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[92]

*Kančič: Indigenous Seafaring, Watercraft Diversity, and Cultural Contact in Southern Patagonia*

Human adaptation to (and building of) watery environments is a phenomenon of growing interest for archaeology and anthropology. It is an aspect that has been related to forms of economic production and the derivations of the evolution of forms of transportation and mobility in past societies. But seafaring also affected how human groups related to other ethnic groups and how they constructed their relationship with the landscape-waterscape. One main problem in the study of Indigenous seafaring is the lack of direct material evidence. For historical times, this information can be critically inferred from chronicles and travelers' accounts. This paper presents the results of the spatiotemporal analysis of 1,046 sightings of Indigenous canoes recorded in written sources from 1520 onward, in which descriptions of the canoe cultures of Southern Patagonia are recorded. We find significant diversity in Indigenous watercraft and seafaring since the eighteenth century linked to processes of cultural contact, and possible relationships with Indigenous migratory processes originating in Northern Patagonia. We analyze the introduction of new watercraft technology in the region and evaluate its impact on hunter-gatherer organizational strategies and the relationships with the waterscape of Southern Patagonia, traditionally built around the bark canoe.

Aguilar-Meléndez, Araceli [223] see Chiou, Katherine

Agurcia Fasquelle, Ricardo [234] see Traxler, Loa

**Ahern, James (University of Wyoming), Ivor Jankovic (Institute for Anthropological Research, Zagreb), Darko Komšo (Archaeological Museum of Istria), Siniša Radovic (Institute for Quaternary Geology and Paleontology) and Rory Becker (Eastern Oregon University)**  
[47]

*Insights into the Late Upper Paleolithic of the Northern Adriatic from Ljubičeva Cave, Istria*

This paper presents the results of past and recent systematic research on the late Upper Paleolithic carried out in Ljubičeva Cave near Marčana, Croatia. The first excavations of the site occurred between 2008 and 2011 and yielded late Upper Paleolithic as well as Neolithic and Bronze Age discoveries. Since 2019, systematic archaeological exploration of the site has continued as part of the Croatian Science Foundation interdisciplinary project PREHISTRIA (grant no. IP-2019-04-7821). Based on the results of the radiometric dating of part of the layers, humans used the site twice during the Pleistocene, between 13,330 and 13,120 cal BP and 16,120 and 15,670 cal BP, respectively. The dating, combined with the lithic finds, points to the Late Epigravettian period ( $\approx 17,500$ – $11,700$  cal BP). The Late Epigravettian material found includes numerous remains of Pleistocene fauna, lithic industry, traces of burning, pieces of ocher, and other findings including some fragmentary human remains. Enhancing standard archaeological approaches, geophysical, sediment DNA, ZooMS, and large-scale 3D scanning, among other techniques, are expanding our understanding of the Late Epigravettian lifeways in the Northern Adriatic.

Ahern, James [47] see Becker, Rory

Ahern, James [47] see Jankovic, Ivor

**Ahern, Kaitlin (University at Buffalo; New South Associates Inc.)**  
[9]

*Caches, Memory, and Ritual at the Maya City of Cival*

In 2013 and 2014, a series of excavations were conducted on Structure 9 at the Preclassic period center of Cival. Structure 9 is the western radial pyramid associated with the site's central E-Group complex. These excavations uncovered a series of caches, termination rituals, and deliberate destruction of architectural

# Program of the 88th Annual Meeting

March 29–April 2, 2023  
Portland, Oregon



SOCIETY FOR AMERICAN ARCHAEOLOGY

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Program of the 88th Annual Meeting  
Published by the  
Society for American Archaeology  
1990 K Street NW, Suite 401  
Washington, DC 20006 USA  
Tel: +1 (202) 789 8200  
Email: [headquarters@saa.org](mailto:headquarters@saa.org)  
Website: <https://www.saa.org>

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