

## Small-scale atlatl artifacts suggest children were taught how to use them

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Type-one atlatl grips (536816 and 536815) in the hands of the lead author (figure by the authors). Credit: *Antiquity* (2019). DOI: 10.15184/aqy.2019.172

A pair of researchers with the University of Alberta has found evidence that suggests early Native American adults taught children how to use an atlatl by making a smaller version of the dart-throwing device. In their paper published in the journal *Antiquity*, Robert Losey and Emily Hull describe the artifacts they studied from the Par-Tee burial site in Oregon and what they learned about them.

An atlatl was a device made from wood or whalebone that allowed a human to throw a dart or spear farther and with more accuracy than could be done with the hand alone, though it took much practice to become skilled in its use. The [device](#) worked by applying torque as the dart was released from the hand. It was used for both hunting and fighting other people.

Prior research has shown that the atlatl was developed thousands of years ago and used by various groups in Europe and the New World until the bow and arrow was invented. Back in the 1960s, archaeologists discovered an area along the Oregon coast that harbored thousands of artifacts in a place called the Part-Tee shell midden site. Digging unearthed a host of tools and weapons from approximately AD 100–800—among them, a large number of atlatls.

The researchers report that little study was conducted on the artifacts—they have mostly been sitting in storage. In their effort, they sifted through the trove, focusing on atlatl fragments—most that were found were broken. The researchers found that the grips of the artifacts varied in size—the largest was found to be 166 percent larger than the smallest. And the smallest were too small to have been used by adults, suggesting they had been made for children. The researchers suggest that adults trained the younger members of their group in how to use the [valuable tool](#). They note that skill in using such a [tool](#) would serve hunters and fighters well as they grew to adulthood—those most proficient at using an atlatl were likely more successful in hunting and

fighting.

**More information:** Robert J. Losey et al. Learning to use atlatls: equipment scaling and enskilment on the Oregon Coast, *Antiquity* (2019). [DOI: 10.15184/aqy.2019.172](https://doi.org/10.15184/aqy.2019.172)

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