-458.

Kaplan, Emily, Katherine A. Holbrow, and Harriet F. Beaubien. "Desalination Parameters for Harappan Terracotta," In *Abstracts of Papers Presented at the 23rd Annual Meeting, St. Paul, MN*, Washington, DC: American Institute for Conservation, 1995, pp. 69-70.

Klein, Elyse, Jia-sun Tsang, and Mary T. Baker. "Noninstrumental Methods for the Characterization of Artist's Acrylic Paints," In *Abstracts of Papers Presented at the 23rd Annual Meeting, St. Paul, MN*, Washington, DC: American Institute for Conservation, 1995, pp. 77.

Lange, Frederick W., and Ronald L. Bishop. "Abstraction and Jade Exchange in Precolumbian Southern Mesoamerica and Lower Central America: Costa Rican Considerations," *The Bulletin of the Friends of Jade*, pp. 105-124. (Reprinted from original 1988 publication)

Levine, Tim, Pamela B. Vandiver, and James W. Mayer. "A Forward Recoil Energy Spectroscopy (FRES) Test of Hydrogen Reduction as a Strategy for Firing of Chinese Ceramics," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 167-186, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

McCarthy, Blythe, Pamela B. Vandiver, and M. Gibson. "Innovation and Continuity in the Technology of Southwest Asian Monochrome Blue Glazes," *The Ceramics Cultural Heritage*, edited by P. Vincenzini, CIMTEC Conference Proceedings, Florence, Italy, July 1994, Faenza: Techna (1995): 207-220.

Mecklenburg, Marion F., Charles S. Tumosa, and Mark H. McCormick-Goodhart. "A General Model Relating Externally Induced Stresses in Materials," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 285-292, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Mecklenburg, Marion F., Charles S. Tumosa, and Nicholas Wyplosz. "The Effects of Relative Humidity on the Structural Response of Selected Wood Samples in the Cross Grain Direction," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 305-325, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Minc, L.D., M.G. Hodge, and M. James Blackman. "Stylistic and Spatial Variability in Early Aztec Ceramics: Insights into Pre-Imperial Exchange Systems," In *Economies and Politics in the Aztec Realm*, edited by Mary G. Hodge and Michael E. Smith, Albany: Institute for Mesoamerican Studies, SUNY, Albany, 1994, pp. 133-173.

Pena, J.T., and M. James Blackman. "A Neutron Activation Study of Plio-Pleistocene Marine Clays from West Central Italy: Compositional Variability and Implications for the Proveniencing of Italian Fineware Pottery," In *1st European Workshop on Archaeological Ceramics*, edited by F. Burrigato, O. Grubessi, and L. Lazzarini, Dipartimento di Scienza della Terra, University of Roma, Rome, 1994, pp. 313-321.

Petraglia, M.D., R.B. Potts, and Pamela B. Vandiver. "Analyses Techniques de Deus 'Mortiers' du Paleolithique Superieur de la Madeleine, Dordogne, France," *L'Anthropologie* (Paris), vol. 98, no. 4 (1995): 674-682.

Tsang, Jia-sun, Walter Hopwood, and Susan Lake. "A Study of a Moisture-Sensitive Painting," In *Abstracts of papers presented at the 23rd Annual Meeting, St. Paul, MN*, Washington, DC: American Institute for Conservation, 1995, p. 86.

Tumosa, Charles S., W. David Erhardt, Marion F. Mecklenburg, and Mark H. McCormick-Goodhart. "The Effects of Relative Humidity and Temperature on Exhibited Objects," *Special ICOM Study Series No. 1*, 1994, p. 9.

Tuross, Noreen C. "Archaeological Artifact and Biomolecule Affiliation: Testing the Consequences of Cleaning," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 41-50, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Tuross, Noreen C., and T. Dillehay. "Mechanism of Organic Preservation at Monte Verde and One Use of Biomolecules," *Journal of Field Archaeology*, vol. 22 (1995): 97-110.

van der Reyden, Dianne. "Material Care - Material Science: Preservation of Research Collections," *The Grapevine*, Smithsonian Institution, 1994, pp. 1-2.

van der Reyden, Dianne. "Maximizing Minimum Resources for Paper-Based Archives, Library, and Research Collections," *IIC Summaries of the Posters at the Ottawa Conference on Preventive Care*, Ottawa: International Institute for Conservation, 1994, p. 32.

van der Reyden, Dianne. "Preservation Responsibilities," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 63-72, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

van der Reyden, Dianne. "A Sticky Problem: Technical Study and Treatment of a Sam Francis 'Gouache' Stuck between Glass," *Modern Works, Modern Problems?*, London: The Institute of Paper Conservation, 1994, pp. 139-147.

van der Reyden, Dianne, and Mary T. Baker. "Genuine Vegetable Parchment Paper: Effects of Accelerated Aging on Some Physical and Chemical Properties," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 271-283, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Vandiver, Pamela B. "The Ash Glazes of Jack Troy," In *Wood-Fired Stoneware and Porcelain*, by Jack Troy, Radnor, PA: Chilton Book Co., 1995, pp. 155-160.

Vandiver, Pamela B. "Introduction and Reply to R. Dunnell's 'Why Archaeologists Don't Care About Archaeometry'," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. iii-xxv, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Vandiver, Pamela B. "Ceramic Manufacture and Use at Dolni Vestonice, 26,000 B.P.," *The Ceramics Cultural Heritage*, edited by P. Vincenzini, CIMTEC Conference Proceedings, Florence, Italy, July 1994, Faenza: Techna, 1995, pp. 183-196.

Vandiver, Pamela B. "Corrosion of Synthesized Glasses and Glazes as Analogs for Nuclear Waste Glass Degradation," In *Materials Issues in Art and Archaeology IV*, edited by Pamela B. Vandiver, J.R. Druzik, J.L.G. Madrid, I.C. Freestone, and G.S. Wheeler, pp. 395-412, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995.

Vandiver, Pamela B., James R. Druzik, J.L. Galvan, G.S. Wheeler, I.C. Freestone, eds. *Materials Issues in Art and Archaeology IV*, Materials Research Society Symposium Proceedings Series 352, Pittsburgh: Materials Research Society, 1995, 960 pp.

Vandiver, Pamela B., McG Gibson, and A. McMahon. "Glass Manufacture in the Late Third Millennium B.C. at Mippur in Iraq," In *The Ceramics Cultural Heritage*, edited by P. Vincenzini, CIMTEC Conference Proceedings, Florence, Italy, July 1994, Faenza: Techna, 1995, pp. 331-342.

Vandiver, Pamela B., and Olga Soffer. "Chapter 4. The Ceramics," In *Pavlov I: Excavations 1952-53*, edited by Jiri Svoboda, Etudes et Recherches Archeologiques de L'Universite de Liege, The Dolni Vestonice Studies, 2, 1994, pp. 163-173.

Vandiver, Pamela B., and Charles S. Tumosa. "Xeroradiographic Imaging," *American Journal of Archaeology*, vol. 99 (1995): 121-124; included in "Science in Archaeology: A Review," by Patrick E. McGovern, pp. 79-142.

Vázquez, L.R., F.W. Lange, J.W. Hoopes, O. Fonseca Z., R. González R., A.C. Arias, Ronald L. Bishop, Nathalie Borgnino, A. Constenla U., F. Corrales U., E. Espinoza P., L.A. Fletcher, J.V. Guerrero M., V. Lauthelin, D. Rigat, S. Salgado G., R. Salgado G. "Hacia futuras investigaciones en Gran Nicoya," *Vinculos*, vol. 18, no. 1-2, vol. 19, no. 1-2, 1994, pp. 245-278.

Wachowiak Jr., Melvin J. "An Introduction to Optical Microscopy for Analysis of Resins," In *Resins: Ancient and Modern*, edited by M.M. Wright and J.H. Townsend, pp. 64-69, Edinburgh: The Scottish Society for Conservation and Restoration, 1995.

Williams, Donald C. "The Past and Future History of Natural Resins as Coatings," In *Resins: Ancient and Modern*, edited by M.M. Wright and J.H. Townsend, pp. 88-92, Edinburgh: The Scottish Society for Conservation and Restoration, 1995.

1994

Alexander, Ingrid C., Christian Lahanier (project leader), et al. *Art and Science*. CD-ROM, Paris: Direction des musées de France and EURitis, 1994.

Ballard, Mary W. "Climate and Conservation," In *The Textile Specialty Group Postprints*, edited by S. Thomassen Kraus, L. Eaton, and S.L. Rieter, vol. 2, pp. 31-45, Washington, DC: American Institute for Conservation, 1994.

Ballard, Mary W. "Integrated Pest Management in Museum, Library and Archival Facilities," *History News*, vol. 49, no. 4 (September/October 1994): 6-7.

Ballard, Mary W. "Pigment Printing: Past and Present," In *Preprints: The Treatment and Handling of Textiles with Associated Problematic Materials, Second Biannual Symposium, Textile Conservation Group, October 5-6, 1994*, pp. 11-44, New York: Textile Conservation Group, 1994.

Ballard, Mary W., E.N. Caner-Saltik, R. Drewello, P.S.C. Caston and M. Schuller. "Appendix 2: Proposal to Bridge the Gap Between Theory and Practice in the Conservation of Ancient Monuments," In *Durability and Change: The Science, Responsibility and Cost of Sustaining Cultural Heritage*, edited by W.E. Krumbein, P. Brimblecombe, D.E. Cosgrove, and S. Staniforth, pp. 290-292, New York: John Wiley and Sons, 1994.

Barbour, D., S. Sturman, and Pamela B. Vandiver. "The Technology of Saint Porchaire Ceramics," *Western Decorative Arts: Part I, Medieval, Renaissance and Historicizing Styles, Including Metals, Enamels and Ceramics*, edited by R. Distelberger, A. Luchs, P. Verdier and T. Wilson, pp. 264-279, National Gallery of Art, Cambridge: Cambridge University Press, 1994.

Beaubien, Harriet F. "Summary of 'National Park Service Approaches to Mural Conservation'," Presented by Rebecca Stevens, *Washington Conservation Guild Newsletter*, vol. 18, no. 4 (June 1994).

Becker, Mary A., and Noreen C. Tuross. "Initial Degradative Changes Found in Bombyx Mori Silk Fibroin," In *Silk polymers: materials science and biotechnology. Biology, Structure, Properties and Genetics*, edited by David L. Kaplan, W.W. Viney, and B.L. Farmer, pp. 252-269, ACS Symposium Series 544, Washington, DC: American Chemical Society, 1994.

Bishop, Ronald L. "Pre-Columbian Pottery: Research in the Maya Region," *Archaeometry of Pre-Columbian Sites and Artifacts*, edited by David A. Scott and Pieter Meyers, pp. 15-66, Los Angeles: The Getty Conservation Institute, 1994.

Bishop, Ronald L., and Patricia L. Crown. "Appendix A: Experimental Procedures and Parameters used in the Instrumental Neutron Activation Analysis of the Gila Polychrome Ceramics," *Ceramics and Ideology: Salado Polychrome Pottery*, by Patricia L. Crown with contributions by Ronald L. Bishop, pp. 227-232, Albuquerque: University of New Mexico Press, 1994.

Blackman, M. James, and Scott Redford. "Glazed Calcareous Clay Ceramics from Gritille, Turkey," *MUQARNAS*, vol. 11 (1994): 31-34.

Crown, Patricia L., and Ronald L. Bishop. "The Question of Source," *Ceramics and Ideology: Salado Polychrome Pottery*, by Patricia L. Crown with contributions by Ronald L. Bishop, pp. 21-36, Albuquerque: University of New Mexico Press, 1994.

Erhardt, W. David, and Marion F. Mecklenburg. "Relative Humidity Re-examined," In *Preventive Conservation: Practice, Theory and Research*, Preprints of the Contributions to the Ottawa Congress, 12-16 September 1994, edited by Ashok Roy and Perry Smith, pp. 32-38, London: The International Institute for Conservation, 1994.

Goodway, Martha. "The Patination of Iron by Bower-Barffing," In *Metal Plating and Patination: Cultural, Technical and Historical Developments*, edited by Susan La Niece and Paul Craddock, pp. 155-160, and plates 13.1-13.4, Oxford: Butterworth-Heinemann, 1993.

Goodway, Martha. "Archaeometallurgy and Nuclear Waste Containment," *Scientific Basis for Nuclear Waste Management XVI*, edited by Charles G. Interrante and Roberto T. Pabaian, pp. 605-611, Symposium Proceedings Series 294, Pittsburgh: Materials Research Society, 1993.

Goodway, Martha. "Recent Information Overlooked in 'Forging Iron'," *Materials Research Society Bulletin*, vol. 18, no. 9 (September 1993): 8-9.

Goodway, Martha. "Ancient Lead-Containing Waterproof Plasters," *Elements*, vol. 6, no. 1 (Spring 1993): 1, 5.

Goodway, Martha, and Richard A. Leyes II. "Back to Kitty Hawk: Investigating the First Aircraft Aluminum," *JOM: The Journal of the Minerals, Metals & Materials Society*, vol. 45, no. 11 (November 1993): 20-22.

Goriesky, Gail, and Lambertus van Zelst. "Shedding Light on Life," *Museum International (UNESCO)*, vol. 46, no. 3 (1994): 16-20.

Hare, P.E., G.A. Goodfriend, A.S. Brooks, J.E. Kokis, and David W. von Endt. "Chemical Clocks and Thermometers: Diagenetic Reactions of Amino Acids in Fossils," *Carnegie Institution Yearbook*, pp. 96-101, Washington, DC: Carnegie Institution of Washington, 1993.

Heald, Susan, Lucy Commoner, and Mary W. Ballard. "A Study of Deposits on Glass in Direct Contact with Mounted Textiles," In *The Textile Specialty Group Postprints*, edited by C.C. McLean, vol. 3, pp. 6-18, Washington, DC: American Institute for Conservation, 1994.

Hodge, Mary G., Hector Neff, M. James Blackman, and Lea D. Minc. "The Regional Structure of Black on Orange Ceramics Production in the Aztec Empire's Heartland," *Latin American Antiquity*, vol. 4, no. 2 (1993): 130-157.

Koch, Paul L., Marilyn Fogel, and Noreen C. Tuross. "Tracing the Diets of Fossil Animals Using Stable Isotopes," In *Stable Isotopes in Ecology and Environmental Science*, edited by K. Lajtha and R.H. Michener, pp. 83-112, Methods in Ecology, Boston: Blackwell Scientific Publications, 1994.

Lundberg, Holly S., and Harriet F. Beaubien. "Artifact Conservation during the 1993 Field Season," In *Preliminary Report of the Cerén Research Project, 1993 Season*, edited by Payson D. Sheets and Scott E. Simmons, pp. 164-172, Boulder: University of Colorado, Department of Anthropology, 1993.

Mecklenburg, Marion F., Mark H. McCormick-Goodhart, and Charles S. Tumosa. "Investigation into the Deterioration of Paintings and Photographs Using Computerized Modeling of Stress Development," *Journal of the American Institute for Conservation*, vol. 33, no. 2 (1994): 153-170.

Mecklenburg, Marion F., Charles S. Tumosa, and Jonah D. Erlebacher. "Mechanical Behavior of Artist's Acrylic Paints Under Equilibrium Conditions," In *Polymer Preprints: Polymers in Museums Symposium*, vol. 35, no. 2, pp. 297-298, Washington, DC: American Chemical Society, 1994.

Neff, Hector, Ronald L. Bishop, Edward B. Sisson, Michael D. Glascock, and Penny R. Sisson. "Neutron Activation Analysis of Late Postclassic Polychrome Pottery from Central Mexico," In *Mixteca-Puebla: Discoveries and Research in Mesoamerican Art and Archaeology*, edited by Henry B. Nicholson and E.Q. Keber, pp. 117-142, Culver City, CA: Labyrinthos, 1994.

Reents-Budet, Dorie, Ronald L. Bishop, and Barbara MacLeod. "Painting Styles, Workshop Locations and Pottery Production," In *Painting the Maya Universe: Royal Ceramics of the Classic Period*, by Dorie Reents-Budet, pp. 164--233, Durham, NC: Duke University Press, 1994.

Rhee, Heasoon, and Mary W. Ballard. "The Chemical Interaction of Surfactants with Fibers, Especially Silk," In *The Textile Specialty Group Postprints*, edited by C.C. McLean, vol. 3, pp. 28-37, Washington, DC: American Institute for Conservation, 1994.

Sayre, Edward V., K. Aslihan Yener, and Emile C. Joel. "Comments on P. Budd, D. Gale, A.M. Pollard, R.G. Thomas, and P.A. Williams 'Evaluating Lead Isotope Data: Further Observations, *Archaeometry*, vol. 35, no. 2 (1993)' and Reply," *Archaeometry*, vol. 35, no. 2 (1993): 247-252.

Staniforth, Rapporteur S., Mary W. Ballard, E.N. Caner-Saltik, R. Drewello, I-L. Eckmann, W.E. Krumbein, Tim Padfield, M.M. Reddy, M. Schuller, S. Simon, L. Slavoshevskaya, N.H. Tennent, W. Wlters (Moderator). "Group report: What are Appropriate Strategies to Evaluate Change and to Sustain Cultural Heritage," In *Durability and Change: The Science, Responsibility and Cost of Sustaining Cultural Heritage*, edited by W.E. Krumbein, P. Brimblecombe, D.E. Cosgrove, and S. Staniforth, pp. 217-224, New York: John Wiley and Sons, 1994.

Stathoplos, Linda, and Noreen C. Tuross. "Isolation and Characterization of Proteins and DNA from Planktonic Foraminifera," *Journal of Foraminiferal Research*, vol. 24, no. 1 (1994): 49-59.

Stein, Gil S., and M. James Blackman. "The Organizational Context of Specialized Craft Production in Early Mesopotamian States," In *Research in Economic Anthropology*, edited by Barry Isaac, vol. 14, pp. 29-59, Greenwich: JAI Press, 1993.

Tuross, Noreen C. "The Biochemistry of Ancient DNA in Bone," *Experientia*, vol. 50 (1994): 530-536, Basel, Switzerland: Birkhäuser.

Tuross, Noreen C., and Marilyn L. Fogel. "Exceptional Molecular Preservation in the Fossil Record: The Archaeological, Conservation and Scientific Challenge," In *Archaeometry of Pre-Columbian Sites and Artifacts*, edited by David A. Scott and Pieter Meyers, pp. 367-380, Los Angeles: The Getty Conservation Institute, 1994.

Tuross, Noreen C., and Marilyn L. Fogel. "Stable Isotopic Analysis and Subsistence Patterns at the Sully Site, SD," In *The Skeletal Biology of the Plains*, edited by D. Owsley and R. Jantz, pp. 283-290, Washington, DC: Smithsonian Institution, 1994.

Tuross, Noreen C., Marilyn L. Fogel, L. Newsom, and G. Doran. "Subsistence in the Florida Archaic: The Stable Isotope and Archaeobotanical Evidence from the Windover Site," *American Antiquity*, vol. 59, no. 2 (1994): 289-303.

van der Reyden, Dianne, Christa Hofmann, and Mary T. Baker. "Effects of Aging and Solvent Treatments on Some Properties of Contemporary Tracing Papers," *Journal of the American Institute for Conservation*, vol. 32, no. 2 (1993): 177-206.

van der Reyden, Dianne, Erika M. Mosier, and Mary T. Baker. "Pigment-Coated Papers I: History and Technology," In *Preprints for the ICOM Committee for Conservation, 10th Triennial Meeting, Washington, DC, 22-27 August 1993*, vol. 2, pp. 491-498, 1993.

van der Reyden, Dianne, Erika M. Mosier, and Mary T. Baker. "Pigment-Coated Papers II: The Effects of Solvent Treatments on Selected Examples," In *Preprints for the ICOM Committee for Conservation, 10th Triennial Meeting, Washington, DC, 22-27 August 1993*, vol. 2, pp. 499-506, 1993.

Vandiver, Pamela B. "Corrosion of Synthesized Glasses and Glazes as Analogs for Nuclear Waste Glass Degradation," In *Scientific Basis for Nuclear Waste Management XVII*, edited by Aaron Barkatt and R.A. Von Konynenburg, pp. 969-982, Materials Research Society Symposium Proceedings 333, Pittsburgh: Materials Research Society, 1994.

Vandiver, Pamela B. "International Symposium on Ancient Ceramics 1992: Review of a Conference," *Asian Perspectives*, vol. 32, no. 2 (Fall 1993): 239-244.

Vandiver, Pamela B. "Pottery Manufacture at Tell el-Khaleifeh," In *Nelson Glueck's 1938-1940 Excavations at Tell el-Khaleifeh: A Reappraisal*, by Gary Pratico, pp. 87-168, Atlanta, GA: Scholars Press, 1993.

Vandiver, Pamela B., Daphne S. Barbour, and Shelley G. Sturman. "Technical Appendix II: The 'Saint Porchaire' Ceramics," In *Western Decorative Arts, Part I: Medieval, Renaissance, and Historicizing Styles, Including Metalware, Enamels and Ceramics*, by Rudolph Distelberger, Alison Luchs, Philippe Verdier, and Timothy H. Wilson, pp. 264-280, Washington, DC: National Gallery of Art and Cambridge University Press, 1994.

Vandiver, Pamela B., Daphne S. Barbour, Shelley G. Sturman, David Ilan, and Maud Spaer. "An Early Glass bead from Tel Dan, Israel," *Israel Exploration Journal*, vol. 44, no. 4 (1993): 230-234.

van Zelst, Lambertus. "Fine Art Examination and Conservation," In *Kirk-Othmer Encyclopedia of Chemical Technology*, 4th Edition, pp. 853-900, New York, NY: John Wiley & Sons, 1994.

von Endt, David W. "The King and I: A Sponge from the Tomb of Phillipos II," *Carnegie Institution Yearbook*, p. 80, Washington, DC: Carnegie Institution of Washington, 1993.

von Endt, David W. "The Analysis of Fluids from Mammalian Type Specimens," *Collection Forum*, vol. 10 (Spring 1994): 45-54.

Wachowiak Jr., Melvin J., Donald C. Williams, and William Lewin. "Conservation of an 18th Century English Japanned Surface," In *Lacquerwork and Japanning*, pp. 27-29, London: United Kingdom Institute for Conservation, 1994.

1993

Baker, Mary T., and Ed McManus. "Spacesuits: NASA's Dream - Conservator's Nightmare," *Saving the Twentieth Century: The Conservation of Modern Materials*, Proceedings of a Conference: Symposium '91 - Saving the Twentieth Century, Ottawa, Canada, 15-20 September 1991, edited by David W. Grattan, pp. 223-229, IIC-Canadian Group, 1993.

Beaubien, Harriet F. "From Codex to Calabash: Recovery of a Painted Organic Artifact from the Archaeological Site of Cerén, El Salvador," *Journal of the American Institute for Conservation*, vol. 32, no. 2 (1993): 153-164.

Beaubien, Harriet F., and Mark R. Fenn. "Chapter 8: Artifact Conservation during the 1992 Field Season," In *1992 Investigations at the Cerén Site, El Salvador: A Preliminary Report*, edited by Payson D. Sheets and Karen A. Kievit, pp. 72-77, Boulder: Department of Anthropology, University of Colorado, 1992.

Becker, Mary A., and Noreen C. Tuross. "Novel Approaches for Assessing the Preservation of Historic Silks: A Case Study of the First Ladies Gowns," *Materials Research Society Bulletin*, vol. 17, no. 1 (1992): 39-45.

Bishop, Ronald L. "Pottery in the High Tech Lab," In *Archaeology*, by Robert J. Sharer and Wendy Ashmore, p. 142, Mountain View, CA: Mayfield Press, 1992.

Bishop, Ronald L., and Veletta Canouts. "Archaeometry," In *The Development of Southeastern Archaeology*, edited by Jay K. Johnson, pp. 160-183, Tuscaloosa, AL: University of Alabama Press, 1993.

Bishop, Ronald L., and Frederick W. Lange. "Sources of Maya and Central American Jadeites: Data Bases and Interpretations - a Summary," In *Precolumbian Jade: New Geological and Cultural Interpretations*, edited by Frederick W. Lange, pp. 30-60, Salt Lake City, UT: University of Utah Press, 1993.

Bishop, Ronald L., Frederick W. Lange, Edward V. Sayre, and Joan Mishara. "Compositional and Structural Analysis of Precolumbian Jade," In *Precolumbian Jade: New Geological and Cultural Interpretations*, edited by Frederick W. Lange, pp. 313-344, Salt Lake City, UT: University of Utah Press, 1993.

Blackman, M. James, G.S. Stein, and Pamela B. Vandiver. "The Standardization Hypothesis and Ceramic Mass Production: Technological, Compositional, and Metric Indices of Craft Specialization at Tell Leilan, Syria," *American Antiquity*, vol. 58, no. 1 (1993): 60-79.

Dajnowski, A., E. Farrell, and Pamela B. Vandiver. "The Technical Examination of Some Neolithic Chinese Liangzhu Ceramics in the Harvard University Art Museums Collection," In *Materials Issues in Art and Archaeology III*, edited by Pamela B. Vandiver, James R. Druzik, G.S. Wheeler, and I.C. Freestone, pp. 609-620, Symposium Proceedings 283, Pittsburgh, PA: Materials Research Society, 1993.

Erhardt, W. David. "Temperature and Relative Humidity Effects on the Aging of Cellulose," In *Preservation Research and Development*, Proceedings of the Library of Congress Round Table on Preservation and Development, Washington, DC, 28-29 September 1992, pp. 31-34.

Erhardt, W. David, and Judith J. Bischoff. "Resin Soap Components," In *Conservation, Training, Materials and Techniques: Latest Developments*, preprints of the Conference Restoration '92, Amsterdam, 20-22 October 1992, pp. 77-79.

Erhardt, W. David, and Judith J. Bischoff. "Resin Soaps and Solvents in the Cleaning of Paintings: Similarities and Differences," In *Preprints, ICOM Committee for Conservation, 10th Triennial Meeting, Washington, DC, 22-27 August 1993*, pp. 141-146, 1993.

Erlebacher, J.D., E. Brown, Marion F. Mecklenburg, and Charles S. Tumosa. "The Effects of Temperature and Relative Humidity on the Mechanical Properties of Modern Painting Materials," In *Materials Issues in Art and Archaeology III*, edited by Pamela B. Vandiver, James R. Druzik, G.S. Wheeler, and I.C. Freestone, pp. 359-370, Symposium Proceedings 283, Pittsburgh, PA: Materials Research Society, 1993.

Fitzhugh, William W., and Jacqueline S. Olin, eds. *Archaeology of the Frobisher Voyages*, Washington, DC: Smithsonian Institution Press, 1993.

Goodway, Martha. "The Metals of Music," *Materials Characterization, Journal of the International Metallographic Society*, vol. 29 (1992): 177-184.

Goodway, Martha. "Notes for a History of Museum Science in the United States," In *Materials Issues in Art and Archaeology III*, edited by Pamela B. Vandiver, James R. Druzik, George S. Wheeler, and Ian C. Freestone, pp. xli-xliii, Symposium Proceedings 283, Pittsburgh, PA: Materials Research Society, 1993.

Goodway, Martha. "Storage Systems for Microscopical Preparations," In *Storage of Natural History Collections: Ideas and Practical Solutions*, edited by Carolyn Rose and Amparo R. Torres, p. 269, Pittsburgh, PA: Society for the Preservation of Natural History Collections, 1992.

Henrickson, Robert C. "Analysis of Use Wear on Ceramic Potter's Tools," In *Materials Issues in Art and Archaeology III*, edited by Pamela B. Vandiver, James R. Druzik, G.S. Wheeler, and I.C. Freestone, pp. 475-493, Symposium Proceedings 283, Pittsburgh, PA: Materials Research Society, 1993.

Henrickson, Robert C. "Politics, Economics, and Ceramic Continuity at Gordion in the Late Second and First Millennia B.C.," In *The Social and Cultural Context of New Ceramic Technologies, Ceramics and Civilization 6*, edited by W. David Kingery, pp. 89-176, Westerville, OH: American Ceramic Society, 1993.

Kozloski, Lillian D., Mary T. Baker, and Ed McManus. "Space Suits, a Legacy of America's Space Program: Their Evolution and Conservation Problems," *Preprints for the ICOM Committee for Conservation 10th Triennial Meeting, Washington, DC, 22-27 August 1993*, vol. 1, pp. 308-313.

Lange, Frederick W., and Ronald L. Bishop. "Summary," *Precolumbian Jade: New Geological and Cultural Interpretations*, edited by Frederick W. Lange, pp. 307-312, Salt Lake City, UT: University of Utah Press, 1993.

McCormick-Goodhart, Mark H., and Marion F. Mecklenburg. "Cold Storage Environments for Photographic Materials," *Final Program and Advance Printing of Paper Summaries, IS&T's 46th Annual Conference*, pp. 277-280, Springfield, VA: The Society for Imaging Science and Technology, 1993.

Mecklenburg, Marion F., and Charles S. Tumosa. "Computer Modeling of the Effects of Temperature and Relative Humidity on Stresses in the Layers of Cultural Materials," In *Preprints from the Proceedings of the Division of Polymeric Materials*, pp. 226-228, Science and Engineering 68, Washington, DC: American Chemical Society, 1993.

Mecklenburg, Marion F., Charles S. Tumosa, and Mark H. McCormick-Goodhart. "A General Method for Determining the Mechanical Properties Needed for the Computer Analysis of Polymeric Structures Subjected to Changes in Temperature and Relative Humidity," In *Materials Issues in Art and Archaeology III*, edited by Pamela B. Vandiver, James R. Druzik, G.S. Wheeler, and I.C. Freestone, pp. 337-358, Symposium Proceedings 283, Pittsburgh, PA: Materials Research Society, 1993.

Murray, A., C.M. Fortunko, Marion F. Mecklenburg, and R.E. Green. "Analysis of Delaminations in Art Objects Using Air-Coupled Ultrasound," In *Materials Issues in Art and Archaeology III*, edited by Pamela B. Vandiver, James R. Druzik, G.S. Wheeler, and I.C. Freestone, pp. 371-378, Symposium Proceedings 283, Pittsburgh, PA: Materials Research Society, 1993.

Olin, Jacqueline S. "History of Research on the Smithsonian Bloom," *Archaeology of the Frobisher Voyages*, edited by William Fitzhugh and Jacqueline S. Olin, pp. 49-55, Washington, DC: Smithsonian Institution Press, 1993.

Ortner, D.J., Noreen C. Tuross, and A.I. Stix. "Treponematosis and Rheumatoid Arthritis in Archaeological New World Populations," *Human Biology*, vol. 64, no. 3 (1992): 337-360.

Reents-Budet, Dorie, Ronald L. Bishop, and Barbara MacLeod. "Acercamiento Integrado a la Ceramica Pintada Clasica Maya," *VI Simposio de Investigaciones Arqueologicas en Guatemala 1992*, edited by Juan Pedro Laporte, Héctor L. Escobedo, and Sandra Villagrán de Brady, pp. 71-114, Guatemala City: Museo Nacional de Arqueologia y Etnologia, 1993.

Rhee, H., and Mary W. Ballard. "Residues of Surfactant on Silk," *Preprints for the ICOM Committee for Conservation, 10th Triennial Meeting, Washington, DC, 22-27 August 1993*, vol. 1, pp. 327-329.

Rhee, H., and Mary W. Ballard. "Surfactants and Silk," *Silk: Harpers Ferry Regional Textile Group 11th Preservation Symposium, Washington, DC, 1992*, pp. 29-33, Harpers Ferry, WV: Harpers Ferry Regional Textile Group, 1993.

Rosenberg, A., Mary W. Ballard, A. Timar-Balazsy, and N. Indictor. "Appendix: Technical Notes," In *Indian Block Printed Cotton Fragments in the Kelsey Museum, The University of Michigan*, by Ruth Barnes, pp. 91-97, Kelsey Museum Studies 8, Ann Arbor: University of Michigan Press, 1993.

Sayre, Edward V., Paul Jett, and Emile C. Joel. "A Technical Examination of the Chinese Buddhist Bronzes in the Freer Gallery of Art, Part B: Stable Lead Isotope Analysis," In *Materials Issues in Art and Archaeology III*, edited by Pamela B. Vandiver, James R. Druzik, G.S. Wheeler, and I.C. Freestone, pp. 225-237, Symposium Proceedings 283, Pittsburgh, PA: Materials Research Society, 1993.

Soffer, Olga, Pamela B. Vandiver, M. Oliva, and L. Seidl. "Case of the Exploding Figurines," *Archaeology*, vol. 46, no. 1 (1993): 36-39.

Sofer, Olga, Pamela B. Vandiver, M. Oliva, and L. Seidl. "Cover and Letters," *Archaeology*, vol. 46, no. 3 (1993): 10-11, 14.

Soffer, Olga, Pamela B. Vandiver, Bohuslav Klima, and Jiri Svoboda. "The Pyrotechnology of Performance Art: Moravian Venuses and Wolverines," In *Before Lascaux: The Complex Record of the Early Upper Paleolithic*, edited by H. Knecht, Anne Pike-Tay, and Randall White, pp. 259-275, Boca Raton: CRC Press, 1993.

Tumosa, Charles S., and Melanie E. Feather. "An Analytical Investigation into the Metallic Composition of the Polushka Struck from 1730-1754," *Journal of the Russian Numismatic Society*, vol. 45 (1992): 14-20.

Tuross, Noreen C., and Linda Stathoplos. "Ancient Proteins in Fossil Bones," In *Methods in Enzymology*, edited by E.A. Zimmer, T.J. White, R.L. Cann, and A.C. Wilson, vol. 224 (1993): 121-129, Academic Press.

van der Reyden, Dianne. "Conservation of Photographs at the Smithsonian Institution: Case Studies Derived from a Condition Survey of 15,000 Photographs," *Post-Prints for 'Imperfect Image' Photomaterials Conference, Windermere, England, Fall, 1992*.

van der Reyden, Dianne. "The Effects of Three Humidification, Flattening and Drying Techniques on the Optical and Mechanical Properties of New and Aged Transparent Papers," In *The Institute of Paper Conservation Conference Papers: Manchester, England 1992*, edited by Sheila Fairbrass, pp. 247-256, Leigh, Worcs, UK: Institute of Paper Conservation.

van der Reyden, Dianne. "Some Effects of Solvents on Transparent Papers," In *The Institute of Paper Conservation Conference Papers: Manchester, England 1992*, edited by Sheila Fairbrass, pp. 234-245, Leigh, Worcs, UK: Institute of Paper Conservation.

van der Reyden, Dianne, Christa Hofmann, Mary T. Baker, and Marion F. Mecklenburg. "Modern Transparent Papers: Materials, Degradation, and the Effects of Some Conservation Treatments," In *Materials Issues in Art and Archaeology III*, edited by Pamela B. Vandiver, James R. Druzik, G.S. Wheeler, and I.C. Freestone, pp. 379-395, Symposium Proceedings 283, Pittsburgh, PA: Materials Research Society, 1993.

van der Reyden, Dianne, Christa Hofmann, Mary T. Baker, and Marion F. Mecklenburg. "The Technology and Treatment of an Embossed, Chromolithographic 'Mechanical' Victorian Valentine Card," *Book and Paper Group Annual*, vol. 11 (1992): 100-125, Washington, DC: American Institute for Conservation, 1992.

van der Reyden, Dianne, Terri T. Schaefer, and Mary T. Baker. "Effect of Aging on Aqueously Light Bleached Paper," *Journal of the American Institute for Conservation*, vol. 31 (1992): 289-311.

van Zelst, Lambertus. "Some New Approaches in Conservation Training at the Smithsonian Institution," *Restoration '92, Amsterdam, October 1992*, pp. 33-38, London: UKIC, 1992.

Vandiver, Pamela B. "European Proto-Porcelain: The Social Context of the History of a Sixteenth Century Ceramic Technology Known as Saint-Porchaire," In *Ceramics and Civilization 6, The Social and Cultural Context of New Ceramic Technologies*, edited by W. David Kingery, pp. 177-224, Westerville, OH: American Ceramic Society, 1993.

Vandiver, Pamela B. "Review of Ceramics at Archaeometry 1992," *Society for Archaeological Sciences Bulletin*, vol. 16, no. 2 (1993): 2.

Vandiver, Pamela B., James R. Druzik, G.S. Wheeler, and I.C. Freestone, eds. *Materials Issues in Art and Archaeology III*, Materials Research Society Proceedings 267, Spring Meeting 1992, Pittsburgh, PA, 1101 pp.

Vandiver, Pamela B., James K. Feathers, R. Kayler, M. Gottfried, K. Aslihan Yener, W.F. Hornyak, and A. Franklin. "TL Dating of a Crucible Fragment from an Early Tin Processing Site in Turkey," *Archaeometry*, vol. 35, no. 2 (1993): 295-298.

Vandiver, Pamela B., Mark R. Fenn, and T.A. Holland. "The Third Millennium B.C. Glazed Quartz Bead from Tell es-Sweyhat, Syria," In *Materials Issues in Art and Archaeology III*, edited by Pamela B. Vandiver, James R. Druzik, G.S. Wheeler, and I.C. Freestone, pp. 519-525, Symposium Proceedings 283, Pittsburgh, PA: Materials Research Society, 1993.

Vandiver, Pamela B., K. Aslihan Yener, and L. May. "Tin Processing Debris from Goltepe (Anatolia)," In *Materials Issues in Art and Archaeology III*, edited by Pamela B. Vandiver, James R. Druzik, G.S. Wheeler, and I.C. Freestone, pp. 545-570, Symposium Proceedings 283, Pittsburgh, PA: Materials Research Society, 1993.

Vitale, Timothy J., and W. David Erhardt. "Changes in Paper Color due to Artificial Aging, and the Effects of Washing on Color Removal," *Preprints for the ICOM Committee for Conservation, 10th Triennial Meeting, Washington, DC, 22-27 August 1993*, vol. 2 (1993): 507-515.

Yelon, A., A. Saucier, J.P. Larocque, P.E.L. Smith, and Pamela B. Vandiver. "Thermal Analysis of Early Neolithic Pottery from Tepe Ganj Dareh, Iran," In *Materials Issues in Art and Archaeology III*, edited by Pamela B. Vandiver, James R. Druzik, G.S. Wheeler, and I.C. Freestone, pp. 591-608, Symposium Proceedings 283, Pittsburgh, PA: Materials Research Society, 1993.

Yener, K. Aslihan, and Pamela B. Vandiver. "Reply to J.D. Muhly, Early Bronze Age Tin and the Taurus," with an appendix, "Early Bronze Age Tin Works as Kestel," by Lynn Willies, *American Journal of Archaeology*, vol. 97, no. 2 (1993): 255-264.

Yener, K. Aslihan, and Pamela B. Vandiver. "Tin Processing at Göltepe, an Early Bronze Age Site in Anatolia," *American Journal of Archaeology*, vol. 97, no. 2 (April 1993): 207-238.

1992

Alexander, Ingrid C. "Contributions to the Physico-Chemical Research on Fifteenth Century Paintings: A Study of Italian and Flemish Painting Techniques," *Revue des Archéologues et Historiens d'Art de Louvain* (1992): 175-178.

Alexander, Ingrid C. "Processes and Performance in Renaissance Painting," *Materials Research Society Bulletin*, vol. 17 (January 1992): 28-31.

Baker, Mary T., and Ed McManus. "History, Care, and Handling of America's Spacesuits: Problems in Modern Materials," *Journal of the American Institute for Conservation*, vol. 31 (1992): 77-85.

Ballard, Mary W. "Emergency Planning," In *Conservation Concerns: A Guide for Collectors and Curators*, edited by Konstanze Bachmann, pp. 11-14, Washington, DC: Smithsonian Institution Press, 1992.

Ballard, Mary W., and Paul Czubay. "Latex Misuse on Historic Carpets and Textiles," In *Polymer Preprints*, vol. 33, no. 2 (August 1992): 664-665. Papers presented at the 204th ACS National Meeting, Washington, DC: American Chemical Society.

Bishop, Ronald L. "Instrumentation and the Future," In *Americanist Archaeology Goals and Practice*, edited by L. Wandsnider, pp. 160-169, Carbondale: Center for Archaeological Investigations at Southern Illinois University at Carbondale, 1992.

Bishop, Ronald L. "Comments on Section II: Variations," In *Chemical Characterization of Ceramic Paste*, edited by Hector Neff, pp. 167-170, Monographs in World Archaeology, no. 7, Madison: Prehistory Press, 1992.

Bishop, Ronald L. "Comments on Section III: Applications," In *Chemical Characterization of Ceramic Paste*, edited by Hector Neff, pp. 287-289, Monographs in World Archaeology, no. 7, Madison: Prehistory Press, 1992.

Bishop, Ronald L., Frederick W. Lange, and Elizabeth K. Easby. "Jade in Meso-America. Pre-Columbian Jade in the Central and Southern Americas," In *Jade*, edited by R. Keverne, pp. 316-337, London: Anness Publishing, 1991.

Bishop, Ronald L., Frederick W. Lange, Peter C. Lange, and Suzanne Abel-Vidor. "Compositional Characterization of the Nicaraguan Ceramic Sample," In *The Archaeology of Pacific Nicaragua*, edited by F.W. Lange, P.D. Sheets, A. Martinez, and S. Abel-Vidor, pp. 135-162, Albuquerque: University of New Mexico Press, 1992.

Blackman, M. James. "The Effect of Human Size Sorting on the Mineralogy and Chemistry on Ceramic Clays," In *Chemical Characterization of Ceramic Pastes in Archaeology*, edited by Hector Neff, pp. 113-124, Madison: Prehistory Press, 1992.

Blackman, M. James., and Massimo Vidale. "The Production and Distribution of Stoneware Bangles at Mohenjo-Daro and Harappa as Monitored by Chemical Characterization Studies," In *South Asian Archaeology 1989*, edited by Catherine Jarrige, pp. 37-43, Madison: Prehistory Press, 1992.

Brill, Robert H., I. Lynus Barnes, and Emile C. Joel. "Lead Isotope Studies of Early Chinese Glass," In *Scientific Research in Early Chinese Glass*, Proceedings of the Archaeometry of Glass Sessions of the 1984 International Symposium on Glass, Beijing, September 7, 1984 with Supplementary Papers, edited by Robert H. Brill and John H. Martin, pp. 65-83, Corning, NY: The Corning Museum of Glass, 1991.

Brown, B. Floyd, Harry C. Burnett, W. Thomas Chase, Martha Goodway, Jerome Kruger, and Marcel Pourbaix, eds. *Corrosion and Metal Artifacts*. Originally published in 1976 as NBS Special Publication 479, republished as a NACE Classic, Houston, TX: The National Association of Corrosion Engineers, 1992.

Crown, Patricia L., and Ronald L. Bishop. "Manufacture of Gila Polychrome in the Greater American Southwest: An Instrumental Neutron Activation Analysis," In *Homol'ovi II: Archaeology of an Ancestral Hopi Village*, Arizona, edited by E.C. Adams and K.A. Hays, pp. 49-74, Anthropological Papers of the University of Arizona 55, Tucson: The University of Arizona Press, 1991.

England, Pamela, James C.Y. Watt, and Lambertus van Zelst. "Analyses of Some Qing Period Chinese Glasses: An Interim Report," In *Scientific Research in Early Chinese Glass*, Proceedings of the Archaeometry of Glass Sessions of the 1984 International Symposium on Glass, Beijing, September 7, 1984 with Supplementary Papers, edited by Robert H. Brill and John H. Martin, pp. 103-107, Corning, NY: The Corning Museum of Glass, 1991.

Erhardt, W. David, contributor. *Art in Transit: Handbook for Packing and Transporting Paintings*, edited by M. Richard, Marion F. Mecklenburg, and Ross Merrill, Washington, DC: National Gallery of Art 1991.

Erlebacher, Jonah D., Marion F. Mecklenburg, and Charles S. Tumosa. "The Mechanical Behavior of Artist's Acrylic Paints with Changing Temperature and Relative Humidity," *Polymer Preprints*, vol. 33, no. 2 (August 1992): 646-647. Papers presented at the 204th ACS National Meeting, Washington, DC: American Chemical Society.

Foias, Antonia, James Brady, Carolina Foncea de Ponciano, David Stuart, Maria Teresa Robles, and Ronald L. Bishop. "Análisis preliminar de la cerámica de los sitios de la región de Petexbatún," *IV Simposio de Arqueología Guatemalteca, Museo Nacional de Arqueología y Etnología, Julio de 1990*, edited by J.P. Laporte, H.L. Escobedo, and S. Villagrán de Brady, pp. 179-200, Guatemala: Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, and Asociación Tikal, 1992.

Gianno, Rosemary, W. David Erhardt, David W. von Endt, Walter R. Hopwood, and Mary T. Baker. "The Resins from Three Southeast Asian Shipwrecks," In *Museum Applied Science Center for Archaeology (MASCA) Occasional Papers*, 1991, p. 59, Philadelphia: MASCA, University of Pennsylvania, 1991.

Gleason, Margaret A., Lisa A. Kronthal, Harriet F. Beaubien, Carol A. Grissom, and Donald C. Williams. "Conservation of an Object in Use: The Treatment of the House of Representatives' Mace" *Abstracts of papers presented at the 20th Annual Meeting, Buffalo, New York, 1992*, p. 65, Washington, DC: American Institute for Conservation, 1992.

Gleason, Margaret A., Lisa A. Kronthal, Harriet F. Beaubien, Carol A. Grissom, and Donald C. Williams. "Treatment of the U.S. House of Representatives' Mace: An Object in Use" *Abstracts of papers presented at the 20th Annual Meeting, Buffalo, New York, 1992*, p. 67-75, Washington, DC: American Institute for Conservation, 1992.

Glumac, Peter D., ed. *Recent Trends in Archaeometallurgical Research*, vol. 8, no. 1, special issue, MASCA Recent Papers in Science and Archaeology, Philadelphia: MASCA, University of Pennsylvania, 1991.

Glumac, Peter, D. "Introduction," *Recent Trends in Archaeometallurgical Research*, vol. 8, no. 1 (1991): 5-6, Philadelphia: MASCA, University of Pennsylvania, 1991.

Glumac, Peter D., and Judith A. Todd. "Early Metallurgy in Southeastern Europe: The Evidence for Production," *Recent Trends in Archaeometallurgical Research*, vol. 8, no. 1 (1991): 8-19, Philadelphia: MASCA, University of Pennsylvania, 1991.

Goodfriend, G.A., P.E. Hare, and David W. von Endt. "Rapid Racemization of Aspartic Acid in Biogenic Carbonates as a Means of Dating on a Decadal Time Scale," *Geological Society of America Bulletin* (1991): 105.

Goodway, Martha. "Kenneth Barraclough (obituary)," *Society for Archaeological Sciences Bulletin*, vol. 14, no. 3 (1991): 10.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 14, no. 3 (1991): 8-10.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 14, no. 4 (1991): 7.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 15, no. 1 (1992): 1.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 15, no. 2 (1992): 1.

Goodway, Martha. "William Rostoker (obituary)," *Society for Archaeological Sciences Bulletin*, vol. 14, no. 3 (1991): 10.

Goodway, Martha, and J. Scott Odell. "The Smithsonian harpsichord wire project, or what was the old wire really like?" *Saiten und ihre Herstellung in Vergangenheit Gegenwart*, Beiheft 11 zu den Studien der Auffrungspraxis und Interpretation der Musik des 18. Jahrhunderts, Proceedings of the 9th Symposium on Questions of Musical Instrument Making, 11-12 Michaelstein, 1988, pp. 41-46, Michaelstein/Blankenburg, 1991.

Goodway, Martha, and William R. Savage. "Coulomb's data on harpsichord wire," *Materials Research Society Bulletin*, vol. 17 (January 1992): 24-27.

Hansen, Richard D., Ronald L. Bishop, and Federico Fahsen. "Notes on Maya Codex-style Ceramics from Nakbe, Peten, Guatemala," *Ancient Mesoamerica*, vol. 2 (1992): 225-244.

Hansen, Richard D., Federico Fahsen, and Ronald L. Bishop. "Escribas, códigos y vasos: estudios de un vaso código de Nakbe," *V. Simposio de Investigaciones Arqueológicas en Guatemala, Museo Nacional de Arqueología y Ethnología, 15-18 de julio de 1991*, edited by J.P. Laport, H.L. Escobedo A., and S. Villagran de Brady, pp. 317-326, Guatemala: Ministerio de Cultura y Deportes, Instituto de Antropología e Historia, and the Asociación Tikal, 1992.

Harbottle, Garman, and Ronald L. Bishop. "Commentary on Technique," *Chemical Characterization of Ceramic Paste*, edited by Hector Neff, pp. 27-30, Monographs in World Archaeology, no. 7, Madison: Prehistory Press, 1992.

Henrickson, Robert C., and M. James Blackman. "Style and Paste: Investigating the Production of Godin III Buff Painted Ware," *Chemical Characterization of Ceramic Paste*, edited by Hector Neff, pp. 125-144, Monographs in World Archaeology, no. 7, Madison: Prehistory Press, 1992.

Hodge, M.G., Hector Neff, M. James Blackman, and L.D. Minc. "A Compositional Perspective on Ceramic Production in the Aztec Empire," *Chemical Characterization of Ceramic Paste*, edited by Hector Neff, pp. 203-220, Monographs in World Archaeology, no. 7, Madison: Prehistory Press, 1992.

Hopkins, J., L. Brenner, and Charles S. Tumosa. "Variation of the Amide I and Amide II Peak Absorbance Ratio in Human Hair as Measured by Fourier Transform Infrared Spectroscopy," *Forensic Science International*, vol. 50 (1991): 61-65.

Kingery, W. David, Pamela B. Vandiver, and T. Noy. "An 8,500-Year-Old Sculptured Plaster Head from Jericho (Israel)," *Materials Research Society (MRS) Bulletin*, vol. 17, no. 1 (January 1992): 46-52.

Klein, Elyse L., Jia-sun Tsang, and Mary T. Baker. "Non-Instrumental Techniques for the Characterization and Identification of Artists' Acrylic Paints," In *Polymer Preprints*, vol. 33, no. 2 (August 1992): 650-651. Papers presented at the 204th ACS National Meeting, Washington, DC: American Chemical Society.

Lange, Eric B., Mary T. Baker, and Ed McManus. "Implications of Cold Storage on the Nation's Collection of Space Suits," In *Polymer Preprints*, vol. 33, no. 2 (August 1992): 639-640. Papers presented at the 204th ACS National Meeting, Washington, DC: American Chemical Society.

Lauffenburger, Julie A., Carol A. Grissom, and A. Elena Charola. "Changes in Gloss of Marble Surfaces as a Result of Methylcellulose Poulticing," *Studies in Conservation*, vol. 37, no. 3 (1992): 155-164.

McCormick-Goodhart, Mark H. "An Analysis of Image Deterioration in Wet-Plate Negatives from the Mathew Brady Studios," *Journal of Imaging Science and Technology*, vol. 36, no. 3 (1992): 297-305.

McCormick-Goodhart, Mark H. "Ovonic Film," In *Micrographic Film Technology, 4th Edition*, edited by Sandra Kashdan, Silver Spring, MD: Association for Information and Image Management, 1992.

Mecklenburg, Marion F. "Some Mechanical and Physical Properties of Gilding Gesso," In *Gilded Wood Conservation and History*, edited by D. Bigelow, E. Cornu, G.J. Landrey, and C. van Horne, pp. 163-170, Madison, CT: Sound View Press, 1991.

Murray, A., R.E. Green, Marion F. Mecklenburg, and C.M. Fortunko. "NDE Applied to the Conservation of Wooden Panel Paintings," In *Nondestructive Characterization of Materials IV*, edited by C.O. Ruud, et al, pp. 73-80, New York: Plenum Press, 1991.

Myers, J. Emlen, F. de Amores Carredano, Jacqueline S. Olin, and A. Pleguezuelo Hernandez. "Compositional Identification of Seville Majolica at Overseas Sites," *Historical Archaeology*, vol. 26, no. 1 (1992): 131-146.

Olin, Jacqueline S., and J.E. Myers. "Old and New World Spanish Majolica Technology," *Materials Research Society Bulletin*, vol. 17, no. 1 (1992): 32-38.

Petraglia, M.D., R.B. Potts, and Pamela B. Vandiver. "An Upper Paleolithic 'Artist's Palette' from the Grotte de Tarte, Haute Garonne, France," *Bulletin de la Societe Prehistorique de L'Ariege*, vol. 47 (1992): 161-175.

Rothman, M.J., and M. James Blackman. "Monitoring Administrative Spheres of Action in Late Prehistoric Northern Mesopotamia with the Aid of Chemical Characterization INAA of Sealing Clays," *Economy and Settlement in the Near East: Analysis of Ancient Sites and Materials*, Supplement to vol. 7, 1990, edited by N.F. Miller, pp. 19-45, Research Papers in Science and Archaeology, Philadelphia: MASCA, University of Pennsylvania, 1992.

Sayre, Edward V., K. Aslihan Yener, Emile C. Joel, and I.L. Barnes. "Statistical Analysis of the Presently Accumulated Lead Isotope Data from the Near East," *Archaeometry*, vol. 34, no. 1 (1992): 73-105.

Schnabel, Lorraine. "Evaluation of the Barium Hydroxide-urea Consolidation Method," In *Proceedings of the 7th International Congress on Deterioration and Conservation of Stone*, Lisbon, Portugal, 1992, pp. 1063-1072.

Strahan, Donna K. "Naturally Deposited Versus Intentionally Applied Gypsum on Archaeological Materials from Harappa, Pakistan," *Journal of Field Archaeology*, vol. 18, no 4 (1991): 527-530.

Sugarman, J., and Timothy J. Vitale. "Observations on the Drying of Paper: Part 1, Examination and Application of Drying Methodologies to Treatment," *Journal of the American Institute for Conservation*, vol. 31, no. 2 (1992): 175-197.

Tsang, Jia-sun, and W. David Erhardt. "Current Research on the Effects of Solvents and Gelled and Aqueous Cleaning Systems on Oil Paint Films," *Journal of the American Institute for Conservation*, vol. 31, no. 1 (1992): 87-94.

Tumosa, Charles S., and Melanie E. Feather. "An Analytical Investigation into the Metallic Composition of the Polushka Struck from 1730-1754," *Journal of the Russian Numismatic Society*, vol. 45 (1992): 14-20.

van der Reyden, Dianne. "Recent Scientific Research in Paper Conservation," *Journal of the American Institute for Conservation*, vol. 31 (1992): 117-138.

van der Reyden, Dianne, and Donald C. Williams. "A Load to Bear: Papier-Maché Furniture, Its Conservation and Care," *Antiques Show Magazine*, vol. 10 (1992): 29-34, Richmond: Richmond Academy of Medicine.

Vandiver, Pamela B. "Corrosion and Conservation of Ancient Glass and Ceramics," In *Corrosion of Glass, Ceramics and Ceramic Superconductors*, edited by D.E. Clark and Bruce K. Zaitos, pp. 393-430, Park Ridge, NJ: Noyes Publications, 1992.

Vandiver, Pamela B. "The Origins of Ceramics: Figurine Manufacture at Dolni Vestonice, ca 26,000 B.P.," *Studio Potter*, vol. 20, no.1 (December 1991): 4-9.

Vandiver, Pamela B. "The Most Ancient Tradition of Japanese Ceramics," In *Proceedings of the International Symposium on Fine Ceramics: From Traditional to New Creative Ceramics*, 1991, Arita, Saga Prefecture, Japan, pp. 75-92.

Vandiver, Pamela B. "Preliminary Study of the Technology of Selected Seto and Mino Ceramics," In *Seto and Mino Ceramics: Japanese Collections in the Freer Gallery of Art* by L.A Cort, pp. 219-229, Honolulu: Freer Gallery of Art and University of Hawaii Press, 1992.

Vandiver, Pamela B. "Technical Studies of Ancient Chinese Ceramics," *New Perspectives on the Art of Ceramics in China*, edited by George Kuwayama, pp. 116-140, Honolulu: Los Angeles County Museum of Art and University of Hawaii Press, 1992.

Vandiver, Pamela B., and James Druzik. "Introduction to Art and Technology," *Materials Research Society Bulletin*, vol. 17, no. 1 (January 1992): 14-17.

Vandiver, Pamela B., W.A. Ellinson, T.K. Robinson, J.J. Lobick, and F.H. Sequin. "New Applications of X-Radiographic Imaging Technologies for Archaeological Ceramics," *Archaeomaterials*, vol. 5, no. 2 (Summer 1991): 185-207.

van Zelst, Lambertus, Worthy N. Martin, Carl F. Huber, Veletta Canouts, and Ronald L. Bishop. "Interactive Design Analysis: System Overview," In *Proceedings of the 12th International Symposium on the Conservation and Restoration of Cultural Property: Analysis and Examination of an Art Object by Imaging Techniques, Tokyo*, pp. 163-188, Tokyo: Tokyo National Research Institute of Cultural Properties, 1991.

von Endt, David W. "The Organic Materials of Natural History Museums," *Conservation Care Training Program - Natural History Collections Curriculum*, p. 58, Washington, DC: National Institute for Conservation, 1992.

von Endt, David W., and Mary T. Baker. "The Deterioration of Gesso in Water Gilding," *Gilded Wood Conservation and History*, edited by D. Bigelow, E. Cornu, G.J. Landrey, and C. van Horne, p. 1, Madison, CT: Sound View Press, 1991.

Yener, K. Aslihan, and Martha Goodway. "Reply to Hall and Steadman," *Journal of Mediterranean Studies*, vol. 5, no. 1 (1992): 77-90.

Yener, K. Aslihan, Edward V. Sayre, Emile C. Joel, H. Özbal, I.L. Barnes, and R.H. Brill. "Stable Lead Isotope Studies of Central Taurus Ore Sources and Related Artifacts from Eastern Mediterranean Chalcolithic and Bronze Age Sites," *Journal of Archaeological Science*, vol. 18, no. 5 (1991): 541-577.

1991

Abel-Vidor, S., C. Baudez, Ronald L. Bishop, L. Bonilla V., M. Calvo M., W. Creamer, J. Day, J.V. Guerrero, P. Healy, J. Hoopes, F.W. Lange, S. Salgado, R. Stroessner, and A. Tillet. "Principales Tipos Ceramicos y Variedades de la Gran Nicoya," *Vinculos*, vol. 13, no. 1-2 (1991): 35-327, [1987]

Alexander, Ingrid C. "Some Observations on the Use of Autoradiography in the Study of Underdrawings in American Painting," *Le Dessin Sous-jacent dans la peinture, Colloque VIII*, pp. 161-165, Louvain-la Neuve, 1991.

Arah, C.O., D.K. McNamara, H.M. Hand, Marion F. Mecklenburg, A. Dasgupta, and B.K. Hornbeck. "Structural Analysis of Adhesively Bonded Joints of Tubular Geometry," In *Preprints from the 36th International SAMPE Symposium, San Diego, 1991*, pp. 372-382.

Arnold, D.E., Hector Neff, and Ronald L. Bishop. "The Compositional Analysis of Pottery: an Ethnoarchaeological Approach," *American Anthropologist*, vol. 93 (1991): 70-90.

Aronson, Meredith, and W. David Kingery. "Patination of Ceramic Objects, Modern and Prehistoric: A Case from West Mexico," In *Materials Issues in Art and Archaeology II*, Symposium Proceedings 185, Spring Meeting, edited by Pamela B. Vandiver, James R. Druzik, and G.S. Wheeler, pp. 561-570, Pittsburgh: Materials Research Society, 1991.

Aronson, Meredith, James M. Skibo, and Miriam Stark. "Use Technologies: an Ethnoarchaeological Study of Kalinga Pottery," In *Materials Issues in Art and Archaeology II*, Symposium Proceedings 185, Spring Meeting, edited by Pamela B. Vandiver, James R. Druzik, and G.S. Wheeler, pp. 415-428, Pittsburgh: Materials Research Society, 1991.

Beaubien, Harriet F. "Chapter 11: Conservation Report, 1990 Season," In *1990 Investigations at the Cerén Site, El Salvador: A Preliminary Report*, edited by Payson D. Sheets and Brian R. McKee, pp. 148-153, Boulder: Department of Anthropology, University of Colorado, 1991.

Beaubien, Harriet F. "Chapter 15: Technical Analysis of Pigment Materials," In *1990 Investigations at the Cerén Site, El Salvador: A Preliminary Report*, edited by Payson D. Sheets and Brian R. McKee, pp. 189-191, Boulder: Department of Anthropology, University of Colorado, 1991.

Beaubien, Harriet F. "Vision general sobre los proyectos de colaboracion con Latinoamerica de los laboratorios analiticos de conservacion (CAL), Smithsonian Institution," *Apoyo*, vol. 2, no. 1 (February 1991): 2.

Bishop, Ronald L., and F.W. Lange, eds. *Anna O. Shepard: A Ceramic Legacy*, Boulder: University of Colorado Press, 1991.

Bishop, Ronald L. "Anna O. Shepard: A Correspondence Portrait," In *Anna O. Shepard: A Ceramic Legacy*, edited by Ronald L. Bishop and F.W. Lange, pp. 42-87, Boulder: University of Colorado Press, 1991.

Bishop, Ronald L. "Greek and Cypriot Pottery: A Review of Scientific Studies," edited by R.E. Jones, Reviewed in *Society for Archaeological Sciences (SAS) Bulletin*, vol. 14, no. 1 (1991): 9-10, 14-15.

Canouts, Veletta. "A Formal Approach to Design: Symmetry and Beyond," In *Anna O. Shepard: A Ceramic Legacy*, edited by Ronald L. Bishop and F.W. Lange, pp. 280-320, Boulder: University of Colorado Press, 1991.

Canouts, Veletta. *NADB-Reports Online Users Manual: Beta Version*, a technical manual, Washington, DC: Archaeological Assistance Division, Cultural Resources, National Park Service, US Department of the Interior, 1991.

Canouts, Veletta. *NADB-Reports, Version 2.01, User's Manual*, a technical manual, Washington, DC: Archaeological Assistance Division, Cultural Resources, National Park Service, US Department of the Interior, Preview Copy distributed 1989.

De Atley, S.P., and Ronald L. Bishop. "Toward an Integrated Interface for Archaeology and Archaeometry," In *Anna O. Shepard: A Ceramic Legacy*, edited by Ronald L. Bishop and F.W. Lange, pp. 358-382, Boulder: University of Colorado Press, 1991.

Erhardt, W. David. "Art in Transit: Material Considerations," In *Art in Transit: Studies in the Transport of Paintings*, edited by Marion F. Mecklenburg, pp. 25-36, Washington, DC: National Gallery of Art, 1991.

Erhardt, W. David. "Environmental Control: Pollution," In *Collections Care: A Selected Bibliography*, pp. 80-86, Washington, DC: National Institute for the Conservation of Cultural Property, 1990.

Erhardt, W. David, and Jia-sun Tsang. "The Extractable Components of Oil Paint Films," In *Cleaning, Retouching and Coatings, Preprints of the Contributions to the Brussels Congress*, pp. 93-97, London: International Institute for Conservation, September 1990.

Erhardt, W. David, David W. von Endt, and Jia-sun Tsang. "Condition, Change, and Complexity: The Media of Albert Pinkham Ryder," In *Postprints of the Paintings Group*, Richmond Conference of the American Institute for Conservation, 1990, 3: 28-26.

Gianno, Rosemary, W. David Erhardt, David W. von Endt, Walter Hopwood, and Mary T. Baker. "Archaeological Resins from Shipwrecks off the Coasts of Saipan and Thailand," In *Organic Contents of Ancient Vessels: Materials Analysis and Archaeological Investigations*, edited by William R. Biers and Patrick E. McGovern, pp. 59-67, MASCA Research Papers in Science and Archaeology 7, Philadelphia: MASCA, University of Pennsylvania, 1990.

Goodfriend, G.A., David W. von Endt, and P.E. Hare. "Rapid Racemization of Aspartic Acid in Mollusk and Ostrich Egg Shells: a New Method for Dating on a Decadal Time Scale," *Carnegie Institution of Washington Yearbook*, 1990, p. 171.

Goodway, Martha. "Archaeometallurgy: Evidence of a Paradigm Shift?" In *Materials Issues in Art and Archaeology II*, edited by Pamela B. Vandiver, James R. Druzik, and G.S. Wheeler, pp. 705-712, Symposium Proceedings 185, Spring Meeting, Pittsburgh: Materials Research Society, 1991.

Goodway, Martha. "Materials Choices for the Statue of Liberty," In *The Statue of Liberty Restoration*, edited by Robert Baboian, E. Blaine Cliver, and E. Lawrence Bellante, pp. 37-42, *Proceedings of the conference The Statue of Liberty - Today for Tomorrow, New York City, October 20-22, 1986*, Houston, TX: NACE, 1990.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 13, no. 4 (Fall 1990): 9.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 14, no. 1 (January-March 1991): 4-5.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 14, no. 2 (April-June 1991): 3, 10.

Goodway, Martha. "Ronald Tylecote," *Society for Archaeological Sciences Bulletin*, vol. 14, no. 1 (January-March 1991): 6.

Grissom, Carol A. "The Deterioration and Treatment of Volcanic Stone: A Review of the Literature," In *Lavas and Volcanic Tuffs*, edited by A. Elena Charola, pp. 103-122, Preprints of the Contributions to the International Meeting, Easter Island, Chile, 25-31 October 1990.

Hand, H.M., C.O. Arah, D.K. McNamara, and Marion F. Mecklenburg. "Effects of Environmental Exposure on Adhesively Bonded Joints," *International Journal of Adhesion and Adhesives*, vol. 11, no. 1 (1991): 15-23.

Henrickson, Robert C. "Wheelmade or Wheel-Finished? Interpretation of 'Wheelmarks' on Pottery," In *Materials Issues in Art and Archaeology II*, edited by Pamela B. Vandiver, James R. Druzik, and G.S. Wheeler, pp. 523-542, Symposium Proceedings 185, Spring Meeting, Pittsburgh: Materials Research Society, 1991.

Hobbs, Susan, Yu-Tarng Cheng, and Jacqueline S. Olin. "Thomas Wilmer Dewing: A Look Beneath the Surface," In *Smithsonian Studies in American Art*, vol. 4, no. 3/4, pp. 63-85, Oxford University Press, in association with the National Museum of American Art, 1990.

Joel, Emile C. "Lead Isotope Ratio Program: Current Lead Isotope Projects at the Smithsonian Institution," In *Memorandum of the Research Exchange between Japan Agency for Cultural Affairs and the Smithsonian Institution, 1990*, pp. 90-92, Tokyo: National Institute of Cultural Properties, 1991.

Lake, Susan, and Jia-sun Tsang. "The Conservation of 'Le Cirque' by Daniel Barinoff-Rossine," In *Postprints of the Paintings Group*, Richmond Conference of the American Institute for Conservation, 1990, 3: 41-44.

Lange, Frederick W., Ronald L. Bishop, and Peter C. Lange. "La Geología y Arqueología de la Cerámica Prehistoria de la Gran Nicoya," *Vínculos*, vol. 13, no. 1-2 (1987): 7-34, San José, Costa Rica: National Museum of Costa Rica, Department of Anthropology and History, 1987.

McCarthy, Blythe, and Pamela B. Vandiver. "Ancient High-Strength Ceramics: Faience Manufacture at Harappa (Pakistan), ca. 2300-1800 B.C.," In *Materials Issues in Art and Archaeology II*, edited by Pamela B. Vandiver, James R. Druzik, and G.S. Wheeler, pp. 495-510, Symposium Proceedings 185, Spring Meeting, Pittsburgh: Materials Research Society, 1991.

Mecklenburg, Marion F. "Applied Mechanics of Materials in Conservation Research," In *Materials Issues in Art and Archaeology II*, edited by Pamela B. Vandiver, James R. Druzik, and G.S. Wheeler, pp. 105-122, Symposium Proceedings 185, Spring Meeting, Pittsburgh: Materials Research Society, 1991.

Mecklenburg, Marion F., ed. *Art in Transit: Studies in the Transport of Paintings*, Washington, DC: National Gallery of Art, 1991.

Mecklenburg, Marion F., and Charles S. Tumosa. "An Introduction into the Mechanical Behavior of Paintings under Rapid Loading Conditions," In *Art in Transit: Studies in the Transport of Paintings*, edited by Marion F. Mecklenburg, pp. 137-172, Washington, DC: National Gallery of Art, 1991.

Mecklenburg, Marion F., and Charles S. Tumosa. "Mechanical Behavior of Paintings Subjected to Changes in Temperature and Relative Humidity," In *Art in Transit: Studies in the Transport of Paintings*, edited by Marion F. Mecklenburg, pp. 173-216, Washington, DC: National Gallery of Art, 1991.

Messier, Paul A. "An Analysis of the Effect of Water on the Cracking of Albumen Photographs," In *Topics in Photographic Preservation*, vol. 4, pp. 170-178, Washington, DC: American Institute for Conservation Photographic Materials Group, 1991.

Messier, Paul A. "Protein Chemistry of Albumen Photographs," In *Topics in Photographic Preservation*, vol. 4, pp. 124-135, Washington, DC: American Institute for Conservation Photographic Materials Group, 1991.

Murray, A., R.E. Green, Marion F. Mecklenburg, and C.M. Fortunko. "Nondestructive Evaluation of Works of Art," In *Art in Transit: Studies in the Transport of Paintings*, edited by Marion F. Mecklenburg, pp. 249-260, Washington, DC: National Gallery of Art, 1991.

Neff, Hector, Ronald L. Bishop, and Dean E. Arnold. "A Reexamination of the Compositional Affiliations of Formative Period Whiteware from Highland Guatemala," *Ancient Mesoamerica*, vol. 1 (1991): 171-180.

Neitzel, Jill E., and Ronald L. Bishop. "Neutron Activation of Dogoszhi Style Ceramics: Production and Exchange in the Chacoan Regional System," *The Kiva*, vol. 56 (1991): 67-85.

Olin, Jacqueline S. "Postscript," In *Organic Contents of Ancient Vessels: Materials Analysis and Archaeological Investigations*, edited by W.R. Biers and P.E. McGovern, pp. 77-78, MASCA Research Papers in Science and Archaeology 7, Philadelphia: University Museum of Archaeology and Anthropology, 1990.

Richard, M., Marion F. Mecklenburg, and Ross Merrill, eds. *Art in Transit: Handbook for Packing and Transporting Paintings*, Washington, DC: National Gallery of Art, 1991.

Schrenk, Janet. "Corrosion and Past 'Protective' Treatments of the Benin 'Bronzes' in the National Museum of African Art," In *Materials Issues in Art and Archaeology II*, edited by Pamela B. Vandiver, James R. Druzik, and G.S. Wheeler, pp. 805-812, Symposium Proceedings 185, Spring Meeting, Pittsburgh: Materials Research Society, 1991.

Shau, Yen-Hong, Melanie E. Feather, Eric J. Essene, and Donald R. Peacor. "Genesis and Solvus Relations of Submicroscopically Intergrown Paragonite and Phengite in a Blueschist from Northern California," *Mineralogy and Petrology*, vol. 106 (1991): 367-378.

Sheets, Payson D., Harriet F. Beaubien, Marilyn Beaudry, Andrea Gerstle, Brian McKee, C. Dan Miller, Harmut Spetzler, and David B. Tucker. "Household Archaeology at Cerén, El Salvador," *Ancient Mesoamerica*, vol. 1 (1990): 81-90.

Stathoplos, Linda, and Noreen C. Tuross. "Mineral Associated Proteins from Modern Planktonic Foraminifera," In *Proceedings of the 6th International Symposium on Biomineralization*, edited by S. Suga, pp. 17-22, 1991.

Tsang, Jia-sun, and W. David Erhardt. "The Measurement of Solvent Effects on Oil Paint Films," In *Postprints of the Paintings Group*, vol. 3, pp. 45-50, for the Richmond conference of the American Institute for Conservation, 1990.

Tsang, Jia-sun, and Roland C. Cunningham. "Some Improvements in the Study of Cross-sections," *Journal of the American Institute for Conservation*, vol. 30 (1991): 1-14.

Tumosa, Charles S. "Anatoli Leopoldovich Durov," *Journal of the Russian Numismatic Society*, vol. 38 (1990): 44-45.

Tumosa, Charles S. "A Preliminary Analysis of Some 19th and 20th Century Russian Copper Coins," *Journal of the Russian Numismatic Society*, vol. 39 (1990): 6-8.

Tuross, Noreen C. "Recovery of Bone and Serum Proteins from Human Skeletal Tissue: IgG Osteonectin and Albumin," In *Human Paleopathology: Current Synthesis and Future Options*, edited by D.J. Ortner and A.C. Aufderheide, pp. 51-55, 1991.

van der Reyden, Dianne, Christa Hofmann, and Mary T. Baker. "Comparison and Evaluation of bleaching Procedures: The Effect of Five Bleaching Methods on the Optical and Mechanical Properties of New and Aged Cotton Linter Paper, Before and After Accelerated Aging," *Book and Paper Group Annual*, vol. 10 (1991): 109-127, Washington, DC: American Institute for Conservation Book and Paper Group, 1991.

van der Reyden, Dianne, Terry Schaeffer, and Mary T. Baker. "Effect of Aging on an Aqueously Light Bleached, Mixed Pulp Paper," *Book and Paper Group Annual*, vol. 10 (1991): 205-215, Washington, DC: American Institute for Conservation Book and Paper Group, 1991.

Vandiver, Pamela B. "Preliminary Report on Shinpukuji Kaizuka," In *Memorandum of the Research Exchange between Japan Agency for Cultural Affairs and the Smithsonian Institution, 1990*, pp. 116-135, Tokyo: National Institute of Cultural Properties, 1991.

Vandiver, Pamela B. "Technological and Compositional Aspects of Jomon Pottery," In *Memorandum of the Research Exchange between Japan Agency for Cultural Affairs and the Smithsonian Institution, 1990*, pp. 9-48, Tokyo: National Institute of Cultural Properties, 1991.

Vandiver, Pamela B. "The Technology of Korean Celadons," In *The Radiance of Jade and the Clarity of Water: Korean Ceramics from the Ataka Collection*, edited by Y. Mino, pp. 151-158, Chicago: Chicago Art Institute, 1991.

Vandiver, Pamela B., James R. Druzik, and G.S. Wheeler, eds. *Materials Issues in Art and Archaeology II*, Pittsburgh: Materials Research Society, Symposium Proceedings 195, Spring Meeting, 1991.

Vandiver, Pamela B., W.A. Ellingson, T.K. Robinson, J.J. Lobick, and F.H. Sequin. "X-Radiographic Imaging Technologies for Archaeological Ceramics," *Archaeomaterials*, vol. 5, no. 2 (Summer 1991): 185-207.

Vandiver, Pamela B., Olga Soffer, B. Klima, and J. Svoboda. "Les Plus Anciennes Ceramiques du Monde," *La Recherche* 226, vol. 21 (November 1990): 1418-1419.

Vandiver, Pamela B., C.P. Swann, and D.C. Cranmer. "A Review of Mid-Second Millennium B.C. Egyptian Glass Technology at Tell el-Amarna," In *Materials Issues in Art and Archaeology II*, edited by Pamela B. Vandiver, James R. Druzik, and G.S. Wheeler, pp. 609-616, Symposium Proceedings 185, Pittsburgh: Materials Research Society, Spring Meeting, 1991.

Vetter, U., L.W. Fisher, K.P. Mintz, J.B. Kopp, Noreen C. Tuross, J.D. Termine, and P. Gehron Robey. "Osteogenesis Imperfecta: Changes in Noncollagenous Proteins in Bone," *Journal of Bone and Mineral Research*, vol. 6 (1991): 501-505.

Wachowiak Jr., Melvin J. "New Directions in the Study of Chinese Furniture," *Asian Art IV*, vol. 3 (Summer 1991): 35-52, Oxford University Press in association with the Arthur M. Sackler Gallery, 1991.

Yener, K. Aslihan, Edward V. Sayre, Emile C. Joel, H. Özbal, I.L. Barnes, and R.H. Brill. "Stable Lead Isotope Studies of Central Taurus Ore Sources and Related Artifacts from Eastern Mediterranean Chalcolithic and Bronze Age Sites," *Journal of Archaeological Science*, vol. 18 (1991): 541-577.

1990

Alexander, Ingrid C., and Jacqueline S. Olin. "Examining Albert Pinkham Ryder's Preparatory Sketch and Compositional Changes with Neutron Induced Autoradiography," In *Preprints, ICOM Committee for Conservation, 9th Triennial Meeting, Dresden, 26-31 August 1990*, pp. 3-9.

Baker, Mary T., Helen D. Burgess, Nancy E. Binnie, Michele R. Derrick, and James R. Druzik. "Laboratory Investigation of the Fumigant Vikane," In *Preprints, ICOM Committee for Conservation, 9th Triennial Meeting, Dresden, 26-31 August 1990*, pp. 804-811.

Ballard, Mary W., and N.S. Baer. "Conservation Notes: Halogenated Hydrocarbon Drycleaning Solvents," *International Journal of Museum Management and Curatorship*, vol. 8, no. 3 (1989): 336-344.

Ballard, Mary W., R.J. Koestler, C. Blair, C. Santamaria, and N. Indictor. "Study of Some Historic Silk Flags from Harrisburg," In *Historic Paper and Textiles: Conservation and Characterization II*, pp. 234-142, Washington, DC: American Chemical Society, 1989.

Ballard, Mary W., R.J. Koestler, and N. Indictor. "Recent Results Concerning the Degradation of Historic Silk Flags," In *Preprints, ICOM Committee for Conservation, 9th Triennial Meeting, Dresden, 26-31 August 1990*, vol. 1, pp. 277-282, Los Angeles: ICOM Committee for Conservation, 1990.

Beaudry, Marilyn P., Ronald L. Bishop, John S. Henderson, and Kennin L. Hirth. "Determining Ceramic Production: A View from Honduras," *BAR International Series 513* (1989): 97-115, Oxford: British Archaeological Reports, 1989.

Beaubien, Harriet F. "Chapter 13: Conservation Report on the Cerén Folio," In *1989 Archaeological Investigations at the Cerén Site, El Salvador: A Preliminary Report*, edited by Payson D. Sheets and Brian R. McKee, pp. 105-108, Boulder: Department of Anthropology, University of Colorado, 1989.

Bishop, Ronald L. "Análisis de Elementos de Vestigios de un Tiesto Policromo Estilo Maya del Periodo Clasico," In *Informe Final de la Temporada de Campi de 1988 El Sitio de Sin Cabezas, Escuintla, Guatemala*, edited by M. P. Beaudry-Corbett, (mimeograph) pp. 97-98, Guatemala: Instituto de Antropología e Historia, 1990.

Bishop, Ronald L., Veletta Canouts, Patricia L. Crown, and Suzanne P. De Atley. "Sensitivity, Precision, and Accuracy: Their Roles in Ceramic Compositional Data Bases," *American Antiquity*, vol. 55 (1990): 537-546.

Blackman, M. James. "Archaeology and Nuclear Chemistry," In *Topics in Nuclear and Radiochemistry for College Curricula and High School Science Programs*, Symposium Volume for 11th Biennial Conference on Chemical Education, pp. 85-92, 1990.

Collins, S., Mary W. Ballard, and Marion F. Mecklenburg. "Fabric Selection and Its Relationship to Dimensional Changes in Support Systems for Constrained Fabric Mounting Devices," In *Textiles on Parade: Exhibition Successes and Disasters*, pp. 10-20, Washington, DC: Harpers Ferry: Harpers Ferry Regional Textile Group, November 8-9, 1990.

D'Altroy, T.N., and Ronald L. Bishop. "Provincial Organization of Inka Ceramic Production," *American Antiquity*, vol. 55 (1990): 120-137.

Derrick, Michele R., Helen D. Burgess, Mary T. Baker, and Nancy E. Binnie. "Sulfuryl Fluoride (Vikane): A Review of Its Use as a Fumigant," *Journal of the American Institute for Conservation*, vol. 29, no. 1 (1990): 77-90.

Erhardt, W. David, and Jia-sun Tsang. "The Extractable Components of Oil Paint Films," In *Cleaning, Retouching, and Coatings, Preprints of the Brussels Conference*, pp. 93-97, London: International Institute for Conservation, 1990.

Goodway, Martha. "Etruscan Mirrors: A Reinterpretation," *MASCA Research Papers in Science and Archaeology*, vol. 6 (1989): 25-30, Philadelphia: Museum of Applied Science Center for Archaeology, University Museum, 1989.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 12, no. 4 (October-December 1989): 8-9.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Bulletin*, vol. 13, no. 2 (July-September 1989): 8-9.

Goodway, Martha. "News from Washington," *Historical Metallurgy*, vol. 23 (1989): 125-126.

Goodway, Martha. "News and Notes," *Historical Metallurgy*, vol. 24 (1990): 8-9.

Goodway, Martha, and Pamela B. Vandiver. "Metal and Frit Processing: Analysis of Ceramic Crucible Residues," Appendix II in *The Byzantine Shops at Sardis, Archaeological Exploration of Sardis, Monograph 9*, edited by J. Stephens Crawford, pp. 129-134, Cambridge: Harvard University Press, 1990.

Harbottle, Garman, and Ronald L. Bishop. "Chemical Variation within Pottery from Patarata 52, Veracruz, Mexico," In *Patarata Pottery. Classic Period Ceramics of the South-Central Gulf Coast, Veracruz, Mexico*, by B.L. Stark, Chapter 7, pp. 129-139, Arizona: University of Arizona Press, 1989.

Hare, P.E., and David W. von Endt. "Carbon-Nitrogen Ratios and the Protein Amino Acid Content of Archaeological Bone," *Carnegie Institution of Washington Yearbook*, p. 115, Washington, DC: Carnegie Institution, 1990.

Hegmon, Michelle. "Risk Reduction and Variation in Agricultural Economies: A Computer Simulation of Hopi Agriculture," *Research in Economic Anthropology*, vol. 11 (1989): 89-121, Greenwich, CT: JAI Press.

Hegmon, Michelle. "Historical and Analytical Perspectives on Architecture and Social Integration in the Prehistoric Pueblos," In *The Architecture of Social Integration in Prehistoric Pueblos*, edited by W.D. Lipe and Michelle Hegmon, pp. 15-34, Occasional Papers, Cortez, CO: Crow Canyon Archaeological Center, 1989.

Hegmon, Michelle. "Social Integration and Architecture," In *The Architecture of Social Integration in Prehistoric Pueblos*, edited by W.D. Lipe and Michelle Hegmon, pp. 5-14, Occasional Papers, Cortez, CO: Crow Canyon Archaeological Center, 1989.

Hegmon, Michelle. "The Styles of Integration: Ceramic Style and Pueblo I Integrative Architecture in Southwestern Colorado," In *The Architecture of Social Integration in Prehistoric Pueblos*, edited by W.D. Lipe and Michelle Hegmon, pp. 125-142, Occasional Papers, Cortez, CO: Crow Canyon Archaeological Center, 1989.

Hegmon, Michelle, and William D. Lipe, eds. *The Architecture of Social Integration in Prehistoric Pueblos*, Occasional Papers, Cortez, CO: Crow Canyon Archaeological Center, 1989.

Henrickson, Robert C. "The Buff and the Grey: Ceramic Assemblages and Cultural Process in the Third Millennium BC Central Zagros, Iran," In *Cross-Craft and Cross-Cultural Interaction in Ceramics, Ceramics and Civilization IV*, edited by M.R. Notis and P.E. McGovern, pp. 81-146, Westerville, OH: American Ceramic Society, 1989.

Kreidl, N.J., D.R. Uhlmann, and Pamela B. Vandiver. "Contributions to Glass: From Tableware to Lightpipes," In *The Changing Roles of Ceramics Society, Ceramics and Civilization V*, edited by W. David Kingery, pp. 257-278, Westerville, OH: American Ceramic Society, 1990.

Lim Chong Quek, M. Razak, and Mary W. Ballard. "Pest Control for Temperate vs. Tropical Museums: North America vs. Southeast Asia," *Preprints, ICOM Committee for Conservation, 9th Triennial Meeting, Dresden, August 26-31, 1990*, pp. 817-820.

McCormick-Goodhart, Mark H. "The Multilayer Structure of Tintypes," *Preprints, ICOM Committee for Conservation, 9th Triennial Meeting, Dresden, August 26-31, 1990*, pp. 262-267.

Mecklenburg, Marion F., C.O. Arah, D. McNamara, H. Hand, and J.A. Joyce. "Adhesive Fracture Testing," *Fracture Mechanics: Twenty-First Symposium, ASTM STP 1074*, edited by J.P. Gudas, J.A. Joyce, and E.M. Hackett, pp. 307-321, Philadelphia: American Society for Testing and Materials, 1990.

Neff, Hector. "Culture Contact and Ceramic Evolution: Examples from Mesoamerica," In *The Changing Roles of Ceramics in Society, Ceramics and Civilization V*, edited by W. David Kingery, pp. 159-182, Westerville, OH: American Ceramic Society, 1990.

Tsang, Jia-sun, Nancie Ravenal, Johanna Bernstein, and J. Scott Odell. "The Conservation of the 100,000th Steinway Piano," In *Cleaning, Retouching and Coatings, Preprints of the Brussels Conference*, pp. 52-55, London: International Institute of Conservation, 1990.

Tumosa, Charles S. "The Use of Lectins in Forensic Science," *Forensic Science Review*, vol. 1 (1989): 68-84.

van der Reyden, Dianne, Mary T. Baker, and Nancie Ravenal. "Analysis and Characterization of Some Paper Coatings by FTIR-Microspectroscopy," *Book and Paper Group Annual*, vol. 8, pp. 1-12, Washington, DC: American Institute for Conservation Book and Paper Group, 1989.

van der Reyden, Dianne, and Helen Burgess. "Bleaching," Paper Conservation Catalog, Sixth Edition, pp. 1-37, Washington, DC: American Institute for Conservation Book and Paper Group, 1989.

Vandiver, Pamela B. "The Technology of Korean Celadon Glazes, 10th-16th Centuries," In *International Symposium on Ancient Ceramics*, pp. 165-171, Shanghai: Research Society of Science and Technology of Ancient Ceramics, Shanghai Institute of Ceramics, Academia Sinica, November 1-5, 1989.

Vandiver, Pamela B. "The Forming of Neolithic Ceramics in West Asia and Northern China," In *International Symposium on Ancient Ceramics*, pp. 8-14, Shanghai: Research Society of Science and Technology of Ancient Ceramics, Shanghai Institute of Ceramics, Academia Sinica, November 1-5, 1989.

Vandiver, Pamela B. "Ancient Glazes," *Scientific American*, vol. 262, no. 4 (April 1990): 106-113.

Vandiver, Pamela B. "Review of a Conference and Proceedings Volume: International Symposium on Ancient Ceramics, Shanghai, November 1989," *Archaeomaterials*, vol. 4, no. 2 (1989): 203-204.

Vandiver, Pamela B. "An Investigation of Some Soft Stone Technologies of the Upper Paleolithic in Eurasia: Ceramics and Pigments," In *Chronostratigraphy of the Paleolithic in North, Central, East Asia and America*, pp. 244-248, Novosibirsk: Institute of History, Philosophy, Siberian Branch, USSR Academy of Sciences, 1990.

Vandiver, Pamela B., Olga Soffer, B. Klima, and J. Svoboda. "The Origins of Ceramic Technology at Dolni Vestonice, Czechoslovakia," *Science*, vol. 246 (November 24, 1989): 1002-1008.

Vandiver, Pamela B., Olga Soffer, B. Klima, and J. Svoboda. "Venuses and Wolverines: The Origins of Ceramic Technology at Dolni Vestonice, Czechoslovakia, ca. 26,000 B.P.," In *Ceramics and Civilization V*, edited by W. David Kingery, pp. 13-82, Westerville, OH: American Ceramic Society, 1990.

Vidale, Massimo. "Stoneware Industry of the Indus Civilization: An Evolutionary Deadend in the History of Ceramic Technology," In *Ceramics and Civilization V*, edited by W. David Kingery, pp. 231-256, Westerville, OH: American Ceramic Society, 1990.

von Endt, David W. "The Stability of Bone in the Ground - A Bibliography," *Natural History Conservation*, vol. 11 (October 1990).

von Endt, David W., and C.A. Hawks. "Mercury in Bioscience Collections - An Annotated Bibliography," *Natural History Conservation*, vol. 4 (June 1990).

Williams, Donald C. *The Problem with Furniture Polishes*, Brochure for general distribution, Washington, DC: Conservation Analytical Laboratory, 1990.

Yener, K. Aslihan. "Arkeometri Projesi: Camardi 1988 Calismalari," *V. Arkeometri Sonuclari Toplantisim* 1-12, Antalya, May 18-23, Ankara: General Directorate of Antiquities and Museums, 1989.

1989

Arah, C.O., D.K. McNamara, H.M. Hand, and Marion F. Mecklenburg. "The Correlation Between Adhesive Stress Relaxation and Joint Performance," In *Tomorrow's Materials Today*, p. 1434, Science of Advanced Materials and Process Engineering Series 34, Society for the Advancement of Materials and Process Engineering, 1989.

Arah, C.O., D.K. McNamara, H.M. Hand, and Marion F. Mecklenburg. "The Correlation Between Adhesive Stress Relaxation and Joint Performance," *SAMPE Journal*, vol. 25, no. 4 (1989): 11-14.

Arah, C.O., D.K. McNamara, H.M. Hand, and Marion F. Mecklenburg. "Techniques for Scanning Adhesives for Structural Applications," *Journal of Adhesion Science and Technology*, vol. 3, no. 4 (1989): 261.

Baker, Mary T., Dianne van der Reyden, and Nancie Ravenal. "Analysis and Characterization of Some Paper Coatings by FTIR-Microspectroscopy," *Abstracts of Papers Presented at the Seventeenth Annual Meeting*, Cincinnati, May 31-June 4, 1989, p. 54, Washington, DC: American Institute for Conservation, 1989.

Ballard, Mary W., R.J. Koestler, C. Blair, C. Santamaria, and N. Indictor. "Historic Silk Flags from Harrisburg," *Historic Paper and Textiles: Conservation and Characterization II*, Washington, DC: American Chemical Society, 1989.

Ballard, Mary W., and Virginia Pledger. "Mannequins: A Re-examination," *Abstracts of Papers Presented at the Seventeenth Annual Meeting*, Cincinnati, May 31-June 4, 1989, p. 29, Washington, DC: American Institute for Conservation, 1989.

Bishop, Ronald L., and Hector Neff. "Compositional Data Analysis in Archaeology," In *Archaeological Chemistry IV*, edited by Ralph O. Allen, pp. 57-86. Advances in Chemistry Series 220, Washington, DC: American Chemical Society, 1989.

Bishop, Ronald L. "Multivariate Analysis of Compositional Data in Archaeology," In *Archaeological Chemistry IV*, edited by Ralph O. Allen, pp. 576-586. Advances in Chemistry Series 220, Washington, DC: American Chemical Society, 1989.

Bishop, Ronald, L., A. Demarest, and R.J. Sharer. "Chemical Analysis and the Interpretation of Late Preclassic Intersite Ceramic Patterns in the Southeast Highlands of Mesoamerica," In *New Frontiers in the Archaeology of the Pacific Coast of Southern Mesoamerica*, edited by F. Bove and Lynette Heller, pp. 135-146. Arizona State University Anthropological Research Papers, No. 39, 1989.

Bishop, Ronald L., Veletta Canouts, S. De Atley, A. Qoyawayma, and C.W. Aikins. "The Formation of Ceramic Analytical Groups: Hopi Pottery Production and Exchange, A.D. 1300-1600," *Journal of Field Archaeology*, vol. 15 (1988): 317-338.

Blackman, M. James, Sophie Mery, and Rita Wright. "Production and Exchange of Ceramics on the Oman Peninsula from the Perspective of Hili," *Journal of Field Archaeology*, vol. 16, no. 1 (1989): 61-78.

Brostoff Malikayil, Lynn, and Timothy J. Vitale. "A Study into the Effects of Solvents on Paper," *Abstracts of Papers Presented at the Seventeenth Annual Meeting*, Cincinnati, May 31-June 4, 1989, p. 57, Washington, DC: American Institute for Conservation, 1989.

Erhardt, W. David, and Jia-sun Tsang. "Oil Painting: History vs. Technology," *Abstracts of Papers Presented at the Seventeenth Annual Meeting*, Cincinnati, May 31-June 4, 1989, p. 57, Washington, DC: American Institute for Conservation, 1989.

Erhardt, W. David. "Relationship of Reaction Rates to Temperature," *Abbey Newsletter*, vol. 13, no. 3 (1989): 38-39.

Erhardt, W. David. "Paper Degradation: A Comparison of Industrial and Archival Concerns," In *TAPPI Proceedings: 1988 TAPPI Preservation Symposium*, pp. 83-91, Atlanta: TAPPI Press, 1988.

Goodway, Martha, and Robert M. Fisher. "Phosphorus in Low Carbon iron: Its Beneficial Properties," *Historical Metallurgy*, vol. 22 (1988): 21-23.

Goodway, Martha. "History of Casting," *Metals Handbook*, 9th Edition, Casting, vol. 15, pp. 15-23, Metals Park, OH: ASM International, 1989.

Goodway, Martha. "Materials Choices for the Statue of Liberty," *ASM News*, vol. 20, no. 6 (1989): 6.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 11, no. 2 (1988): 5-6.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 11, no. 3 (1988): 6-7.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 12, no. 1 (1989): 6-7.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol.12, no. 2 (1989): 9.

Joel, Emile C., Jacqueline S. Olin, M. James Blackman, and I.L. Barnes. "Lead Isotope Studies of Spanish, Spanish-Colonial and Mexican Majolica," In *Proceedings of the 26th International Archaeometry Symposium, May 16-20, 1988*, edited by R.M. Farquhar, R.G.V. Hancock, and L.A. Pavlish, pp. 188-195, Toronto: University of Toronto.

Knutson, T., and Mary W. Ballard. "Dyeing Polyester: Disperse Dyes for Textile Conservation Work," In *20th Century Materials, Testing and Textile Conservation*, Ninth Symposium, November 1988, pp. 57-74, Harpers Ferry, WV: Harpers Ferry Regional Textile Group.

Kreidl, N.J., D.R. Uhlmann, and Pamela B. Vandiver. "Contributions to Glass: From Tableware to Lightpipes," In *Ceramics and Civilization V*, edited by W. David Kingery, pp. 257-278, Westerville, OH: American Ceramic Society, 1989.

Mathisen, Susan. *The Effects of Moth Resistance Agents on the Lightfastness of Natural Dyes*, 78 pp., M.A. thesis, New York, NY: Fashion Institute of Technology, 1989.

McCormick-Goodhart, Mark. "Research on Collodian Glass Plate Negatives: Coating Thickness and FTIR Identification of Varnishes," In *Topics in Photographic Preservation*, compiled by Robin E. Siegel, vol. 3, pp. 135-150. Postprints from the Winter meeting in Kansas City, March 3-4, 1989, Washington, DC: American Institute for Conservation Photographic Materials Group, 1989.

McNamara, D.K., C.O. Arah, H.M. Hand, and Marion F. Mecklenburg. "Fracture Toughness Testing of High-Performance Adhesives," In *Proceedings of the 1988 ASME Winter Annual Meeting, MD*, vol. 6, pp. 111-116, Chicago: ASME, November 1988.

Mecklenburg, Marion F., J.A. Joyce, and P. Albrecht. "Separation of Energies in Elastic-Plastic Fracture," In *Elastic-Plastic Fracture, Volume II: Non-Linear Fracture Mechanics*, ASTM STP 995, edited by J.D. Landes, A. Saxena, and J.G. Merkle, pp. 594-612, Philadelphia: American Society for Testing and Materials, 1989.

Myers, Emlen. "Review of Artifacts of the Spanish Colonies of Florida and the Caribbean 1500-1800, Volume 1: Ceramics, Glassware and Beads by Kathleen Deagan," *American Anthropologist*, vol. 90, no. 3 (1988): 697.

Myers, Emlen. "Ceramic Technologies of Medieval Northern Morocco," In *Medieval Archaeology*, edited by Charles Redman, pp. 75-95, Binghamton, NY: Medieval and Renaissance Text Service, 1988.

Neff, Hector. "Origins of Plumbate Pottery Production," In *Ancient Trade and Tribute: Economies of the Soconusco Region of Mesoamerica*, edited by B. Voorhies, pp. 175-193, Provo: University of Utah Press, 1989.

Neff, Hector. "The Effect of Interregional Distribution on Plumbate Pottery Production," In *Ancient Trade and Tribute: Economies of the Soconusco Region of Mesoamerica*, edited by B. Voorhies, pp. 249-267, Provo: University of Utah Press, 1989.

Neff, Hector, Ronald L. Bishop, and G. Harbottle. "Stylistic and Chemical Variability in Plumbate Pottery: An Interim Report," In *New Frontiers in the Archaeology of the Pacific Coast of Southern Mesoamerica*, edited by F.J. Bove and Lynette Heller, vol. 11, pp. 209-219, Arizona State University Anthropological Research Papers 39, 1989.

Neff, Hector, Ronald L. Bishop, and Edward V. Sayre. "More Observations on the Problems of Tempering in Compositional Studies of Archaeological Ceramics," *Journal of Archaeological Science*, vol. 16 (1989): 57-69.

Neff, Hector, Ronald L. Bishop, and D.E. Arnold. "Reconstructing Ceramic Production from Ceramic Compositional Data: An Example from Guatemala," *Journal of Field Archaeology*, vol. 15 (1988): 339-348.

Neff, Hector, Ronald L. Bishop, and F.J. Bove. "Compositional Patterning in Ceramics from Pacific Coastal and highland Guatemala," *Archaeomaterials*, vol. 3 (1989): 97-109.

Olin, Jacqueline S., and M. James Blackman. "Compositional Classification of Mexican Majolica Ceramics of the Spanish Colonial Period," In *Archaeological Ceramics IV*, edited by R. Allen, pp. 87-112, Washington, DC: American Chemical Society, 1989.

Olin, Jacqueline S., and M. James Blackman. "Laboratory Profile, Conservation Analytical Laboratory, Smithsonian Institution," *Society for Archaeological Sciences Bulletin*, vol. 12, no. 3 (1989): 8-10.

Tsang, Jia-Sun, and Roland H. Cunningham. "Some Improvements in the Study of Cross-Sections," *Abstracts of Papers Presented at the Seventeenth Annual Meeting*, Cincinnati, May 31-June 4, 1989, p. 20-21, Washington, DC: American Institute for Conservation, 1989.

Tuross, Noreen C. "Albumin Preservation in the Taima-taima Mastodon Skeleton," *Applied Geochemistry*, vol. 4 (1989): 225-259.

Tuross, Noreen C., A.K. Behrensmeyer, E.D. Eanes, L.W. Fisher, and P.E. Hare. "Molecular Preservation and Crystallographic Alterations in a Weathering Sequence of Wildebeest Bones," *Applied Geochemistry*, vol. 4 (1989): 261-270.

van der Reyden, Dianne. "Technology and Treatment of a Nineteenth Century Time Globe," In *New Directions in Paper Conservation*, part 3, edited by Nicholas Pickwood. *Paper Conservator*, vol. 12 (1988): 21-20. Papers from the 10th Anniversary Conference, Oxford, 14-18 April 1986, Leigh, Worcestershire, UK: The Institute of Paper Conservation, 1988.

van der Reyden, Dianne, Marion F. Mecklenburg, Mary T. Baker, and Michele Hamill. "Update on Current Research into Aqueous Light Bleaching at the Conservation Analytical Laboratory," In *The Book and Paper Group Annual*, vol. 7 (December 1988): 73-106, Washington, DC: American Institute for Conservation Book and Paper Group.

Vitale, Timothy J. "Observations on the Theory, Use, and Fabrication of the Fritted Glass Bead Small Suction Disk Device," In *New Directions in Paper Conservation*, part 3, edited by Nicholas Pickwood. *Paper Conservator*, vol. 12 (1988): 47-67. Papers from the 10th Anniversary Conference, Oxford, 14-18 April 1986, Leigh, Worcestershire, UK: The Institute of Paper Conservation, 1988.

Vitale, Timothy J., and Jane Sugarman. "Observations on the Drying of Paper and Their Applications to Treatment," *Abstracts of Papers Presented at the Seventeenth Annual Meeting*, American Institute for Conservation, Cincinnati, May 31-June 4, 1989, p. 61.

Winter, John, and Emile C. Joel. "'Lead White' in Japanese Paintings. II. Measurements of Lead Isotope Ratios," *Kobunkazai no Kagaku*, vol. 33 (1988): 33-44.

Yener, K. Aslihan, Hadi Orzbal, Ergun Kaptan, A. Necip Pehlivan, and Martha Goodway. "Kestel: An Early Bronze Age Source of Tin Ore in the Taurus Mountains, Turkey," *Science*, vol. 244 (1989): 200-203.

1988

Alexander, Ingrid C., and Antonietta Gallone Galassi. "A Study of Piero della Francesca's *Sacra Conversazione* and Its Relationship to Flemish Painting Techniques," In *Preprints of the Eighth Triennial Meeting of the ICOM Committee for Conservation*, Sydney, Australia (September 1987): 9-12.

Baker, Mary T., David W. von Endt, and Jacqueline S. Olin. "Use of FTIR-microspectroscopy in Examination of Artistic and Historic Works," In *Materials Issues in Art and Archaeology*, edited by Edward V. Sayre, Pamela B. Vandiver, James R. Druzik, and C. Stevenson, pp. 71-76, Materials Research Society Symposium Proceedings 123, Pittsburgh: Materials Research Society, 1988.

Baker, Mary T., David W. von Endt, Walter R. Hopwood, and W. David Erhardt. "FTIR-microspectrometry: A Powerful Conservation Analysis Tool," In *Preprints of the Sixteenth Annual Meeting of the American Institute for Conservation*, New Orleans, 1988, p. 1.

Ballard, Mary W. "The Removal of Crosslinked Synthetic Latex from Carpets: Preliminary Results," In *Preprints of the ICOM Committee for Conservation, Eighth Triennial Meeting*, Sydney, Australia, 1987, pp. 331-338.

Barnes, I.L., W.T. Chase, L.L. Holmes, Emile C. Joel, P. Meyers, and Edward V. Sayre. "The Technical Examination, Lead Isotope Determination and Elemental Analysis of Some Shang and Zhou Dynasty Bronze Vessels," In *Beginning of the Use of Metals and Alloys*, edited by Robert Maddin, pp. 296-306, Cambridge: MIT Press, 1988.

Beaudry, Marilyn P. "Comments on Frontier Interaction," In *Interaction on the Southeast Mesoamerican Frontier: Prehistoric and Historic Honduras and El Salvador*, edited by Eugenia Robinson, 2: 446-454, Oxford: British Archaeological Reports, 1987.

Beaudry, Marilyn P. "Interregional exchange, social status, and painted ceramics: The Copan Valley case," In *Interaction on the Southeast Mesoamerican Frontier: Prehistoric and Historic Honduras and El Salvador*, edited by Eugenia Robinson, 2: 227-24, Oxford: British Archaeological Reports, 1987.

Beaudry, Marilyn P. "Southeast Maya polychrome pottery: production, distribution and style," In *Maya Ceramics*, edited by Prudence Rice and Robert Sharer, pp. 503-523. Papers from the 1985 Maya Ceramic Conference, Oxford: British Archaeological Reports, 1987.

Beaudry, Marilyn P., J. Mark Kenoyer, and Rita P. Wright. "Traditional Potters of India: Ethnoarchaeological Observations in America," *Expedition*, vol. 29, no. 3 (1987): 55-63.

Bishop, Ronald L., Frederick W. Lange, and P.C. Lange. "Ceramic Paste Compositional Patterns in Greater Nicoya Pottery," In *Costa Rican Art and Archaeology*, edited by F.W. Lange, pp. 11-44, Boulder: University of Colorado, 1988.

Bishop, Ronald L. "Ceramic paste compositional chemistry: initial observations of variation in the Tucson Basin," Appendix E in *The Archaeology of the San Xavier Bridge Site (AZ BB:13:14) Tucson Basin, Southern Arizona*, edited by J.C. Ravesloot, pp. 395-408. Archaeological Series 171, Cultural Resource Management Division, Arizona State Museum, University of Arizona, 1988.

Blackman, M. James. "Ceramic Technology and Problems of Social Evolution in Southwestern Iran," In *Materials Issues in Art and Archaeology*, edited by Edward V. Sayre, Pamela B. Vandiver, James R. Druzik and C. Stevenson, pp. 103-108, Materials Research Society Symposium Proceedings 123, Pittsburgh: Materials Research Society, 1988.

Boulton, Ann. "Some Considerations in the Treatment of Archaeological Plasters from 'Ain Ghazal, Jordan," *Preprints of the Sixteenth Annual Meeting of the American Institute for Conservation*, New Orleans, 1988, pp. 38-57.

Brill, R.H., I.L. Barnes, S.S.C. Tong, Emile C. Joel and M.J. Murtagh. "Laboratory Studies of Some European Artifacts Excavated on San Salvador Island," In *First San Salvador Conference - Columbus and His World*, compiled by D.T. Gerace, Bahamian Field Station: College Center of the Finger Lakes, 1987.

Canouts, Veletta, and Juan Vicente Guerrero. "Vallejo and Jicote Ceramic Codes: The Case for Stylistic Analogy in the late Polychrome Period," In *Costa Rican Art and Archaeology*, edited by F.W. Lange, pp. 213-260, Boulder: University of Colorado, 1988.

Cheng, Yu-Tarng, and J. Mishara. "A Computerized Axial Tomographic Study of Museum Objects," In *Materials Issues in Art and Archaeology*, edited by Edward V. Sayre, Pamela B. Vandiver, James R. Druzik and C. Stevenson, pp. 19-24, Materials Research Society Symposium Proceedings 123, Pittsburgh: Materials Research Society, 1988.

Crown, Patricia L., and Ronald L. Bishop. "The Manufacture of the Salado Polychromes," *Pottery Southwest*, vol. 14, no. 4 (1988): 1-4.

Ellingson, W.A., Pamela B. Vandiver, T.K. Robinson, and J.J. Lobick. "Radiographic Imaging Technologies for Archaeological Ceramics," In *Materials Issues in Art and Archaeology*, edited by Edward V. Sayre, Pamela B. Vandiver, James R. Druzik and C. Stevenson, pp. 25-32, Materials Research Society Symposium Proceedings 123, Pittsburgh: Materials Research Society, 1988.

Erhardt, W. David, Walter R. Hopwood, Mary T. Baker, and David W. von Endt. "A Systematic Approach to the Instrumental Analysis of Historic Finishes," *Preprints of the Sixteenth Annual Meeting of the American Institute for Conservation*, New Orleans, p. 67, 1988.

Gianno, Rosemary. "Review of *Economics as Culture: Models and Metaphors of Livelihood*, by Stephen Gudeman," *American Anthropologist*, vol. 89, no. 4 (1987): 951-952.

Goodway, Martha, and J. Scott Odell. "The Metallurgy of 17th- and 18th-Century Music Wire," *Vol. 2: The Historical Harpsichord*, edited by Howard Schott, New York: Stuyvesant, 1987.

Goodway, Martha, and Harold C. Conklin. "Quenched High-Tin Bronzes from the Philippines," *Archaeomaterials*, vol. 2 (1987): 1-27.

Goodway, Martha. "Archaeometallurgy: Quenched High-Tin Bronze Gong Making - Part I," *Journal of Metals*, vol. 4, no. 3 (1988): 36-37.

Goodway, Martha. "Archaeometallurgy: Quenched High-Tin Bronze Gong Making - Part II," *Journal of Metals*, vol. 4, no. 4 (1988): 62-63.

Goodway, Martha. "More on Wooden Smelting Furnaces," *Journal of Field Archaeology*, vol. 14 (1987): 383.

Goodway, Martha. "News from Washington DC," *Historical Metallurgy*, vol. 21 (1987): 112-113.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 10, no. 4 (1987): 7.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 11, no. 1 (1988): 3.

Grissom, Carol A., T. Power, and S. West. "Methyl cellulose poultice cleaning of a large marble sculpture," In *Proceedings of the Sixth International Congress on Deterioration and Conservation of Stone*, Torun, Poland, 1988, pp. 551-562.

Hobbs, Susan. "Detroit and Its Development in the Arts, 1824-1924," In *Artists of Michigan*, publication of the Nineteenth Century Muskegon Museum of Art/Detroit Historical Museum, for a statewide traveling exhibition, November 1987 through Spring 1988.

Hobbs, Susan. "Elizabeth Platt Jencks by Thomas W. Dewing," *Triptych*, San Francisco: deYoung Memorial Gallery, April-May 1988.

Kingery, W. David, Pamela B. Vandiver, and M. Prickett. "The Beginnings of Pyrotechnology, Part II: Production and Use of Lime and Gypsum Plaster in the Pre-Pottery Neolithic Near East," *Journal of Field Archaeology*, vol. 15, no. 2 (Summer 1988): 219-244.

Kingery, W. David. "A Role for Ceramic Materials Science in Art, History and Archaeology," In *Materials Issues in Art and Archaeology*, edited by Edward V. Sayre, Pamela B. Vandiver, James R. Druzik and C. Stevenson, pp. 159-170, Materials Research Society Symposium Proceedings 123, Pittsburgh: Materials Research Society, 1988.

Lange, F.W., and Ronald L. Bishop. "Abstraction and Jade Exchange in Precolumbian Southern Mesoamerica and Lower Central America," In *Costa Rican Art and Archaeology*, edited by F.W. Lange, pp. 65-88, Boulder: University of Colorado, 1987.

Mayer, D.D., and Pamela B. Vandiver. "Red Chalk: Historical and Technical Perspectives, Part II, A Technical Study," In *Drawings Defined*, edited by Walter Strauss, pp. 171-180, New York: Abaris Books, 1988.

Mecklenburg, Marion F. "The Effects of Atmospheric Moisture on Mechanical Properties of Collagen under Equilibrium Conditions," *Preprints of the Sixteenth Annual Meeting of the American Institute for Conservation*, New Orleans, 1988, pp. 231-244.

Neff, Hector, and Ronald L. Bishop. "Plumbate Origins and Development." *American Antiquity*, vol. 53, no. 3 (1988): 505-522.

Neff, Hector, Ronald L. Bishop, and Edward V. Sayre. "A simulation approach to the problem of tempering in compositional studies of archaeological ceramics," *Journal of Archaeological Science*, vol. 15 (1988): 159-172.

Olin, Jacqueline S., David W. von Endt, Yu-Tarng Cheng, and M. Ligeza. "An Examination of Neutron Induced Autoradiography and Gamma Spectroscopy for the Study of Paintings," In *Materials Issues in Art and Archaeology*, edited by Edward V. Sayre, Pamela B. Vandiver, James R. Druzik and C. Stevenson, pp. 33-40, Materials Research Society Symposium Proceedings 123, Pittsburgh: Materials Research Society, 1988.

Rogers, Sylvia, with Timothy J. Vitale, et al, as contributors. "Sizing/Resizing," *Paper Conservation Catalog*, 5th Edition, Outline 17, 33 pp., Washington, DC: American Institute for Conservation Book and Paper Group, June 1988.

Sayre, Edward V. "Application of Compositional Analysis to the Study of the Materials of Art and Archaeology," In *Materials Issues in Art and Archaeology*, edited by Edward V. Sayre, Pamela B. Vandiver, James R. Druzik and C. Stevenson, pp. 41-52, Materials Research Society Symposium Proceedings 123, Pittsburgh: Materials Research Society, 1988.

Strahan, Donna K., and Ann Boulton. "Chinese ceramic quadrupeds: conservation and restoration," In *Conservation of Far Eastern Art*, Preprints, Twelfth International Congress, Kyoto, 1988, edited by Kazuo Yamasaki, John S. Mills, and Perry Smith, pp. 149-154, London: International Institute for Conservation, 1988.

van der Reyden, Dianne, Timothy J. Vitale, et al., eds. *Paper Conservation Catalog*, 5th Edition, Washington, DC: American Institute for Conservation Book and Paper Group, 1988.

van der Reyden, Dianne. "Technology and Treatment of a Folding Screen: Comparison of Oriental and Western Techniques," In *Conservation of Far Eastern Art*, Preprints, Twelfth International Congress, Kyoto, 1988, edited by Kazuo Yamasaki, John S. Mills, and Perry Smith, pp. 64-68, London: International Institute for Conservation, 1988.

van der Reyden, Dianne, M. Mecklenburg, et al. "Update on Current Research into Aqueous Light Bleaching at the Conservation Analytical Laboratory," *The Annual*, vol. 7, pp. 73-106, Washington, DC: American Institute for Conservation Book and Paper Group, 1988.

Vandiver, Pamela B. "The Implications of Variation in Ceramic Technology: The Forming of Neolithic Storage Jars in China and the Near East," *Archaeomaterials*, vol. 2, no. 2 (1988): 139-174.

Vandiver, Pamela B. "Reconstructing and Interpreting the Technologies of Ancient Ceramics," In *Materials Issues in Art and Archaeology*, edited by Edward V. Sayre, Pamela B. Vandiver, James R. Druzik and C. Stevenson, pp. 89-102, Materials Research Society Symposium Proceedings 123, Pittsburgh: Materials Research Society, 1988.

Vandiver, Pamela B. "Sequential Slab Construction: A Conservative Southwest Asiatic Ceramic Tradition, ca. 7000-3000 AD," *Paleorient*, vol. 13, no. 2 (1987): 9-35.

Vandiver, Pamela B., L.A. Cort, and C. Handwerker. "Variations in the Practice of Ceramic Technology in Different Cultures: Comparison of Korean and Chinese Celadon Glazes," In *Ceramics and Civilization IV*, edited by M. Notis and P.E. McGovern, pp. 125-175, Westerville, OH: American Ceramic Society, 1988.

van Zelst, Lambertus, David W. von Endt, and Mary T. Baker. "Non-destructive and Micro-sample FTIR Spectrometric Analysis of Organic Materials in Art Objects," *Second International Conference on Non-Destructive Testing and Conservation of Works of Art*, Perugia, Italy, 1988, pp. I/30.1-I/30.17.

Vidale, Massimo. "Indo, Civiltà'dell," "Harappa," "Lothal," "Atranjikhhera," "Bhimbetka," In *Enciclopedia dell'Arte Antica*, edited by A. Pugliese Carratelli, updating contribution.

Vitale, Timothy J., et al, as contributors. "Consolidation/Fixing/Facing," *Paper Conservation Catalog*, 5th Edition, Outline 23, 20 pp., Washington, DC: American Institute for Conservation Book and Paper Group, June 1988.

von Endt, David W., and Mary T. Baker. "The Fourier-Transform Infrared Analysis of Coatings," *Postprints of the Wooden Artifacts Specialty Group, Fifteenth Annual Meeting of the American Institute for Conservation*, Vancouver, 1987, Washington, DC: American Institute for Conservation.

Williams, Marc A. "Keeping It All Together: The Preservation and Care of Historic Furniture," *Antique Review*, Worthington, OH, 1988.

1987

Ballard, Mary W. "The Removal of Crosslinked Synthetic Latex from Carpets: Preliminary Results," In *Preprints, ICOM Committee for Conservation*, 1987, pp. 331-338.

Ballard, Mary W. "Textile Conservation Laboratory, Conservation Analytical Laboratory," *Textile Conservation Newsletter* (Spring 1987): 22-23.

Ballard, Mary W., and N.S. Baer. "Conservation Notes: Is Fumigation Possible?" *The International Journal of Museum Management and Curatorship*, vol. 6 (1987): 83-86.

Ballard, Mary W., R.J. Koestler, C. Blair, and N. Indictor. "Historic Silk Flags Studied by Scanning Electron Microscopy - Energy Dispersive X-Ray Spectroscopy," In *Eighth Symposium on Archaeological Chemistry*, Chapter 24, Washington, DC: American Chemical Society, 1987.

Bishop, Ronald L. "Appendix 3: Preliminary compositional characterization of pottery and jade samples," In *Archaeological Investigations in the Northern Maya Highlands, Guatemala*, edited by Robert J. Sharer and David W. Sedat, pp. 480-487, University Museum Monograph 59, Philadelphia: University Museum, 1987.

Bishop, Ronald L. "Ceramic paste compositional chemistry: initial observations of variation in the Tucson Basin," In *Archaeology of the San Xavier Bridge Site: AZ BB13-14, Tucson Basin, Southern Arizona*, edited by John Ravesloot, pp. 370-390, Arizona State Museum Series 171, 1987.

Bishop, Ronald L., Marilyn P. Beaudry, Robert M. Leventhal, and R.J. Sharer. "Compositional analysis of Copadore and related pottery in the Southeast Maya area," In *The Southeast Maya Periphery*, edited by Patricia A. Urban and Edward M. Schortman, pp. 143-167, Austin: University of Texas Press, 1986.

Cheng, Yu-Tarng, and M. Ganoczy. "Application of Neutron Radiography and Activation Analysis to the Study of Ancient Bronzes," In *Preprints, Poster Session Abstracts, 15th Annual Meeting, Vancouver, 1987*, p. 233, Washington, DC: American Institute for Conservation, 1987.

Cheng, Yu-Tarng, and Jacqueline S. Olin. "Neutron Activation Autoradiography Study of Paintings," *NBS Technical Note 1231*, pp. 59-66, Washington, DC: National Bureau of Standards, 1986.

Ehrehreich, Robert M., and Donna K. Strahan. "The Effects of Boiling on the Quenched Steel Structure of Martensite," In *Recent Advances in the Conservation and Analysis of Artifacts*, edited by James Black, pp. 125-129, London: Summer School Press, University of London, 1987.

Erhardt, W. David, and Natalie Firnhaber. "Analysis and Identification of Oils in Hawaiian Oiled Tapa," In *Recent Advances in the Conservation and Analysis of Artifacts*, compiled by James Black, pp. 223-227, London: Summer School Press, 1987. [University of London Institute of Archaeology Jubilee Conservation Conference, July 1987]

Erhardt, W. David, David W. von Endt, and Walter R. Hopwood. "The Evaluation of Accelerated Aging Conditions Through the Analysis of Extracts of Artificially Aged Paper," In *Preprints, Annual Conference, Vancouver, 1987*, pp. 43-55, Washington, DC: American Institute for Conservation, 1987.

Futernick, Robert, and Debra Evans, with Dianne van der Reyden and Timothy Vitale as contributors. "Filling of Losses," *Paper Conservation Catalog*, section 26, pp. 1-17, Washington, DC: Book and Paper Group, American Institute for Conservation, May 1987.

Garbin, Mary L. "Northampton Leather Seminar," *Leather Conservation News*, vol. 3, no. 1 (Fall 1986): 18.

Gianno, Rosemary, David W. von Endt, W. David Erhardt, K.M. Kochummen, and Walter R. Hopwood. "The Identification of Insular Southeast Asian Resins and Other Plant Exudates for Archaeological and Ethnological Application," In *Recent Advances in the Conservation and Analysis of Artifacts*, compiled by James Black, pp. 229-238, London: Summer School Press, 1987. [University of London Institute of Archaeology Jubilee Conservation Conference, July 1987]

Goodway, Martha. "Phosphorus in Antique Iron Music Wire," *Science*, vol. 236 (1987): 927-932. Summary in *Scientific American*, vol. 287 (August 1987): 20-22. Report in *The Daily Telegraph*, London (2 June 1987).

Goodway, Martha. "Fiber Identification in Practice," *Journal of the American Institute for Conservation*, vol. 26 (1987): 27-44.

Goodway, Martha. "American Activities," *Historical Metallurgy*, vol. 20, no. 2 (1986): 113.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 10, no. 1 (1987): 1-2.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 10, no. 2 (1987): 5-7.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 10, no. 3 (1987): 14.

Grissom, Carol A. "Green Earth," In *Artists' Pigments: A Handbook of Their History and Characteristics*, edited by Robert L. Feller, pp. 141-167, Washington, DC: National Gallery of Art, 1986.

Holmes, L.L., C.T. Little, and Edward V. Sayre. "Elemental Characterization of Medieval Limestone Sculpture from Parisian and Burgundian Sources," *Journal of Field Archaeology*, vol. 13, no. 4 (1986): 420-438.

Kingery, W. David, and Pamela B. Vandiver. "Song Dynasty Jun Ware Glazes," In *Scientific and Technological Insights on Ancient Chinese Pottery and Porcelain*, edited by Shanghai Institute of Ceramics, pp. 182-186. Proceedings of the International Conference on Ancient Chinese Pottery and Porcelain, Shanghai, November 1-5, 1982, Shanghai: Shanghai Institute of Ceramics, 1986.

Lange, F.W., and Ronald L. Bishop. "Settlement pattern and jade research on the Santa Elena Peninsula," In *Journal of the Steward Anthropological Society*, edited by L. Norr and F.W. Lange, pp. 221-226, Urbana: University of Illinois, 1987.

Ligeza, M., David W. von Endt, W. David Erhardt, Jacqueline S. Olin, and Yu-Tarng Cheng. "The Effects of Gamma Radiation on the Chemical Stability of Paint Films," In *Preprints, Poster Session Abstracts, 15th Annual Meeting, Vancouver, 1987*, p. 238, Washington, DC: American Institute for Conservation, 1987.

McMillan, Eleanor. "Report of ICOM Conservation Committee Information Desk, ICOM-'86 Conference, Buenos Aires," *ICOM-CC News*, Winter/Spring 1987.

Olin, Jacqueline S., and M. James Blackman, eds. *Proceedings of the 24th International Archaeometry Symposium*, Washington, DC: Smithsonian Institution Press, 1986.

Padfield, Tim. "Climate Control in Archives and Libraries," In *Preservation of Library Materials*, Proceedings of the Conference, Vienna, April 1986, part 2, pp. 124-139.

Padfield, Tim. "A Himalayan Legend Describes an Early Example of Science Applied to the Packing and Transport of a Work of Art," *Bulletin, AICCM*, vol. 13, nos. 3&4 (1987): 43-55.

Padfield, Tim, and W. David Erhardt. "The Spontaneous Transfer to Glass of an Image of Joan of Arc," In *Proceedings of the Eighth Triennial Meeting of the ICOM Committee for Conservation*, Sydney, Australia (September 1987): 909-913.

Postlethwaite, Alan W. "Fumigation, Choice of Fumigant and Design of Facility," In *Proceedings of the Eighth Triennial Meeting of the ICOM Committee for Conservation*, Sydney, Australia (September 1987): 1189-1196.

Strahan, Donna K. "Treatment of a Silver Dragon for the Removal of Silver Cyanide and Chalconatronite," *Journal of the American Institute for Conservation*, vol. 25, no. 2 (Fall 1986): 73-81.

van der Reyden, Dianne, Timothy J. Vitale, et al, co-editors. *Paper Conservation Catalog*, Fourth Edition. Washington, DC: Book and Paper Group, American Institute for Conservation, 1987.

Vandiver, Pamela B., and W. David Kingery. "Appendix A: Celadons: The Technological Basis of Their Visual Appearances," In *Ice and Green Clouds: Traditions of Chinese Celadon*, pp. 217-224, Indianapolis: Indianapolis Museum of Art in cooperation with Indiana University Press, 1986.

Vandiver, Pamela B., and W. David Kingery. "Egyptian Faience, The First High-Tech Ceramic," In *Ceramics and Civilization III: High-Technology Ceramics. Past, Present and Future*, edited by W. David Kingery, pp. 19-34, Columbia, OH: American Ceramics Society, 1987.

Vandiver, Pamela B., and Peter Lacovara. "An Outline for the Development of Egyptian Ceramics," *Bulletin of Egyptological Seminar*, vol. 7 (1985-86): 53-85.

Vandiver, Pamela B., and W. David Kingery. "Song Dynasty Celadon Glazes from Dayao near Longquan," In *Scientific and Technological Insights on Ancient Chinese Pottery and Porcelain*, edited by Shanghai Institute of Ceramics, pp. 187-191. Proceedings of the International Conference on Ancient Chinese Pottery and Porcelain, Shanghai, November 1-5, 1982, Shanghai: Shanghai Institute of Ceramics, 1986.

Vandiver, Pamela B., and W. David Kingery. "The Technology of Celadon Glazes," *Ceramics Monthly* (September 1987): 55-58.

von Endt, David W., and W. David Erhardt. "Chemical Studies on the Proteins of Archaeological Bones and Teeth," *Preprints of the 1987 Denver meeting of the American Chemical Society*, Hist:0020.

Williams, Marc A. "Furniture Conservation Ethics," *Antique Review*, vol. 12, no. 9 (September 1986): 30-31.

Williams, Marc A. "Wood Technology Part I," *Antique Review*, vol. 12, no. 10 (October 1986): 29-31.

Williams, Marc A. "Wood Technology Part II," *Antique Review*, vol. 12, no. 11 (November 1986): 43-45.

Williams, Marc A. "Technology of Adhesives and Finishes," *Antique Review*, vol. 12, no. 12 (December 1986): 22-23.

Williams, Marc A. "Furniture Construction Techniques," *Antique Review*, vol. 12, no. 1 (January 1987): 27-31.

Williams, Marc A. "Furniture Deterioration: Temperature and Relative Humidity," *Antique Review*, vol. 13, no. 2 (February 1987): 17-20.

Williams, Marc A. "Furniture Deterioration: Light, Environmental Contaminants and Biopredation," *Antique Review*, vol. 13, no. 3 (March 1987): 52-54.

Williams, Marc A. "Furniture Deterioration: Man," *Antique Review*, vol. 13 (June 1987): 47-49.

Williams, Marc A. "Summary of Furniture Preservation and Care," *Antique Review*, vol. 13 (August 1987): 33-35.

1986

Ballard, Mary W. "Textile Conservation at the Conservation Analytical Laboratory, Washington, DC," *Textile Conservation Newsletter* (Fall 1985): 27-28.

Ballard, Mary W., and Norbert S. Baer. "Ethylene Oxide Fumigation: Results and Risk Assessment," *Restaurator*, vol. 7, no. 4 (1986): 143-168.

Ballard, Mary W., R.J. Koestler, and N. Indictor. "Weighted Silks Observed Using Energy Dispersive X-ray Spectrometry," *Scanning Electron Microscopy*, vol. 2 (1986): 499-506.

Bishop, Ronald L., Garman Harbottle, Dorie J. Reents, Edward V. Sayre, and Lambertus van Zelst. "Compositional Attribution on Non-Provenanced Maya Polychrome Vessels," In *Application of Science in Examination of Works of Art*, edited by P.A. England and Lambertus van Zelst, pp. 117-124, Boston: Museum of Fine Arts, 1985.

Bishop, Ronald L., Edward V. Sayre, and Lambertus van Zelst. "Characterization of Mesoamerican Jade," In *Application of Science in Examination of Works of Art*, edited by P.A. England and Lambertus van Zelst, pp. 151-156, Boston: Museum of Fine Arts, 1985.

Boulton, Ann. "The Examination, Treatment and Analysis of a Pair of Boots from the Aleutian Islands Including a Note About Possible Pesticide Contamination," *Journal of the American Institute for Conservation*, vol. 25, no. 1 (1986): 1-13.

Cheng, Yu-Tarn, Jacqueline S. Olin, R.S. Carter, M. Sanczy, I.C. Schroder, and C.H. Olin. "Modification of the National Bureau of Standards Research Reactor for Neutron-Induced Autoradiography of Paintings," In *Application of Science in Examination of Works of Art*, edited by P.A. England and Lambertus van Zelst, pp. 182-189, Boston: Museum of Fine Arts, 1985.

Ehrenreich, Robert M. "Blacksmithing Technology in Iron Age Wessex," *Oxford Journal of Archaeology*, vol. 5, no. 2 (July 1986): 165-184, Oxford, UK: Blackwell, 1986.

Ehrenreich, Robert M. "Trade, Technology and the Ironworking Community in the Iron Age of Southern Britain," *BAR British Series 144*, 228 pp, Oxford: Thesis, Keble College, 1985.

Erhardt, W. David. "Analytical Appendix" to Hawaiian Oiled and Mamaki-Tapa by Natalie Firnhaber, In *Symposium 86: The Care and Preservation of Ethnographic Materials* (September 1986).

French, J.M., Edward V. Sayre, and Lambertus van Zelst. "Nine Medieval French Limestone Reliefs: The Search for a Provenance," In *Application of Science in Examination of Works of Art*, edited by P.A. England and Lambertus van Zelst, pp. 132-141, Boston: Museum of Fine Arts, 1985.

Frohlich, Bruno, and Warwick J. Lancaster. "Electromagnetic Surveying in Current Middle Eastern Archaeology: Application and Evaluation," *Geophysics*, vol. 51, no. 7 (July 1986): 1414-1425.

Garbin, Mary L. "Conservation at the German Leather Museum," *Leather Conservation News*, vol. 2, no. 2 (1986): 14-15.

Gianno, Rosemary. "The Exploitation of Resinous Products in a Lowland Malayan Forest," *Wallaceana*, vol. 42 (1986): 3-6.

Gianno, Rosemary. "Resin Classification Among the Semelai of Tasek Bera, Pahang, Malaysia," *Economic Botany*, vol. 40, no. 2 (1986): 186-200.

Goodway, Martha. "Iron and Steel: Chronology and Annotated Bibliography; Notes on Analysis of Metals," *Metals for Conservators*, Washington, DC: American Institute for Conservation, 1986.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 9, no. 1 (1985): 4.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 9, no. 2 (1986): 6-7.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 9, no. 3 (1986): 2.

Harbottle, Garman, Edward V. Sayre, and Raymond W. Stoenner. "The Use of Miniature Carbon-14 in Dating and Authentication in the Museum," In *Application of Science in Examination of Works of Art*, edited by P.A. England and Lambertus van Zelst, pp. 10-16, Boston: Museum of Fine Arts, 1985.

Holmes, L.L., C.T. Little, and Edward V. Sayre. "Elemental Characterization of Medieval Limestone Sculpture from Parisian and Burgundian Sources," *Journal of Field Archaeology* (1986): 123-131.

Kingery, W.D., and Pamela B. Vandiver. "Glaze Structure and Its Interaction with Light: An Example of Song Dynasty Jun Ware," *The Studio Potter*, vol. 14, no. 2 (1986): 23-26.

Kingery, W.D., and Pamela B. Vandiver. *Ceramic Masterpieces: Art, Structure, Technology*, 339 pp., New York: McMillan Free Press, 1986.

Kingery, W.D., and Pamela B. Vandiver. "The Technology of Tiffany Art Glass," In *Application of Science in Examination of Works of Art*, edited by P.A. England and Lambertus van Zelst, pp. 100-116, Boston: Museum of Fine Arts, 1985.

Kingery, W.D., and Pamela B. Vandiver. "The Eighteenth Century Change in Technology and Style from the Famille-Verte Palette to the Famille-Rose Palette," In *Ceramics and Civilization II*, pp. 363-382, Columbus, OH: The American Ceramic Society, 1986.

Lahanier, C.H., F.D. Preusser, and Lambertus van Zelst. "Study and Conservation of Museum Objects: Use of Classical Analytical Techniques," *Nuclear Instruments and Methods in Physics Research B14*, no. 1 (1986): 1-9.

Myers, J.E., and M. James Blackman. "Conical Plates of the Hispano-Moresque Tradition from Islamic Qsar es-Seghir: Petrographic and Chemical Analysis," In *La Ceramics Medivale nel Mediterraneo Occidentale*, pp. 55-68, Firenze: All Insegna Del Giglio, 1986.

Sayre, Edward V. "History and Development of Conservation Related Computer Technology," In *Computer Technology for Conservation*, pp. 11-24, Ottawa, Canada: International Institute for Conservation - Canadian Group, 1986.

van der Reyden, Dianne. "Technology and Treatment of a 19th Century American Time Globe," In *Preprints, New Directions in Paper Conservation*, part 3, 10th Anniversary Conference held in Oxford, 1986, pp. 21-30, Leigh, Worcestershire, UK: The Institute for Paper Conservation, 1986.

van der Reyden, Dianne, and Donald C. Williams. "The Technology and Conservation Treatment of a 19th Century English 'Papier Mache' Chair," *Preprints, 14th Annual Meeting, Chicago, 21-25 May, 1986*, edited by Brown A. Gilson, pp. 125-142, Washington, DC: American Institute for Conservation of Historic and Artistic Works, 1986.

van der Reyden, Dianne, and Timothy J. Vitale. "Humidification," *Paper Conservation Catalog*, Part 22, Third Edition, Washington, DC: Book and Paper Group, American Institute for Conservation, 1986.

Vandiver, Pamela B. "The Production Technology of Earthenware Ceramics, 4900-2800 B.C.," In *Excavations at Tepe Yahya, Iran, 1967-75: The Early Periods*, edited by T.W. Beale and C.C. Lamberg-Karlovsky, pp. 91-100, American School of Prehistoric Research Bulletin 38, Cambridge: Peabody Museum, Harvard University, 1986.

Vandiver, Pamela B., and C.G. Koehler. "Structure, Processing, Properties, and Style of Corinthian Transport Amphoras," In *Ceramics and Civilization II*, edited by W.D. Kingery, pp. 173-216, Columbus, OH: American Ceramic Society, 1986.

Vandiver, Pamela B., and W. David Kingery. "Manufacture of an Eighteenth Dynasty Egyptian Faience Chalice," In *Conference on Early Vitreous Materials*, edited by M. Bimson and I. Freestone, pp. 79-90, British Museum Occasional Papers, London: British Museum, 1986.

van Zelst, Lambertus. "Technical Examination of Terracottas," In *From Indian Earth: 4000 Years of Terracotta Art*, pp. 67-69, New York: The Brooklyn Museum, 1986.

van Zelst, Lambertus, and P.A. England, eds. *Application of Science in Examination of Works of Art*, Boston: Museum of Fine Arts, 1985.

Wright, Rita P. "The Boundaries of Technology and Stylistic Change," In *Ceramics and Civilization II: Technology and Style*, edited by W. David Kingery, pp. 1-20, Columbus, OH: American Ceramic Society, 1986.

Williams, Marc A. "Furniture Conservation: An Introduction and History," *Antique Review*, vol. 12, no. 8 (1986): 24-25.

Williams, Marc A. "Furniture Conservation Ethics," *Antique Review*, vol. 12, no. 9 (1986): 30-31.

1985

Beaudry, Marilyn P. "Ceramic Production and Distribution in the Southeastern Maya Periphery: Late Classic Painted Serving Vessels," *BAR International Series 203*, Oxford: British Archaeological Reports, 1984.

Bishop, Ronald L., Dorie J. Reents, G. Harbottle, Edward V. Sayre, and Lambertus van Zelst. "The Area Groups: An Example of Style Paste Compositional Covariation in Maya Pottery," In *Fifth Palenque Roundtable, 1983*, edited by Marle Green Robertson and Virginia M. Fields, pp. 79-84, Monterey: Pre-Columbia Art Institute, Herald Printers, 1985.

Blackman, M. James. "The Provenience of Obsidian Artifacts from Late Chalcolithic Levels at Aphrodisias, Turkey," In *Prehistoric Aphrodisias*, edited by M. Joukowsky, (Archaeologia Transatlantica Vol. IV), Louvain-la-neuve: Institut Superieur d'Archéologie et Histoire de L'Art, [Brown University], 1985.

Blackman, M. James. "Chemical Characterization of Sealing Clays from Fourth Millennium B.C. Sites in Iran," In *The Transactions of the American Nuclear Society*, vol. 49 (1985): 168-169.

Cheng, Yu-Tarng, and Jacqueline S. Olin. "Neutron Activation Autoradiography Program at the Smithsonian Institution," In *The Transactions of the American Nuclear Society*, vol. 49 (1985): 169.

Garbin, Mary L. "Leather Bibliography," In *Recent Advances in Leather Conservation*. Washington, DC: Foundation of the American Institute for Conservation of Historic and Artistic Works (FAIC), 1985.

Goodway, Martha. "Disintegration of Zinc Die-Castings," *Journal of the Historical Metallurgy Society*, vol. 19, no. 1 (1985): 37-38.

Graunfelter, G.H., and Ronald L. Bishop. *Invertebrate Megafauna of the Palenque, Chiappas, Mexico Area*. Southern Illinois Studies 18 (1985).

Hamburg, D., Dianne van der Reyden, and Timothy J. Vitale. "Humidification," *Paper Conservation Catalog*, Section 22, Washington, DC: American Institute for Conservation, Book and Paper Group, May 1984.

Hamburg, D., and Timothy J. Vitale. "Drying/Flattening," *Paper Conservation Catalog*, Section 28, Washington, DC: American Institute for Conservation, Book and Paper Group, May 1984.

Henderson, J. "An Iron Age Glass Bead," *Excavations at Gwerndale, Cambrian Archaeological Society Monograph no. 2* (1984).

Henderson, J., et al. "A Bronze Age Glass Bead from Wilsford, Wiltshire," *Proceedings of the Historic Society*, vol. 52 (1984).

Jornet, A., M. James Blackman, and Jacqueline S. Olin. "XIIIth to XVIII Century Ceramics from the Paterna-Manises Area (Spain)," In *Ceramics and Civilization*, edited by W. David Kingery, pp. 235-255, Columbus, OH: American Ceramic Society, 1985.

Myers, J. Emlen, and M. James Blackman. "Conical Plates from Medieval Qsar es-Seghir," In *Proceedings of the Third International Congress on Medieval Ceramics*, 1985.

Padfield, Tim. "A Cooled Display Case," *Museum (UNESCO)*, vol. 146 (1985): 102-103.

Reents, Dorie J., and Ronald L. Bishop. "History and Ritual Events on a Patexbatun Classic Maya Polychrome Vessel," In *Fifth Palenque Roundtable, 1983*, edited by Merle Green Robertson and Virginia M. Fields, pp. 57-63, Monterey: Pre-Columbia Art Institute, Herald Printers, 1985.

Stark, B.L., L. Haller, F.W. Nelson, Ronald L. Bishop, D.M. Pearsall, D.S. Whitely, and H. Kells. "El Balsamo Residential Investigations - a Pilot Project and Research Issues," *American Anthropologist*, 1985.

von Endt, David W., and Donald J. Ortner. "Experimental Effects of Bone Size and Temperature on Bone Diogenesis," *Journal of Archaeological Science II* (1984): 247-253.

Wright, Rita P. "Technology and Style in Ancient Ceramics," In *Ceramics and Civilization: Ancient Technologies to Modern Science I*, edited by W. David Kingery, pp. 5-25, Columbus, OH: American Ceramic Society, 1985.

Wright, Rita P. "The Frontiers of Prehistoric Baluchistan and the Development of the Indus Civilization," In *Politics and Partitions*, edited by K.M. Trinkhaus, AZ: Arizona State Press, 1985.

1984

Allen, R.O., H. Ramboush, C. Nagle, and William FitzHugh. "Use of rare earth element analysis to study the utilization and procurement of soapstone along the Labrador coast," In *Archaeological Chemistry III*, edited by Joseph Lambert, pp. 3-18, ACS Advances in Chemistry Series No. 205, Washington, DC: American Chemical Society, 1984.

Bishop, Ronald L. "El analisis de activacion de neutrones de la ceramic de El Mirador," In *Proyecto de El Mirador* de la Harvard University, edited by A. Demarest and W. Fowler, pp. 148-159, Antigua: CERMA, 1982-1983.

Blackman, M. James. "Provenance Studies of Middle Eastern Obsidian from Sites in Highland Iran," In *Archaeological Chemistry III*, edited by Joseph Lambert, pp. 19-50, ACS Advances in Chemistry Series No. 205, Washington, DC: American Chemical Society, 1984.

Erhardt, W. David. "Removal of Silicone Adhesives," *Journal of the American Institute for Conservation*, vol. 22 (Fall 1983): 100.

Gallagher, B. "Ambassador Breckinridge Long - A Bibliography," *Fireback, Quarterly Newsletter of the Friends of Montpellier Mansion*, vol. 4, no. 3 (August 1984): 4.

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 6, no. 4 (1983).

Goodway, Martha. "News of Archaeometallurgy," *Society for Archaeological Sciences Newsletter*, vol. 7, no. 1 (1983).

Goodway, Martha, "Theodore A. Wertime (obituary)," *Journal of the Historical Metallurgy Society*, vol. 17, no. 2 (1983): 81-82.

Goodway, Martha. "Notes and News from Washington, DC," *Journal of the Historical Metallurgy Society*, vol. 17, no. 2 (1983): 130-131.

Maggetti, M., Harold Westley, and Jacqueline S. Olin. "Provenance and Technical Studies of Mexican Majolica Using Elemental and Phase Analysis," In *Archaeological Chemistry III*, edited by Joseph Lambert, pp. 152-191. ACS Advances in Chemistry Series No. 205, Washington, DC: American Chemical Society, 1984.

Organ, Robert M. "The Ardagh Chalice: A Case History," edited by K. Coleman, In *Metalsmith*, vol. 4, no. 2 (1984): 6-13.

Rogers, M., R.O. Allen, C. Nagle, and William FitzHugh. "The utilization of rare earth element concentration for the characterization of soapstone quarries," *Archaeometry*, vol. 25 (1983): 186-195.

Rose, Caroline L., and David W. von Endt, eds. *Protein Chemistry for Conservators*, Washington, DC: American Institute for Conservation, 1984.

van der Reyden, Dianne L. "Oriental Paper Conservation Techniques used by K. Masuda," *Washington Conservation Guild Newsletter*, vol. 8, no. 4 (October 1984): 2.

van der Reyden, Dianne L. "Photographic Conservation at the Public Archives of Canada," *Washington Conservation Guild Newsletter*, vol. 8, no. 1 (January 1984): 2.

von Endt, David W. "Protein Chemistry and the Structure of Bone and Skin," In *Protein Chemistry for Conservators*, edited by Caroline L. Rose and David von Endt, pp. 1-7, Washington, DC: American Institute for Conservation, 1984.

von Endt, David W. "Deterioration of Bone," In *Protein Chemistry for Conservators*, edited by Caroline L. Rose and David von Endt, pp. 31-35, Washington, DC: American Institute for Conservation, 1984.

von Endt, David W. "Protein Adhesives," In *Protein Chemistry for Conservators*, edited by Caroline L. Rose and David von Endt, pp. 39-47, Washington, DC: American Institute for Conservation, 1984.

von Endt, David W. "Analytical Techniques for Proteins," In *Protein Chemistry for Conservators*, edited by Caroline L. Rose and David von Endt, pp. 1071-122, Washington, DC: American Institute for Conservation, 1984.

Westley, H. "Provenance and Technical Studies of Mexican Majolica Using Elemental and Phase Analysis," In *Archaeological Chemistry III*, edited by Joseph Lambert, chapter 9, ACS Advances in Chemistry Series No. 205, Washington, DC: American Chemical Society, 1984.

1983

Blackman, M. James, and C. Nagle. "Characterization of Dorset Paleo-Eskimo Nephritic Jade Artifacts from Central Labrador, Canada," In *Proceedings of the 22nd Symposium on Archaeometry, Bradford, UK, March 30-April 3, 1982*, pp. 411-419, Bradford, UK: University of Bradford, 1982.

Blackman, James. "The Manufacture and Use of Burned Lime Plaster at Proto-Elamite Anshan (Iran)," In *Early Pyrotechnology*, edited by T.A. Wertime and S.F. Wertime, pp. 107-115, Washington, DC: Smithsonian Institution Press, 1982.

DeAtley, Suzanne P., M. James Blackman, and Jacqueline S. Olin. "Comparison of Data Obtained by Neutron Activation and Electron Microprobe Analyses of Ceramics," In *Archaeological Ceramics*, edited by Jacqueline S. Olin and A. Franklin, pp. 107-115, Washington, DC: Smithsonian Institution Press, 1982.

Mishara, Joan. "Early Hydraulic Cements," In *Early Pyrotechnology*, edited by T.A. Wertime and S.F. Wertime, pp. 125-134, Washington, DC: Smithsonian Institution Press, 1982.

Olin, Jacqueline S., and A. Franklin, eds. *Archaeological Ceramics*, Washington, DC: Smithsonian Institution Press, 1982.

Organ, Robert M. "The Needs of Museums for Biocides," In *Biodeterioration 5*, papers presented at the 5th International Biodeterioration Symposium, Aberdeen, September 1981, edited by T.A. Oxley and Sheila Barry, pp. 409-415, Chichester: Wiley, 1983.

1982

Olin, Jacqueline S., ed. *Future Directions in Archaeometry - A Round Table*. Discussion held in conjunction with the 21st Archaeometry Symposium held at Brookhaven National Laboratory, Long Island, May 18-22, 1981, Washington, DC: Smithsonian Institution Press, 1982.

Organ, Robert M. "Science for the Conservator," *Journal of the American Institute for Conservation*, vol. 20, no. 1 (1981): 41-44.

Organ, Robert M. "Appendix 1, Technical Examination of the Classical Bronze Horse from the Metropolitan Museum of Art," edited by K.C. Lefferts, pp. 21-24, *Journal of the American Institute for Conservation*, vol. 21, no. 1 (1981): 1-42.

Organ, Robert M. "Errors of Presentation," In *Conservation - A Challenge to the Profession*, *Museum (UNESCO)*, vol. 34, no. 1 (1982): 51-52.

Sayre, Edward V., G. Harbottle, R. Stoenner, W. Washburn, Jacqueline Olin, and William FitzHugh. "The Carbon-14 Dating of an Iron Bloom Associated with the Voyages of Sir Martin Frobisher," In *Nuclear and Chemical Dating Techniques*, edited by Lloyd A. Currie, pp. 441-451. ACS Symposium Series 176, Washington, DC: American Chemical Society, 1982.

van der Reyden, Dianne L. "Wax Pick Testing: A Preliminary Study," *Art Conservation Training Programs Conference, March 26-27, 1981*, pp. 62-73, New York, NY: Conservation Center, Institute of Fine Arts, New York University, 1982.

1981

Angst, Walter. "Repair of a Side Chair with Perforated Plywood Seat," *Journal of the American Institute for Conservation*, vol. 19, no. 2 (1980): 75-88.

Blackman, M. James. "The Mineralogical and Chemical Analysis of Banesh Period Ceramics from Tal-e Malyan, Iran," In *Scientific Studies in Ancient Ceramics*, pp. 7-20. Occasional Paper 19, London: British Museum, 1981.

1980

Odell, J. Scott, and Martha Goodway. "Harpsichord Wires of the 17th and 18th Centuries," In *Preprints, American Institute for Conservation of Historic and Artistic Works, Eighth Annual Meeting, San Francisco, May 22-25, 1980*, pp. 62-71, Washington, DC: American Institute for Conservation, 1980.

Organ, Robert M. "The Lessons of Nature," *Newsletter, ICCROM*, vol. 6 (1980): 29-32, Rome: International Centre for the Conservation of Cultural Property, 1980.

1979

Olin, Jacqueline S., G. Harbottle and Edward V. Sayre. "Elemental Compositions of Spanish and Spanish-Colonial Majolica Ceramics in the Identification of Provenience," In *Archaeological Chemistry II*, edited by Giles F. Carter. Advances in Chemistry Series, Washington, DC: American Chemical Society, 1978.

Organ, Robert M. "Problems of the Museum Laboratory," In *International Symposium on the Conservation and Restoration of Cultural Property - Cultural Property and Analytical Chemistry*, edited by E. Emoto and H. Mabuchi, pp. 237-251, Tokyo: Tokyo National Research Institute of Cultural Properties, 1979.

Organ, Robert M. "Problems of the Museum Laboratory," In *Preprints of the 7th Annual Meeting of the American Institute for Conservation, Toronto, 1979*, pp. 75-85, Washington, DC: American Institute for Conservation, 1979.

Organ, Robert M. "Review of The Museum Environment by G. Thomson," *Studies in Conservation*, vol. 24, no. 3 (1979): 139-140.

1978

Angst, Walter. "The Case for Scientific Furniture Conservation," *Museum News*, vol. 56, no. 6 (July/August 1978).

Organ, Robert M. "Introduction," In *Conservation of Iron Objects found in a Salty Environment*, edited by J. Lehman, et al, pp. 5-8, Warsaw: Historical Monuments Documentation Centre, Ministry of Culture and Arts, 1978.

Organ, Robert M. "The Computerization of Conservation Records," In *ICOM Committee for Conservation Preprints 4*, part 4 (1978): 1-13. 5th triennial meeting in Zagreb.

Organ, Robert M. "Some Tools for the Lenders and Borrowers of Humidity-Sensitive Objects," In *ICOM Committee for Conservation Preprints 18*, part 4 (1978): 1-10. 5th triennial meeting in Zagreb.

1977

Goodway, Martha. "Metallographic Preparation of Art and Archaeological Specimens," *Technology and Conservation* (Spring 1977): 10-13, Boston, MA: The Technology Organization, Inc., 1977.

Goodway, Martha, with B.F. Brown, et al. eds. *Corrosion and Metal Artifacts - A dialogue between Conservators and Archaeologists and Corrosion Scientists*. NBS Special Publication 479, Washington, DC: National Bureau of Standards, 1977 [Proceedings of a meeting at the National Bureau of Standards]

Organ, Robert M. "The Current Status of the Treatment of Corroded Metal Artifacts," In *Corrosion and Metal Artifacts - A dialogue between Conservators and Archaeologists and Corrosion Scientists*, edited by B.F. Brown, et al, pp. 107-142. NBS Special Publication 479, Washington, DC: National Bureau of Standards, 1977.

1976

Olin, Jacqueline S., M.E. Salmon and Edward V. Sayre. "Neutron Activation and Electron Beam Microscope Study of a XIV Century Austrian Stained Glass Panel," In *Applicazione dei metodi nucleari nel campo delle opere d'arte*, edited by G. Bardi, pp. 99-110, Rome, Italy: Accademia Nazionale dei Lincei, 1976. Proceedings of the International Congress, Rome - Venice, 24-29 May 1973.

Olin, Jacqueline S. and Edward V. Sayre. *Identification of the Provenience of Majolica from Sites in the Caribbean using Neutron Activation Analysis*. Brookhaven National Laboratory Report 21176, 1976.

Olin, Jacqueline S. "Neutron Activation Analysis of Majolica from Spanish Colonial Sites in Meso-America," *Bulletin, American Institute for Conservation of Historic and Artistic Works*, vol. 15, no. 2 (Summer 1975): 57-62.

Organ, Robert M. "An Idea for National Conservation Institute Without Walls," *Newsletter, ICCROM*, vol. 3 (October 1975): 7-10, Rome: International Centre for the Conservation of Cultural Property, 1975.

Organ, Robert M. "The Corrosion of Tin, Copper, Iron, Steel and Lead," In *Preservation and Conservation: Principles and Practice*, edited by S. Timmons, pp. 243-256, Washington, DC: Preservation Press, 1976.

Organ, Robert M. "The Organisation of an Integrated Facility for Conservation of Museum Objects," *Bulletin, Institut Royal du Patrimoine Artistique*, vol. XV (1975): 283-301.

Organ, Robert M. "The Organization and Management of Conservation Programs," In *Conservation Administration*, edited by R.C. Morrison, G.C. Cunha and N.P. Tucker, pp. 213-285, North Andover: New England Document Conservation Center; and Boston: Library of the Boston Athenaeum, 1975.

Organ, Robert M., and J.A. Mandarino. "Romarchite and Hydroromarchite, two new stannous minerals," *The Canadian Mineralogist*, vol. 10 (1971): 916.

1975

Moreland, Grover, Richard Johnson and Martha Goodway. "An Improved Technique for the Preparation of Polished Metallurgical Sections," *Metallography*, vol. 8 (June 1975): 253-255.

Olin, Jacqueline S. and Edward V. Sayre. "Neutron Activation Analytical Survey of Some Intact Medieval Glass Panels and Related Specimens," In *Archaeological Chemistry*, edited by Curt W. Beck, pp. 100-123. Advances in Chemistry Series 138, Washington, DC: American Chemical Society, 1974.

Organ, Robert M. "A Conservation Institute: A Personal Concept," *Bulletin, American Institute for Conservation*, vol. 15, no. 2 (1975): 63-65.

1974

McMillan, Eleanor. "Notes on Paper," *Bulletin, International Institute for Conservation - American Group*, vol. 14, no. 1 (1973): 75-77.

Miller, B.A. and Jacqueline S. Olin. "Analysis of French, English and Scottish Pewter Measures Using Energy Dispersive X-ray Fluorescence Analysis," *Bulletin, International Institute for Conservation - American Group*, vol. 14, no. 2 (April 1974): 160-167.

Organ, Robert M. "Review of The Conservation of Antiquities and Works of Art by H.J. Plenderleith and A.E. Werner, 1971," *Studies in Conservation*, vol. 18, no. 4 (1973): 189-194.

Organ, Robert M. "Examination of the Ardagh Chalice - A Case History," In *Application of Science in Examination of Works of Art*, edited by W.J. Young, pp. 238-271, Boston: Museum of Fine Arts, 1973.

1973

McMillan, Eleanor. "Three Months in Florence," *Foxcroft Alumnae Association Magazine*, vol. 37 (1971): 10-12.

Olin, Jacqueline S. "Chemical Studies of Medieval Window Glass," *Science for Survival*. 200th Anniversary Science Symposium, Dickinson College, Carlisle, Pennsylvania, 9 March 1973.

Olin, Jacqueline S. "Neutron Activation Analytical Survey of Some Intact Medieval Glass Panels and Related Specimens," *Fifth Symposium on Archaeological Chemistry*, American Chemical Society Meetings, Dallas, Texas, 10 April 1973.

Olin, Jacqueline S. "Neutron Activation and Electron Beam Microprobe Study of a Fourteenth Century Stained Glass Panel," *International Conference on Application of Nuclear Methods in the Field of Works of Art*, Accademia Nazionale dei Lincei, Rome, Italy, 24 May 1973.

Organ, Robert M. "Statement to Joint Hearings before the Special Subcommittee on Arts and Humanities of the Committee on Labor and Public Welfare and the Subcommittee on the Smithsonian Institution of the Committee on Rules and Administration, United States Senate, 93rd Congress. First Session on S. 796 to Improve Museum Services, S.2137 to amend the Act of October 15th 1966." *Federal Register*, pp. 516, 522-523, 513, 512, 526, 527, 509, 508, 530, 531, in this sequence, Washington, DC: US Government Printing Office, 1973.

1972

Eirk, Katherine G. "An Experimental Evaluation of Accepted Methods for Removing Spots and Stains from Works of Art on Paper," *Bulletin, International Institute for Conservation - American Group*, vol. 12, no. 2 (1972): 82-87.

Goodway, Martha. "Reaching the Verdict on a Pair of Earrings: Not Guilty," *Bulletin, International Institute for Conservation - American Group*, vol. 12, no. 2 (1972): 117-118.

McMillan, Eleanor. "Notes on Paper," *Bulletin, International Institute for Conservation - American Group*, vol. 12, no. 1 (1971): 11-15.

Olin, Jacqueline S. and Edward V. Sayre. "Compositional Categories of Some English and American Pottery of the American Colonial Period," In *Science and Archaeology*, edited by Robert Brill, 14: 196-209, Cambridge: MIT Press, 1971. Proceedings of the 4th Symposium on Archaeological Chemistry at Atlantic City, 1968.

Olin, Jacqueline S., B.A. Thompson and Edward V. Sayre. "Characterization of Medieval Window Glass by Neutron Activation Analysis," In *Developments in Applied Spectroscopy* 10, edited by A.J. Perkins, E.L. Grove, Emmett F. Kaelble, and Joan Westermwyer, pp. 33-55, New York, NY: Plenum Publishing Corp., 1969.

1971

McMillan, Eleanor. "Notes on Paper," *Bulletin, International Institute for Conservation - American Group*, vol. 2, no. 2 (1971): 16-19.

Organ, Robert M. "The Value of Analyses of Archaeological Objects," *Archaeometry*, vol. 13, no. 1 (1971): 27-28.

1970

Organ, Robert, M. "The Conservation of Bronze Objects," In *Art and Technology: A Symposium on Classical Bronzes*, edited by Susan Doehringer, et al, pp. 73-84, Cambridge: MIT Press, 1970.

Organ, Robert M. and Eleanor McMillan. "Aid to a Hurricane-damaged Museum," *Bulletin, International Institute for Conservation - American Group*, vol. 10, no. 1 (1969): 31-39.

1969

Olin, Jacqueline S., M.E. Salmon, and C.H. Olin. "Investigations of Historical Objects Utilizing Spectroscopy and Other Optical Methods," *Journal of Applied Optics*, vol. 8, no. 1 (January 1969): 29-39.

Olin, Jacqueline S., and Edward V. Sayre. *The Analysis of English and American Pottery of the American Colonial Period*. Publication 12719. Brookhaven National Laboratory, 1968.

Organ, Robert M. "Spot-tests for application directly to metals," *Bulletin, International Institute for Conservation - American Group*, vol. 10, no. 1 (1969): 17-19.

Organ, Robert M. *Design for Scientific Conservation of Antiquities*. xi+497 pages, 230 figures, 27 tables, Washington, DC: Smithsonian Institution Press; London: Butterworths, 1969.

Organ, Robert M. "Humidification of Galleries for a Temporary Exhibition," In *Museum Climaty*, edited by Garry Thomson, pp. 1-13, London: International Institute for Conservation, 1968.

Salmon, M.E. "An Improved Method of X-ray Fluorescence Analysis for Museum Objects," *Annual Meeting of International Institute for Conservation - American Group*, Los Angeles, 1969. See Bulletin, *IIC-AG*, vol. 9, no. 2 (1969): 3.