

Abridged Curriculum Vitae of Lee Ann Newsom

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Education

- 1993 Ph.D., Anthropology, University of Florida (Dissertation: *Native West Indian Plant Use*)
1986 M.A., Anthropology, University of Florida (Thesis: Paleoethnobotany: Hontoon Island, Fla.)
1982 B.A., Anthropology, University of Florida
1976 A.S., Paralegal Science, Santa Fe Community College

Recent Professional Experience

- 2016- Professor of Anthropology, Dept. of Social Sciences, Flagler College, St. Augustine, Florida.
2017- Emeritus, Department of Anthropology, Pennsylvania State University, University Park, PA;
http://www.anthro.psu.edu/faculty_staff/newsom.html
2016- Courtesy Professor, Department of Anthropology, University of Florida, Gainesville.
2009- Courtesy Curator, Florida Museum of Natural History (FlaMNH), Univ. of Florida.
2002-17 Associate Professor of Anthropology, Department of Anthropology, Penn State.
2002-17 Member Scientist/co-hire, Penn State Institutes of Energy & Environment (PSIEE).
2002- John D. & Catherine T. MacArthur Foundation Fellowship (“Genius Award”)
<http://www.macfound.org/fellows/696/>

Research Interests & Specialties

Primary foci: human ecology, historical ecology, island systems, island biogeographic theory, resilience and cultural niche construction theory, agrobiodiversity, paleoethnobotany, Columbian Exchange.

Specializations: environmental archaeology, archaeobotany, paleobotany, paleoecology, vascular plant anatomy, ecological and functional wood anatomy; Caribbean, Southeastern US, Florida.

Current projects: 1) historical ecology and long-term human ecodynamics in insular environments (currently Bahamas, Bermuda, Caribbean, Florida), emphasizing biodiversity legacy and cultural niche construction; 2) domestication and phylogeography of archaeological Cucurbitaceae (gourds and squashes); 3) paleoecology and late proboscideans in North America (currently southeastern US [Florida], Beringian landscape [Pribilof Islands]); Timucuan and Spanish Colonial St. Augustine, Florida [Fountain of Youth and A1A Ale House sites].

Publications¹

Books

Newsom L.A., and E.S. Wing (2004). *On Land and Sea: Native American Uses of Biological Resources in the West Indies*. The University of Alabama Press, Tuscaloosa.

Reitz E.J., L.A. Newsom, and S.J. Scudder, eds. (1996). *Case Studies in Environmental Archaeology*. Plenum Press, New York.

Research Articles

¹ Student and former student co-authors underlined.

Ostapkowicz, J., R. Schulting, R. Wheeler, L. **Newsom**, F. Brock, I. Bull, and C. Snoeck (2017). East-central Florida pre-Columbian wood sculpture: radiocarbon dating, wood identification and strontium isotope studies. *Journal of Archaeological Science Reports* 13:595-608.

Peña, C., E. Córdova, L. **Newsom**, N. Navarro, S. Sigarreta, and G. Vegué (2017). Distribution and abundance of *Tyrannus cubensis* (giant kingbird) in eastern Cuba. *BirdsCaribbean, the Journal of Caribbean Ornithology special issue Status of Caribbean Forest Endemics*, 30(1):10-23. www.birdscaribbean.org/jco.

Wang, Y., P. D. Heintzman, L. **Newsom**, N. H. Bigelow, M. J. Wooller, B. Shapiro, J. W. Williams (2017). The southern coastal Beringian land bridge: cryptic refugium or pseudorefugium for woody plants during the Last Glacial Maximum? *Journal of Biogeography* 44(7):1559-1571.

Beck, R.A., L.A. **Newsom**, C.B. Rodning, and D.G. Moore (2017). Spaces of entanglement: labor and construction practice at Fort San Juan de Joara. *Historical Archaeology* 15(2), published on line 21 April 2017, DOI 10.1007/s41636-017-0022-6.

Graham, R.W., S. Belmecheri, K. Choy, B. Cullerton, L. Davies, D. Froese, P.D. Heintzman, C. Hritz, J.D. Kapp, L. **Newsom**, R. Rawcliffe, E. Saulnier-Talbot, B. Shapiro, Y. Wang, J.W. Williams, M.J. Wooller (2016). Timing and causes of mid-Holocene mammoth extinction on St. Paul Island, Alaska. *PNAS* 113(33): 9310–9314. www.pnas.org/cgi/doi/10.1073/pnas.1604903113. *Awarded the 2016 Cozzarelli Prize in Applied Biological, Agricultural, and Environmental Sciences* (see below).

Thompson, V.D., W.H. Marquardt, A. Cherkinsky, A. Roberts Thompson, K. Walker, and L. **Newsom** (2016). From Shell Midden to Shell Mound: The Geochronology of Mound Key, an Anthropogenic Island in Southwest Florida, USA. *PLOS ONE* 11(4): e0154611. doi:10.1371/journal.pone.0154611

Hutchinson, D.L., L. Norr, T. Schober, W.H. Marquardt, K.J. Walker, L.A. **Newsom**, and C.M. Scarry (2016). The Calusa and Prehistoric Subsistence in Central and South Gulf Coast Florida, *Journal of Anthropological Archaeology* 41:55–73. <http://dx.doi.org/10.1016/j.jaa.2015.10.004>

Kistler, L., L.A. **Newsom**, T.M. Ryan, A.C. Clarke, B.D. Smith, G.H. Perry (2015). Gourds and squashes (*Cucurbita* spp.) adapted to megafaunal extinction and ecological anachronism through domestication. *PNAS* 112(49):15107-15112, doi: 10.1073/pnas. <http://www.pnas.org/content/early/2015/11/11/1516109112>.

Ostapkowicz, J., and L. **Newsom** (2015). Dioses...decorados con la aguja del bordador: los materiales, la confección y el significado de un relicario Taíno de algodón. Spanish translation of original publication in *Latin American Antiquity* 23(3): 300-326 (2012); chapter 7 in *El Zemí Taíno de Algodón*, Bernardo Vega, ed., pp. 131-172, Academia Dominicana de la Historia, Santo Domingo.

Rich F.J., L. **Newsom**, B. Myer, and R.K. Vance (2014) Radiocarbon Dates and the Genesis of Phytogenic Near-shore Sediments on St. Catherines Island, Georgia. *Environmental Earth Sciences* (published online 22 March, DOI 10.1007/s12665-014-3203-z).

Kistler L., A. Montenegro, B.D. Smith, J.A. Gifford, L.A. **Newsom**, and B. Shapiro (2014). African origins and multi-regional domestication of bottle gourds in the Americas, *PNAS* 111(8):2937-2941 (www.pnas.org/cgi/doi/10.1073/pnas.1318678111).

Kennett D.J., I. Hajdas, B.J. Culleton, S. Belmecheri, S. Martin, H. Neff, J. Awe, H.V. Graham, K.H. Freeman, L. **Newsom**, D.L. Lentz, F.S. Anselmetti, M. Robinson, N. Marwan, J. Southton, D.A. Hodell, and G.H. Haug (2013). Correlating the ancient Maya and modern European calendars with high-precision AMS ¹⁴C dating. *Nature Scientific Reports* 3:1597/DOI:10.1038/srep01597

Ostapkowicz J., and L.A. **Newsom** (2012). 'Gods... adorned with the embroiderer's needle': a cotton reliquary from Hispaniola. *Latin American Antiquity* 23(3):300-326.

- Kistler L., J.M. Haney, and L.A. **Newsom** (2012). Experimental investigation of pathogenic stress on phytolith formation in wild-type gourds (*Cucurbita pepo* var. *texana*), *Vegetation History and Archaeobotany*, published on line 29 May (DOI 10.1007/s00334-012-0363-1), print: 22:265-170 (2013).
- Winsborough B., I. Shimada, L.A. **Newsom**, J. Jones, and R. Sequra (2012). Paleoenvironmental catastrophies on the Peruvian coast revealed by lagoon sediment cores from Pachacamac. *Journal of Archaeological Science* 39:602-614.
- Wallis N.J., A.S. Cordell, and L.A. **Newsom** (2011). Using Hearths for Temper: Petrographic Analysis of Middle Woodland Charcoal-Tempered Pottery in Northeast Florida. *Journal of Archaeological Science* 38:2914-2924.
- Curet L.A., L.A. **Newsom**, and S. deFrance (2006). Prehispanic social and cultural changes at Tibes, Puerto Rico. *Journal of Field Archaeology* 31(1):23-39.
- Baas P., N. Blokhina, T. Fujii, P. Gasson, D. Grosser, I. Heinz, J. Ilic, J. Xiaomei, R. Miller, L.A. **Newsom**, S. Noshiro, H.G. Richter, M. Suzuki, T. Terrazas, E. Wheeler, and A. Wiedenhoeft (2004). IAWA List of Microscopic Features for Softwood Identification, edited by H.G. Richter, D. Grosser, I. Heinz, and P.E. Gasson. *IAWA Journal* 25(1):1-70.
- Törnqvist T.E., J.L. González, L.A. **Newsom**, K. Van der Borg, A.F.M. De Jong, and C. Kurnik (2004). Reconciling Holocene Sea-level History on the US Gulf Coast: Is the Mississippi Delta the Rosetta Stone? *Geological Society of America Bulletin* 116(7/8):1026-1039.
- Törnqvist T.E., J.L. González, L.A. **Newsom**, K. Van der Borg, and A.F.M. De Jong (2002). Reconstructing "background" rates of sea-level rise as a tool for forecasting coastal wetland loss in the Mississippi Delta. *EOS (Newsletter of the AGU)* 83(46):525-531.
- Newsom** L.A. (2002). Concerning North America (invited editorial). *Antiquity* 76(292):287-310.
- Zayac T., F.J. Rich, and L.A. **Newsom** (2001). The paleoecology and depositional environments of the McClelland Sandpit Site, Douglas, Georgia. *Southeastern Geology* 40(4):1-14.
- Rich F.J., A. Semratedu, J. Elzea, and L.A. **Newsom** (2000). Palynology and paleoecology of a wood-bearing clay deposit from Deepstep, Georgia. *Southeastern Geology* 39 (2):71-80.
- Newsom** L.A. (1998). Archaeobotanical research at the Shell Ridge Midden, Palmer Site (8So2), Sarasota County, Florida. *The Florida Anthropologist* 51(4):207-222.
- Rich F.J., and L.A. **Newsom** (1995). Preliminary Palynological and macrobotanical report for the Leisey Shell Pits, Hillsborough County, Florida. *Bulletin, Fla. Museum of Natural History* 37(4):117-126.
- Tuross N., M.L. Fogel, L. **Newsom**, and G.H. Doran (1994). Subsistence in the Florida Archaic: stable isotope and archaeobotanical evidence from the Windover Site. *American Antiquity* 59(2):288-303.
- Newsom** L.A. (1994). Archaeobotanical Data from Groves Orange Midden (8Vo2601), Volusia County, Florida. *The Florida Anthropologist* 47(4):404-417.
- Drewett P.L., M.H. Harris, L.A. **Newsom**, & E.W. Wing (1993). Excavations at Heywoods, Barbados, and the economic basis of the Suazoid Period in the Lesser Antilles. *Proceedings of the Prehistoric Society* (London) 59:113-137.
- Newsom** L.A., S.D. Webb, and J.S. Dunbar (1993). History and geographic distribution of *Cucurbita pepo* gourds in Florida. *Journal of Ethnobiology* 13(1):75-97.

Webb S.D., J. Dunbar, and L. **Newsom** (1992). Mastodon Digesta from North Florida. *Current Research in the Pleistocene* 9:114-116.

Russo M., B.A. Purdy, L.A. **Newsom**, and R.M. McGee (1991). A reinterpretation of Late Archaic adaptations in east-central Florida: Groves' Orange Midden (8Vo2601). *Southeastern Archaeology* 11(2):95-108.

Doran G., D. Dickell, and L. **Newsom** (1990). A 7,290-year-old bottle gourd from the Windover Site, Florida. *American Antiquity* 55(2):354-360.

Newsom L.A., and B.A. Purdy (1990). Dugout canoes. *Florida Anthropologist* 43(3):164-179.

Decker D.S., and L.A. **Newsom** (1988). Numerical analysis of archaeological *Cucurbita pepo* seeds from Hontoon Island, Florida. *Journal of Ethnobiology* 8(1):35-44.

Newsom L.A. (1988). Paleoethnobotanical remains from Windover Site, Florida: human abdominal samples. *Journal of Wetland Archaeology* 4:5-7.

Newsom L.A. (1987). Analysis of botanical remains from Hontoon Island (8Vo202), Florida: 1980-1985 Excavations. *Florida Anthropologist* 40(1):47-84.

Purdy B.A., and L.A. **Newsom** (1985). Significance of archaeological wet sites: a Florida example. *National Geographic Research* 1(4):564-569.

Published Abstracts

Wang, Y., P.D. Heintzman, S. Belmecheri, B.J. Culleton, L. **Newsom**, W. Porter, B. Shapiro, J.W. Williams, M.J. Wooller, and R.W. Graham (2016) Timing and drivers of woolly mammoth extinction on St. Paul Island during the Holocene, Ecol. Soc. of America, ann. meeting, Ft. Lauderdale, FL, Aug.

Heintzman, P.D., J.D. Kapp, B. Shapiro, R.W. Graham, S. Belmecheri, K. Choy, B.J. Culleton, L.J. Davies, D.G. Froese, C. Hritz, L. **Newsom**, R. Rawcliffe, É. Saulnier-Talbot, Y. Wang, J.W. Williams, M.J. Wooller (2016) Determining the timing of extinction for a late-surviving island mammoth population, Ecological Society of America, annual meeting, Ft. Lauderdale, FL, Aug.

Vetter, L., K.M. Schreiner, B.E. Rosenheim, B. Kohl, B.M. Steinmetz, L. **Newsom**, and T.E. Törnqvist (2015) Paleoenvironmental reconstruction of coastal marsh successions during early Holocene sea-level rise, Goldschmidt geochemistry conference, Geochemical Society and the European Association of Geochemistry (<http://www.geochemsoc.org/programs/goldschmidtconference/>).

Wang Y., L. **Newsom**, S. Belmecheri, B. Culleton, and J.W. Williams (2014). Vegetation and *Mammuthus primigenius* extinction history on St Paul Island, Alaska. American Geophysical Union (AGU), Fall meeting abstracts. <https://agu.confex.com/agu/fm14/preliminaryview.cgi/Paper11756>.

Törnqvist T.E., J.L. González, L.A. **Newsom**, K. Van der Borg, and A.F.M. De Jong (2003). Reconciling Holocene Sea-level History on the US Gulf Coast: Is the Mississippi Delta the Rosetta Stone? XVI *INQUA Congress Abstracts* #93-21, p. 242.

Newsom, L.A. (1999). Archaeological wood: questions, problems, new directions. *IAWA Journal* 20(2):109.

Webb S.D., and L. **Newsom** (1991). Diet of *Mammuthus americanum* in Late Pleistocene of Florida. *Journal of Vertebrate Paleontology Abstracts* 11(3):60 supp.

Chapters

Gifford, J.A., S.H. Koski, L. **Newsom**, L. Milideo, and E. Reinhardt (2017). Little Salt Spring: Excavations on the 27-Meter Ledge, 2008-2011. Chapter 4 in *The Archaeology of Underwater Caves*, P.B. Campbell, ed. Highfield Press Southampton, Chandlers Ford, UK.

Newsom, L.A. (2015) Wood Selection and Technology in Structures 1 and 5, pp. 150-232 in *The Limits of Empire: Colonialism and Household Practice at the Berry Site, 1567-1568*, edited by R. Beck, D. Moore, and C. Rodning. University Presses of Florida.

Newsom L.A. (2014) Environmental Archaeology. Pp. 143-150 in *Encyclopedia of Caribbean Archaeology*, edited by B. Reid and G. Gilmore. University Press of Florida, Gainesville.

Newsom L.A., and C.M. Scarry (2013). Homegardens and Mangrove Swamps: Pineland Archaeobotanical Research. Pp. 253-304 in *The Archaeology of Pineland: a Coastal Southwest Florida Village Complex, A.D. 100-1600*, K. Walker and W. Marquardt (eds.). Inst. of Archaeology & Paleoenvironmental Studies Monograph 3, FlaMNH.

Newsom L.A., R. Brown, and W. Natt (2013). Pineland Cordage and Modified Wood: Material-Technological Aspects of Plant use. Pp. 585-620 in *The Archaeology of Pineland: a Coastal Southwest Florida Village Complex, A.D. 100-1600*, K. Walker and W.H. Marquardt (eds.). Inst. of Archaeology & Paleoenvironmental Studies, Monograph 3. FlaMNH.

Newsom L.A., and D.A. Trieu (2011). Fusion gardens: Native North America and the Columbian Exchange. Pp. 557-576 in *Subsistence Economies of Indigenous North American Societies: A Handbook*, B.D. Smith (ed.). Rowman and Littlefield Publishing Group, Lanham, MD.

Newsom L.A. (2010). Paleoethnobotanical Research at Tibes. Pp. 80-114 in *Tibes: People, Power, and Ritual at the Center of the Cosmos* (A. Curet, ed.). The University of Alabama Press, Tuscaloosa.

Newsom L.A. (2010). Caribbean Maize: First Farmers to Columbus. Chapter 10 in *Histories of Maize in Mesoamerica: Multidisciplinary Approaches*. (J. Staller, R. Tykot, and B. Benz, eds.; selections reprinted from the volume *Histories of Maize*, 2006). Left Coast Press, Walnut Creek, CA.

Newsom L.A. (2008). Caribbean paleoethnobotany: Present Status and New Horizons (Evolution of an Indigenous Ethnobotany). Pp. 173-194 in *Crossing the Borders: New Methods and Techniques in the Study of Material Culture in the Caribbean* (C. Hofman, ed.). Univ. of Alabama Press, Tuscaloosa.

Reitz E.J., L.A. **Newsom**, S.J. Scudder, and C.M. Scarry (2007). Introduction to Environmental Archaeology. Pp. 3-19 in *Case Studies in Environmental Archaeology, Second Edition* (E. J. Reitz, C.M. Scarry, and S.J. Scudder (editors). Plenum Press, New York.

Newsom L.A., and D.H. Trieu (2006). Introduction and Adoption of Crops from Europe. Pp. 471-484 in *Handbook of North American Indians, Vol. 3* (D.H. Ubelaker and B.D. Smith, eds.). Smithsonian Institution, Washington, D.C.

Newsom L.A. (2006). Tubers, Fruits, and Fuel: Paleoethnobotanical Investigations of the Dynamics between Culture and the Forested Environment on Nevis, Lesser Antilles. Pp. 103-144 in *The Prehistory of Nevis: a Small Island in the Lesser Antilles*, Samuel M. Wilson (ed.). Peabody Museum of Natural History Publications, Yale University Press, New Haven, CT.

Newsom L.A. (2006). Caribbean maize: First Farmers to Columbus. Pp. 325-335 in *Histories of Maize: Multidisciplinary Approaches to the Prehistory, Biogeography, Domestication, and Evolution of Maize* (J. Staller, R. Tykot, and B. Benz, eds.). Elsevier, San Diego, CA.

Newsom L.A., and M.H. Mihlbachler (2006). Mastodons (*Mammot americanum*) diet foraging patterns based on Analysis of dung deposits. Pp. 263-331 in *First Floridians and Last Mastodons: The Page-Ladson Site in the Aucilla River* (S.D. Webb ed.). Plenum Press, New York.

Newsom L.A. (2006). Paleoenvironmental aspects of the macrophytic plant assemblage from Page-Ladson. Pp. 181-211 in *First Floridians and Last Mastodons: The Page-Ladson Site in the Aucilla River* (S.D. Webb., ed.). Plenum Press, New York.

deFrance S., and L.A. **Newsom** (2005). The status of paleoethnobiological research on Puerto Rico and adjacent islands. Pp. 122-184 in *Ancient Borinquen: Archaeology and Ethnohistory of Native Puerto Rico* (P. E. Siegel, ed.). University of Alabama Press, Tuscaloosa.

Newsom L.A., and D. Pearsall (2003). Temporal and spatial trends indicated by a survey of Archaic- and Ceramic-Age archaeobotanical data from the Caribbean islands. Pp. 347-412 in *People and Plants in Ancient Eastern North America* (P. Minnis, ed.). Smithsonian Institution Press, Washington, D.C.

Teixeira S.R., J. B. Dixon, G. N. White, and L.A. **Newsom** (2002). Charcoal in soils: a preliminary view. Pp. 819-830 in *Environmental Soil Mineralogy* (J.B. Dixon, ed.). Soil Science Society of America, Inc., Madison, Wisconsin.

Newsom L.A. (2002). The paleoethnobotany of the mortuary pond. Pp. 191-210 in *Windover: Multidisciplinary Investigations of an Early Archaic Florida Cemetery* (G. Doran, ed.). University Press of Florida, Gainesville.

Reitz E.J., L.A. **Newsom**, & S.J. Scudder (1996). Issues in Environmental Archaeology. Pp. 3-16 in *Case Studies in Environmental Archaeology* (Reitz, Newsom, & Scudder, eds.). Plenum Press, N.Y.

deFrance S.D., W.F. Keegan, and L.A. **Newsom** (1996). The archaeobotanical, bone isotope, and zooarchaeological records from Caribbean sites in comparative perspective. Pp. 289-304, *Case Studies in Environmental Archaeology* (E.J. Reitz, L.A. Newsom, and S.J. Scudder, eds.). Plenum Press, N.Y.

Newsom L.A., and K.A. Deagan (1994). *Zea mays* in the West Indies: the archaeological and early historic record. Pp. 203-217 in *Corn and Culture in the Prehistoric New World* (C.A. Hastorf and S. Johannessen, eds.). Westview Press, Boulder, Co.

Newsom, L.A. (1993). Plants and people: cultural, biological, and ecological responses to wood exploitation. Pp. 115-137 in *Foraging and Farming in the Eastern Woodlands* (C.M. Scarry, ed.), Univ. Presses of Florida, Gainesville.

Scarry C.M., and L.A. **Newsom** (1992). Archaeobotanical research in the Calusa heartland. Pp. 375-401 in *Culture and Environment in the Domain of the Calusa* (W.H. Marquardt, ed.). Inst. Archaeology & Paleoenvironmental Studies Monograph 1, Fl. Museum N.H., Gainesville.

Newsom L.A., and I. Quitmyer (1991). Archaeobotanical and faunal remains from Fig Springs Mission (8Co1). Pp. 206-233 in *Excavations on the Franciscan Frontier: Fig Springs Mission* (B. Weisman, ed.) Univ. Presses of Florida, Gainesville.

Chapters Non-peer Reviewed (Caribbean regional publications)

Newsom L.A., and B. Bérard (2013). Les recherches paléo-ethno-botaniques dans les Antilles et les premières données paléobotaniques concernant l'occupation précolombienne de la Martinique. Pp.175-190 in *Martinique, Terre Amérindienne, un Approche Pluridisciplinaire*, edited by B. Bérard, Conservateur régional de l'archéologie, Martinique. Sidestone Press, Leiden, Netherlands.

Newsom L.A., and L.A. Curet (2003). Biodiversity and Natural Capital: Toward Understanding the Ecological Economics of the Tibes Archaeological Site. *Proceedings of the XIX International Congress for Caribbean Archaeology (Museum Arqueological Aruba, Volume 9) 1:156-167*, Oranjestad.

Curet L.A., L.A. **Newsom**, and D. Welch (2003). Space and Time in the Civic-ceremonial Center of Tibes, Ponce, Puerto Rico. *Proceedings of the XIX International Congress for Caribbean Archaeology (Museum Arqueological Aruba, Volume 9) 1:142-155*, Oranjestad.

Newsom L.A. (2000). Archaeological wood remains from the Heywoods (Port St. Charles) and Hillcrest Sites, Barbados. Pp. 162-167 in *Prehistoric Settlements in the Caribbean: Fieldwork in Barbados, Tortola, and the Cayman Islands* (P. Drewett, ed.). Archetype Pubs, Ltd., London.

Newsom L.A., and J. Molengraaff (1999). Paleoethnobotanical analysis of Ceramic Age deposits from Hope Estate, St. Martin. Pp. 229-247 in *The Archaeology of Hope Estate, St. Martin/St. Maarten* (C. Hofman and M. Hoogland, eds.). Institute for Prehistory, Leiden University, Leiden, The Netherlands.

Oliver J., J. A. Rivera Fontán, and L. A. **Newsom** (1999). Arqueología del Barrio Caguana, Puerto Rico: resultados preliminares de las temporadas 1996-1997. Pp. 7-26 in *Trabajos de Investigación Arqueológica en Puerto Rico* (J. A. Rivera Fontán, ed.). Publicación Ocasional de la División de Arqueología, Instituto de Cultura Puertorriqueña, Puerto Rico.

Newsom L.A. (1998). Mangroves and Root Crops: Archaeobotanical Record from En Bas Saline, Haiti. Pp. 52-66 in *Proceedings of the 16th International Congress for Caribbean Archaeology* (G. Richard, ed.). Conseil Regional de la Guadeloupe, Basse Terre.

Newsom L.A. (1997). Carbonized wood from Tanki Flip, Aruba. Pp. 347-352 in *The Archaeology of Aruba: the Tanki Flip Site* (A.H. Versteeg, ed). Found. Scientific Res., Caribbean Region, Amsterdam.

Newsom L.A. (1992). Prehistoric wood exploitation at Golden Rock (GR-1): An early Saladoid site on St. Eustatius, West Indies. Pp. 213-227 in *Archaeology of St. Eustatius: The Golden Rock Site* (A.H. Versteeg, ed.). Found. Scientific Research, Caribbean Region no. 131, Amsterdam.

Newsom L.A. (1991). Paleoethnobotanical analysis of midden remains from the Wanapa Site (B-016), Bonaire, West Indies. Pp. 242-262 in *The First Bonairans* (J.B. Havisser, Jr., ed.). Reports of the Archaeological Anthropological Inst. of the Netherlands Antilles no. 10.

Keegan, W.F., A.V. Stokes, and L.A. **Newsom** (compilers) (1990). *Bullen Research Library: Bibliography of Caribbean Archaeology, Volume 1*. Florida Museum of Natural History, Gainesville.

Newsom L.A. (1985). Wood artifacts. Pp. 140-155 in *Archaeological site types, distribution, and preservation, Upper St. John's River Basin, Florida*, B. Eisenberg, ed. Florida Museum of Natural History, Misc. Report Series 27. Available on line at The Digital Archaeological Record, tDAR ID: 186023, <http://core.tdar.org/document/186023>.

Other Publications—Federal & State Compliance Documents

Newsom, L.A. (2017) Paleoethnobotanical analysis of the Harbour Island Marina site (8MA6A), Manatee County, Florida. Ch. 9 in R. Austin, Phase III Data Recovery, Harbour Island Marina Project, SEARCH, Inc. (searchinc.com).

Newsom L.A., M. Fraldo, and J. Gifford (2013). *Inventory of the Native American Human Remains in the Possession or Control of the University of Miami, Florida, that are Considered to be Culturally*

Unidentifiable. US NPS, NAGPRA Office (17 pp.). Culturally Unidentifiable Native American Inventory Database, available on line at http://grants.cr.nps.gov/CUI/generate_Institution_report.cfm.

Newsom, L.A., and J. Talcott (2012). Paleoethnobotanical insights into Archaic Period Settlement at Salt Springs (8MR2322), Ocala National Forest, Florida. Report to the US Forest Service and the NPS Southeastern Archaeological Center (SEAC), Tallahassee, Florida.

Austin, R.J., and J.C. Endonino, with contributions by J.A. Blakney-Bailey, L.A. **Newsom**, and B. Worthington (2011) Archaeological Data Recovery at Montverde, 8LA243: A Terminal Archaic through St. Johns II Site on Lake Apopka, Lake County, Florida. Report prepared by Southeastern Archaeological Research, Inc. for Roper Real Estate, Inc. On file, Florida Division of Historical Resources, Tallahassee. (Archaeobotanical report dated 2007).

Newsom L.A. (2010). Paleoethnobotanical analysis of Ceramic-Age deposits at site PO-29 (Jácana), municipality of Ponce, Puerto Rico. New South Associates, Inc., Stone Mountain, Georgia. Available on line at <http://newsouthassoc.com/po29-website/>.

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R. Smith et al. (2006), with **Newsom**, L.A. on wood assignments, pp. 15-16 in *Archaeological and Biological Examination of "The Mystery Wreck" (8MO143) off Vaca Key, Monroe County, Florida*. Report Submitted to the Florida Keys National Marine Sanctuary. Available on line at http://www.flheritage.com/archaeology/underwater/docs/mystery_wreck_final_report.pdf.

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Rich F.A., and L.A. **Newsom** (2002). The palynological composition of samples from the Naval Security Group Activity Northwest Archaeological Sites. In *Paleoethnobotanical Investigation of Portions of the Great Dismal Swamp Within the Jurisdiction of the Naval Security Group Activity Northwest, Chesapeake, Virginia*, by N.A. Parrish and T.R. Sara. Misc. Reports of Investigations No. 240, Dept. of the Navy, Atlantic Division, Naval Facilities Engineering Command, Norfolk, Virginia.

Newsom, L.A. (1997, 2001) Archaeobotanical analyses of sites NCS-1 (Finca Valencia) and NCS-4 (La Trocha), Superaqueduct Project. C. Solis, Law Environmental Caribe, San Juan, Puerto Rico, US DOT. See Puerto Rico Aqueduct & Sewer Authority (1996) Proyecto del superacueducto de la costa norte: declaración de impacto ambiental final (DIA-F), La Autoridad, San Juan.

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Newsom L.A., and L. Ruggiero (1998). Archaeobotany. Chapter 8 in M. Hargrave, C.R. McGimsey, M.J. Wagner, L.A. Newsom, L. Ruggiero, E. Breitburg, and L. Norr "*The Yuchi Town Site (1RU63), Russell County, Alabama: An Assessment of the Impacts of Looting.*" U.S. Army COE, CERL Special Report 98/48, Champaign, Illinois.

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Newsom, L.A. (1995, 1992) Archaeobotanical analyses of feature deposits from Barrazas Site, Carolina, Puerto Rico. M. Melendez Inc., the Municipio de Carolina, Puerto Rico.

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Russo M., M., J.R. Ballo, R.J. Austin, L. **Newsom**, S. Scudder, and V. Rowland (1989). *Phase II Archaeological Excavations at the Riverbend Site (8Vo2567), Volusia County, Florida*. Piper Archaeological Research Inc., submitted to Charles E. Burkett & Associates, Daytona Beach, FL. Available at The Digital Archaeological Record (tDAR ID:186088), <http://core.tdar.org/document/186088>.

Russo, M., A. Cordell, L. **Newsom**, and R. Austin (1989). Phase III Archaeological Excavations at Edgewater Landing (8Vo115), Volusia County, Florida, by Available at The Digital Archaeological Record (tDAR ID: 186068), <http://core.tdar.org/document/186068>

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Newsom L.A. (1987). Analysis of wood charcoal from site PO-21, Cerrillos River, Puerto Rico. Appendix C in *Data Recovery Excavations at Site PO-21, Cerrillos River Valley, Puerto Rico*. Garrow & Associates Inc., Atlanta, Georgia, and U.S. Army COE. Report #4061254, National Archaeological Data Base, http://mudd.cast.uark.edu/gdl1_reports/nadbrepo2.generateReport.

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Investigations of the North Gate at Andersonville National Historic Site, NPS report #377728. National Archaeological Data Base, http://mudd.cast.uark.edu/gdl1_reports/nadbrepo2.generateReport.

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Book Reviews

Newsom L.A. (2003). The Renaissance of the Apocynaceae s.l.: Recent Advances in Systematics, Phylogeny, and Evolution (Proceedings of the 16th International Botanical Congress, 2001; *Annals of the Missouri Botanical Garden* 89[4]:517-668). *Economic Botany* 58(1):126-127.

Newsom L.A. (2002). *Coastally Restricted Forests*, A.D. Laderman, ed. (Oxford University Press, 1998). *Economic Botany* 56(1):95-96.

Newsom L.A. (1998). *People, Plants, and Landscape: Studies in Paleoethnobotany*, K.J. Gremillion, ed. (U. Alabama Press, 1997). *The Florida Anthropologist* 51(1):49-51.

Newsom L.A. (1998). *Ireland and the Atlantic Heritage: Selected Writings of E. Estyn Evans* (Lilliput Press, Dublin, Ireland, 1996). *New Hibernia Review* 2 (2):156-157.

Newsom L.A. (1994). *Tropical Archaeobotany: Applications and New Developments*, J.G. Hather, ed. (One World Archaeology Series, Routledge, London, 1994). *Journal of the Royal Anthropological Institute (Man)*, London, New Series Volume 1(4):837-838.

Newsom L.A. (1992). *Archaeological Wood: Properties, Chemistry, and Preservation*, R.M. Rowell and R.J. Barbour, eds. (Advances in Chemistry Series 225, American Chemical Society), *Society of Archaeological Sciences Bulletin* 15(2):9-11 (April-June).

Recent Research Project Reports to Supporting Agencies

Newsom, L.A. (2016, 2017). Collaborative Research, The Role of Fuelwood Resources in the Cultural Resilience and Evolution of a Non-Egalitarian Fisher-Gatherer-Hunter Society: The Calusa of Southwest Florida. Interim reports to the National Science Foundation, NSF Award #1523271.

Graham R.L., L.A. **Newsom**, C. Hritz, S. Belmecheri (2014). *Paleoclimate, Paleoenvironment and Other Potential Drivers of Extinction of *Mammuthus primigenius*, St. Paul Island, Pribilof Islands, Alaska*. Interim report to the National Science Foundation, NSF award #1204033.

Kistler L., L. **Newsom**, J. Urbino, W. Carmenate Reyes, and C. Peña (2014). *Ecology, Conservation, and Systematics of Endemic Flora in Eastern Cuba*. Report to the Waitt Foundation, grant #2801-3.

Webster D., K. Hirth, and L. **Newsom** (2013). Chronology of El Gigante Cave, Honduras. Final project report to the National Science Foundation, award #1003431, report #10019758

Newsom L.A. (2011). Analysis of Fabric Sample from El Chorro de Maíta Burial 57. Report to the Departamento Centro Oriental de Arqueología, Centro de Investigaciones y Servicios Ambientales y Tecnológicos (CISAT), Holguín, Cuba.

Newsom L.A. (2010) Preliminary report on the analysis of archaeological wood from the Spanish compound at the Berry Site: Fort San Juan, Juan Pardo Expedition (1566-68). Interim report to the National Science Foundation (with R. Beck, D. Moore, and C. Rodning), award #0542120.

Newsom L.A., R. Graham, and T. White (2010). Report to the Florida Department of State, Division of Historical Resources on the Second Phase (2009) of The Pennsylvania State University Science

Diving/Anthropology Florida Course (ANTH/GEOSC 297A) Field Research (1A-32 Permit #0607.62). Bureau of Archaeological Research, Tallahassee.

Recent Technical Laboratory Reports

Newsom, L., A. Aydlett, K. Bodle, C. Byrd, N. Cruz, S. Dawes, E. Elliott, and A. Hudson (2017) The Lightkeeper's Dinner: Preliminary faunal analysis, St. Augustine Lighthouse (17LH). Occasional Papers, Flagler College Archaeology Lab No. 1.

Newsom, L.A. (2017). Radiocarbon wood analysis for Paleo Crossing (33ME274), Medina County, Ohio. Report submitted to M. Eren, D. Meltzer, and B. Andrews, Kent State Univ.

Sherwood, S.C., and L.A. **Newsom** (2014). Micromorphological Analysis of the Surtshellir Cave Deposits, Western Iceland. Report to K.P. Smith, Haffenreffer Museum of Anthropology, Brown Univ., for inclusion in Archaeological and Natural Scientific Investigations of Surtshellir Cave, Iceland.

Newsom L.A. (2013, 2011) Wood assignments of material recovered from Lake Huron (Lake Stanley stage). Reports to J. O'Shea, Department of Anthropology, U. Michigan.

Newsom L.A. (2012). Seed assignments for Xavier's Knoll (8BR2510), Brevard County, Florida. Report to T. Penders, Indian River Anthropological Society, Titusville, Fla.

Newsom L.A. (2011-14) Wood and fiber taxonomic assignments of samples from the 1853 wreck of the polar explorer HMS *Investigator*. Reports to L. Lafleche, Parks Canada, Ontario Service Centre, Ottawa Ontario.

Newsom L.A. (2011). Wood taxonomic assignment of crossbow bolt shafts from the Emmanuel Point II wreck (site #8ES3345UWF, project #09w). Report to J. Bratten, Univ. West Florida.

Newsom L.A. (2011). Taxonomic assessment of wood samples from Charleston Harbor, Civil War period raft (Ericsson obstruction remover). Report to J. D. Spirek, Deputy State Underwater Archaeologist, Columbia, SC.

Newsom L.A. (2010). Corolla shipwreck wood identifications. Report to M. Wilde-Ramsing, State of North Carolina Underwater Archaeology Program, Friends of the Graveyard of the Atlantic Museum.

Recent Research Honors and Awards

2016 *Cozzarelli Prize in Applied Biological, Agricultural, and Environmental Sciences* (www.pnas.org/site/misc/cozzarelliprize.xhtml), awarded to Graham et al. for "Timing and causes of mid-Holocene mammoth extinction on St. Paul Island, Alaska." *PNAS* 113(33): 9310–9314. www.pnas.org/cgi/doi/10.1073/pnas.1604903113.

2014 National Award, Cuban Academy of Sciences (Premio Nacional, La Academia de Ciencias de Cuba), 14 April 2014, El Chorro de Maita Archaeological Project; with 21 international collaborators.

2000 SIUC College of Liberal Arts, "Dean's Appreciation Award"

Recent popular media, workshops, television, films

2017 "Illuminating the Past: Q&A with Dr. Lee Newsom, by B. Stewart. Flagler College Magazine, Fall.

2017 "The Woolly Mammoth's Last Stand," by Nicholas Wade, *The New York Times*, 3/2/2017, https://www.nytimes.com/2017/03/02/science/woolly-mammoth-extinct-genetics.html?emc=eta1&_r=0

2016 "Uncovering the Secrets of Mammoth Island: The Ice Age giants of St. Paul Island outlived those on the mainland for millennia. What finally drove them to extinction?" by Jessica Marshall, *Discover*

Magazine, 10/12/2016 (on line), <http://discovermagazine.com/2016/nov/mammoth-island>

- 2016 “Islands Mammoths May Have Been Thirsty at their Extinction” by Tatiana Schlossbert, *The New York Times*, 8/1/2016, <https://www.nytimes.com/2016/08/02/science/mammoths-extinction-saint-paul-island-alaska.html?action=click&contentCollection=Science&module=RelatedCoverage®ion=EndOfArticle&pgtype=article>
- 2015 “How Gourds Survived When Even Mastodons Went Extinct” by Sindya N. Bhanoo, *The New York Times*, 11/19/2015, <http://www.nytimes.com/2015/11/18/science/how-gourds-survived-when-even-mastodons-went-extinct.html>
- 2014 “Like Columbus, it Floated Here” by Rachel Nuwer, *The New York Times*, 2/25/2014, p. D3; (on line) 2/26/14, <http://www.nytimes.com/2014/02/25/science/out-of-their-gourds-came-ours.html>
- 2013 “Hunting for Clues to Why the Last Mammoths Disappeared” by Jessica Marshall, *Discover Magazine*, 6/5/2013 (on line), <http://blogs.discovermagazine.com/fieldnotes/2013/06/05/hunting-for-clues-to-why-the-last-mammoths-disappeared/#.VIRu9EarHfd>
- 2011 Segundo Taller de Arqueología Ambiental: Preservación, Conservación y Análisis de Recursos Arqueológicos (Second Workshop in the Preservation, Conservation, and Analysis of Cuban Archaeological Resources: Environmental Archaeology), organizer & presenter, Holguín, Cuba, 20-25 June. Departamento de Arqueología, El Centro de Investigaciones y Servicios Ambientales y Tecnológicos (CISAT), Holguín, Cuba.
- 2011 “International Archaeology Event in Holguin” by Alexis Rojas Aguilera, 20 June, http://www.radioangulo.cu/en/index.php?opinion=com_content&view=article&id=10874&Itemid=61.html
- “Holguín/US scientist extols Cuba’s Archeobiology” by AIN, 22 June, <http://www.radioangulo.cu/en/news/holguin/10930-us-scientist-extols-cubas-role-in-caribbean-archeobiology.html>
- “Impresionados arqueológicos y antropólogos norteamericanos con el museum Indocubano Bani” by Alterto Santiesteban Leyva, 28 June. La Radio Cubana en la web, CMKM Radio Banes, Holguín, Cuba.
- “Lee Newsom’s Cabinet of Wonders,” Penn State Institutes of Energy and the Environment e-magazine *PSIEE Highlights*, Faculty Spotlight: 25 February. (http://www.psiee.psu.edu/research/faculty_spotlight.asp).
- 2010 "Beneath springs, an ancient world", by Martin Comas, *Orlando Sentinel*, 5 February.
- “Fort San Juan” by Chip Womick. *Our State: North Carolina*, Tar Heel History feature, June.

Recent External Research Funding

- 2018 Tomoka archaeobotany (consultant), grant to J. Endonino, Eastern Kentucky U., \$10,000.
- 2017 Archaeobotany, Harbor Island Marina (8MA1A) Phase III (consultant), SEARCH, Inc., \$3,040.
- 2016 Doctoral Dissertation Improvement Award: Effect of Sea Level Variation on Fuelwood Sustainability. Lee A. Newsom (PI) and Jennifer M. Haney, Doctoral Dissertation Candidate. National Science Foundation, award # 1636872, \$18,729.
- 2015 *Collaborative Research: The Role of Surplus Production in the Emergence of a Complex Coastal Society*. W. Marquardt and K.J. Walker (lead PIs), M. Savarese, and V.D. Thompson (co-Pis), with A. Cherkinsky, L. **Newsom**, E. Reitz, and A. Roberts Thompson (project consultants), National Science Foundation, award #1550900, \$265,281.

- 2015 *Collaborative Research: The Role of Fuelwood Resources in the Cultural Resilience and Evolution of a Non-Egalitarian Fisher-Gatherer-Hunter Society--The Calusa of Southwest Florida*. L. **Newsom** (lead PI), K.J. Walker and W.H. Marquardt (co-PIs), The National Science Foundation, BCS-Archaeology award #1523271, \$143,952.
- 2014 *"Totem" owls, otters and pelicans: ¹⁴C dating Florida's pre-Columbian sculptures*, J. Ostapkowicz, L. A. **Newsom**, R. Wheeler, F. Brock, and M. Richards. ORADS (the Oxford Radiocarbon Accelerator Dating Service), \$4,050.
- 2014 *Summer temperature variability, Drought and the Atlas Cedar: A tree-ring $\delta^{13}C$ based multi-centennial record in Northwestern Africa*. S. Belmecheri, L. **Newsom**, and M. Hurteau, Penn States Institutes of Energy and the Environment, \$24,971.
- 2013 *Paleoclimate, Paleoenvironment and Other Potential Drivers of Extinction of *Mammuthus primigenius*, St. Paul Island, Pribilof Islands, Alaska*, R. Graham, C. Hritz, L. **Newsom**, and S. Belmecheri. The National Science Foundation, award #1204033, \$487,728.
- Ecology, Conservation, and Systematics of Endemic Flora in Eastern Cuba*, L. Kistler, L. **Newsom**, J. Urbino, W. Carmenate Reyes, and C. Peña, Waitt Found., grant #2801-3, \$5,000.
- 2012 *Collaborative Research: Apalachicola Ecosystems Project*, H.T. Foster (lead-PI), R.W. Brown, and B. Pavao-Zuckerman (co-PIs), L. **Newsom** (consultant), National Science Foundation, award #1026542, \$153,611.
- 2011 *Second Workshop in the Preservation, Conservation, and Analysis of Cuban Archaeological Resources: Environmental Archaeology (Holguín, Cuba)*. L.A. **Newsom** and J. Knight, The Christopher Reynolds Foundation, \$5,000.
- Multiscalar Approach to the Study of Vegetation and Plant Use during the Neolithic Period in the Central Balkans: A Case Study from the Vinca Settlement*, K. Borojevic and P.S. Goldberg (co-PIs), with L. **Newsom** and S. Sherwood (project consultants). National Science Foundation, award #1125557, \$130,219.
- Analysis and preservation of archeobotanical remains from the Salt Springs site in the Ocala National Forest, NHPA Section 106 mitigation*, L.A. **Newsom**, The U.S. National Park Service, Addendum and extension (29 July 2011) to Task Agreement #J3992-09-0503, \$3,995.

Teaching Experience

Teaching Interests and Specialties

paleoethnobotany; environmental archaeology; human ecology; wood anatomy; law and ethics in archaeology; Caribbean and Florida.

Graduate seminars taught

Human Ecology (ANTH 559; course serves as part of the core curriculum for the Human Dimensions of Natural Resources and Environment [HDNRE] dual-title degree program), **extensively revised**

Archaeological Theory and Method (ANTH 588), **extensively revised**

Caribbean Archaeology (SUIC ANT 513), **newly developed & offered at SUIC**

Paleoethnobotany (SUIC ANT 568), **newly developed & offered at SUIC**

Domestication and its Consequences (ANTH 545) (with D. Webster) **newly developed**

Wood Anatomy (Advanced Plant Anatomy) (SIUC PLB 500; Flagler ANT 492), **newly developed**
Seminar topics (ANTH 521), 1) *Environmental Archaeology*, 2) *Archaeological Ethics and Law*.

Undergraduate courses

First Coast Archaeology (ANT 230)
Introduction to Archaeology (ANTH 002)
Freshman Seminar (ANTH 083S), two semesters: 1) "Wetsite Archaeology", **newly developed and offered**; 2) "Anthropologists in the Field"
Hunters & Gatherers (ANTH 152; ANT 340), **extensively revised**
Evolution of American Indian Culture (ANTH 423), **extensively revised**
Paleoethnobotany (ANTH 429), **newly developed, approved course proposal & offered**
Environmental Archaeology (ANTH 432; ANT 440), **newly developed, approved, & offered**
Archaeological Ethics & Law (ANTH 433), **newly developed, approved course proposal & offered**
Paleobiology & Human Ecology: Florida Case Study (co-taught with PSU EMSC faculty) (ANTH/GEOSC 297B), **newly developed & offered**
Independent studies (supervised readings and/or lab experience): various semesters, 1) Underwater Archaeology, 2) Environmental Archaeology lab, 3) Paleoethnobotany lab, 4) Wood anatomy

Recent Undergraduate advising/mentoring

PSU Schreyer Honors College, Bachelor of Philosophy Program, Faculty Advisor (4 students, 2004-2014); Second Reader (1 student, 2011). PSU McNair Scholars Program, Social Mentor (1 student, 2002-04). Co-PI, Archaeological field schools in Ponce Puerto Rico (1998-1999, *Tibes Archaeological Project*).

Recent Graduate advising/mentoring

Current Graduate Faculty Status: Regular
Number of Master's & Ph.D. Committees: 12 M.A. (4 direct supervise), 23 Ph.D. (5 direct supervise).

Recent SERVICE

Department Committees

Student Success Committee (Flagler College, 2016-2017); Matson Museum Committee (2002-10; 2012-16); Archaeologist search committee (2015-16); Environmental Archaeologist search committee (2014-15); Human Ecologist search committee (2014-15); Colloquia & Seminars Committee (2006-2007; 2010-11, chair; 2014-15); Space committee (2011-12); Environmental Anthropologist search committee (2010-11); Undergraduate Curriculum & Affairs Committee (2006-13); Search Committee F-T Lecturer, chair (2009-10).

College and University Committees and Councils

PSU Cuba Task Group (2010-2016); Human Dimensions of Natural Resources and the Environment (HDNRE) interdisciplinary dual title graduate degree program, program development committee (2006-08), Steering Committee (2008-2016); PSU Liberal Arts Leadership Institute (2009-10);

State & National Committees and Councils

Florida Archaeological Council, Griffin Award Committee (2016-2018)
Society for American Archaeology, Fryxell Award Committee (2013-2016), chair (2015-16).
Illinois Archaeological Society, Board of Directors (1996-1998), Treasurer (2000-2003).

Current Professional Associations

Int. Assn. for Environmental Archaeology Int. Association for Caribbean Archaeology
Int. Assn. of Wood Anatomists Int. Work Group for Palaeoethnobotany

Society of American Archaeology
Society of Economic Botany
Florida Anthropological Society
Illinois Archaeological Society

Society of Ethnobiology
Florida Archaeological Council
Florida Native Plant Society
American Institute of Archaeology

Recent & Current Editorships

2008-ongoing, Associate Academic Editor, *Vegetation History and Archaeobotany*, Springer-Verlag, International Work Group for Palaeoethnobotany (www.palaeoethnobotany.com).

2014, Direct Submission Editor, PNAS (www.pnascentral.org) (Sept-Oct.).

2013-2015, Co-Editor, *Journal of Ethnobiology*, Society for Ethnobiology (www.ethnobiology.org).

2011-2014, Associate Academic Editor, *PLoS ONE*, Public Library of Science (PLoS), a nonprofit organization, (<http://www.plosone.org/home.action>).

Recent Papers & Presentations at Professional Meetings (2010 & later)

2018 V.D. Thompson, A.D. Roberts-Thompson, W.H. Marquardt, K.J Walker, and L. **Newsom**. Contributed paper "Discovering San Antón de Carlos: the Sixteenth Century Spanish Buildings and Fortifications of Mound Key, Capital of Calusa." Annual meeting, Society for Historic Archaeology, New Orleans, January.

2016 Islands as gardens: plant translocations by Caribbean Indians as a dynamic and multiscalar form of cultural niche construction. Invited paper in symposium "Caribbean Environmental Archaeology: New Perspectives on Human Ecodynamics and Social Relations," C.M. Giovas, J.E. Laffoon, and M.J. LeFebvre, organizers. Annual meeting, Society for American Archaeology, Orlando, April.

2016 Walker, K.J., W.H. Marquardt, L.A. **Newsom**, and M.R. Clark. The Pineland Site Complex: A Southwest Florida Coastal Wetland. Invited paper presented in the symposium "The Archaeology, Art, and Iconography of Florida's Watery Landscapes," R. Wheeler and J. Ostapkowicz, organizers. Annual meeting of the Society for American Archaeology, Orlando, April.

2016 Ostapkowicz, J., R. Wheeler, L. **Newsom**, F. Brock, C. Snoeck, and R. Schulting, "Totem' owls, otters and pelicans: 14C dating northern Florida's prehistoric sculptures," invited paper presented in the symposium "The Archaeology, Art, and Iconography of Florida's Watery Landscapes," R. Wheeler and J. Ostapkowicz, organizers. Annual meeting of the Society for American Archaeology, Orlando, April.

2016 Invited Discussant for the symposium "The Archaeology, Art, and Iconography of Florida's Watery Landscapes," R. Wheeler and J. Ostapkowicz, organizers. Annual meeting of the Society for American Archaeology, Orlando, April.

2015 Wang, Y., S. Belmecheri, B.J. Culleton, P. D. Heintzman, K. Choy, L. Davies, D. Froese, C. Hritz, L. **Newsom**, R. Rawcliffe, E. Saulnier-Talbot, B. Shapiro, J.W. Williams, M.J. Wooller, and R. Graham. Timing and trajectory of mammoth extinction on St. Paul Island, Alaska based on coprophilous spores, aDNA, and 14C bone dates. International Union for Quaternary Science (INQUA) annual meeting, San Francisco, December.

2015 -and T. Foster. Paleoethnobotanical Results from 1RU27, Russell County, Alabama: Insights into Foodways and Environmental Circumstances. Invited paper presented in symposium "The Origins of the Creek Confederacy: A decade of research at Apalachicola," 72nd Annual Meeting, Southeastern Archaeological Conference, Nashville, November.

- 2015 Thompson, V., W. Marquardt, A. Cherkinsky, A. Roberts Thompson, K. Walker, L. **Newsom**, The Geochronology of Mound Key: an Anthropogenic Island in Southwest Florida, USA. European Association of Archaeologists, 21st annual meeting, Glasgow, September.
- 2015 Peña, C., E. Córdova, L. Newsom, N. Navarro, S. Sigarreta , and G. Begué, Distribution and abundance of Giant kingbird (*Tyrannus cubensis*) in eastern Cuba. 20th International Meeting of Birds Caribbean 25 - 29 July, Kingston, Jamaica.
- 2015 -and L. Pérez Iglesias. Ancient Caribbean plant and animal translocations: cultural, biogeographic and biodiversity legacy. Invited presentation, SAA symposium, "Islands and Invasives: The Archaeology of Plant and Animal Translocations," Session Organizers: Courtney Hofman (University of Maryland and Smithsonian Institution) and Catherine West (Boston University). Society for American Archaeology annual meeting, San Francisco, April.
- 2014 Thompson, V.D., W.H. Marquardt, K.J. Walker, A.D. Roberts Thompson, and L.A. **Newsom**. In the shadow of the king's house: exploring Calusa and Spanish architecture at Mound Key. Southeastern Archaeological Conference, Columbia, S.C., October.
- 2014 Wang Y., L. **Newsom**, S. Belmecheri, B. Culleton, and J.W. Williams. Vegetation and *Mammuthus primigenius* extinction history on St Paul Island, Alaska. American Geophysical Union (AGU) Fall meeting, poster, session "Understanding Uncertainties in Paleoclimate and Paleoecology: Age Models, Proxy Processes, and Beyond I Posters," San Francisco, 15-19 December.
- 2014 Foster, T., B. Pavao-Zucherman, R. Brown, **L. Newsom**, and Markus Dotterweich. Resilience of Coupled Human-Ecosystems at a Wetland Site in the Southeastern United States. Poster presented at the conference "Culture, Climate and Environment Interactions at Prehistoric Wetland Sites," Int. Geosphere-Biosphere Program (IGBP) & Swiss Academy of Sciences, Bern, Switzerland, June 11-14.
- 2014 Kistler, L., L.A. **Newsom**, and G.H. Perry. A plastid genome phylogeny of the *Cucurbita* gourds and squashes, with implications for domestication and ancient biogeography. Paper presented at the Joint Annual Meeting of the Society of Ethnobiology and the Society of Economic Botany, Cherokee, North Carolina, May 2014.
- 2013 Kistler, L., L.A. **Newsom**, B.D. Smith, and B. Shapiro. Bottle gourds in the Americas: new ancient DNA evidence points to African origins and independent domestication. Paper presented at the 78th Annual Meeting of the Society for American Archaeology, April 2013.
- 2013 Dunbar, J.S., J.A. Gifford, L.A. **Newsom**, and S.H. Koski. Archaeological visibility and the case for population dispersion and cultural adaptation around expanding wetlands in Florida between 9,000-8,000 14C BP. Paper presented, Ann. Meeting Florida Anthropological Society, St. Augustine (May).
- 2013 Winter, J., and L.A. **Newsom**. Wooden bowl from San Salvador, Bahamas. Paper presented at XXX Congress, International Association of Caribbean Archaeology, Santo Domingo, D.R. (July).
- 2013 Shimada, I., B. Winsborough, L.A. **Newsom**, J. Jones, R. Segura, K.B. Anderson, P. Kaelin. Asimilando y plasmando la naturaleza: vision multidisciplinaria de los contextos y procesos de desarrollo del sitio de Pachacamac, Peru. Invited paper presented at the symposium "15,000 years of climate and humans in the central Andes: archaeological and paleoclimatological approaches, VIII International Archaeology Symposium, Lima, Peru (22-24 August).
- 2012 Gifford, J., S. Koski, L. **Newsom**, and L. Milideo. Excavations on the Little Salt Spring (8SO18) 27-meter ledge stratigraphy, 2008-2011. Paper presented at the 77th Annual Meeting of the Society of American Archaeology, Memphis, Tennessee.

2012 Rich, F., L. **Newsom**, and R. K. Vance. Radiocarbon dates and the genesis of phytogenic near-shore sediments on St. Catherine's Island, Georgia. Paper presented at the Annual Meeting of the Geological Society of America, Charlotte, North Carolina, 4-7 November.

2011 Kistler, L., J.M. Haney, and L. **Newsom**. Experimental Investigation of Pathogenic Stress on Phytolith Formation in Wild Gourds (*Cucurbita pepo* ssp. *ovifera* var. *texana*). Paper presented at the 34th Annual Society of Ethnobiology conference, 'Historical and Archaeological Perspectives in Ethnobiology', Columbus, Ohio.

2010 –and S. Sherwood. Rafters to floor, timber to bits: plant macro-microdebris and sediment micromorphological analysis of two burned buildings from Joara, Fort San Juan (the Berry Site). Invited paper, session "Joara and Fort San Juan: Colonialism and Household Practice at the Berry Site, North Carolina." Annual meeting of the Society for American Archaeology, St. Louis, Missouri.

2010 Koski, S.H., L. **Newsom**, and J.A. Gifford. Analysis of Two Middle Archaic Compound Artifacts from the Lower Basin of Little Salt Spring (8SO18), Sarasota County, Florida. Florida Anthropological Society, Ft. Myers, May 7-9.

2010 Walker, K., W. Marquardt, S. Defrance, L. **Newsom**, D. Surge, and T. Wang. Coastal Southwest Florida's Archaeological Shell Middens/Mounds as Records of Human Relationships with Climate and Sea-Level Change: A.D. 1–1500. [poster] Fla. Anthropological Society, Ft. Myers, May 7-9.

2010 Walker, K., W. Marquardt, S. Defrance, L. **Newsom**, D. Surge, and T. Wang. Coastal Southwest Florida's Archaeological Shell Middens/Mounds as Records of Human Relationships with Climate and Sea-Level Change: A.D. 1 – 1500. Session #22, Climate Change, Human Response, and Zooarchaeology, International Council for Archaeozoology (ICAZ) conference, Paris, France, August (revised version of poster presented at FAS meetings; also presented at SEAC (below) in October).

2010 Neotoma workshop "Launching Phase 2 of the Neotoma Paleocommunity Database", Invited participant, plant macro remains work group. September 23-26, Madison Wisconsin.

2010 Wood selection and technology at Fort San Juan, the Berry Site Spanish compound. Invited paper, symposium "Joara and Fort San Juan: Colonial Encounters at the Berry Site, North Carolina. Southeastern Archaeological Conference, October 27-30.

Recent Public Lectures and Invited Presentations (2010 & later)

2017 "American Bog Bodies Redux," guest speaker, St. Augustine Historic Preservation Group, Marjory Keenan Rawlings house, Crescent Beach, 4 November.

2017 "Environmental Archaeological Research & the Queen Anne's Revenge," lecture to St. Augustine Lighthouse Archaeological Maritime Program (LAMP) field school, 3 July.

2017 "Last Mastodons, Last Mammoths: Life & Times of America's Latest-surviving Proboscideans." Evenings at Whitney Public Lectures, The Whitney Laboratory for Marine Science, University of Florida, St. Augustine, Florida, 18 May.

2017 "Paleoethnobotanical insights into Windover and other Florida Archaic wetland cemeteries." St. Augustine Archaeological Association, Flagler College, 21 April.

2017 "Mastodon Trail Mix: foraging behavior of the 'original forest elephant' based on Aucilla River 'digesta.'" Archaeological Institute of America, University of North Florida, 21 January.

2015 Featured speaker, lecture series "Heritage at Risk: Climate Change, Coastal Communities & Cultural Resources," Ideas & Images: Scholars & Artists in Residence program, Flagler College, St. Augustine, Florida, October.

2015 Featured speaker, "Mastodon trail mix: foraging behavior of the "original forest elephant" based on Aucilla River dung deposits. Second "First Floridians First Americans" Conference, Monticello, Florida. Sponsored by Main Street of Monticello Florida, Inc., the Monticello Chamber of Commerce and the Florida Humanities Council. October.

2015 Amazing World of Archaeological Wood, invited speaker, International Wood Collectors Society "World of Wood Conference," jointly hosted by the International Association of Wood Anatomists, Penn State, July.

2012 Featured speaker, "Florida's Ancient Ethnobotanists," "First Floridians First Americans" Conference, Monticello, Florida. Sponsored by the Monticello Chamber of Commerce and the Florida Humanities Council. October.

2011 Berry Site (Fort San Juan) Open House, Morganton, North Carolina, 26 June 2010.

2011 "Paleoethnobotanical Foundations of the Calusa Kingdom", informal lecture, open to public, Sixth Annual Calusa Heritage Day, FlaMNH Randell Research Center, Pineland, Florida, 11 March.

2011 "Paleoethnobotanical Foundations of the Calusa Kingdom", keynote scientific technical lecture, Sixth Annual Calusa Heritage Day, FlaMNH Randell Research Center, Pineland, Florida, 12 March.

2011 "On the trail of pirates", Bald Eagle Archaeological Society, 12 May.

2011 "Cuban project in Archaeobiology and Ethnobiology, PSU School of Forest Resources, 16 Sept.