This edition of Research Notes covers a wide area, from Nunavik, Canada, to Anchorage, Alaska. Although this is the *Alaska Journal of Anthropology*, the questions we are studying are often circumpolar in nature, so contributions from other areas are welcome. They may suggest new approaches or alert Alaska researchers to existing comparative data, which can only benefit our results.

**NUNAVIK, CANADA**

**ARCHAEOLOGICAL FIELDWORK IN NUNAVIK 2014**

Submitted by Pierre M. Desrosiers, Avataq Cultural Institute

This summer’s archaeological work in Nunavik focused on two areas. Fifty-six years after William Taylor, Elsa Cencig and Tommy Weetaluktuk (archaeologists at Avataq Cultural Institute) went back on Pujjunaq (Mansel Island), a project conducted in collaboration with members of the community of Akulivik. During three weeks of survey, they recorded over 80 new archaeological sites from Pre-Dorset to Historic, covering about one-third of the eastern coast of the island. Among the most important discoveries was a substantial Pre-Dorset campsite containing over 150 tent rings. The team also observed severe erosion on the archaeological sites located at nearby Amulet Creek, particularly two Dorset camp sites, JlGu-1 and JlGu-3, which appeared otherwise amazingly well preserved (Fig. 1). Many aspects of the island remain to be documented, such as the Hudson Bay Company trading post at the northern tip and a shipwreck located along the western coast. The work on Pujjunaq was financed by Makivik Corporation and also was part of the NUNATOP project, which documented place names in Nunavik.

The second area of research was in the region of Inukjuak, on the central eastern coast of Hudson Bay. This work consisted of salvage excavation and archaeological survey related to community expansion. The work was conducted by Pierre M. Desrosiers (Avataq Cultural Institute) and Tommy Weetaluktuk and included local students who had participated in a field school with Avataq. Krista Zawadski also briefly participated in the salvage excavation. She is a student from Rankin Inlet who was conducting research in Inukjuak, documenting the way people in different areas of the Arctic are managing their cultural resources. Despite the fact that the Inukjuak region had been extensively surveyed before, new sites are recorded almost every time that new roads or facilities are built. This summer, a total of nineteen sites from Dorset to the Historic Inuit period were recorded. One of the sites that will be protected is the IcGm-78 site; this site includes the ninety-year-old grave of Allakariallak, who was the actor who played the main character in Robert Flaherty’s 1922 movie *Nanook of the North*. Inukjuak fieldwork was financed by the Kativik Regional Government and by the Pituvik Landholding Corporation of Inukjuak.

**REFERENCES**

Taylor, W. E.


Yukon, Canada

Discovery of Mid-Third-Millennium BP Wood at Ogilvie Pass in the St. Elias Mountains of Canada

Submitted by Gerald Holdsworth, Arctic Institute of North America, University of Calgary
Terri Lacourse, Department of Biology, University of Victoria

On 11 May 2005, a site was being prepared for an automatic weather station (AWS) on the end of a rock ridge. This ridge descended from a mountain summit on the west side of Ogilvie Glacier, which descends 1,300 m in 12 km to merge into Logan Glacier flowing west along the north side of Mount Logan. The west end of the West Ridge of Mt. Logan terminates on the other side of Ogilvie Glacier opposite the AWS site (GPS coordinates 60° 37’ 07”, 140° 47’ 00”; 2,930 m asl). To the south, there is a dropoff into Quintino Sella Glacier, which flows southwest into Alaska. Thus the ridge and the surrounding snow-covered glacier ice form a pass between two snow sheds. About 5 m west of the AWS site, located in a slight depression in the ridge, two stick-sized pieces of wood were seen protruding 10 to 12 cm through a patch of gravel exposed after some large boulders had been removed for stabilizing the AWS tripod. On a later visit a third stick 1.32 m long was discovered partly protruding from a surface layer of clear ice. All sticks were lying flat and parallel to the long axis of the ridge within approximately a 1 m² area.

The site has a mean annual temperature of 13 °C with severe winter winds and there are no signs of moss or lichens on any of the rocks, which are sedimentary-metamorphic and highly fractured. There is no possibility that the wood ever grew there or was transported there by ice. Furthermore the thick end of the 1.32 m stick was splintered, as typically results from screwing a branch off a tree by hand or, in this case, likely screwing a stem out of the ground. The evidence strongly suggested the wood was placed there by human hands. On 10 June 2007, after clearing the site of snow and ice, much more than existed in 2005, a sample of the loosened stick (then protected by...
Two-and-a-half millennia ago, ancient mountainers might have expected to see the ocean on attaining the pass, just as Israel Russell (1892:199) anticipated seeing forests and rivers upon attaining what is now called “Russell Col” on the northeast flanks of Mount St. Elias in 1891: “I expected to see a comparatively low, wooded country stretching away to the north, with lakes and rivers... but I was entirely mistaken.” What he saw was “a vast snow-covered region, limitless in its expanse, through which hundreds, and perhaps thousands, of barren mountain peaks projected.”

Certain species of birds use Ogilvie Pass to access interior Alaska from the coast. (On 29 May 2006, a V-formation of white birds—possibly tundra swans—going north over Ogilvie Pass was observed from Quintino Sella Glacier.) Any human explorers on the Logan Glacier seeing this would tend to think that the coastal areas were within their exploration range.

The first author thanks Julie Cruikshank for help with researching the anthropological literature.

REFERENCES

Cruikshank, Julie

de Laguna, Frederica
1972 Under Mount Saint Elias: The History and Culture of the Yukutat Tlingit. Smithsonian Contributions to Anthropology, no. 7, Smithsonian Institution Press, Washington, DC.

Fisher, David, Erick Osterberg, Art Dyke, et al.

Foster W. W., and A. H. MacCarthy
Russell, Israel C.
1892 Mount Saint Elias Revisited. *Century Magazine*
XLIV(2):190–203.

Swanton, John R.

**ARCTIC ALASKA**

**WELL-PRESERVED WOOD BOWS DISCOVERED IN THE BROOKS RANGE**

Submitted by Adam Freeburg, National Park Service
Jeff Rasic, National Park Service
Richard VanderHoek, Alaska Office of History and Archaeology
Jillian Richie, National Park Service

In July 2014, National Park Service archaeologists discovered two bows and multiple fragments of culturally modified wood in a high pass immediately outside the boundary of Gates of the Arctic National Park. The site, AMR-00215, is located in the Schwatka Mountains, the highest and most rugged portion of northwestern Alaska, on land owned by the State of Alaska. The artifacts were collected under a permit from the State of Alaska and accessioned at the University of Alaska Museum of the North (acc. no. UA 2014-081).

The bows were located at the base of a bedrock outcrop in Shishaginivik Pass, which lies at an elevation of 3,050 feet (930 m) and separates the watersheds of the Noatak and Kobuk Rivers. The site vicinity slopes gently to an unnamed tributary of the Kogoluktuk River, which empties in the Kobuk River near the village of Kobuk (Fig. 2). The site affords excellent views downslope (to the south) of the tributary and the valley walls. The rock outcrop at the site is a conspicuous—and the only—natural shelter at the valley head. No permanent snowfields or ice patches are present today, nor seem to have been present in the recent past as indicated by well-developed lichen cover and the high degree of weathering seen on the rocky ground surface. The outcrop provides excellent protection to the north, which may be part of the reason for the remarkable preservation of the wood at this site. Additional characteristics of the Arctic alpine setting, such as low soil accumulation and cold temperatures for much of the year, also likely play a role.

An overland route across Shishaginivik Pass (*Sisiup Sisiŋuvik* [Burch 2005:286]) was in use by local Inupiat through the late nineteenth and early twentieth centuries. A travel route through this pass was reported to early
European explorers as an “easy” route between the two drainages (Smith 1913:32). While it was passable during winter, avalanche danger was high, and primary use was for summer travel (Burch 2005), although rapids on the Kogoluktuk River are noted to have complicated passage (Mendenhall 1902:26). Foote (1966, cited in Burch 2005) documents a Nuataagmiut raiding trip through this pass that ended disastrously at the falls in a lower canyon.

The two bows were found touching one another on the surface of a field of boulders and cobbles at the base of the rock outcrop (Fig. 3). The associated wooden fragments were all within a five-meter radius. The bows appear to be very similar in design and manufacture, matching closely, but not exactly, the “Western” type bow described by Murdoch (1885). Both bows have flat bellies and backs that taper toward the nock ends, though not as tapered as Murdoch’s “Southern” type. With rectangular cross sections but no evidence of recurved ears (siyahs), neither bow matches Hamilton’s (1970) Eskimo bow types. All the limbs’ edges appear to have been squared, though they are somewhat rounded from weathering. Each grip is narrower in width and thicker in depth than its adjoining limbs and is D-shaped in cross section. Only one end of one bow appears to be intact (Fig. 4). This end is squared off and has no indication of a string nock, and no string nocks were visible in any of the other collected fragments. No longitudinal groove for twisted sinew backing is evident on either bow. These characteristics may indicate that the bows were not complete but are instead staves (bow blanks) that had yet to be completed. However, not all bows ultimately received backing (Burch 2005).

The wood has been identified as a gymnosperm—probably spruce, but possibly tamarack. Sections of the artifacts that were exposed to the elements exhibit heavy lichen growth and weathering. A sample from each bow and from the largest wood fragment was submitted to the Center for Applied Isotope Studies at the University of Georgia for radiocarbon dating using the AMS method. Radiocarbon ages of each specimen have multiple intercepts on...
the calibration curve. The highest probability age range for each sample falls within the late nineteenth or early twentieth century AD, though possible ages are as early as the seventeenth century AD (Table 1). The largest wood fragment has a 3-cm scalloped cut on an edge that appears to have been made with a metal blade, providing another clue to its age. A bow discovered by National Park Service archaeologists in the Nigu River valley, approximately 80 km to the northeast of Shishakshinovik Pass, also most probably dates to the nineteenth or early twentieth century AD (Ciancibelli 2010).

Archaeological surveys conducted in Gates of the Arctic National Park during the 2014 field season focused on mountain passes connecting the upper reaches of the Noatak and Kobuk River valleys, particularly those spanning documented historic travel routes. Archaeological evidence for human activity in these areas of known use is rare. This suggests, perhaps unsurprisingly, that the nature of human activity in mountain passes was of a brief and temporary nature—travelling through, rather than remaining in place for any duration. Whether the bows found at Shishakshinovik Pass may have been cached or lost—the precise mechanism for their deposition will never be known—they represent a rare glimpse of an otherwise archaeologically invisible phenomenon.

**REFERENCES**

Bronk Ramsey, Christopher
Burch, Ernest S., Jr.

Ciancibelli, Chris

Foote, Don C.

Hamilton, T.M.

Mendenhall, Walter C.

Murdoch, John


Smith, Philip S.

**Table 1.** Radiocarbon dating results using the AMS method. All dates derived from wood samples. Radiocarbon age uses a half-life of 5568 years, corrected for isotope fractionation. Calibrated with OxCal 4.2 (Bronk Ramsey 2009) using IntCal 13 (Reimer et al. 2013); multiple intercepts are listed with corresponding probabilities.

<table>
<thead>
<tr>
<th>Specimen</th>
<th>Lab Number</th>
<th>δ¹³C (‰)</th>
<th>¹⁴C Age (years BP; 1σ)</th>
<th>2σ Calibration</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA2014-081-001</td>
<td>UGa-18838</td>
<td>−23.8</td>
<td>110 ± 20 rcybp</td>
<td>AD 1685–1733 (p = .274)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AD 1807–1896 (p = .554)</td>
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<td></td>
<td></td>
<td></td>
<td>AD 1903–1928 (p = .125)</td>
</tr>
<tr>
<td>UA2014-081-004</td>
<td>UGa-18839</td>
<td>−24.3</td>
<td>80 ± 20 rcybp</td>
<td>AD 1694–1728 (p = .248)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AD 1812–1919 (p = .706)</td>
</tr>
<tr>
<td>UA2014-081-005</td>
<td>UGa-18840</td>
<td>−24.8</td>
<td>60 ± 20 rcybp</td>
<td>AD 1696–1725 (p = .186)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AD 1814–1836 (p = .130)</td>
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<td></td>
<td></td>
<td></td>
<td>AD 1845–1851 (p = .012)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AD 1876–1919 (p = .626)</td>
</tr>
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</table>

INTERIOR ALASKA

RECENT ARCHAEOLOGICAL SURVEY AND NEW NON-CULTURAL RADIOCARBON DATES FROM THE TOKLAT RIVER, CENTRAL ALASKA

Submitted by Jake Adams, Washington State University; jsadams@wsu.edu
Nicole Kamp, University of Graz
Sam Coffman, University of Alaska Museum of the North

Recent archaeological survey along the Toklat River in Denali National Park and Preserve identified two new historic archaeological sites and shovel-tested twenty-seven high-probability localities in an attempt to locate prehistoric archaeological sites. The Toklat drainage lies to the west of the Teklanika River valley. The main river is split into two tributaries and joins to form the Toklat River at Divide Mountain (Sheldon 1930). Minimal archaeological survey has been conducted along the park road and to the mountain area overlooking the Toklat Ranger Station (Davis n.d.); however, the main drainage itself has never been surveyed. Hoffecker (1978) visited the valley as part of the North Alaska Range Early Man Project to determine the potential for “early sites.” He concluded that the Toklat River valley “does possess some potential for Pleistocene sites.” Beyond this, there has not been any additional work conducted in the area.

This project was designed to perform pedestrian survey and shovel tests at previously identified/high probability locations (Fig. 5). Our survey consisted of a four-person survey team that backpacked from the Toklat Ranger Station, along the Denali Park road, to near the confluence of Stony Creek and the West Fork of the Toklat River. Seven days were spent in the field and twenty-seven different localities were tested. These test localities
were based on GIS data and aerial photographs, taking viewshed, proximity to water, and elevation into account. To test the landforms shovel tests (50 cm x 50 cm) were placed arbitrarily to explore the archaeological potential. Over half of our subsurface shovel tests terminated at about 40 cm below the surface due to permafrost. The remaining shovel tests all terminated at glacial till.

Results of the survey were mixed. Two new historic sites were discovered: the Steep Bluff (MMK-196) and River Side Historic (MMK-197) sites. The Steep Bluff site is a historic surface scatter of large items likely associated with mining activities on a gravel spit along the Toklat River. Artifacts at the site included a creosote wooden plank with nails, a corrugated metal pipe, a small wooden plank, a large open-ended drum, a second wooden plank with nails that have rippled ends and a “P” mark on them, and lastly a small plank with a threaded spike with the markings “Jall.” This site is located approximately 8 miles north of the Toklat River Bridge on the west side of the river, along the base of large bluffs that eventually are directly cut into by the river close to where the site is located. The River Side site is a small historic scatter that included a small wooden plank with nails and a threaded spike with the marking “Jall.” The site is probably associated with the construction of the Toklat Bridge.

No prehistoric archaeological sites were located. However we were able to obtain charcoal samples and subsequent radiocarbon dates from two of our survey locations. The first of these samples came from test locality 19, located along the Toklat River. This locality consisted of a bedrock outcrop approximately 3 m in height, overlain with loess and sand deposits. Shovel testing of the landform yielded no cultural material; however, our shovel test did uncover a layer of tephra. The tephra is situated approximately 72 cm below the surface (Fig. 6). A charcoal sample (Table 2) was collected above the tephra at 70 cm below the surface and yielded a radiocarbon date of 3070 ±25 (3268–3339 cal BP at 1σ) and serves as an upper bracketing date for the tephra. No charcoal samples were

![Figure 6. Stratigraphic profile from test locality 19.](image)

Table 2. Radiocarbon dating results. Radiocarbon age using a half-life of 5,568 years, corrected for isotope fractionation. Calibrated with Calib 7.0.2 (Stuiver and Reimer 1993); multiple intercepts listed with corresponding probabilities.

<table>
<thead>
<tr>
<th>Specimen</th>
<th>Lab Number</th>
<th>Material</th>
<th>δ13C (‰)</th>
<th>14C Age (years BP)</th>
<th>2σ Calibration</th>
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</thead>
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<tr>
<td>ST-19-14</td>
<td>UGAMS-18481</td>
<td>charcoal</td>
<td>-26.5</td>
<td>3070 ± 25 RCYBP</td>
<td>3214–3358 BP (p = 1.0)</td>
</tr>
<tr>
<td>ST-1114 FS1</td>
<td>UGAMS-18482</td>
<td>charcoal</td>
<td>-25.3</td>
<td>570 ± 25 RCYBP</td>
<td>531–564 BP (p = 0.396)</td>
</tr>
</tbody>
</table>
located under the tephra. This upper date suggests this tephra may be related to the Hayes deposits (~3500–3800 cal BP) (Dilley 1988; Riehle et al. 1990). Microprobe analysis of the tephra samples are planned in the future.

The second radiocarbon date was from test locality 11, situated on a glacial feature overlooking a kettle pond. This charcoal sample was derived from an intact paleosol and was collected 40 cm below the surface (Fig. 7). The sample produced a date of $570 \pm 25$ (551–628 cal BP at 1σ). Though no cultural remains were identified at this location, the stratigraphic position of this sample and the relatively young date would indicate that there was rapid aeolian deposition in the area during this time. Environmental conditions, such as permafrost, were limiting factors in identifying prehistoric archaeological sites. The potential for prehistoric sites still exists for the area; however, our findings on this survey indicate more historic use of the valley.

REFERENCES
Davis, Craig
n.d. Unpublished archaeological field notes. On file at the National Park Service Regional Office, Anchorage, AK.

Dilley, Thomas E.

Hoffecker, John F.

Riehle, James, Peter Bowers, and Thomas Ager

Sheldon, Charles

SOUTHCENTRAL ALASKA

THE COMPLETION OF THE YES WE CAN EXHIBIT
Submitted by Igor Pasternak, University of Alaska Fairbanks Sveta Yamin-Pasternak, University of Alaska Fairbanks

During October 2014, the International Gallery of Contemporary Art in Anchorage, Alaska, hosted the exhibit Yes We Can by Igor Pasternak, Valentina Kilimnik, Sveta Yamin-Pasternak, and Ryan Tinsley. The effort is an artist-led collaboration that explores home pickling from an aesthetic perspective. The show developed in the course of an ongoing ethnographic study that focuses on social and cultural adaptations of settlers from Ukraine, Russia, and Belarus living around Delta Junction, Alaska. Residents of this emerging community usually refer to themselves as “Delta Russians.” Experienced agriculturalists from rural areas and temperate climates, they swiftly learn about cultivating vegetables in northern latitudes. They make vast winter reserves of their foraging and farming products.

During our field research we found ourselves becoming more and more enthused by the fulfillment that Delta Russians draw from various food production activities. Many of our visits involved descending into a home’s
storage space—a cellar or a basement—from which our
hosts would select a jar or two to open for the upcom-
ing meal. Upon entering these subterranean spaces we
were immediately besotted by the teeming kaleidoscope
of jars. Otherwise always fast-paced and working, coming
face-to-face with the jars, our Delta Russian hosts tend to
pause, displaying visible awe of the beauty they created.
During such contemplative moments, their facial expres-
sions resemble those of a roused gallery visitor. The goal
of Yes We Can was to extend this experience to the public.

Valentina Kilimnik, originally from the Vinnitsa re-
region in Ukraine, was our primary Delta Russian collabora-
tor. Her aesthetic decisions, coordination of efforts by other
Delta Russian contributors, and many hours of canning
resulted in the jars displayed in Yes We Can. Woodwork
artisan Ryan Tinsley of Fairbanks led the construction
of the shelves for the installation. Our research in Delta
Junction is funded through an award from the National
Science Foundation Arctic Social Sciences Program. The
University of Alaska Fairbanks Institute of Northern
Engineering provided administrative support to imple-
ment the exhibit. This body of work is testimony to the
laborious process behind the jars of homemade products,
valued by their makers for their aesthetic qualities and util-
ity. The show incorporated all formal elements of art while
celebrating the commonplace processes of growing, har-
vesting, and preserving food. It also aimed to raise funda-
mental questions of where we find beauty and what is art.

MAKING PLACE FOR THE DISPLACED IN ALASKA
ANTHROPOLOGY: RECENT STUDIES OF HOMELESSNESS
IN ALASKA POPULATIONS

Submitted by Sally Carraher, Department of
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Travis Hedwig, Institute for Circumpolar Health
Studies, University of Alaska Anchorage
Rebecca Barker, Institute for Circumpolar Health
Studies, University of Alaska Anchorage
Erica Mitchell, Institute for Circumpolar Health
Studies, University of Alaska Anchorage

Bringing anthropological approaches to bear on studies of
housing and homelessness offers an opportunity to iden-
tify some of the moral contradictions that exist within
current political economies of care and inform program
and policy with an explicit goal of eliminating homeless-
ness. Increasing numbers of anthropologists are becoming
involved in researching, and working with, those experi-
encing homelessness in Alaska. We report here on some of
these recent efforts.

The UAA Anthropology Department is currently de-
voping a long-term applied research partnership with
Bean’s Café, an Anchorage nonsectarian day shelter and
soup kitchen. Sally Carraher began working with Bean’s
Café in January of 2014, as a term project for her Applied
Anthropology course in which students conducted an in-
ternal needs assessment for Bean’s Cafe. The initial project
focused on identifying ways for Bean’s Café to improve
and expand the services they provide. Based on the initial
findings, Carraher and one graduate student are currently
working to help Bean’s Café build a referral system that
incorporates training for staff to better identify under-
reported needs and successfully connect clients with out-
side service providers. This project is using a community-
based participatory approach, in which we have developed
a planning committee bringing together researchers from
UAA, Bean’s Café staff, and some of their regular clientele.
Findings from this effort should be available by next spring.

The Institute for Circumpolar Health Studies (ICHS)
at UAA is completing a three-year evaluation of Alaska’s
Housing First program. Housing First is an evidence-
based program that provides permanent supportive hous-
ing to the most vulnerable among those who experience
homelessness, addiction and severe mental illness, with-
out preconditions of sobriety or treatment compliance.
The evaluation of Alaska’s first two project-based Housing
First sites, Karluk Manor and South Cushman, located in
Anchorage and Fairbanks respectively, looks at changes to
health, quality of life, service use patterns, social networks
and costs both prior to and after being housed. With hous-
ning retention rates greater than 80%, significant reduc-
tions in frequency and amount of alcohol consumption,
opportunities for family reconnection, and less interaction
with emergency services, Housing First represents a viable
solution to the persistent vulnerabilities associated with
street life. Results of this research will help inform future
permanent supportive housing solutions in Alaska. The
Housing First evaluation team would like to acknowledge
Dr. Richard Brown II as the original principal investiga-
tor on the project and his unpublished works based on
Karluk Manor baseline findings. These include an unpub-
lished manuscript he was writing at the time of his pass-
ing, “Development of Alcohol Consumption Measure for
Evaluation of Harm Reduction and Health Associations
in an Extreme Drinking Population” (2012).
This year’s annual Housing and Homelessness conference, sponsored by the Alaska Coalition on Housing and Homelessness, the Alaska Mental Health Trust Authority, and the Alaska Housing Finance Corporation, was held on September 29–October 1 in Juneau. With over 150 attendees, the conference included a diverse group of providers, researchers, and policy makers. The UAA College of Health has funded a cross-disciplinary research project called Space, Place, and Home: Mapping the Social Environment of Anchorage Homeless Populations, led by Troy Payne (Justice Center) and Donna Aguiniga (School of Social Work) in partnership with a researcher at Covenant House. Other recent work on place and displacement in Alaska has been shaped by Rachel Mason, Don Dumond, Peter Schweitzer, Elizabeth Mikow, Elena Khlinovskaya Rockhill, Becky Saleeby, Hannah Voorhees, Marie Lowe, Cornelia Jessen, Herbert Anungazuk, and Ernest Burch.