

A Content Analysis and Guide to the
Journal of Northwest Anthropology

50

Years of
Northwest Anthropology

Memoir 13

Deward E. Walker, Jr., Darby C. Stapp, & Amanda S. Cervantes

Fifty Years of Northwest Anthropology:
A Content Analysis and Guide to the
Journal of Northwest Anthropology

Deward E. Walker, Jr., Darby C. Stapp,
and Amanda S. Cervantes

Memoir 13

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– Foreword –

A Journal *for* Northwest Anthropology

R. Lee Lyman

University of Missouri-Columbia

The need for a regional anthropological journal in the Pacific Northwest was filled in 1967 with the initiation of publication of what was originally known as *Northwestern Anthropological Research Notes*; the title was quickly changed that same year in the second issue to *Northwest Anthropological Research Notes (NARN)*. The editors provided a long-needed service for anthropologists working in the Pacific Northwest, or northwestern North America—a formal, professional, peer-reviewed publication outlet for articles of regional interest. At the time, the *Southwestern Journal of Anthropology* provided a similarly titled high-profile outlet but its title signified the geographic region where it originated (at the University of New Mexico); it published articles with world-wide relevance. *NARN*, as it was informally but fondly referred to for years (I still think of it as such despite the name change to *Journal of Northwest Anthropology*, or *JONA*), intentionally had a much more local feel and purpose.

The journal's local feel and purpose are explicitly reflected in the publication of Volume 1, Number 1, of *NARN* in 1967, "A Preliminary Bibliography of Washington Archaeology" compiled by Roderick Sprague. That seminal issue went out of print almost immediately and was reprinted by Washington State University's Laboratory of Anthropology as its *Report of Investigations* number 43. Thirteen other bibliographies of topical relevance to anthropologists working in the northwest have subsequently been published in *NARN*'s pages. I know of no other journal—local, state, regional, or otherwise—that has that sort of dedication to getting the word out about locally relevant, available literature (published or unpublished, professional or avocational or journalistic). Of course with today's highly sophisticated web-based search engines, the need for such hard-copy bibliographies has dropped significantly. That most assuredly does not mean such a regionally focused journal is not necessary; witness the long-standing publication of *Plains Anthropologist* (originally *Plains Archaeological Conference Newsletter*, first published in 1947), a regional journal with a remarkable reputation.

I first became aware—acutely aware—of *NARN* as an undergraduate under the guidance of Frank Leonhardy. Leonhardy was senior author (with co-author David G. Rice) of arguably one of the most important and frequently cited articles published in Volume 4, Number 1 of the journal in 1970, "A Proposed Culture Typology for the Lower Snake River Region, Southeastern Washington." Under Leonhardy's gaze, I knew I had to memorize the cultural history phase and projectile point typology in order to grasp what was going on in Leonhardy's mind regarding local (southeastern Washington state) prehistory. This was during the first archaeological field school I attended in the summer of 1972 on the bank of the Snake River about eight miles west (downstream) of Clarkston, Washington (and about 60 miles east of my home town). Leonhardy and Rice (1970) was cited in Jesse Jennings's 1974 second edition of *Prehistory of North America*, gaining exposure for the Northwest and the journal. It was also cited in Sarah W. Neusius and G. Timothy Gross's 2007 text *Seeking Our Past: An Introduction to North American Archaeology*. Such citations indicate lasting power with respect to providing keystone data for textbooks from which new generations of anthropologists learn. When I did some fieldwork in southeastern Washington in 2013, I found myself yet again consulting Leonhardy and Rice's article.

In my view, the editors have never lost sight of the journal's purpose. A noteworthy hallmark or symptom of the local (some might say parochial) flavor of *JONA* has been the publication of abstracts of presentations at the annual Northwest Anthropological Conference. That certainly helps many of us keep up with current research, but I do wish more of the presented papers were published in *JONA*, *Washington Archaeology*, *Idaho Archaeologist*, *Northwest Science*, or some other local outlet. Abstracts are too often like a single swallow of tepid fresh water after a day walking across a

scorching desert without a canteen. I would almost rather remain thirsty than be tantalized and told about what I am missing. In an effort to increase the number of submissions, current co-editor Darby Stapp pointed out in his 2009 editorial in the journal (#441, *Appendix A*) that unpublished research does not exist in the research world. I agree.

I would be remiss to not mention what can truly be interpreted as an icon of the northwestern regional focus of the journal. *JONA* is in rarefied company—if not alone—because the editors have published serious papers on Sasquatch or Bigfoot, and not just by the late Grover Krantz, a Washington State University professor of biological anthropology whose professional status likely suffered because he suggested the creature might actually exist both in the pages of the journal and in his 1992 book *Big Footprints* (Johnson Books, Boulder, CO; revised edition 1999, *Bigfoot Sasquatch Evidence*, Hancock House, Surrey, BC). *NARN* editors noted in an early editorial (#34, *Appendix A*) that they would be happy to consider “any reasonably scientific paper dealing with the Sasquatch phenomenon.” Publication of this memoir means that knowledge of the original articles on this otherwise rarely discussed topic will gain more widespread publicity. Any scientist with an open mind can read Krantz’s functional-anatomy explanations of the over-size footprints attributed to an eight-foot-tall, 800-pound bipedal hominoid and ponder “What if.....?” (Or, perhaps more realistically, “Holy Shit!”) The only other professional journal in the Pacific Northwest I know to have printed a serious study (and only one) on the Sasquatch phenomenon is *Northwest Science*, published through Washington State University Press by the Northwest Scientific Association (see Bodley, John H. 1988. Sasquatch Footprints: Can Dermal Ridges be Faked? *Northwest Science*, 62:129–130). I commend the editors of *NARN* for their open-mindedness; that is refreshing in this time of often rather stilted, terse, formulaic scientific papers.

A perhaps less region-specific aspect of *JONA* is its truly four-field take on anthropology. The journal has published items on sociocultural anthropology, physical anthropology, linguistic anthropology, and anthropological archaeology. Further, the journal has included both substantive case studies on various topics, applied studies, and method and theory papers as well. Authors whose names grace the by-lines of articles published in the pages of the journal include many of the luminaries of northwest anthropology; these individuals are identified in the content analysis and guide to *JONA*, so I won’t name them here. All of these things—representation of all four fields of anthropology, depth and breadth of coverage, authorship—make for a significant impression of what is occasionally seen by those outside the area as merely a regional journal. Well, not all research worthy of publication is also worthy of the pages of *Science*, *American Anthropologist*, or *American Antiquity*. *JONA* fulfills, just as it was originally intended, a major function.

I titled this Foreword “A Journal for Northwest Anthropology.” In immediately preceding paragraphs I have implied an aspect that makes *JONA* a regional journal—data largely derive from local sources, that is, the northwestern portion of the North America. What about a region-specific anthropological paradigm? In my view, there seem to be at least a few non-northwestern regional research paradigms in Thomas Kuhn’s (1962, *The Structure of Scientific Revolutions*, University of Chicago Press) original sense, at least in zooarchaeology. By this I mean that within a particular region, nearly everyone working in that particular geographic area tends to ask the same research questions, collect and analyze data in more or less the same way, and interpret their research findings according to the same models and theories. Perhaps my perception is a function of what I have read, but I do have a hypothesis as to why my perception may be accurate. Region-specific research traditions seem to develop when students trained in a particular paradigm are employed within the region where they were trained and their advisor works. That perpetuates the region-specific paradigm in its home region. If the majority of students move to other regions, or if students trained in other region-specific paradigms move in, then the region under scrutiny has little chance of developing a region-specific paradigm. Given the plethora of paradigms in anthropology these days, I find it a good thing that, so far as I can discern (but I have not looked very thoroughly), there is no northwest region-specific anthropological paradigm. Were there, I suspect we would see some evidence of it in *JONA*. I do not

perceive such in the pages of the journal.

I take it as an honor to publish in what is today known as the *Journal of Northwest Anthropology*. It means both my thoughts and my grammar can occasionally pass muster among some of my peers and the journal editors. Manuscripts I have submitted to *NARN/JONA*—and I have submitted to both—have been rejected—by both. Although it is true that *JONA* does not have the impact factor or citation tallies of *American Anthropologist* or *American Antiquity*, that is not what it exists for, nor why it, like many other journals, was created. I typically read all the abstracts and at least a couple articles in every issue of *JONA* because of my research interests. Given my regional interests, I do not always read much of anything other than the article titles, an occasional abstract, and the list of books reviewed in *American Antiquity*. Today, as was the case in 1972 when Leonhardy mentioned I ought to take a look at his and Rice's cultural chronology for the Lower Snake River, when I want to learn about northwest anthropology, reading *JONA* is still a marvelous way to do just that. One does not need to hope such will be the case 50 years down the road; it is clear that *JONA* will continue to serve anthropologists working in northwestern North America.

And that is a very good thing.

– Foreword –

Celebrating Five Decades of Publication

Larry Campbell
Swinomish Tribe

As this memoir of the *Journal of Northwest Anthropology* comes to your mailbox, it provides a time of reflection and thought of what has been accomplished in the last 50 years. Just as important, it provides an opportunity to take a look at possible new directions for the journal.

My name is Larry Campbell, tribal member of the Swinomish Indian Tribal Community and the Tribal Historic Preservation Officer (THPO) for approximately 15 years. I have known Darby and Julie for a long time and over the past 10 years we have become good friends. When Darby asked me to write a foreword for this memoir, I said yes. I have been a subscriber to the journal for a number of years and have benefited personally and professionally from reading the articles. I also attend the annual Northwest Anthropological Conference on a regular basis and have gotten to know many of the archaeologists and anthropologists who work in the Pacific Northwest. I have seen how people's minds and hearts are changing in the ways we work with one another.

I am an historian by nature. When I first took a look at *JONA*, I saw things that were interesting and helpful to me personally and professionally. At first I was drawn to the articles that focused on history and historical data and glossed over the archaeological information, mainly because it wasn't easy for me to understand. It was too technical. But, I learned rather quickly if you don't have a basic archaeological knowledge, you cannot participate in discussions with the very archaeologists who are hired to help the Tribal communities protect Tribal cultural resources. I was not able to move forward and help find solutions to the problems facing us.

I find new information fascinating, which has helped me read above my knowledge level. So, I began to challenge myself and read the highly technical articles and found them interesting and important. I have been fortunate to know archaeologists who have helped me understand archaeological terms and concepts. The more I learn, the more I know how much I don't know. It keeps me going.

I use the articles in *JONA* to form the questions I have about the work I'm doing. What I learn from the journal I take to the Elders in the form of questions. Oral history is buried pretty deep and unless you know the questions to ask, you don't get the answers you seek. The information in *JONA* provides "food for thought" to take back to the Tribal Community.

As I step into a new project at work, I know we have to be cognizant of the goals on both sides of the table, the archaeological goals and the cultural goals of the community. We have to understand there will be two opposing styles of communication. Neither side can put up barriers or nothing will move forward. We, as Tribal members, must be able to communicate with project staff and their archaeologists.

The Swinomish, like many other small tribes, has a cultural resources office of just one person. Many of us do not have an archaeologist or anthropologist on staff. This makes it difficult for small tribes to fully understand the valuable archaeological information accessible in *JONA*, so I offer the following recommendations as we proceed into the next 50 years.

Being reminded that the work has to continue everyday gives a purpose to a journal like *JONA*. It can provide the bridge between the two communities of opposing styles of communication. With that in mind, I propose a challenge to the editors of *JONA*.

I would like to see one article per year written in layman's terms in order to attract the non-archaeological community. It doesn't matter who writes the article, but a solicited article from a Tribal staff member would be impactful.

Another thing that would be beneficial is to produce a dictionary of Northwest archaeolog-

ical and anthropological terms, one specific to both East and West sides, Native and non-Native, and generational. It could be part of the Memoir Series. This would help Tribal Communities and other professionals from non-archaeological backgrounds by strengthening the base for successful communication.

I know these suggestions will take time and a great deal of effort from many people, but I know they can do it. In the last three years, *JONA* has changed from being a printed copy journal to a fully electronic, searchable research tool for all subscribers. That took a lot of effort too, but they got it done, and now we have all 50 years of articles at our finger tips. This is remarkable.

– Preface –

Deward E. Walker, Jr.
Professor Emeritus

University of Colorado Departments of Anthropology and Ethic Studies

We are proud as we embark upon our 51st year of editing and publishing the *Journal Of Northwest Anthropology*. This is a good time and place to explain how the journal all came about.

In 1966, while an Assistant Professor of Anthropology at Washington State University (WSU) in Pullman, Washington, I was approached by Dean Boyd Martin and President Ernest Hartung of the University of Idaho (U of I), who were interested in forming an anthropology department at the U of I. This was an exciting period for anthropology; and the social sciences in general. Anthropology departments were increasing in number and size, more anthropologists were getting PhDs, and funding for anthropological research was on the rise. I accepted their offer in 1967, becoming the first Chair of the Department of Anthropology, Sociology, and Social Work. My acceptance reflected a long-term desire to break loose from the almost-complete dominance by archaeology of the anthropology department at WSU.

It was also 1967 when we began publishing *NARN*. Founding the journal was a step I saw as integral to building a strong anthropology department at the U of I. I also believed we also needed to establish a laboratory of anthropology with an MA degree in addition to the program itself, which we achieved during 1967 and 1969.

Perhaps most important in the early development of the department and journal was my hiring of Rick Sprague from WSU that first year. Together we were anxious to overcome the growing impact of contract archaeology on anthropological research and theory in the Pacific Northwest. We saw the journal as important because we could bring an emphasis to more academic and less contract research in Pacific Northwest and Plateau research. We saw a need for a broader theoretical and methodological publication rather than the contract archaeology that was so over-represented in the publications of the time at Oregon, Idaho State University, the University of Washington, and other institutions.

One of my early highlights was working with Sol Tax (University of Chicago) to organize a symposium on tribal fishing rights at the 1968 American Anthropological Association annual meeting in Seattle. The panel, composed of anthropologists, fisheries biologists, and attorneys, focused on the struggles of Pacific Northwest Tribes against state agencies to retain their hunting and fishing rights. In particular, the panel focused on a recent decision of the Supreme Court concerning the case of the Puyallup Tribe against the Washington Department of Game. We published the transcript from the session in Volume 2, Number 2 (#10, *Appendix A*), thus beginning *NARN* and *JONA*'s longstanding tradition of publishing and encouraging research for the benefit of the Indian people. Over the years we have secured tribal reviews by such figures as Ron Halfmoon, Virginia Beavert, Antone Minthorn, Allen Slickpoo, and others, of various manuscripts, reflecting our commitment to tribal input from the very beginning of the journal in 1967, including especially various articles on treaties, hunting, and fishing, and other academically and legally significant research, some of which have become important in the legal struggles of Northwest tribes.

Another early personal highlight was my application of Fred Voget's stages of acculturation, in which there are discussed methods of studying acculturation in the Plateau (#37, *Appendix A*). We followed this in 1971 with a special issue on the North American Native American reservation communities (#39-46, *Appendix A*). These early works helped stimulate a number of later articles that we published on conflict as an engine of cultural change, which is evident in publications by various authors.

In 1969, I moved from the U of I to the University of Colorado; President Hartung had refused to honor commitments he had made, which I believed were necessary to build the strong

program I had in mind. My assignment of the journal to Rick as managing editor did not eliminate my responsibility and involvement with the journal. I continued to work with him in several ways including reviewing manuscripts, locating and securing manuscripts for the journal, and seeking funding for the journal. I also continued to conduct research throughout the Pacific Northwest and adjacent areas. Our formative planning of the Plateau volume of the *Handbook of North American Indians* (1998, Smithsonian Institution) grew out of our combined cooperative development of the U of I program in anthropology.

By the turn of the century, it was becoming apparent that our journal name, *Northwest Anthropological Research Notes*, did not adequately suggest the true nature of our publication. People increasingly seemed to think the name reflected more of an in-house research newsletter than the regional professional journal with national and international distribution that it had become. After consulting with associate editors and colleagues, we decided that the *Journal of Northwest Anthropology* would best reflect what the journal had become, and the new name appeared in 2002 with publication of Volume 36.

In 2004, we asked Darby Stapp, a former student of Rick's, to join our JONA editorial team as Corresponding Editor, responsible for finding and working with peer reviewers for submitted manuscripts. Five year's later, as Rick sought to reduce his work load, we asked Darby to take on the expanded role of managing co-editor. I continue to review and solicit manuscripts, and provide overall editorial guidance. Needless to say, Darby's work with potential authors to maintain a steady flow of manuscripts, his adoption of digital technology to increase exposure and access to the journal, and his revival of the Memoir Series have been key elements in the continuing success of our journal.

We look forward to another 50 years of giving voice to the rich anthropological research throughout the larger Northwest. The next 50 years will undoubtedly witness even more changes than the profound changes we've seen in the first 50 years of our journal's life. We thank you for your continuing support and guidance and look forward to new generations of contributors.

– Acknowledgments –

Many individuals and institutions have made it possible to publish *Northwest Anthropological Research Notes* and the *Journal of Northwest Anthropology* from 1967 to the present. These include the following:

- the more than 700 contributors who chose to publish their research with us; subjecting your work to anonymous peers and the demands of an editor can be a painful and frustrating process. Without those who stuck through it to see their work through to publication, there would be no journal.
- the many anonymous peer reviewers, associate editors, and colleagues who have taken time from their busy lives to assist the editors in making sure that content was as high of quality as possible.
- the many editorial and administrative support staff, including Lucille (Sam) Leonhardy, Cathy Lubben, Claire Worth, Linda Sprague, Julia Longenecker, Kara Powers, and Heather Hansen
- the institutional and financial support from Washington State University, University of Idaho, University of Colorado, and Northwest Anthropology LLC; research overhead from Deward E. Walker, Jr., and Roderick Sprague; and personal investment from Walker, Sprague, and Darby Stapp
- the efforts of Roderick Sprague, who oversaw the production of the journal from 1969 through 2008, was a fixture in the bookroom at the annual Northwest Anthropological Conference, and helped keep *NARN* and *JONA* the primary anthropological journal for the Pacific Northwest.

Regarding production of *Memoir 13*, the following individuals assisted with the completion of the database that was created to classify the 500+ items published during the first 50 years, these include Greg Civay, Kara Powers, Alexandra Martin, Kelly Krunch, Heather Hansen, and Amanda Cervantes. The completion of *Memoir 13* took a major step forward in 2016 with the offer by dAVE Burlingame and the Cowlitz Tribe to scan all of the back issues and produce a searchable DVD. And finally, we thank our colleagues who reviewed all or parts of the memoir and Larry Campbell and Lee Lyman for contributing their Forewords.

Introduction

For 50 years the *Journal of Northwest Anthropology* (2002–2016) and its predecessor, *Northwest Anthropological Research Notes* (1967 – 2001) have served as the Pacific Northwest’s primary peer-reviewed professional anthropology journal. The journal has been dedicated to publishing all anthropological research—archaeological, physical, cultural, linguistics, social, and applied—relevant to the past and present cultures of the Northwest Coast and Plateau regions. In addition to publishing research, the journal has published material to facilitate research, including bibliographies, historical material rescued from obscurity, and abstracts from conferences. In all, the journal has published 94 issues, more than 13,000 pages, 544 individual items, and 12 monograph-length memoirs. A complete listing of the contents of each volume with each item assigned an unique number, is provided in *Appendix A*.

Much of the 50 years of content remains relevant today, but until now, access to the material has been limited to those with subscriptions or access to the 70 or so libraries with institutional subscriptions. Complete collections are few and far between. To remedy this situation and commemorate the release of Volume 50, we have placed the complete collection in a Portable Document Format (PDF) on a DVD—fully searchable—and included it with this memoir. Researchers can now access any article by opening the “JONA-Archive” PDF file on the DVD, or if reading an electronic copy of this memoir by selecting the article in *Appendix A*.

Overview of the Journal

Northwest Anthropological Research Notes (NARN) first appeared in 1967, a time when the amount of anthropological research was rapidly increasing across North America. The idea to start NARN originated with Deward E. Walker, Jr., then at the University of Idaho, who recognized the need for a regional journal to serve the Pacific Northwest anthropological community. The first NARN was co-edited by Walker and James A. Goss, with the assistance of a distinguished group of associate editors. Two regular issues and a memoir were initially planned for each year; the subscription cost was \$4.

In 1969, Walker left Idaho for the University of Colorado, and Roderick Sprague (University of Idaho) replaced James Goss as co-editor; NARN continued to be published at the University of Idaho until Sprague’s retirement in 2005. In 2002, the name of the journal changed to the *Journal of Northwest Anthropology* (JONA). In 2009, Darby C. Stapp (Northwest Anthropology LLC) joined Walker and Sprague as a co-editor. With the passing of Sprague in 2011, editorial duties have continued under Walker and Stapp. Editors and Associate Editors who have or are assisting with editorial duties are identified in Table 1.

Publication Policy

The 1967 publication policy, which is essentially the same today, stated that the editors sought

...contributions of professional quality dealing with anthropological research in northwestern North America. Regular issues are published semi-annually with approximately one additional memoir issue per year. Theoretical and interpretive studies are preferred, although highly descriptive studies will be considered if they are theoretically significant. The primary criterion guiding us in selecting papers will be how much new research they can be expected to stimulate or facilitate. (*Northwest Anthropological Research Notes*, Volume 1, No. 1, Spring 1967)

¹The DVD is found on the inside back cover; if purchased through Amazon.com, refer to page 107 for information on how to obtain the DVD.

TABLE 1. NARN/JONA EDITORS AND ASSOCIATE EDITORS

Position	Name	Institution	Years
Co-Editor	Deward E. Walker Jr.	U of Idaho/Colorado	1967-Present
Co-Editor	James A. Goss	Washington State University	1967-1969
Co-Editor	Roderick Sprague	U of Idaho	1967-2012
Co-Editor	Darby C. Stapp	Northwest Anthropology LLC	2009- Present
Corresp Ed.	Darby C. Stapp	Northwest Anthropology LLC	2009- Present
Chief Assoc Ed.	Donald E. Tyler	U of Idaho	1990-1997
Associate Editors	C. Melvin Aikens	University of Oregon	1967-Present
	Angelo Anastasio	Western Washington University	1967-2002
	Haruo Aoki	University of California	1967-Present
	Roy L. Carlson	Simon Fraser University	1967-1979
	Richard D. Daugherty	Washington State University	1967-1979
	Wilbur Davis	Oregon State University	1967-1998
	Don E. Dumond	University of Oregon	1967-Present
	William W. Elmendorf	University of Wisconsin	1967-1998
	John C. Ewers	Smithsonian Institution	1967-1999
	Don D. Fowler	University of Nevada	1967- Present
	Raymond D. Fogelson	University of Chicago	1967- Present
	Viola Garfield	University of Washington	1967-1975
	Harry Hawthorn	University of British Columbia	1967-2008
	Dell H. Hymes	University of Pennsylvania	1967-2009
	Carling Malouf	University of Toronto	1967-2007
	Allan H. Smith	Washington State University	1967-1998
	Theodore Stern	University of Oregon	1967-2006
	Wayne Suttles	Portland State University	1967-2004
	James A. Goss	Washington State University	1970-1975
	William J Mayer-Oakes	University of Manitoba	1968-1976
	Tom F.S. McFeat	University of Toronto	1968-Present
	David G. Rice	University of Idaho	1968-1979
	B. Robert Butler	Idaho State University	1974-1999
	Grover S. Krantz	Washington State University	1973-1999
	Allen P. Slickpoo	Nez Perce Tribe	1976-1998
	Virginia Beavert	Yakama Tribe	2000- Present
	Rodney Frey	University of Idaho	1999-Present
Ronald Halfmoon	Lapwai	1999-Present	
Jay Miller	Lushootseed Research	2000-Present	
Arthur Taylor	Nez Perce/University of Idaho	2011-2013	

“Anthropological research” has and continues to mean the four traditional fields of anthropology—archaeology, cultural/social, linguistics, and physical, including their applied components. “Northwestern North America” for the purposes of the journal has meant the Northwest Coast and Plateau culture areas, essentially those represented in the *Handbook of the North American Indian* volumes, that focused on the Northwest Coast (Suttles 1990) and the Plateau (Walker 1998). Research from adjoining regions relevant to the Northwest has also been accepted. The terms “theoretical,” “interpretive,” and “theoretically significant” stand in contrast to “highly descriptive,” with the goal to attract research that bears on generalized topics or models within the anthropological subdisciplines.

Publication Process

The publication process has been consistent since the beginning. Once received, manuscripts enter a two-step process. First, the editors review the manuscript to see if it meets the basic publication policy of the journal. Those meeting the publication policy then move into a single-blind peer review, whereby the author is identified to the reviewer, but the reviewer remains anonymous to the author. The editors seek out peer reviewers who are either knowledgeable about the specific content or otherwise have a perspective that will assist the editors in evaluating the appropriateness for publication and any additional work needed. Associate editors are consulted as necessary. Peer review comments are returned to the authors. Manuscripts accepted pending revision are reviewed by the editors upon resubmittal and once final acceptance is made, the manuscript is formatted and a proof is prepared and returned to authors for final approval. Approximately 80% of the individual research manuscripts submitted to the journal over the years have been published.

Other materials submitted or recommended for publication, such as bibliographies, archival materials, or publications from obscure sources are evaluated for publication by the editors, and also may include review by associate editors or peer reviewers.

Financial and Administrative Support

From the beginning, *NARN/JONA* has been a volunteer effort by the editors, associate editors, and reviewers. Financial support has come from subscription fees from individuals and institutions; institutional support from the University of Idaho, University of Colorado, and Washington State University; and personal investment from the editors. About 70 university libraries in the United States, Canada, and Europe subscribe to the journal, along with a similar number of individuals, tribes, and CRM firms.

For the first 35 years, the University of Idaho Department of Sociology/Anthropology and Laboratory of Anthropology provided administrative support. Upon his retirement in 2002, Roderick Sprague moved the operation to his residence in Moscow, Idaho, and published the journal through South Fork Press, with the assistance of his wife, Linda Sprague. In 2009, the administrative and publishing duties moved to Richland, Washington, where Julia Longenecker took over the responsibilities formerly held by Linda Sprague. Administrative support has been provided by Northwest Anthropology LLC (NWA), a cultural assessment consulting firm owned by Darby Stapp.

Changes

Various developments in the journal have been described in editorials published in the journal. For example, in 1970, the decision to begin publishing research on Sasquatch was discussed in Volume 4, Number 2 (#34, *Appendix A*). A 10-year editorial was published in 1976 (#87, *Appendix A*). The name change to the *Journal of Northwest Anthropology* is discussed in Volume 36, Number 1 (#364, *Appendix A*). Other editorials detailing various changes are found in articles #157, 213, 291, 364, and 441 in *Appendix A*.

Organization of *Memoir 13*

We have structured *Memoir 13* as follows:

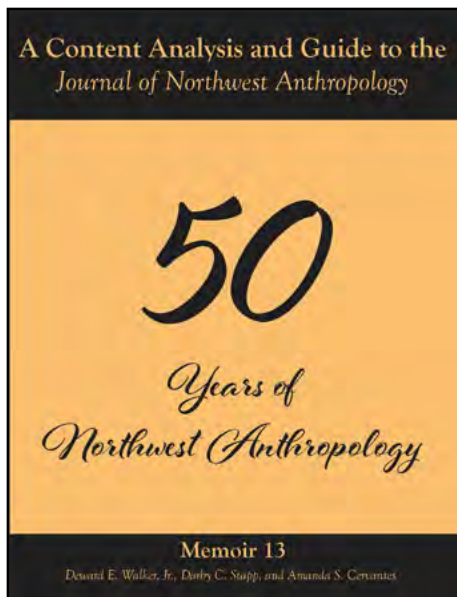
- In Section 2 we provide greater detail concerning the contents. Articles associated with topics and themes within the different subfields are identified by a number, which correlates to the listing in *Appendix A*. Material in tables associated with the Northwest Anthropological Conference is also included.
- In Section 3 we provide details concerning the contributors, including the most published individuals, the number of authors per article, institutional affiliation of authors and author gender.
- In Section 4 articles pertaining to particular subject matter are listed in tables.
- In Section 5 we explain how to make use of the *JONA-Archive.pdf* found on the companion DVD to locate an article and conduct searches. A case study is then presented to demonstrate the ability to use the Adobe Acrobat DC (purchased at adobe.com) search function to analyze journal content.
- In Section 6 we explore the future of *JONA* and anthropological publishing in general.
- *Appendix A* is the complete listing of content, all 544 items and 12 memoirs, hotlinked in the electronic version.
- *Appendix B* is an example of a report generated by the Adobe Acrobat DC search function.

How to Use the Companion DVD

The DVD included with *Memoir 13* contains all material published between 1967 and 2016, along with *Memoirs 1* to 7 and descriptions of *Memoirs 8* to 12. The DVD has all *NARN/JONA* issues scanned to enable the documents to be searchable; any article, or Northwest Anthropological Conference abstract (approximately 5000 in number) where that name, place, or word occurs will be identified and available for viewing (Figure 1). Also on the DVD is a digital copy of *Memoir 13*, with the articles listed in *Appendix A* hotlinked their digital copies. The reader can select the title and the article will appear.

The DVD contains a single PDF file, *JONA-Archive.pdf*, it acts a portfolio of all the PDFs created of each *NARN/JONA* volume. Within this portfolio the contents areas followed:

- “1 - *Memoir 13*” – this is the digital version of *Memoir 13* and the only file not in a folder. The digital version has all of the articles in *Appendix A* hotlinked along with instructions to navigating, searching, printing an article, and extracting a PDF, which is an entire volume, from the portfolio.
- “Volume” folders – Listed by year, each volume folder has both Fall and Spring issues.
- “Memoirs” folder – this folder has all of the memoirs listed by year, in each folder is the memoir individual file.



- Summary of 50 years of content
- Insight to history of Pacific Northwest anthropological research

Appendixes

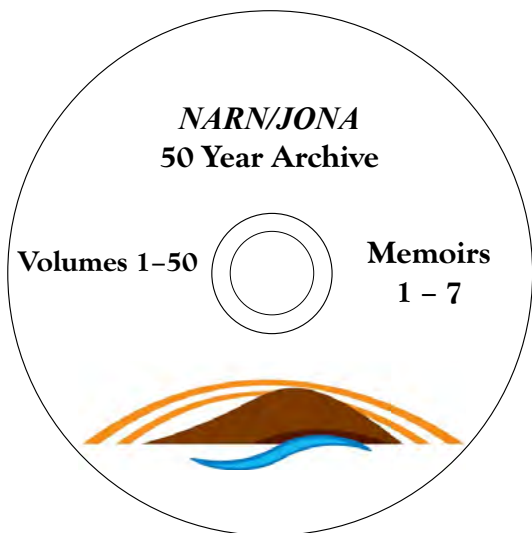
- A – Listing of contents (#1 to #545, 12 Memoirs)
- B – Example Report from Adobe Acrobat DC search

**NORTHWEST ANTHROPOLOGICAL RESEARCH NOTES/
JOURNAL OF NORTHWEST ANTHROPOLOGY**

**CONTENTS BY TITLE AND AUTHOR 1967-2016
CROSS-REFERENCED WITH MEMOIR 13.**

Vol. 1, No. 1 (Spring 1967)	
1	A Preliminary Ethnographic Illustration Inventory Robert Sprague
Vol. 1, No. 2 (Fall 1967)	
2	Ethnographic Illustrations in Anthropology, with Ethnographic Illustrations Revised Edition H. K. Swartz, Jr.
Vol. 2, No. 1 (Spring 1968)	
3	Ceramics: Integration in the Pattern of Northwest Anthropology Bill Duncan
4	Archaeological Excavations of the Uvuk River System John Lee-Park
5	Approximate Chronologies and the Unemployment of the Okanogan Indians John L. Skelton
6	Anthropological Papers Presented at the Twentieth Anniversary Conference, 1924-1968 Robert Sprague
7	Papers Presented at the First Triennial Meeting of the Northwest Anthropological Conference, 1946-1968 Robert Sprague
8	Abstracts of Papers Presented at the 21st Annual Meeting of the Northwest Anthropological Conference, Portland, 1968
Vol. 2, No. 2 (Fall 1968)	
9	American Anthropological Association Symposium on American Indian Ethnology and History Rights, Seattle, November 1968
10	The transcript of the round-table discussion of the "Povungut Tribe" versus the Department of Game of the State of Washington, with Ted Tax (Organizer), Edward H. Walker, Jr., Charles Brown, Arthur Marx, Philip Nash, George Dyson, Al Zinner, Jim Klunk, Nancy Lurie, Richard Peavey, Dick Lummis, Larry Condit, Mike Johnson, and speakers for the Okanogan, Yakima, Willapa, and Naches, Lewis and Clark, and Nez Perce Tribes Bruce A. Hanson
11	The Conflict over 212 Forest Landings and Fishing Rights Bruce A. Hanson
12	Abstracts of Papers Presented at the 22nd Annual Meeting of the Northwest Anthropological Conference, Victoria, 1969
13	1968 Annual Northwest Anthropological Conference Student Competition 1969
14	Final - A Method of Creating Photographic Slides of Ethnographic Illustrations Walter L. Cherry
15	Search - How To Find It (and How To Use It) (1968)

(NORTHWEST ANTHROPOLOGICAL RESEARCH NOTES) have been published continuously by the Journal of Northwest Anthropology and are published from 1967 (Volume 1) to 2016 (Volume 54).



- JONA-Archive.pdf
- Memoir 13
- NARN/JONA 50 Year Folders
- Memoir Folder

Figure 1. Description of contents of Memoir 13, showing the main document, appendixes, and DVD.

Overview of NARN/JONA Published Content

The fifty volumes have included two issues per year, except for four years when the issues were combined (Volumes 17, 21, 30, and 31). Volumes typically averaged 250 single-spaced pages. Of the 13,127 pages that have been published in *NARN* and *JONA*, 71% of the pages have been dedicated to original research, 11% to historic and reprinted material, 13% to conference abstracts, 4% to student conference award winning papers, and 1% to journal business such as editorials and publication style guides. The content is described in greater detail below.

Anthropological Subfields, Culture Areas, Time Periods, and Cultures

Articles representing archaeological (46%) and cultural/social (45%) topics have dominated the content, followed by physical/biological (6%) and linguistics (3%) (Figure 2). A comparison of subfields represented between 1970 and 2009 indicates a general increase in archaeological articles and decrease in the other three subfields (Figure 3). Many of the articles within each subfield have an applied component, as can be seen the various tables provided in Section 4.

In terms of culture area representation, 45% of the published material has pertained to the Northwest Coast (U.S. and Canada), 48% to the Plateau (U.S. and Canada), 3% to the Great

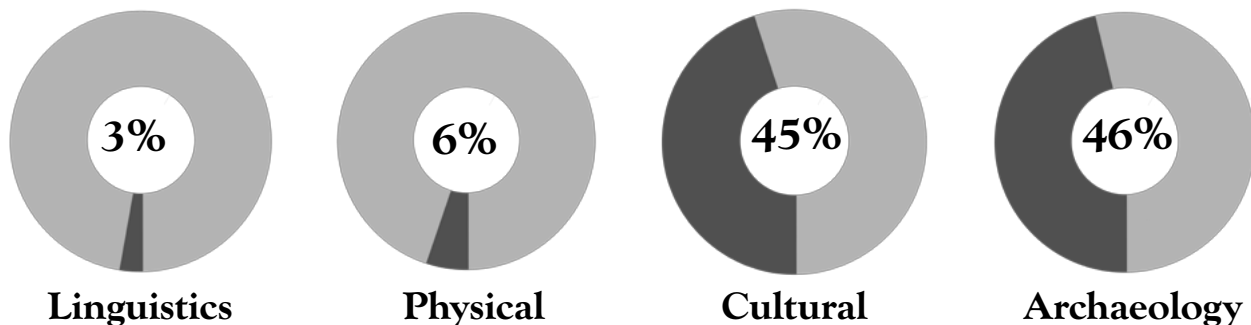


Figure 2. Anthropological subfields represented in the first 50 years of *NARN/JONA* content.

Basin, 2% to Alaska, 1% to California, and 1% to the Plains. Using political boundaries, research pertaining to places and peoples located in the United States is dominated by Washington (44%), followed by Oregon (28%), and Idaho (10%); British Columbia, Canada accounted for 18% of the collection (Figure 4).

In terms of temporal focus, 37% of the articles pertain to the pre-contact era, 58% pertain to the historic era, and 6% pertain to contemporary times. Research centered on Native American/First Nations accounts for about 75% of the articles published. A considerable amount of this research has concerned impacts and relationships with the dominant societies, including preservation and protection of traditional resources, human remains, and archaeological sites and artifacts. Research pertaining directly on Euroamerican settlement did not appear until Volume 9 (1975), and focused on with historical archaeological aspects of the Euroamerican experience; fur trade, missionaries, military, and reservation-related topics, have dominated the conversation. The only other significant body of research devoted to another cultural groups published in the journal relates to the Asian, largely Chinese, experience in the Northwest, which began in the mid-nineteenth century.

Four Fields by Decade in NARN/JONA

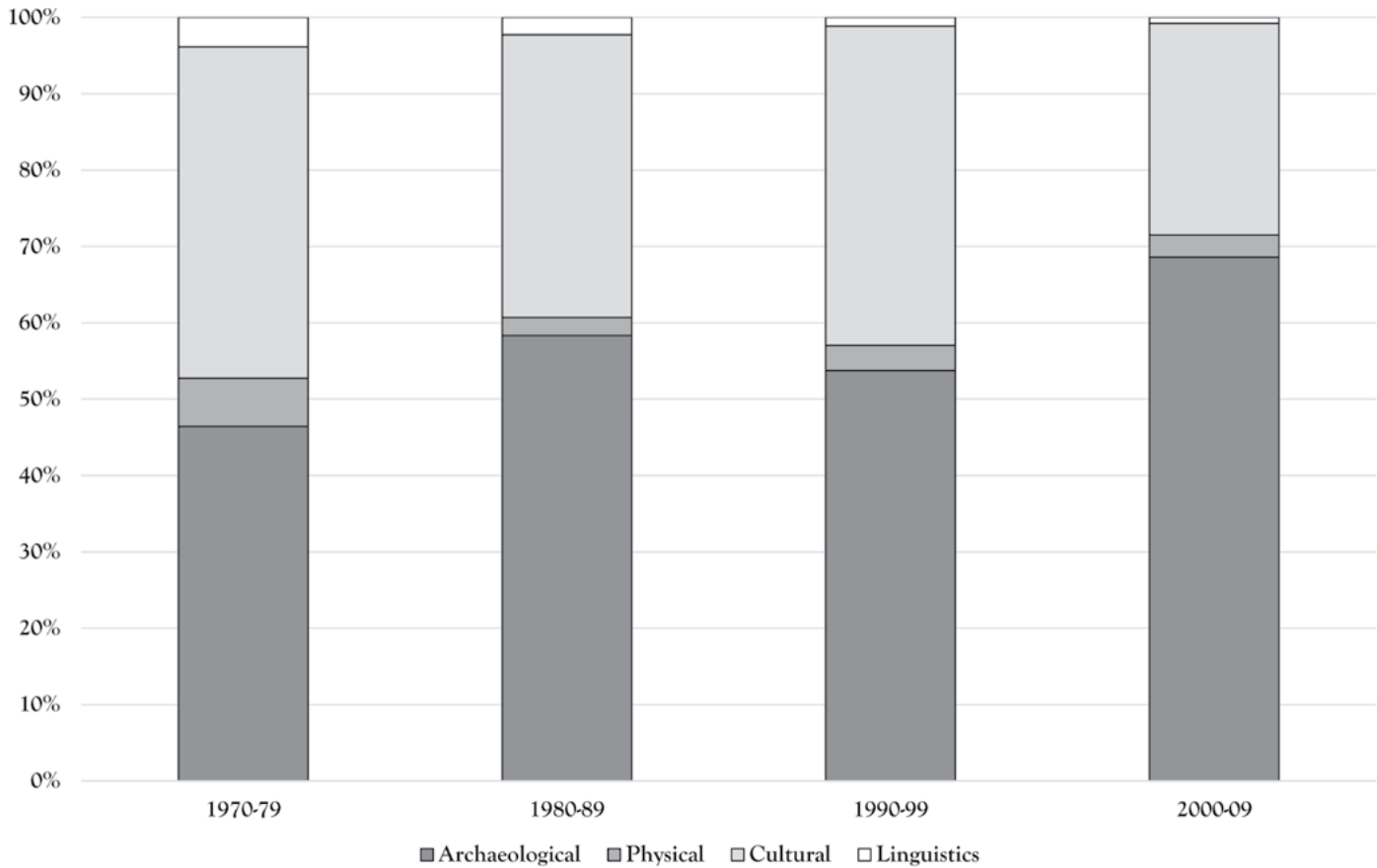


Figure 3. Change in proportion of articles published between 1970 and 2009 by anthropological subfield.

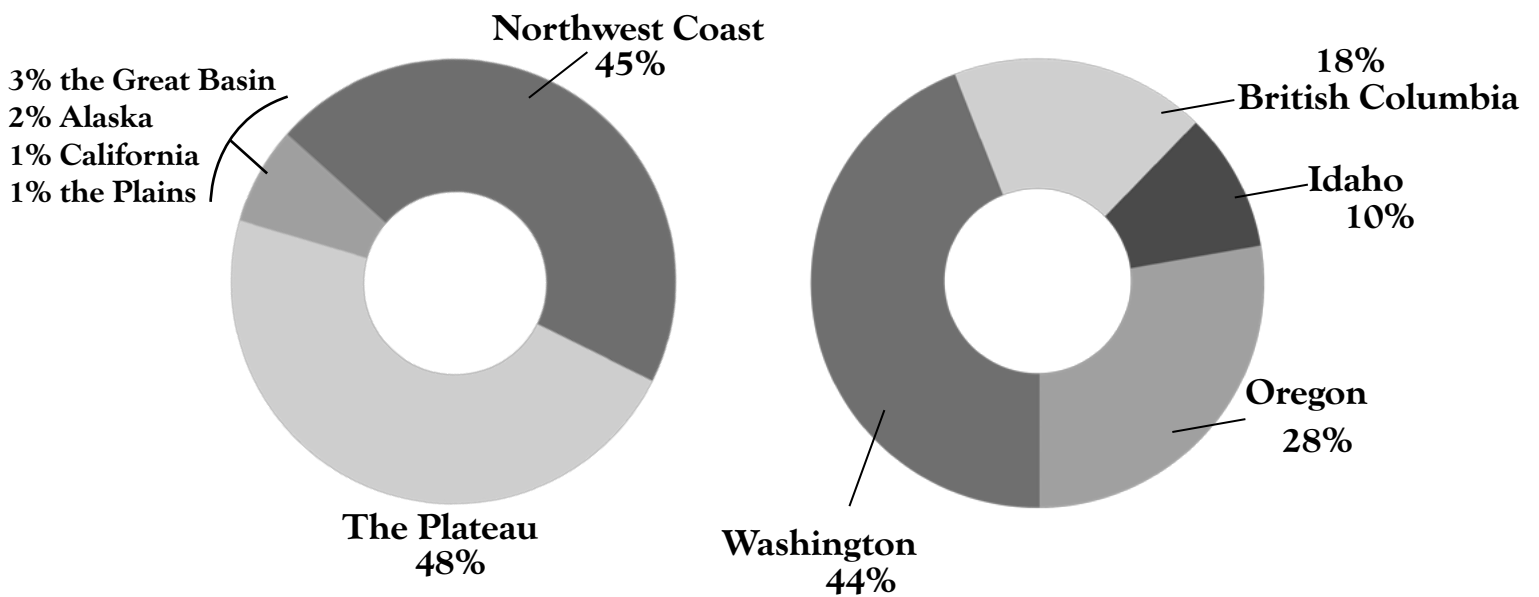


Figure 4. Researched culture areas and political boundaries represented in NARN/JONA.

Spatial Dimensions of Research

To ascertain the spatial units of interest by researchers, contributed articles were assigned to one of the following five spatial divisions, modifying the concepts presented in *Method and Theory in American Archaeology* (Willey and Phillips 1975:18-21):

- site/village – this unit equates to an archaeological site or an ethnographic village; spatial dimension is approximately 1 mile diameter.
- inter-site/locality – this unit equates to multiple archaeological or ethnographic sites; spatial dimensions range from approximately 1 mile diameter to 5 miles diameter.
- areal – this unit equates to a collection of sites within a drainage or a cultural group; spatial dimensions range from 5 mile diameter to 50 miles diameter.
- sub-region/region – this unit equates to a region such as “the Southern Plateau” or a major portion thereof.
- inter-regional – this unit encompasses more than one region.

Combining all research for the fifty-year period, the proportion of research in each spatial division is illustrated in Figure 5. Changes in the focus of research interest over time is shown in Figure 6.

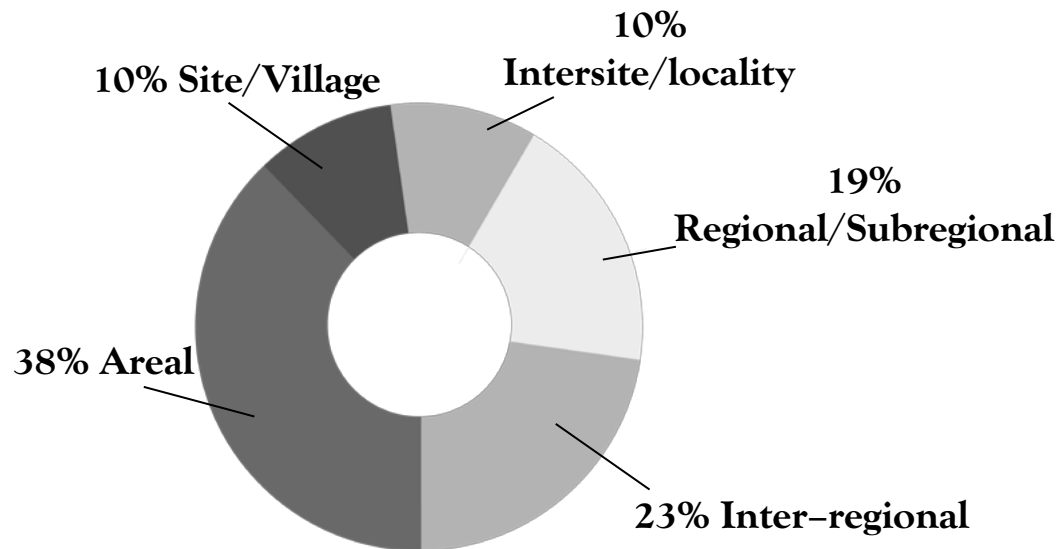


Figure 5. Proportion of research focused on spatial categories published in *NARN/JONA* between 1967 and 2016.

JONA 10 Year Moving Average

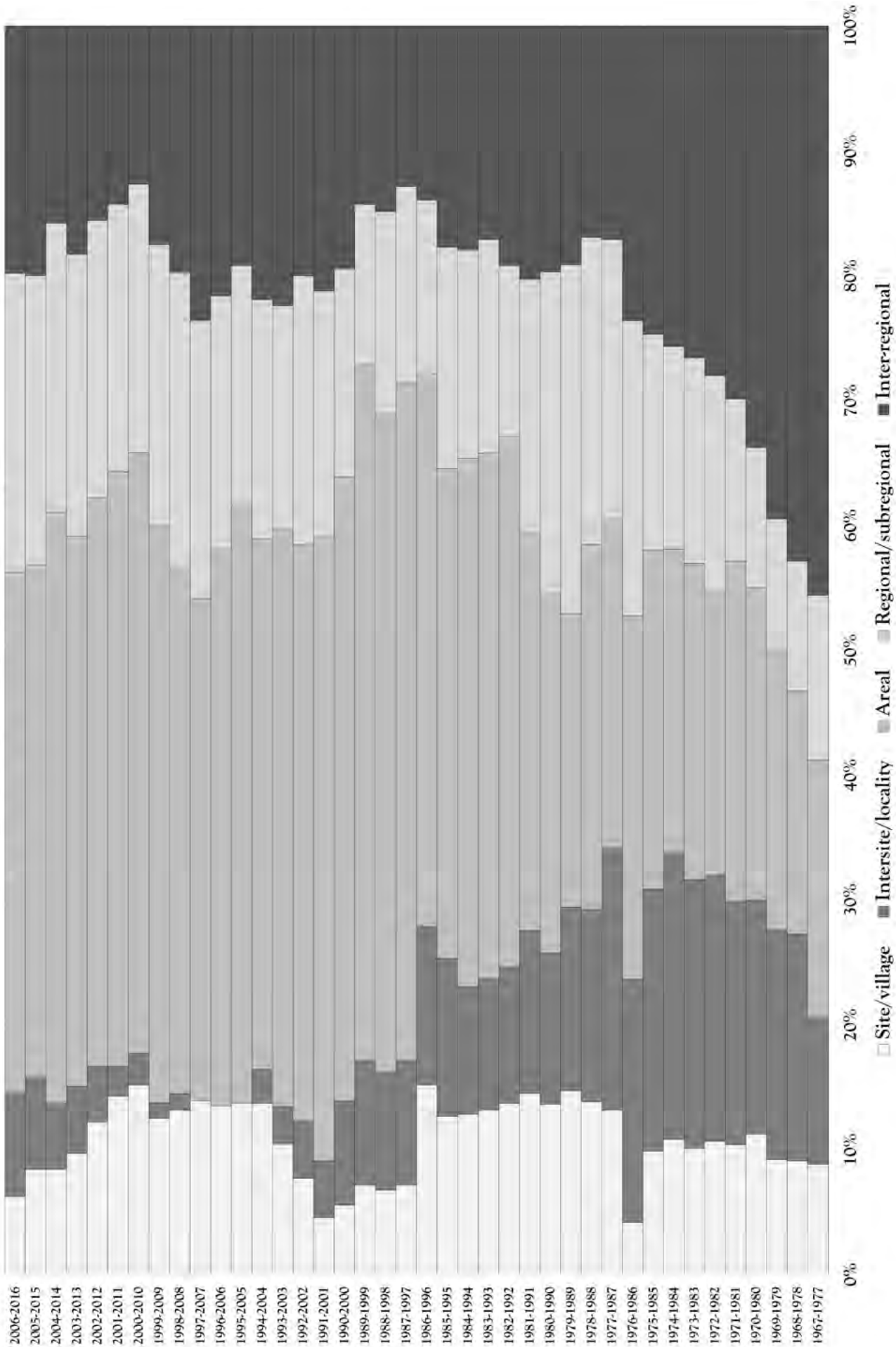


Figure 6. Proportion of research focused on spatial categories between 1967 and 2016, using a 10-year moving average to illustrate trends in focus.

Symposia, Thematic Issues, and Memoirs

The journal has long encouraged submittal of thematic collections, whether independently produced or resulting from conference symposia or other professional gatherings. Seventeen symposia or thematic collections have been published over the years. These have accounted for 10% of the articles published, 12% of the published pages. The symposia/thematic collections are identified in Table 2.

TABLE 2. NARN/JONA SYMPOSIA AND THEMATIC ISSUES

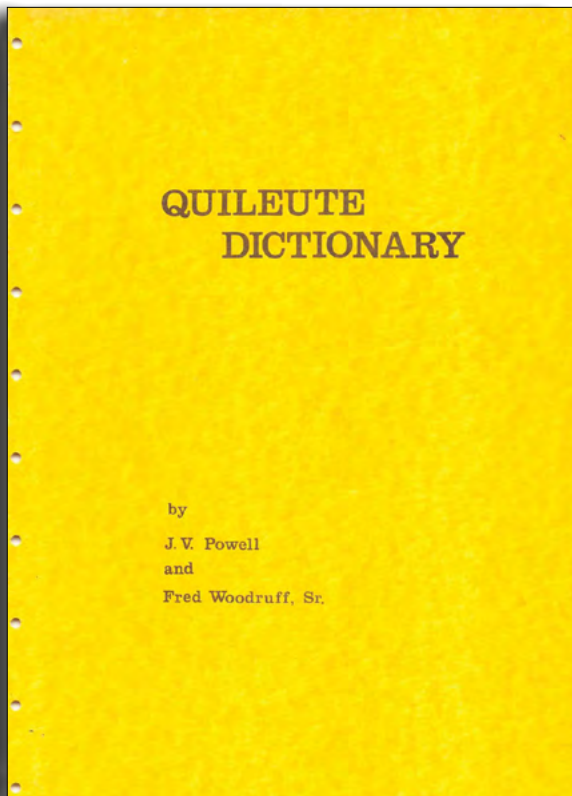
Year	Subfield	Title	Organizer/Editor	Ref. ^a
1968	Cultural	American Indian Fishing and Hunting Rights	Sol Tax	9
1969	Cultural	Ethics in Anthropological Field Work	Barbara Lane	18
1970	Archaeology	Current Archaeological Research on the Northwest Coast	Donald H. Mitchell	20-24
1970	Archaeology	Cultural Relations between the Plateau and Great Basin	Earl H. Swanson, Jr.	29-33
1971	Cultural	An Exploration of the Reservation System in North America	Deward E. Waker, Jr.	39-46
1972	Cultural	The Southern Plateau: An Ecological Analysis of Intergroup Relations	Angelo Anastasio	56
1975	Archaeology	Pacific Northwest Archaeological Historical Research	Lester A. Ross	68-82
1982	Archaeology	Preservation of Archaeological Collections	Kevin Erickson	171-178
1983	Cultural	Eskimo Recollections of Their Life Experiences, St. Lawrence Island 1940	A.H and D.C. Leighton	179
1986	Cultural	Anthropology and Education	Linda L. Reid, Angelo Anastasio	203-208
1986	Archaeology	Sedentism on the Columbia Plateau	E.S. Lohse and D. Sammons-Lohse	214-219
1990	Archaeology	Perspectives on Coast Salish Subsistence	N. Alexander Easton	254-261
1996	Archaeology	Overview of Cultural Resources in the Snake River Basin	Kenneth C. Reid	315-319
1999	Archaeology	Feminist Approaches to Pacific Northwest Anthropology	Kathryn Bernick	340-346
2004	Cultural	Remembering Archie Phinney, A Nez Perce Scholar	William Willard and J. Diane Pearson	389-396
2006	Cultural	Tahoma Legends: History in Two Voices	Astrida R. Blukis Onat	414
2011	Archaeology	Transportation-Related Cultural Resources Management in Washington and Oregon	Scott Williams, Carolyn McAleer	472-480

^a - Numbers cross reference with Appendix A

The editors initially envisioned publishing a memoir to accompany each volume, however, that goal proved too ambitious. Prior to 2012, memoirs appeared on an ad hoc basis and distributed to subscribers. Since 2012, the memoir series has been decoupled from the journal; memoirs are not included with the journal subscription, but are available by purchase through Amazon.com. A listing is provided in Table 3.

TABLE 3. DESCRIPTIONS OF NARN/JONA MEMOIRS

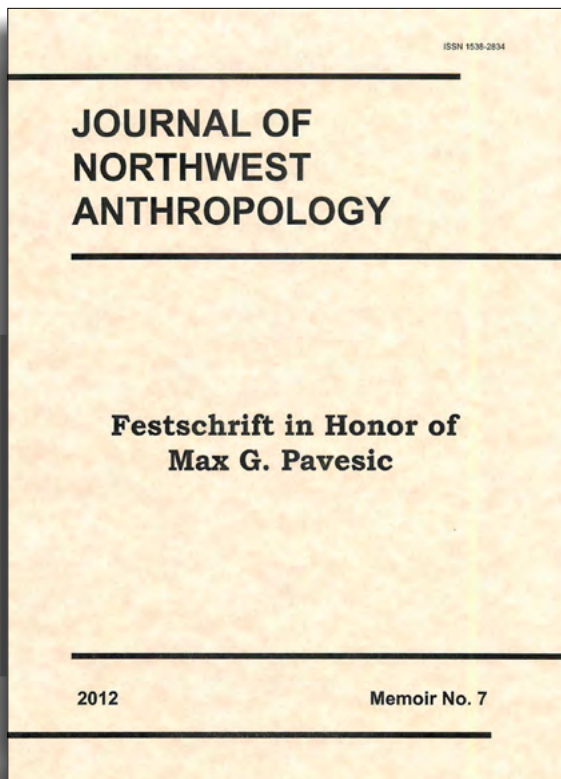
Year	Subfield	Title	Author/Editor	Memoir
1967	Cultural	An Examination of American Indian Reaction to Proposals of the Commissioner of Indian Affairs for General Legislation, 1967	Deward E. Walker, Jr.	1
1973	Cultural	Influences of the Hudson's Bay Company on the Native Cultures of the Colvile District	David H. Chance	2
1976	Linguistics	Quileute Dictionary	J. V. Powell and Fred Woodruff, Sr.	3
1978	Archaeology	Flat Glass: Its Use as a Dating Tool for Nineteenth-Century Archaeological Sites in the Pacific Northwest and Elsewhere	Karl G. Roenke	4
1979	Archaeology	A Bibliography of Idaho Archaeology, 1889–1976	Max G. Pavesic, Mark G. Plew, and Roderick Sprague	5
2002	Tribal Cultural Resource Management	It's About Time, It's About Them, It's About Us: A Decade of Papers, 1988–1998	Michael S. Burney and Jeff Van Pelt, editors	6
2012	Archaeology	Festschrift in Honor of Max G. Pavesic	Kenneth C. Reid and Jerry R. Galm, editors	7
2012	Applied Anthropology	Action Anthropology and Sol Tax in 2012: The Final Word?	Darby C. Stapp, editor	8
2013	Cultural	Rescues, Rants, and Researches: A Re-View of Jay Miller's Writings on Northwest Indian Culture	Darby C. Stapp and Kara N. Powers, editors	9
2015	Cultural	Tribal Trio of the Northwest Coast	Kenneth D. Tollefson, author. Jay Miller and Darby C. Stapp, editors	10
2015	Cultural	An Ethnographic Assessment of Some Cultural Landscapes in Southern Wyoming and Idaho	Deward E. Walker, Jr., Pamela Graves, Joe Ben Walker, and Dan Hutchison	11
2016	Cultural	The Contemporary Coast Salish: Essays by Bruce Granville Miller	Bruce Granville Miller and Darby C. Stapp, editors	12



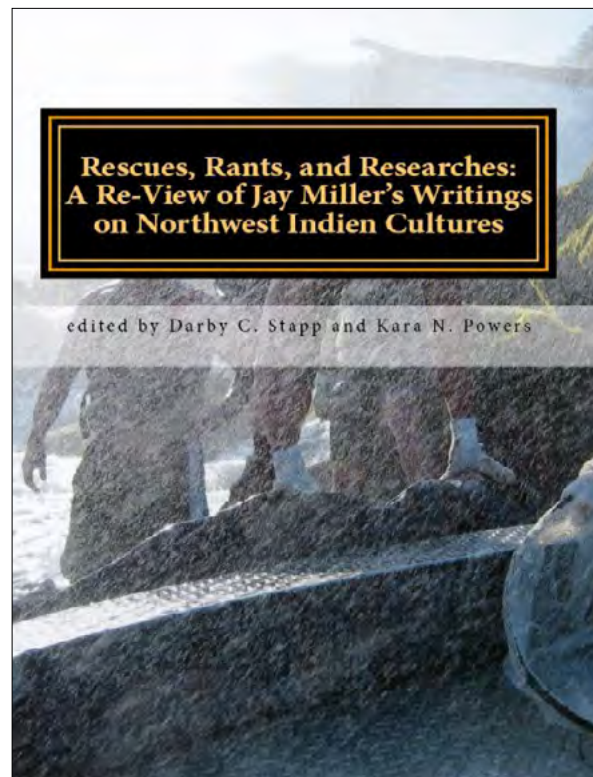
Memoir 3



Memoir 6



Memoir 7



Memoir 9

TABLE 4. NARN/JONA ARTICLES PERTAINING TO SPECIFIC NATIVE GROUPS

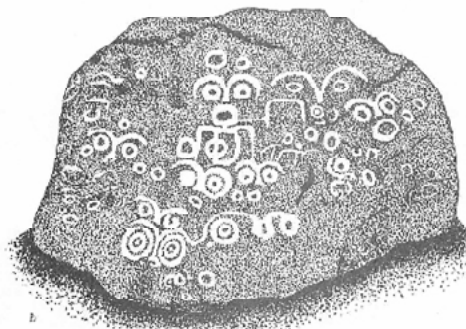
Tribe	Reference ^a
Bella Coola	167, 488
Chehalis	336, 451
Chinook	236, 302
Cowlitz	497, 525
Haida	112
Klamllam	442
Kwakiutl	127
Makah	99, 103, 146, 153, 156, 324, 325, 350, 372, 461, 470, 501, 519, Memoir 3
Nez Perce	11, 35, 117, 133, 239, 246, 295, 306, 313, 359, 360, 390-395, 439, 456, 490
Nisqually	515
Nootka	21, 22
Skagit	240
Snoqualmie	151, 242, 250, 298, 309, 323, 324?, 339, 414, 527
Steilacoom	250, 298
Suquamish	339
Tlingit	49
Tsimshian	23, 169
Umatilla	43, 397, 514, Memoir 6
Umpqua	482
Yakima/Yakama	288, 323

^a - Numbers cross reference with *Appendix A*



Nez Perce dugout canoe. (#439)

Southern Puget Sound petroglyphs (#153)



Members of the Nuxalk (Bella Cola) that preformed in Berlin, Germany. (#488)

Breakdown of Archaeology-focused Articles

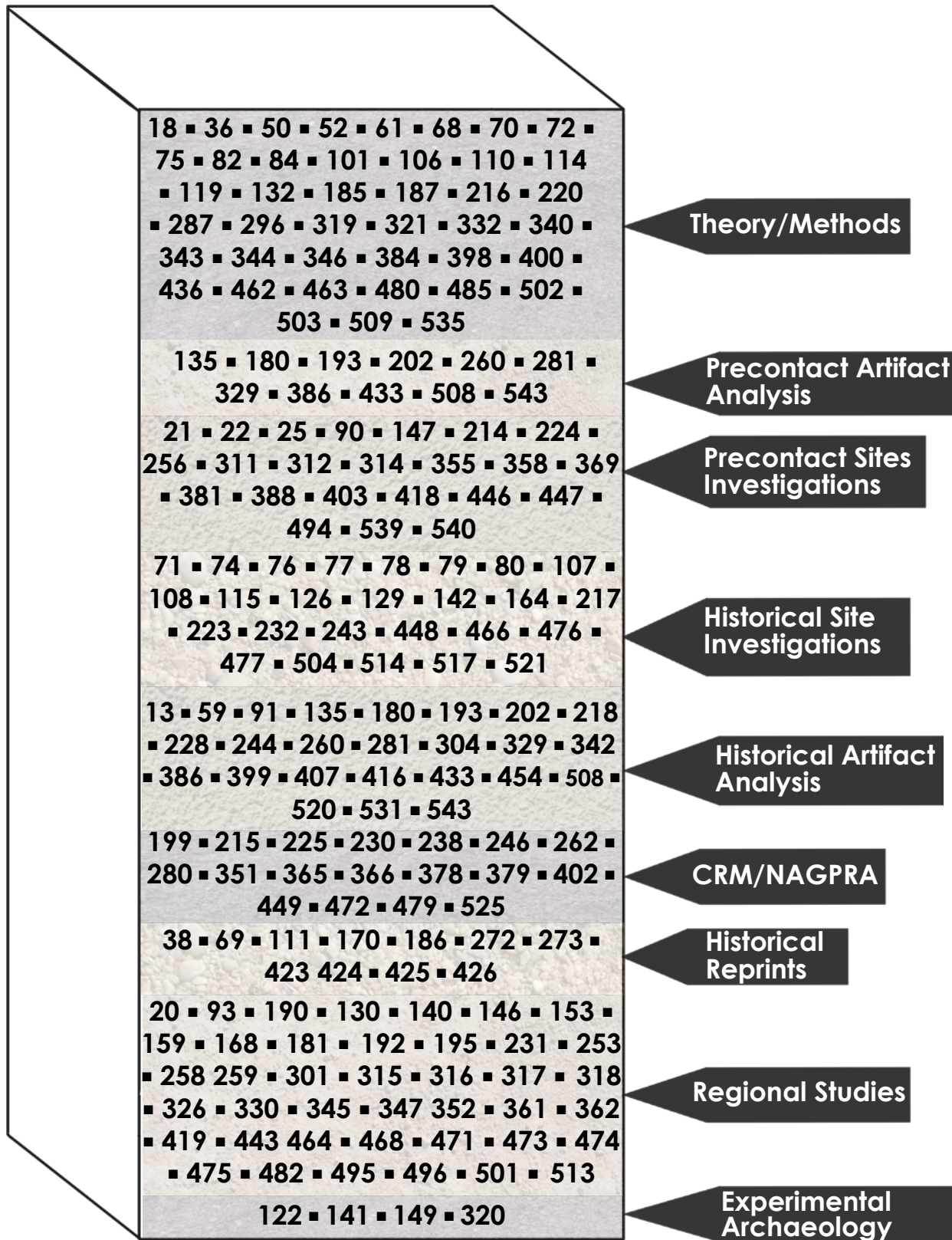
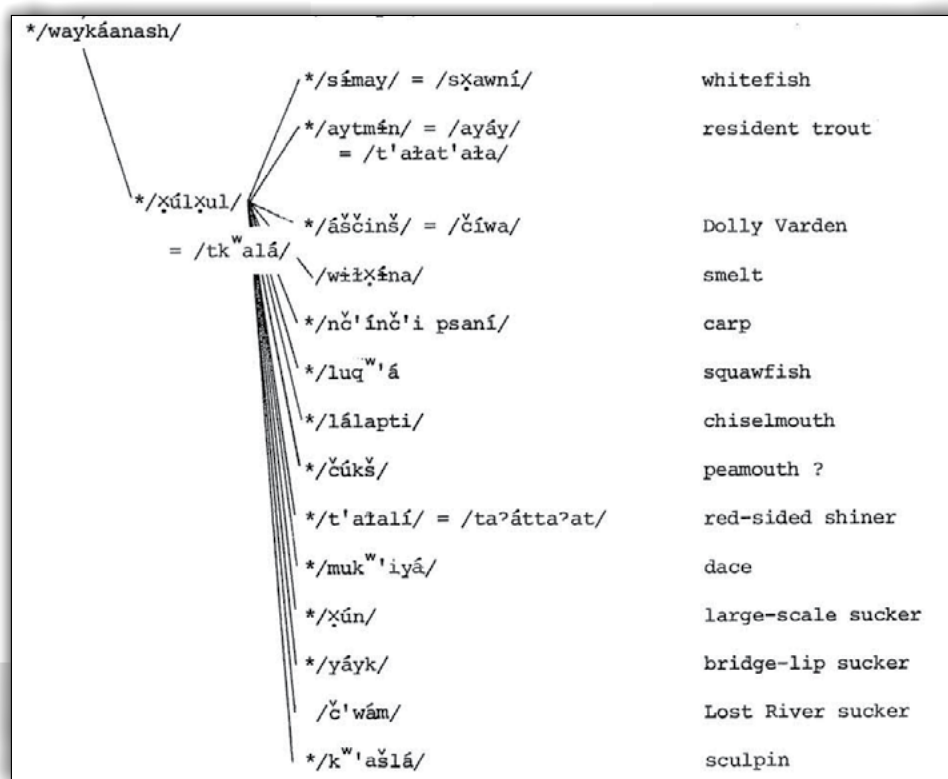


Figure 8. Archaeological-focused articles are grouped into similar themes or research focus. Numbers cross reference with *Appendix A*.

TABLE 5. LINGUISTIC-FOCUSED ANTHROPOLOGY ARTICLES PUBLISHED IN NARN/
JONA

Title	Author	Ref ^a
The Waiilatpuan Problem: More on Cayuse-Molala Relatability	Bruce Rigsby	16
Some Pacific Northwest Native Language Names for the Sasquatch Phenomenon	Bruce Rigsby	48
A Short Practical Dictionary of the Gitksan Language	Lonnie Hindle Bruce Rigsby	58
Canoe Names in the Northwest, An Areal Study	Barry F. Carlson Thom Hess	120
An Analysis of Kwakiutl Plant Terms	Dale Croes	127
Sahaptin Fish Classification	Eugene Hunn	143
Jargonization before Chinook Jargon	William J. Samarin	236
Towards an Early Social History of Chinook Jargon	Christopher F. Roth	302
Skookumchuck Shuffle: Shifting Athapaskan Swaals into Oregon Klatskanis before Taitnapam Sahaptins Cross the Cascades	Jay Miller	489
A Glimpse at the Beginning of Language Studies on the Northwest Coast: Johann Christoph Adelung's <i>Mithridates oder Allgemeine Sprachkunde</i>	Richard L. Bland	510

^a - Numbers cross reference with Appendix A

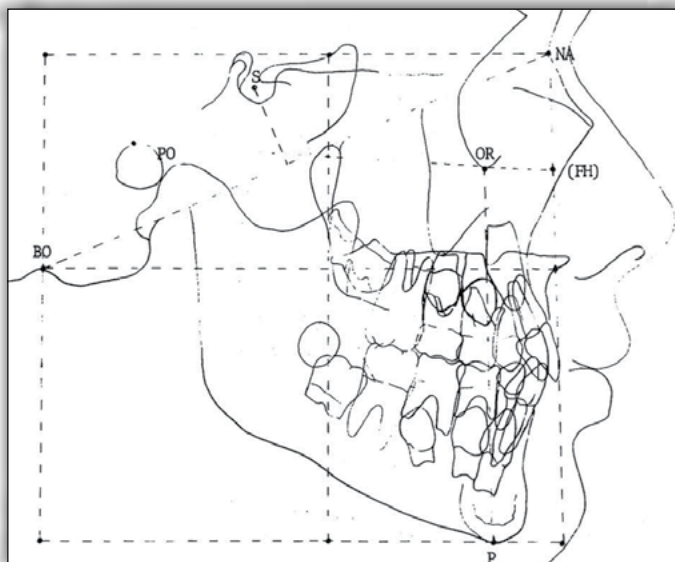


Sahaptin fishes in taxonomic structure. Dialect variants are indicated by “=” (#143)

TABLE 6. PHYSICAL ANTHROPOLOGY ARTICLES PUBLISHED IN NARN/JONA

Specialty	Title	Ref ^a
Osteology	The Cephalic Index: The History of an Idea in Physical Anthropology	95
Osteology	The Marmes Burial Casts	137
Osteology	Oldest Human Remains from the Marmes Site	138
Osteology	Skeletal Population at 35-CS-43C, May, 1986 (The Bandon Burials)	219
Osteology	Artificial Cranial Deformation in the Koniag: Its Effects on Population Comparisons	363
Osteology	Physical Anthropological Studies from Franz Boas	408
Osteology	Skeletal Evidence of Pre-contact Conflict Among Native Groups in the Columbia Plateau of the Pacific Northwest	542
Dental	Juvenile Cranial Deformation and Fluoridosis	17
Dental	A Function of the Curve of Spee	64
Dental	An Analysis of Mandibular Molar Occlusal Size Progression Patterns in Three Species of Australopithecus	428
Demography/ Paleopathology	Disease and Demography in the Plateau	420
Demography/ Paleopathology	Death in the Coeur d'Alene Tribe 1911 to 1937	429
Methods	Diet 123: A Computerized Dietary Analysis Program using Lotus 123 TM	233

^a - Numbers cross reference with *Appendix A*



Cephalogram of a 12-year-old Palus Indian child compared to Bolton 12-year-standard to evaluate facial growth. (#17)

Sasquatch

NARN was unique among anthropological journals for its policy announced in 1970 to publish articles pertaining to Sasquatch, the folkloric large, hairy, bipedal human-like creature reported from pre-contact times to the present. Co-editor Sprague, responding to a call from Bigfoot hunter John Green, and following in the footsteps of the editors of the journal *Soviet Ethnography*, explained the new policy in Volume 4, Number 2. He concluded the editorial as follows:

After an informal survey of the majority of the Associate Editors of NARN at various meetings during the past year, it is now obvious that the editors favor a similar policy for NARN. It gives me pleasure to announce to the anthropologists, zoologists, and other interested researchers of the Northwest that the editors of *Northwest Anthropological Research Notes* will welcome and view favorably for early publication any reasonably scientific paper dealing with the Sasquatch phenomenon. This might include models for study; comparative studies in ethnology, mythology, or linguistics; or bibliographic works. We are not suggesting the acceptance or rejection of belief in the Sasquatch but rather the unfettered anthropological study of such beliefs either positive or negative. (#34, Appendix A)

Articles pertaining to Sasquatch or Sasquatch-related issues are identified in Table 7. Many of the articles were reprinted in two separate publications, *The Scientist Looks at the Sasquatch* (Sprague and Krantz 1977) and *The Scientist Looks at the Sasquatch II* (Sprague and Krantz 1979).

TABLE 7. ARTICLES RELATED TO SASQUATCH PUBLISHED IN NARN/JONA

Year	Title	Author	Ref ^a
1970	Editorial: Sasquatch Research	R. Sprague	34
1971	Sasquatch Handprints	G.S. Krantz	47
1971	Some Pacific Northwest Native Language Names for the Sasquatch Phenomenon	Bruce Rigsby	48
1972	On the Cultural Track of the Sasquatch	Wayne Suttles	53
1972	Anatomy Of The Sasquatch Foot	G.S. Krantz	54
1972	Additional Notes On Sasquatch Foot Anatomy	G.S. Krantz	57
1975	Perceptions and Images of the Wild Man	Gordon R. Strassenburgh, Jr.	86
1977	A Hominologist's View from Moscow, USSR	Dmitri Bayonov	105
1978	A Rebuttal To Krantz' Step Three Approach To Sasquatch Identification	J.E. Beckjord	123
1978	Results of a Questionnaire on the Sasquatch	Ron Westrum	125
1979	The Improbable Primate and Modern Myth	Richard Beeson	136
1981	On the Taxonomic Status of Sasquatch: An Anthropological Consensus	J.R. Greenwell and James E. King	154
1985	A Species Named from Footprints (Sasquatch)	G.S. Krantz	196
1988	Improbable Species, Deceit, and Social Control in the Context of Behavioral Ecology	Richard Beeson	237

^a - Numbers cross reference with Appendix A

Northwest Anthropological Conference

Beginning in 1968, the journal began publishing the abstracts from the Northwest Anthropological Conference, a tradition that continues to this day. Also published were the titles of papers from the first 20 years of the conference, which began in 1948 (#7, *Appendix A*). The purpose of publishing abstracts of papers from the annual Northwest Anthropological Conference was explained by Roderick Sprague in Volume 2, Number 1:

The dissemination of information concerning unpublished research continues to be one of the primary concerns of the editors of *NARN*. One major source of such information can be found in the papers presented at the annual meeting of the Northwest Anthropological Conference. After 21 years of existence, this annual conference still remains as an informal, no-dues-collecting association—a structural feature that has been overwhelmingly reaffirmed by the membership on several occasions. This informal structure represents the strength of the organization but also produces its major weakness—the lack of a uniform system for the reproduction of the annual sets of abstracts. The annual publication of the abstracts in *NARN*, as already arranged for the 1968 meetings, will give wider distribution to these abstracts without formalizing the structure of the conference itself (#7, *Appendix A*).

The locations where the annual conference has been held, the sponsors, and the number of times it was held at that location are shown in Figure 9. Figure 10 shows the number of abstracts presented over the years, from 1948 to 2009. Table 8 identifies the reference number where the abstracts can be found in *Appendix A*.

Beginning in 2013, the *JONA* policy for printing abstracts was modified to only include abstracts from symposia and workshops in the printed copy of the journal; individual abstracts are provided in the electronic copy found on the journal website and on the 50-Year DVD. In addition to the abstracts from the Northwest Anthropological Conference, titles from papers presented at the Idaho Archaeological Conferences from 1973-1991 were published in 1992 (#279, *Appendix A*). Similarly, titles of anthropological papers presented at the Northwest Scientific Association Meetings between 1924 and 1968 were published (#6, *Appendix A*).

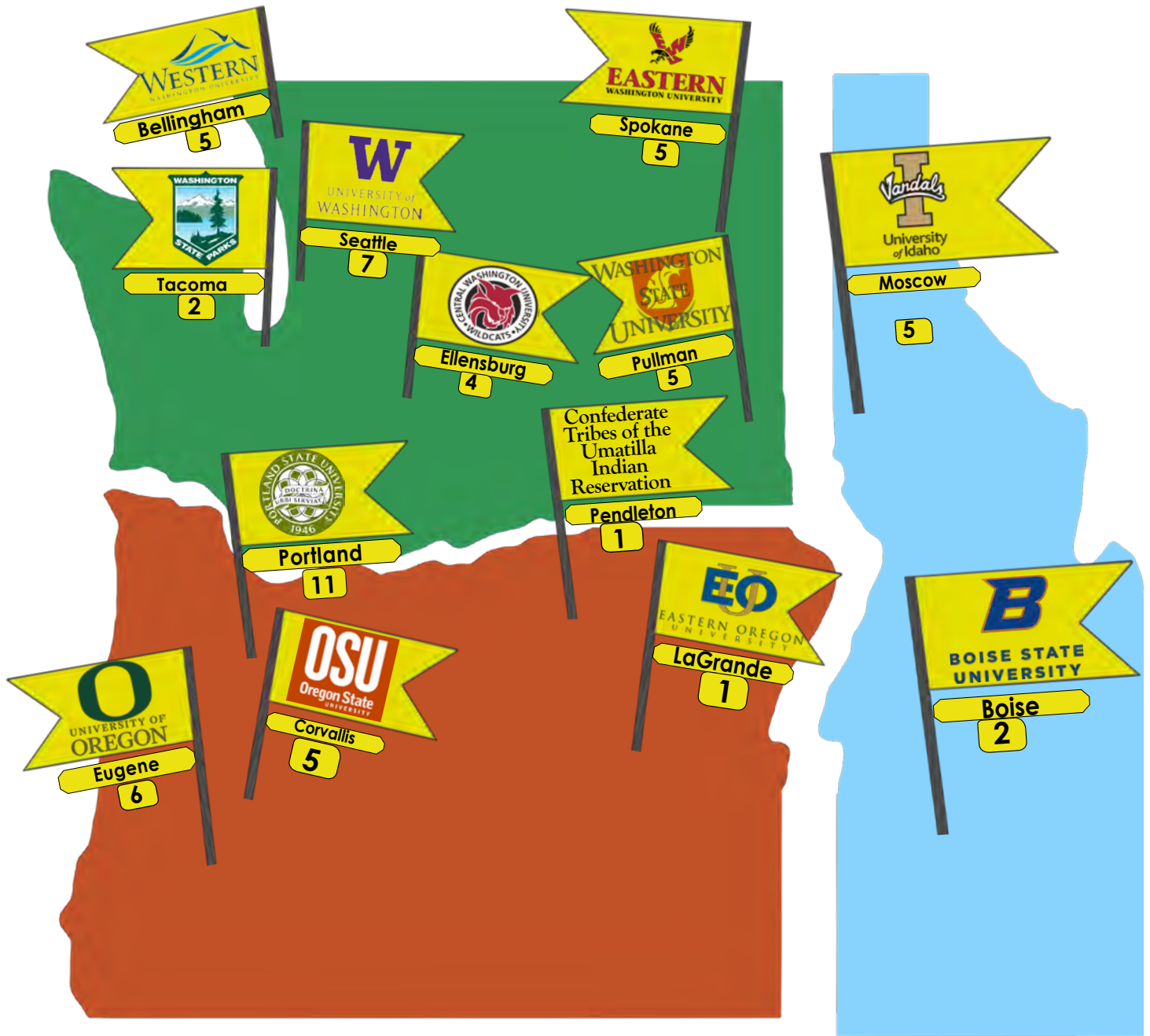


Figure 9. Northwest Anthropological Conference (NWAC) sponsors and cities between 1948 and 2016



Figure 9. (cont) Northwest Anthropological Conference (NWAC) sponsors and cities between 1948 and 2016

TABLE 8. LISTING OF NORTHWEST ANTHROPOLOGICAL CONFERENCES AND WHERE ABSTRACTS IN NARN/JONA CAN BE FOUND

Year	#	City	Ref. ^a
1948-1967	1-20	Multiple	7, 19
1968	21st	Portland, OR	8
1969	22nd	Victoria, BC	12
1970	23rd	Corvallis, WA	28
1971	24th	Moscow, ID	60
1972	25th	Portland, OR	65
1973	26th	La Grande, OR	66
1974	27th	Corvallis, WA	88
1975	28th	Seattle, WA	89
1976	29th	Ellensburg, WA	104
1977	30th	Victoria, BC	121
1978	31st	Pullman, WA	128
1979	32rd	Eugene, OR	150
1980	33rd	Bellingham, WA	155
1981	34th	Portland, OR	160
1982	35th	Burnaby, BC	165
1983	36th	Boise, ID	183
1984	37th	Spokane, WA	189
1985	38th	Ellensburg, WA	194
1986	39th	Moscow, ID	209
1987	40th	Glenedon Beach, OR	235
1988	41st	Tacoma, WA	241
1989	42nd	Spokane, WA	247
1990	43rd	Eugene, OR	252

Year	#	City	Ref. ^a
1991	44th	Missoula, MT	265
1992	45th	Burnaby, BC	286
1993	46th	Bellingham, WA	293
1994	47th	Spokane, WA	297
1995	48th	Portland, OR	308
1996	49th	Moscow, ID	322
1997	50th	Ellensburg, WA	328
1998	51st	Missoula, MT	333
1999	52nd	Newport, OR	349
2000	53rd	Spokane, WA	353
2001	54th	Moscow, ID	367
2002	55th	Boise, ID	373
2003	56th	Bellingham, WA	385
2004	57th	Eugene, OR	401
2005	58th	Spokane, WA	412
2006	59th	Seattle, WA	417
2007	60th	Pullman, WA	421
2008	61st	Victoria, BC	440
2009	62nd	Newport, OR	453
2010	63rd	Ellensburg, WA	460
2011	64th	Moscow, ID	499
2012	65th	Pendleton, OR	512
2013	66th	Portland, WA	524
2014	67th	Bellingham, WA	529
2015	68th	Eugene, OR	544

^a - Numbers cross reference with *Appendix A*

Total Number of Submissions Every Five Years

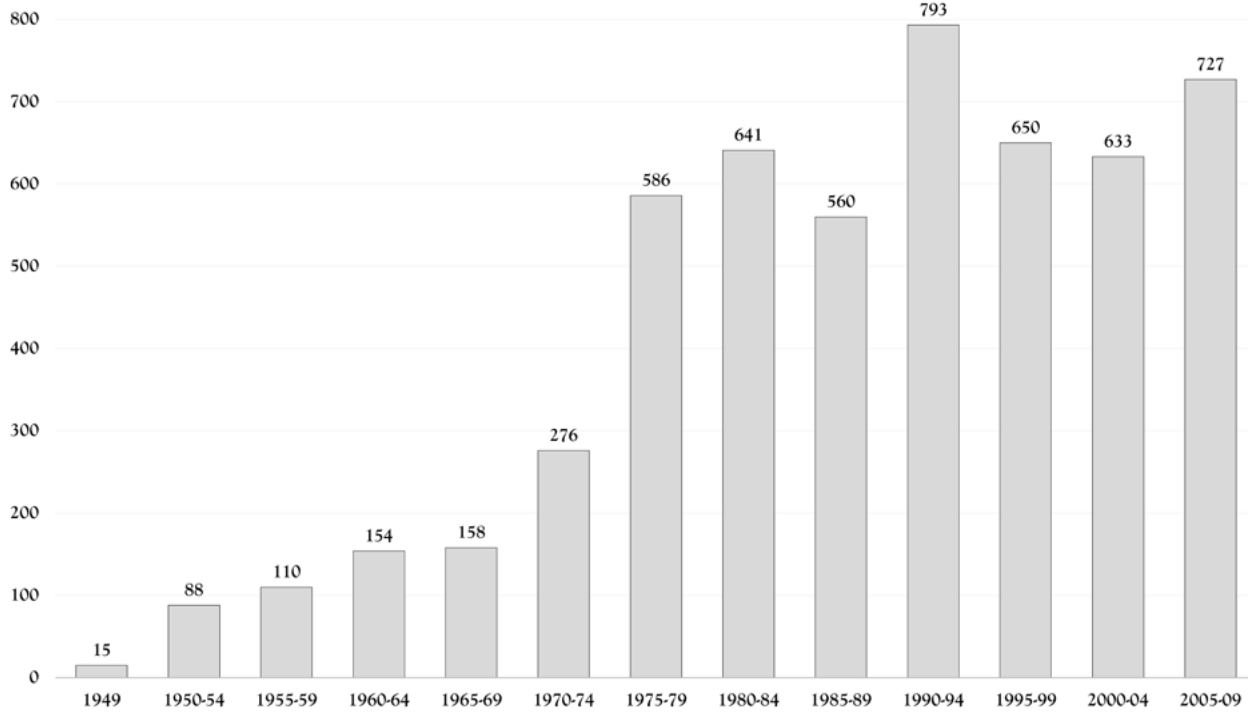


Figure 10. Number of abstracts from the Northwest Anthropological Conference, 1949–2009, published in *NARN/JONA*

Northwest Anthropological Conference Student Award Papers

Beginning in 1968, the journal agreed to publish student award winning papers from the Northwest Anthropological Conference. In total, 41 student papers have been published, a mixture of graduate, undergraduate, and first and second place winners. Universities affiliated with award winning papers are identified in Table 9; winners are identified in Table 10.

TABLE 9. NUMBER OF NORTHWEST ANTHROPOLOGICAL CONFERENCE STUDENT AWARDS BY INSTITUTION, 1969–2014.

Institution	Number	Institution	Number
Portland State University	6	Oregon State University	1
Washington State University	6	Pacific Lutheran University	1
University of Idaho	4	Simon Fraser University	1
University of Montana	4	University of Alberta	1
Eastern Washington University	3	University of Calgary	1
University of British Columbia	2	University of Missouri	1
University of Oregon	2	University of Oklahoma	1
Western Washington University	2	University of Victoria	1
Central Washington University	1	University of Washington	1
Linfield College	1	Weber State University	1

^a - Numbers cross reference with *Appendix A*

TABLE 10. WINNERS OF NORTHWEST ANTHROPOLOGICAL CONFERENCE STUDENT PAPER COMPETITION

Author	Institution	Title	Ref ^a	Year/Award
Cherry, R.L.	Portland State University	A Method of Locating Petrographic Sources of Obsidian Artifacts	13	1968/1st place
Cove, J.J.	University of British Columbia	Risk Taking by Fortune Deepsea Trawler Captains: Difference in Strategies of Maximization	14	1968/2nd place
Thomas, Michael	University of Washington	A Functional Model for the Study of Modernization in a Mestizo Village of the Mesquital Valley, Hidalgo	26	1970/1st place
Dinham, P.S.	University of British Columbia	Resettlement in Newfoundland: A Displacement of Goals	27	1970/2nd place
Southard, Michael	University of Missouri	A Study of Two Northwest Housepit Populations	59	1973/1st place
Druian, B.R.	Washington State University	The Cephalic Index: The History of an Idea in Physical Anthropology	95	1976/Joint 1st place
Robinson, E.W.	Portland State University	Harlan I. Smith, Boas, and the Salish: Unweaving Archaeological Hypotheses	96	1976/Joint 1st place
Van Horn, Dallas	Central Washington University	Survival Concept of Human Cultures	145	1980/1st place
Anders, Jentri	Washington State University	Ecology and Death in Mateel: The Meaning of Hoka Hey	210	1986/1st place
Raetz, D.F.	Portland State University	A Statistical Analysis of Evidence for Social Ranking in Food Laws in the Code of Jewish Law	211	1986/2nd place
Hill, Heidi	Washington State University	The Devil in Disguise: Fat and the Feminine in Modern North America	212	1986/2nd place
Marsh, K.L.	Linfield College	Color and Emotion Synesthesia Observed in U. S. Japanese Students	299	1994/1st place
Moses, S.K.	University of Montana	The Affects of a Dominant Hegemony on the Ethnogenesis of Contemporary American Indian Identity	331	1998/1st place,
Lookabill, A.B.	Western Washington University	A Predictive Model for Locating Vaccinium-Huckleberry Processing Sites in the Northern Cascades of Washington	332	1998/1st place
Kurosaka, Sakiko	University of Idaho	Japanese Language Schools In Nepal	354	2000/1st place
Lenert, Michael	University of Montana	Calibrated Radiocarbon Dates and Culture Change: Implications of Socio-Complexity in the Mid- Fraser Region, British Columbia	361	2001 1st place
Davis, Loren G.	University of Alberta	Lower Salmon River Cultural Chronology: A Revisited and Expanded Model	362	2001/Joint 2nd place
Emmick, Jamelon	University of Montana	Artificial Cranial Deformation in the Koniag: Its Effects on Population Comparisons	362	2001/Joint 2nd place
Banks, Judy	Simon Fraser University	Studying the Meaning of Time	374	2002/1st place

^a - Numbers cross reference with *Appendix A*

TABLE 10. (CONT) WINNERS OF NORTHWEST ANTHROPOLOGICAL CONFERENCE STUDENT PAPER COMPETITION

Author	Institution	Title	Ref ^a	Year/Award
Goodale, Nathan B.	University of Montana	Subsistence Pursuit, Living Structures, and the Evolution of Hunter-Gatherer Socioeconomic Systems at the Keatley Creek Site	375	2002/2nd place
Huber, Keturah	Western Washington University	Barnacles: Fed Up with Being Unappreciated	386	2003/1st place
Gatzke, J.C.	University of Idaho	Northern Exposure: A Site for Hegemonic Struggle?	387	2003/2nd place
O'Rourke, Leslie M.	Portland State University	The Wapato Valley Predictive Model: Prehistoric Archaeological Site Location on the Floodplain of the Columbia River in the Portland Basin	398	2004/1st place
Baird, Melissa F.	University of Oregon	Whales, Boats, and Anthropomorphs: Iconographic and Contextual Analyses of Two Pictograph Sites in Lake Clark National Park, Alaska	399	2004/Joint 2nd place
Kimball, Vaughn R.	Weber State University	The Effects of Multiple High-Ranked Prey Species on the Use of Evenness as a Proxy Measure for Diet Breadth: An Example from the Southeastern Columbia Plateau	400	2004/Joint 2nd place
Hamada, Shingo	Portland State University	Archaeology in Social Context: The Influence of Nationalism on the Discussions of the Ainu	410	2005/1st place
Snover, Keirsten E.	Eastern Washington University	Malaria in Africa: Is America Part of the Solution or Part of the Problem	411	2005/1st place
Quinn, Colin Patrick	Washington State University	Exotics, Exchange, and Elites: Exploring Mechanisms of Movement of Prestige Goods in the Interior Northwest	415	2006/1st place
Meloy, Patrick R.	Pacific Lutheran University	Making Use of Abandoned Collections: Formative Era Flakes from West Colorado	416	2006/1st place
Feng, Ziang-hong	Washington State University	Comparison of Two Village Tourism Development Models in Fenghuang County, China	427	2007/1st place
Litskow, Jamie M.	Eastern Washington University	An Analysis of Mandibular Molar Occlusal Size Progression Patterns in Three Species of Australopithecines	428	2007/1st place
Laplante, Line	University of Calgary	Spirituality: Spirit Piracy and Native Sweat Lodges	437	2008/Joint 1st place
Lalonde, Angelique	University of Victoria	The Power of a "Hot" Haircut: Consumers and Hair Salons in Victoria, B.C.	438	2008/Joint 1st place
Zea, Juan Esteban	Portland State University	Displacement in Colombia: Identity Formation	455	2010/1st place
Eichelberger, Justin E.	Oregon State University	Foodways at Fort Yamhill, 1856-1866: An Archaeological and Archival Perspective	466	2011/1st place
Williams, Justin Patrick	Washington State University	Debating the Complexity of Clovis: Insights into the Complexity Paradigm	485	2012/1st place

^a - Numbers cross reference with *Appendix A*

TABLE 10. (CONT) WINNERS OF NORTHWEST ANTHROPOLOGICAL CONFERENCE STUDENT PAPER COMPETITION

Author	Institution	Title	Ref ^a	Year/Award
Schwartz, Tracy E.	University of Oregon	When a Haama Loves an 'Aayat: Courtship and Marriage among the Modern Day Niimiipuu as a Form of Indigenous Resistance	490	2012/1st place
Molinari, Kiley E.	University of Oklahoma	Adapt and Adopt: Apsáalooke (Crow) Beadwork and Regalia from the Nineteenth Century to Today	505	2013/1st place
Cooper, Grace F.	Eastern Washington University	An Exploration of Intentions and Perceptions of Code-Switching among Bilingual Spanish-English Speakers in the Inland Northwest	506	2013/1st place
Oliver, Kali D. V.	University of Idaho	At the Intersection of Orphaned Collections and Civic Engagement	516	2014/1st place
Chadez, Jenifer	University of Idaho	The Holocene Exploitation and Occurrence of Artiodactyls in the Clearwater and Lower Snake River Regions of Idaho	543	2015/1st place

^a - Numbers cross reference with *Appendix A*

Authors, Authoring, and Institutional Affiliation of Authors

Researchers who take the time to publish their results in the *Journal of Northwest Anthropology* are the lifeblood of the journal. Without these authors and their manuscripts, there would be no journal. Does that matter? Do professional journals still have a role to play in keeping a profession rigorous and evolving? Was Ken Ames (Portland State University) correct in 2009 when he told those present at the Northwest Anthropological Conference banquet that if they don't publish their research, they might as well not have done the work?

We clearly believe that publishing one's research in a peer-reviewed professional publication is important for anthropology in the Northwest. We elaborate on this point in the concluding section, but suffice it to say that we hold those who submit their manuscripts to us in high regard. The peer review process is rarely an enjoyable journey; it can often be humbling. But one can learn from the process, and the author and manuscript usually emerge stronger and better. More importantly, through the publication process, one can have an impact on one's discipline and the people and resources that are associated with that discipline.

In this section, we acknowledge those researchers who have published in *NARN/JONA* most frequently. We then focus on the trend for researchers in the Northwest to collaborate with other researchers, reflected in the increase in the number of authors associated with published articles. Following this, we then highlight the academic institutions who have been associated with individuals publishing in *NARN/JONA*. We then document the trend for individuals from non-academic institutions—government agencies, tribes, and private companies—to publish. We end by comparing the number of men and women publishing in *NARN/JONA* over time.

Major Author Contributors

Over 600 individuals have contributed to *NARN/JONA* by authoring articles during the first 50 years. Most have only published once or twice, but numerous individuals became regular contributors for a period of time. Those having published five or more articles are identified in Table 11.

Number of Authors Per Article

The majority of articles (78%) published in the 50 volumes were submitted by one individual. A smaller percentage (18%) were submitted by two individuals. Only 2% of the articles had three authors, and 2% had more than four authors. As shown in Table 12, the number of authors associated with an article has increased slightly in the last two decades. This trend may be a reflection of the trend toward increased collaboration that the field of anthropology has experienced in recent decades. We then compare the types of institutions represented by the authors over time, and then look at the diversity of institutions represented by the authors over time.

TABLE 11. LISTING OF FREQUENTLY PUBLISHING AUTHORS IN NARN/JONA

Name	Number of articles/ memoirs published	Reference ^a
Jay Miller	20 articles, 1 memoir	99, 134, 169, 245, 336, 339, 368, 371, 405, 434, 435, 451, 457, 461, 464, 468, 483, 489, 498, 534, Memoir 9
Deward E. Walker, Jr.	14 articles, 2 memoirs	37, 39, 238, 285, 288, 292, 294, 323, 334, 402, 452, 456, 498, 528, Memoir 1, Memoir 11
R. Lee Lyman	14 articles	132, 147, 185 199, 231, 270, 275, 312, 321, 347, 352, 366, 381, 514
Roderick Sprague,	12 articles, 1 memoir	1, 6, 38, 69, 163, 176, 191, 266, 279, 380, 406, 432, Memoir 5
R. Lee Sappington	8 articles	124, 239, 306, 313, 318, 462, 503, 504
Richard Bland	7 articles	338, 408, 476, 488, 510, 523, 537
Mark Plew	7 articles, 1 memoir	163, 224, 289, 356, 443, 520, 533, Memoir 5
Dennis Griffin	5 articles	230, 351, 378, 445, 495
Rick Minor	5 articles	180, 193, 228, 482, 496
Madonna Moss	5 articles	221, 314, 346, 369, 418
Astrida R. Blukis Onat	5 articles	184, 201, 370, 414, 487
Bruce Rigsby	5 articles	16, 48, 51, 58, 444
Richard E. Ross	5 articles	101, 190, 207, 215, 231
Priscilla Wegars	5 articles	188, 200, 223, 243, 290

^a - Numbers cross reference with *Appendix A*

TABLE 12. FREQUENCY OF NARN/JONA ARTICLES WITH ONE, TWO, THREE, AND MORE THAN THREE AUTHORS, BY 10-YEAR INCREMENTS.

Volumes	Total	1 Author	2 Authors	3 Authors	3+ Authors
1 - 10 1967 - 1976	63	52 (83%)	11 (17%)	—/—	—/—
11 - 20 1977 - 1986	114	96 (84%)	18 (16%)	—/—	—/—
21 - 30 1987 - 1996	67	55 (82%)	11 (17%)	—/—	1 (1%)
31 - 40 1997 - 2006	63	46 (73%)	15 (24%)	—/—	2 (3%)
41 - 50 2007 - 2016	88	58 (66%)	15 (17%)	8 (9%)	7 (8%)
Total	395	307 (78%)	70 (18%)	8 (2%)	10(2%)

Institutional Representation

The institutional affiliation of each of the authors associated with a contributed article was tabulated to determine the major institutions represented. Table 13 presents the major institutional contributors during the 50 years of publication.

The institutional nature of *NARN/JONA* contributors underwent a change beginning in the late 1970s. Whereas prior to this time, contributors were almost solely affiliated with academic institutions; with the rise of anthropology positions with federal agencies, the emergence of private sector anthropology-related firms, and later the hiring of anthropologists by American Indian Tribes, contributors to *NARN/JONA* began to reflect these shifts (Figure 11).

TABLE 13. INSTITUTIONAL AFFILIATION OF AUTHORS, 1967 TO 2016

Institution	Number
Washington State University	52
University of Idaho	49
University of Oregon	30
Oregon State University	25
University of Washington	20
University of Colorado	26
Portland State University	14
University of Victoria	13
University of British Columbia	5
Central Washington University	5
Simon Fraser University	8
Boise State University	8

Institutions were identified as academic, U.S. government, state government, tribal government, and private sector to illustrate the changing nature of journal contributors over time. The emergence of government, tribal, and private sector-affiliated authors is shown in Figure 11. When compared to the affiliations of those presenting research at the Northwest Anthropological Conference, it appears that those from non-academic settings are less likely to publish in the journal than participate in the annual conference.

Count of Institutions Over Time

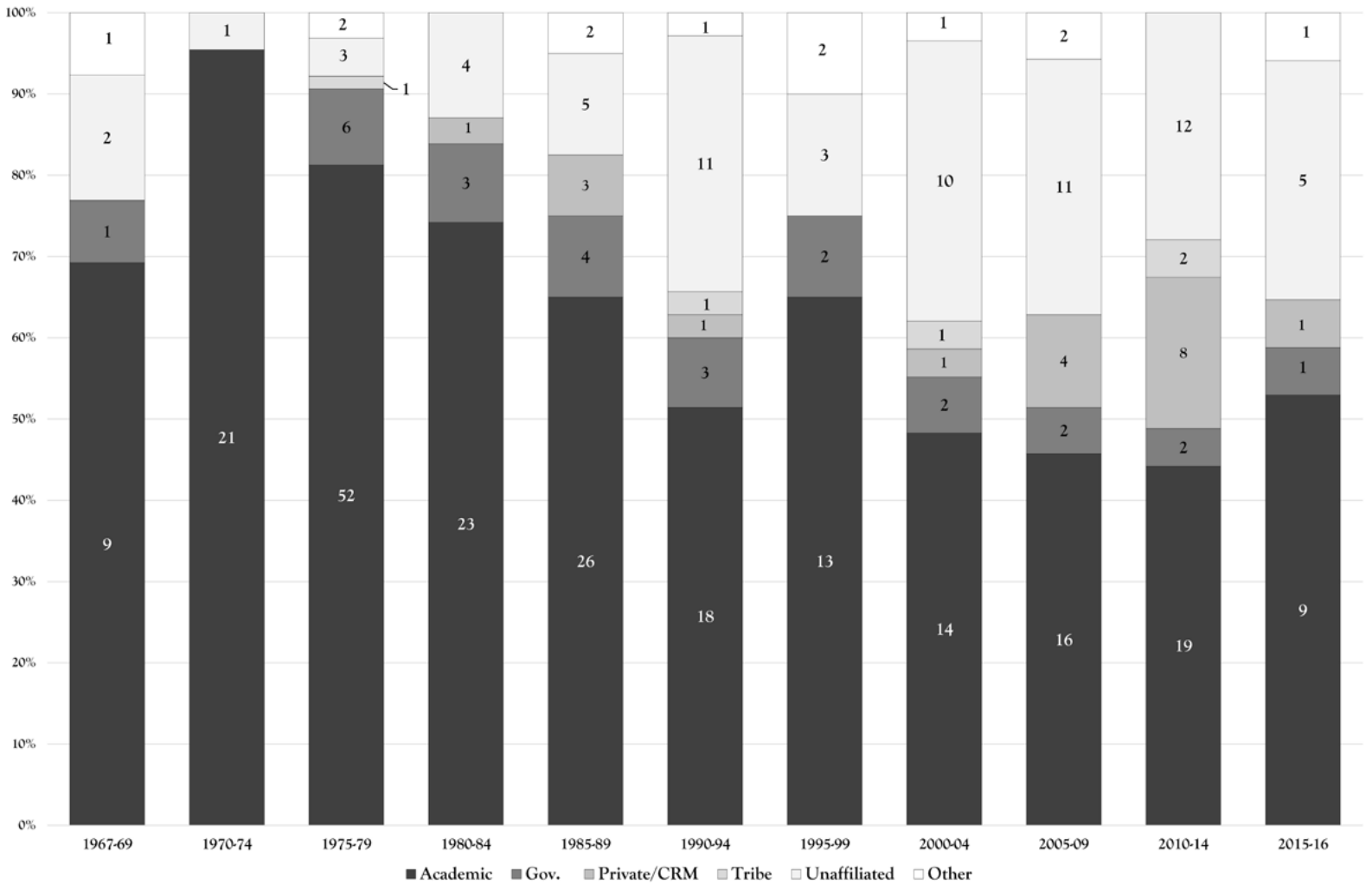


Figure 11. Institutional Affiliation of Authors, 1967 to 2016, comparing Academic to Government Agencies, Tribes and Private Companies. There are articles which had an author Unaffiliated with one of the general institutions or fell into an “other” category that didn’t fit into



Figure 12. Cumulative graph of new institutions affiliated with authors. Showing new institution affiliates published in *NARN/JONA*.

A final insight to institutional participation in *NARN/JONA* was developed by looking at the diversity of author institutional affiliations. To illustrate this diversity, the number of times a new institutional affiliation appeared was tabulated by year. In other words, a particular institution was only counted the first year it appeared. The numbers were then graphed on a cumulative chart. Over 150 different affiliations were identified over the 50-year period. The expectation had been that there would be a greater increase in diversity during the later decades compared to the earlier decades because of the increase in authors from agencies, CRM firms, and tribes that occurred. However, the results indicate that there has been a relatively consistent number of new institutional affiliations over the 50-year period (Figure 12).

Gender of Contributors

One final characterization of the *NARN/JONA* authors was made to compare the number of articles authored by men and women. The numbers indicate that women increased in proportion to men over the first four decades, before declining in the last decade (Figure 13).

Number of Articles Published by Gender in *NARN/JONA*

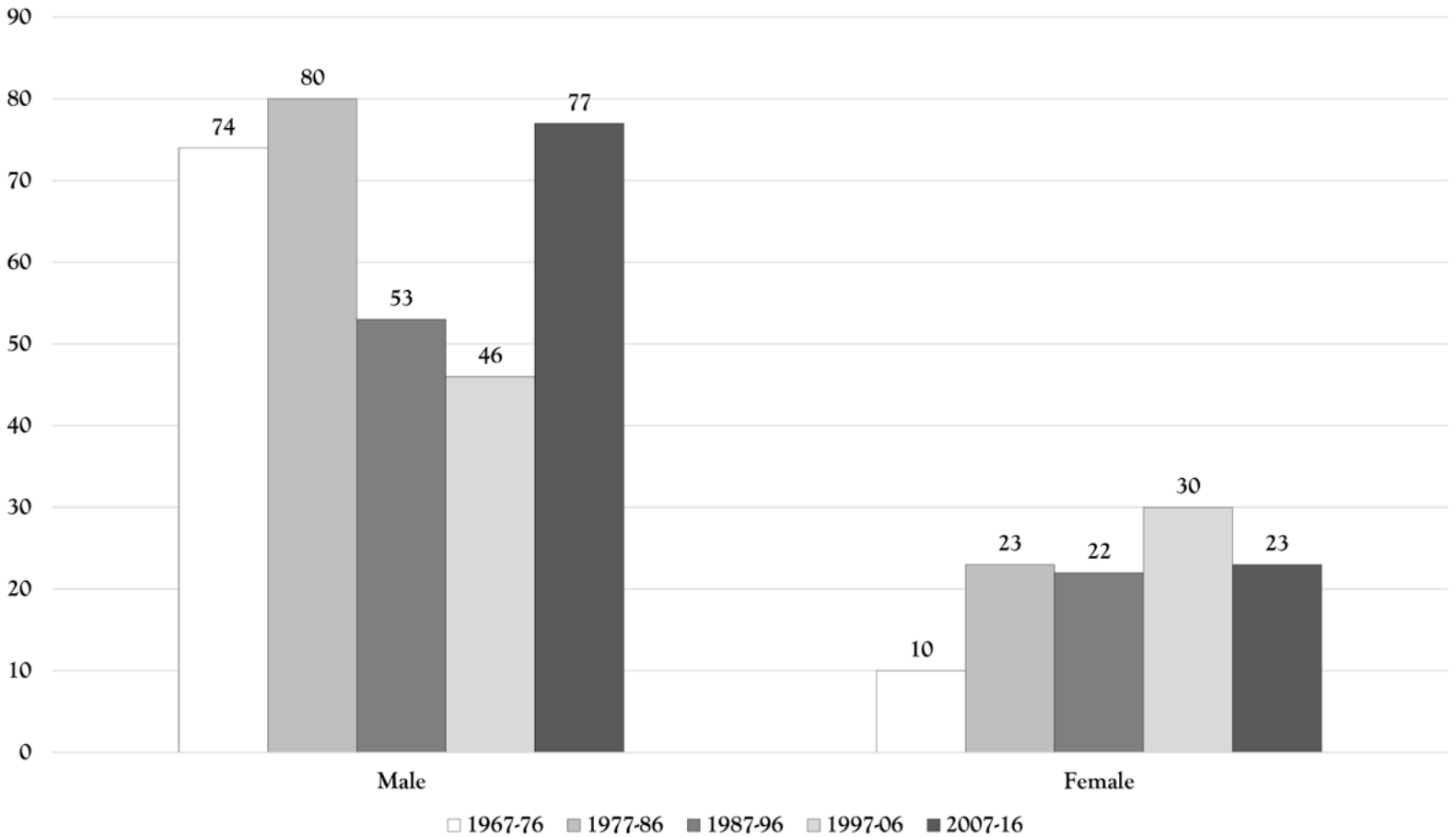


Figure 13. Numbers of articles authored by males and females publishing in *NARN/JONA* during the first five decades.

TABLE 14. FEMALE/MALE COMINATIONS IN DUAL-AUTHORED ARTICLES OVER TIME.

Volume	Female/Female	Female/Male	Male/Female	Male/Male	n	% of total
1-10	0	2	1	8	102	11%
11-20	3	2	2	10	123	14%
21-30	2	3	3	5	94	14%
31-40	0	5	3	9	98	17%
41-50	0	3	10	23	120	30%

Articles Grouped by Subject Matter and Research Themes

The purpose of this section is to assist the reader by grouping articles according to subject matter or research theme. The grouping is by no means comprehensive and some assignments are open to interpretation. Therefore readers are encouraged to search the *NARN/JONA* collection on the companion DVD using search terms to identify articles of interest.

Cultural and Archaeological Articles Grouped by Theme or Research Topic

Articles pertaining to cultural and archaeological matter or themes are in the following tables below:

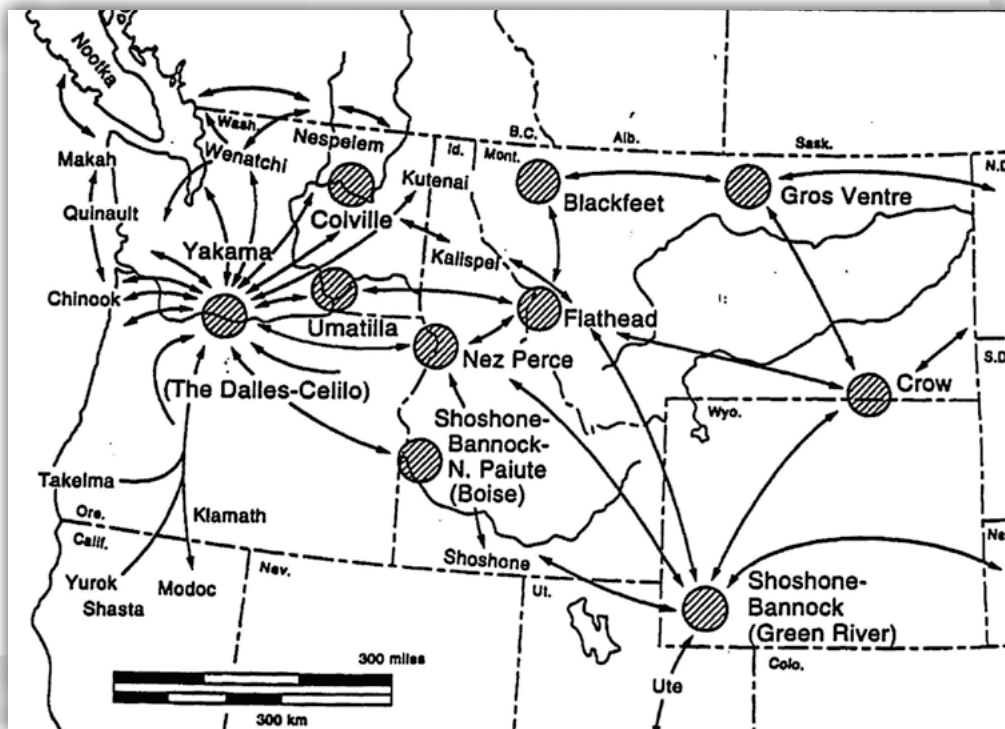
- Cultural Focus
 - Northwest Social Systems (Table 15)
 - Political Conflict (Table 16)
 - Religion/Belief Systems (Table 17)
 - Native Studies By Historical Era (Table 18)
 - Traditional Aquatic Resources (Table 19)
 - Traditional Terrestrial Resources (Table 20)
 - Biographical Material on Native Individuals (Table 21)
- Archaeological Focus
 - General Subsistence Studies (Table 22)
 - Asian American Studies (Table 23)
 - Northwest Lithic Artifact Studies (Table 24)
 - Faunal Remains and Artifact Studies (Table 25)
 - Historical Artifact Studies (Table 26)
 - Northwest Cultural Resource Management (Table 27)
 - Experimental Archaeology Studies (Table 28)
 - Petroglyphs (Table 29)

Following the cultural- and archaeological-focused tables is a description of historical anthropological material that has been published in *NARN* and *JONA*. Biographical articles on early anthropologists and archaeologists are then identified. Finally a listing of bibliographies published in the journal is provided.

TABLE 15. SELECTED ARTICLES FOCUSED ON NORTHWEST SOCIAL SYSTEMS

Year	Title	Author	Ref ^a
1968	Ceremonial Integration in the Plateau of Northwestern North America	Bill Brunton	3
1972	The Southern Plateau: An Ecological Analysis of Intergroup Relations	Angelo Anastasio	56
1976	Intergroup Ties and Exogamy Among Northern Coast Salish	Edwin J. Allen, Jr.	94
1984	The Interaction of Kin, Class, Marriage, Property Ownership, and Residence with Respect to Resource Locations Among the Coast Salish of the Puget Lowland	Astrida R. Blukis Onat	184
1988	The Cultural Ecology of Hunting and Potlatches Among the Lillooet Indians	Steven Romanoff	234
1994	Patterns of Exogamy among Southern Coast Salish	Helen H. Norton	298
1994	On the Pow Wow Circuit in the Interior Northwest	Kathleen A. Dahl	300
1997	The Yakama System of Trade and Exchange	Deward E. Walker, Jr.	323
1999	Chehalis Area Traditions	Jay Miller	336
1999	Suquamish Traditions	Jay Miller	339
2010	An Estimate of Aboriginal Nez Perce Village Size and Other Population Patterns Based on Ethnohistoric and Ethnographic Data	Deward E. Walker, Jr., Frank C. Leonhardy, and Mary Jane Walker	456

^a - Numbers cross reference with *Appendix A*



Traditional tribal trade centers and networks (#323)

TABLE 16. ARTICLES FOCUSED ON NORTHWEST POLITICAL CONFLICT

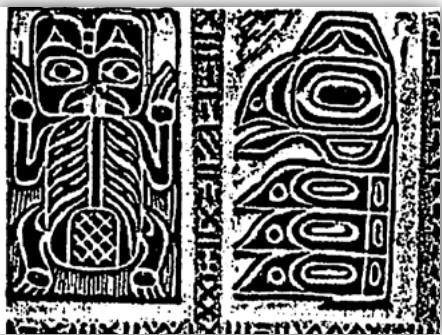
Year	Title	Author	Ref ^a
1968	Political Conflict on the Colville Reservation	John Alan Ross	4
1968	American Anthropological Association Symposium on American Indian Fishing and Hunting Rights	Sol Tax	9
1968	The transcript of the round-table discussion of the Puyallup Tribe versus the Department of Game of the State of Washington	Sol Tax (organizer)	10
1968	The Conflict over Nez Perce Hunting and Fishing Rights	James A. Baenen	11
1973	New Light on Old Issues: Plateau Political Factionalism	Sylvester L. Lahren	63
1978	Treaty Controversy and Conservation: Address Presented at Whitman College, 13 April 1976	Allen P. Slickpoo, Sr.	117
1980	Pacifism—A Myth of the Plateau	Susan Kent	148
2009	“The Indians Themselves are Greatly Enthused”: The Wheeler-Howard Act and the (Re)-Organization of Klallam Space	Colleen E. Boyd	442
2011	The Boldt Decision: A Roundtable Discussion	Vine Deloria, Jr., Billy Frank, Vernon Lane, Dick Poole, Al Ziontz	470
2016	Skeletal Evidence of Pre-contact Conflict Among Native Groups in the Columbia Plateau of the Pacific Northwest	Ryan P. Harrod and Donald E. Tyler	542

^a - Numbers cross reference with *Appendix A*

TABLE 17. SELECTED ARTICLES ASSOCIATED WITH RELIGION/BELIEF SYSTEMS

Year	Title	Author	Ref ^a
1968	Deprivation, Revitalization, and the Development of the Shaker Religion	John L. Schultz	5
1976	James Swan and Makah Cosmology: A Clarification	Jay Miller	99
1981	Stories Oregonians Tell About Coyotes—Folklore or Natural History	Roberta L. Hall and Alison T. Otis	158
1988	Peyotism in Idaho	Omer C. Stewart	227
1989	Religious Transformation Among the Snoqualmie Shakers	Kenneth D. Tollefson	242
1989	An Overview of Northwest Coast Mythology	Jay Miller	245
1992	The Ellen Saluskin (hápteliks sáwyalilx) Narratives 1992; Traditional Religious Beliefs and Practices	Virginia R. Beavert Martin and Deward E. Walker, Jr.	288
2000	Religious Background of Salish Aesthetics	Helmi Juvenon	348
2006	Tahoma Legends: History in Two Voices	Astrida R. Blukis Onat	414
2009	A Jesuit View of Indian Affairs in Nineteenth-Century Western North America: A Translated Letter from Fr. Etienne de Rouge	Deward E. Walker, Jr.	452
2010	Jesus Visits Sweatlodge: Corpus Christi among the Interior Salish on the Colville Reservation of Washington	Jay Miller	457
2010	Nashat, Columbia River Prophet of the Waskliki/ Feather Religion	Ann Fulton	459

^a - Numbers cross reference with *Appendix A*



Helmi's characteristic totem crest images in an ink blockprint (#348)

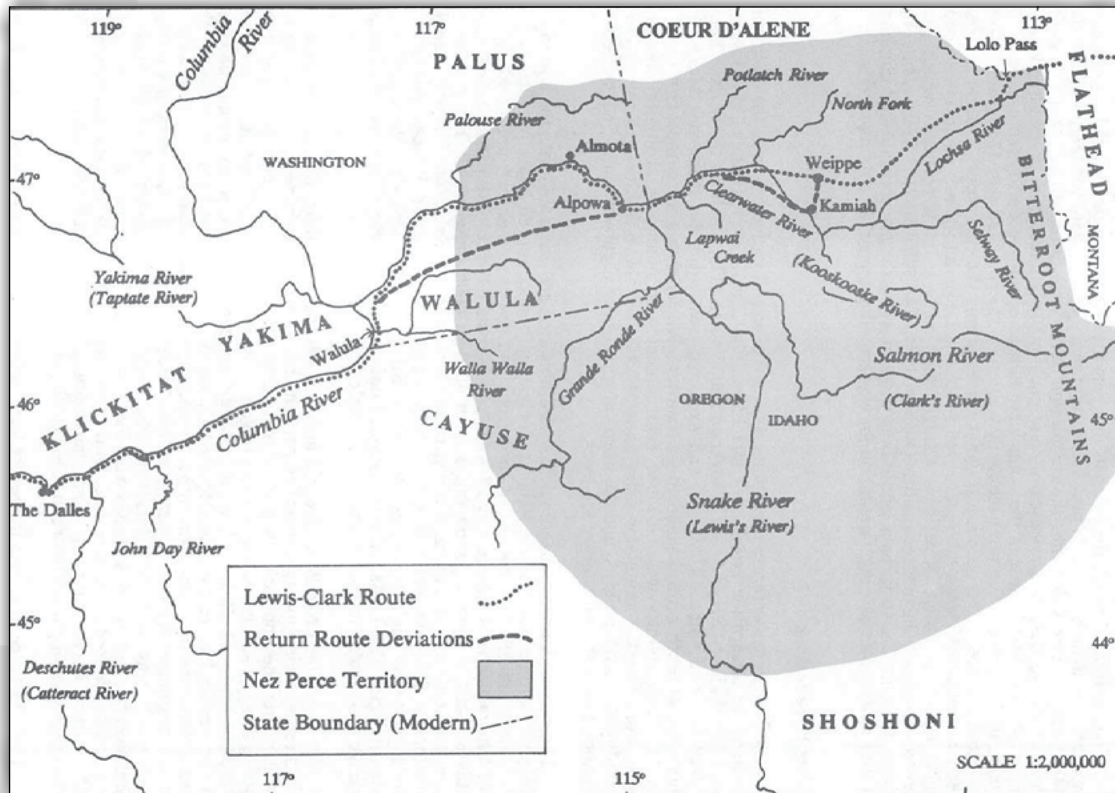
TABLE 18. SELECTED ARTICLES ASSOCIATED WITH NATIVE PEOPLES BY HISTORICAL ERA

Era	Year	Title	Author	Ref ^a
Exploration	1977	Early Culture Contact on the Northwest Coast, 1774-1795: Analysis of Spanish Source Material	Mary Gormly	103
Exploration	1989	The Lewis and Clark Expedition Among the Nez Perce Indians: The First Ethnographic Study in the Columbia Plateau	Robert Lee Sappington	239
Missionary	1988	Bibliography of Missionary Activities and Religious Change in Northwest Coast Societies	John Barker	229
Missionary	2009	A Jesuit View of Indian Affairs in Nineteenth-Century Western North America: A Translated Letter from Fr. Etienne de Rouge	Deward E. Walker, Jr.	452
Reservation	1968	Political Conflict on the Colville Reservation	John Alan Ross	4
Reservation	1971	An Exploration of the Reservation System in North America; Introduction	Deward E. Walker, Jr.	39
Reservation	1971	Indian Reservations and the American Social System	Elizabeth Colson	40
Reservation	1971	The Reservation Community as an Interactional System	Fred Voget	41
Reservation	1971	Canadian Indian Reserve Populations	Gordon B. Inglis	42
Reservation	1971	White and Indian Farmers on the Umatilla Reservation	Theodore Stern and James P. Boggs	43
Reservation	1971	Reciprocity and Market Exchange on the Flathead Reservation	C. Thomas Brockmann	44
Reservation	1971	Northern Townsmen	John J. Honigmann	45
Reservation	1971	Reservation Phenomena in Canada's Northwest Territories	Jacob Fried	46
Reservation	1989	Religious Transformation Among the Snoqualmie Shakers	Kenneth D. Tollefson	242
Reservation	2005	Residential Mobility Among Indians of the Colville Reservation	Lillian A. Ackerman	404
Reservation	2010	Jesus Visits Sweatlodge: Corpus Christi among the Interior Salish on the Colville Reservation of Washington	Jay Miller	457
Dawes Act	1995	Alice Cunningham Fletcher's "Ethnologic Gleanings Among The Nez Percés"	Robert Lee Sappington and Caroline D. Carley	306
Dawes Act	1995	Alice Cunningham Fletcher's "The Nez Perce Country"	R.L. Sappington, C.D. Carley, K.C. Reid, and J.G. Gallison	313
Dawes Act	2001	Letters from the Field: Alice Cunningham Fletcher in Nez Perce Country, 1889-1892. Part 1: Commissioner 1889-1890	Caroline D. Carley	359

^a - Numbers cross reference with *Appendix A*



“Returned Students.” Left to right are: Caleb Charles, Silas Whitman, David McFarland, James Stuart, and Charles White. Charles, Whitman and Stuart attended Chemawa Indian School in Salem, Oregon, while McFarland and White went to the Indian Industrial School in Parlsle, Pennsylvania. Charles White was one of Alice Fletcher’s informants during her work related to the Nez Perce. (#306)



Early ethnographic works produced maps like the one above which shows Nez Perce territory in 1805-1806. (#239)

TABLE 18. (CONT) SELECTED ARTICLES ASSOCIATED WITH NATIVE PEOPLES BY HISTORICAL ERA

Era	Year	Title	Author	Ref ^a
Dawes Act	2001	Letters from the Field: Alice Cunningham Fletcher in Nez Perce Country, 1889-1892. Part 1: Commissioner 1889-1892	Caroline D. Carley	360
Wheeler Howard Act	2009	“The Indians Themselves are Greatly Enthused”: The Wheeler-Howard Act and the (Re)-Organization of Klallam Space	Colleen E. Boyd	442
Bureau of Indian Affairs	2004	Remembering Archie Phinney, a Nez Perce Scholar	William Willard, J. Diane Pearson, editors	389-396
Fishing/Hunting Rights	1968	American Anthropological Association Symposium on American Indian Fishing and Hunting Rights	Sol Tax	9
Fishing/Hunting Rights	1968	The transcript of the round-table discussion of the Puyallup Tribe versus the Department of Game of the State of Washington	Sol Tax (organizer)	10
Fishing/Hunting Rights	1968	The Conflict over Nez Perce Hunting and Fishing Rights	James A. Baenen	11
Fishing/Hunting Rights	1978	Treaty Controversy and Conservation: Address Presented at Whitman College, 13 April 1976	Allen P. Slickpoo, Sr.	117
Fishing/Hunting Rights	2011	The Boldt Decision: A Roundtable Discussion	Vine Deloria, Jr., Billy Frank, Vernon Lane, Dick Poole, Al Ziontz	470
Resource Protection	1986	Native American Religious Use in the Pacific Northwest: A Case Study from the Mt. Baker-Snoqualmie National Forest	Madonna L. Moss	221
Resource Protection	1988	Protecting American Indian Sacred Geography	Deward E. Walker, Jr.	238
Resource Protection	2005	Protecting Traditional Places Located on Private Property in Western Washington	Ellen Prendergast-Kennedy	409
Resource Protection	2012	Written Testimony Provided to Oversight Hearing on the Impacts of Unmanaged Off-Road Vehicles on Federal Land	Ted Howard	492
Human Remains	2012	A Critique of Legal Protection for Human Remains in Idaho with Suggestions for Improvement of Current Legislation	Jenna M. Battillo	491

^a - Numbers cross reference with *Appendix A*

TABLE 19. ARTICLES FOCUSED ON TRADITIONAL AQUATIC RESOURCES

Year	Title	Author	Ref ^a
1991	Fishing and the Wind River Shoshone Indians	Omer C. Stewart	263
1993	Lemhi Shoshone-Bannock Reliance on Anadromous and other Fish Resources	Deward E. Walker, Jr.	294
2010	Traditional Fishing Practices among the Northern Shoshone, Northern Paiute, and Bannock of the Duck Valley Indian Reservation: A Progress Report	Deward E. Walker, Jr.	458
1980	Sahaptin Fish Classification	Eugene Hunn	143
1973	Indian Fisheries Productivity in Pre-contact Times in the Pacific Salmon Area	Gordon W. Hewes	62
1978	Cultural Ecology in the Canadian Plateau: Estimates of Shuswap Indian Salmon Resources in Pre-Contact Times	Gary Palmer	118
1985	Fraser Lillooet Salmon Fishing	Steven Romanoff	198
1992	Productivity of Tribal Dipnet Fishermen at Celilo Falls: Analysis of the Joe Pinkham Fish Buying Records	Deward E. Walker, Jr.	285
1984	Kalapuyan Subsistence: Reexamining the Willamette Falls Salmon Barrier	F. Ann McKinney	181
2008	Towards the Identification of Lampreys (<i>Lampetra spp.</i>) in Archaeological Contexts	Ross E. Smith, Virginia L. Butler	436
2004	Traditional Ecological Knowledge of Pacific Lamprey (<i>Lampetra tridentata</i>) in Northeastern Oregon and South-eastern Washington from Indigenous Peoples of the Confederated Tribes of the Umatilla Indian Reservation	David A Close, Aaron D. Jackson, Brian P. Conner, and Hiram W. Li	397
2012	Lamprey "Eels" in the Greater Northwest: A Survey of Tribal Sources, Experiences, and Sciences	Jay Miller	483
2013	Traditional Ecological Knowledge: Reconstructing Historical Run Timing and Spawning Distribution of Eulachon through Tribal Oral History	Nathaniel D. Reynolds and Marc D. Romano	497
2001	Herring Use in Southern Puget Sound: Analysis of Fish Remains at 45-KI-437	Robert E. Kopperl	355
2001	Implications of an Experimental Freshwater Shrimp Harvest	Mark G. Plew and Jay Weaver	356
1985	Shellfish Utilization Among the Puget Sound Salish	William R. Belcher	195
1990	Marine Shell Utilization in the Plateau Culture Area	Kevin Erickson	253
1998	The Ethnohistory and Archaeology of Shellfish Utilization in Puget Sound	William R. Belcher	330
2015	The Undervalued Black Katy Chitons (<i>Katharina tunicate</i>) as a Shellfish Resource on the Northwest Coast of North America	Dale R. Croes	519
2015	Seals and Sea Lions in the Columbia River: An Evaluation and Summary of Research	Deward E. Walker, Jr.	528

^a - Numbers cross reference with Appendix A



Black Katy chitons, a major source of shellfish nutrients, from the Hoko River area. (#519)



Dipnetting from natural and artificial platforms were employed by Lemhi Shoshone-Bannock and Plateau groups as a technique to harvest fish. (#294)



Eulachon fishers with dip nets on the Cowlitz River. (#497)

TABLE 20. ARTICLES FOCUSED ON TRADITIONAL TERRESTRIAL RESOURCES

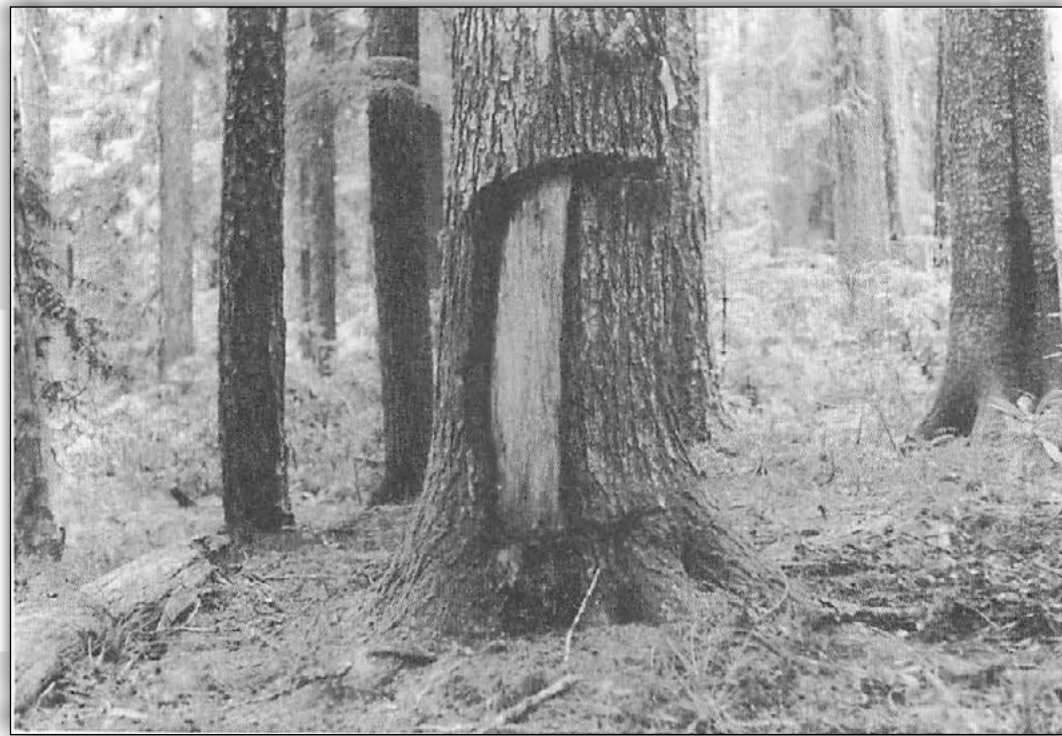
Year	Title	Author	Ref ^a
1978	An Analysis of Kwakiutl Plant Terms	Dale R. Croes	127
1979	The Association Between Anthropogenic Prairies and Important Food Plants in Western Washington	Helen H. Norton	139
1980	The Ethnobotany of the Clallam Indians of Washington	Mark S. Fleisher	151
1981	The Ethnobotanical Imperative: A Consideration of Obligation, Implication, and Methodology	Helen H. Norton and Steven J. Gill	156
1985	Culturally Altered Trees: A Data Source	Russell Hicks	197
1989	Loss, Transfer, and Reintroduction in the Use of Wild Plant Foods in the Upper Skagit Valley	Robert J. Theodoratus	240
1992	Nutritional Analysis of Camas (<i>Camassia quamash</i>) from Southern Idaho	Mark G. Plew	289
1992	Historical Period Plateau Culture Tree Peeling in the Western Cascades of Oregon	Eric O. Bergland	278
1994	A Bibliography of Plateau Ethnobotany	Debra Welch and Michael Striker	305
2001	Peeled Lodgepole Pine: A Disappearing Cultural Resource and Archaeological Record	Carolynne Merrell and James T. Clark	357
2005	Dibble Cultivating Prairies to Beaches: The Real All Terrain Vehicle	Jay Miller	405
2009	Balanophagy in the Pacific Northwest: The Acorn-Leaching Pits at the Sunken Village Wetsite and Comparative Ethnographic Acorn Use	Bethany Mathews	447

^a - Numbers cross reference with *Appendix A*

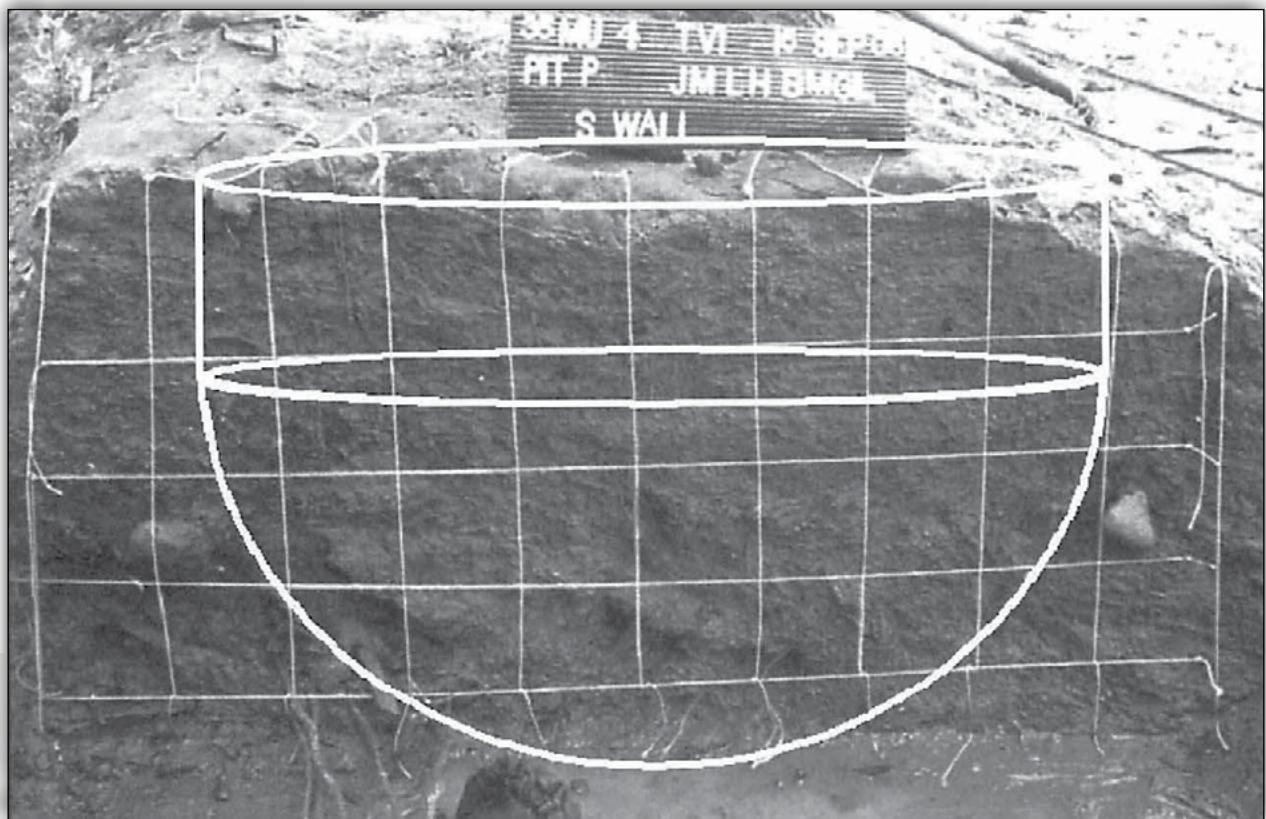
TABLE 21. ARTICLES WITH BIOGRAPHICAL INFORMATION CONCERNING NATIVE INDIVIDUALS

Name	Description	Dates	Ref ^a
Nashat	Columbia River Prophet of the Waskliki/Feather Religion	1900s	459
Simon	A Snohomish Slave at Fort Nisqually and Puyallup	Mid-1800s	371
Charles Quintasket	Master of Languages, Brother of Mourning Dove	1909 - 2003	434
Lizzie Runnels	Mourning Dove's Other Women	1861 - 1947	435
Ellen Saluskin	Yakama Elder	1890 - 1992	288

^a - Numbers cross reference with *Appendix A*



Culturally-modified trees were used as direct evidence for ethnohistoric land use patterns in the Pacific Northwest, above is a Hemlock with a variant of a classification type used for study. (#278)

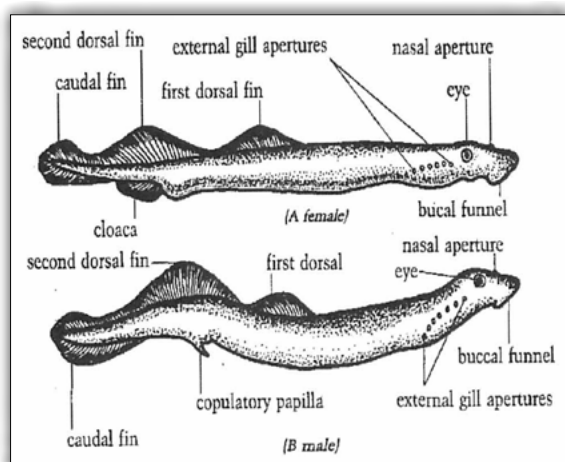


An acorn-leeching pit in examined for its volume from Sauvie Island, Oregon, suggesting the resource was more important than previously considered. (#447)

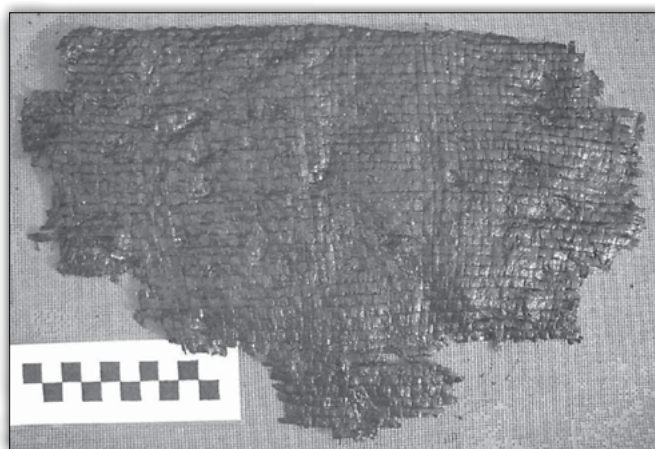
TABLE 22. ARTICLES FOCUSED ON GENERAL SUBSISTENCE STUDIES

Year	Title	Author	Ref ^a
1979	Settlement and Subsistence in the Willamette Valley: Some Additional Considerations	Jerry C. Towle	131
1981	Settlement and Subsistence in the Willamette Valley: A Reply to Towle	John R. White	162
1989	Aboriginal Coast Salish Food Resources: A Compilation of Sources	Judith Krieger	249
1990	Perspectives on Coast Salish Subsistence (Symposium Introduction)	N. Alexander Easton	254
1990	Central Coast Salish Subsistence	Wayne Suttles	255
1990	Seasonality of the Little Qualicum River West Site	Kathryn Bernick, Rebecca J. Wigen	256
1990	The Archaeology of Straits Salish Reef Netting: Past and Future Research Strategies	N. Alexander Easton	257
1990	Native Gulf of Georgia Subsistence and European Contact: Can We Detect Culture Change in Shells and Bones	Pamela J. Ford	258
1990	Prehistoric Subsistence at the Pender Canal Sites and the Surrounding Area	Diane K. Hanson	259
1990	Lithic Technology, Subsistence, and Settlement at Garrison Bay, San Juan Island	Kim Kornbacher	260
1990	Coast Salish Subsistence Studies and a Methodological Barrier	Donald H. Mitchell	261
1994	A Bibliography of Plateau Ethnobotany	Debra Welch and Michael Striker	305
2002	Resource Cultivation in the Northwest Coast of North America	Astrida R. Blukis Onat	370
2013	Exploring Ancient Wood and Fiber Technologies along the Northwest Coast of North America	Dale R. Croes and Kathleen Hawes	501

^a - Numbers cross reference with *Appendix A*



Identification methods of male/female lampreys (#483)

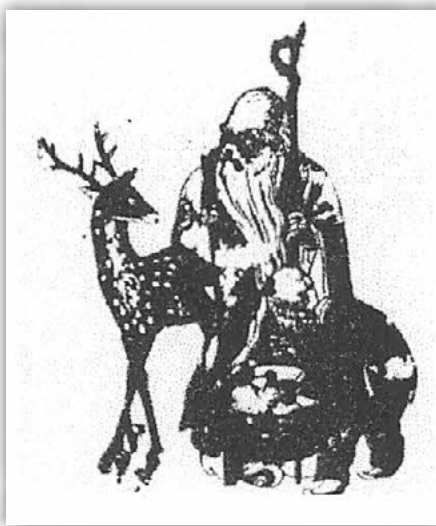


Fine gauge checker weave "matting" (#503)

TABLE 23. ARTICLES FOCUSED ON NORTHWEST ASIAN AMERICAN STUDIES

Year	Title	Author	Ref ^a
1982	"Celestials" in the Oregon Siskiyou: Diet, Dress, and Drug Use of the Chinese Miners in Jackson County, ca. 1860-1900	Jeffrey M. LaLande	164
1984	Annotated Bibliography of Overseas Chinese History and Archaeology	Dixie L. Ehrenreich, Priscilla Wegars, Jonathan Horn, and Karen E. Smith	188
1986	Flora Present at the Pierce, Idaho, Chinese Mining Site, 10-CW-436	Priscilla Wegars	223
1988	Excavation of a Brickwork Feature at a Nineteenth-Century Chinese Shrimp Camp on San Francisco Bay	Peter D. Schulz	232
1989	Floral Remains from the Pierce Chinese Mining Site, 10-CW-436	Priscilla Wegars	243
1993	Asian American Bibliography	Priscilla Wegars	290
2002	Chinese Restaurant Ware and its Importance to Asian-American Archaeology	Amber Creighton	376

^a - Numbers cross reference with *Appendix A*

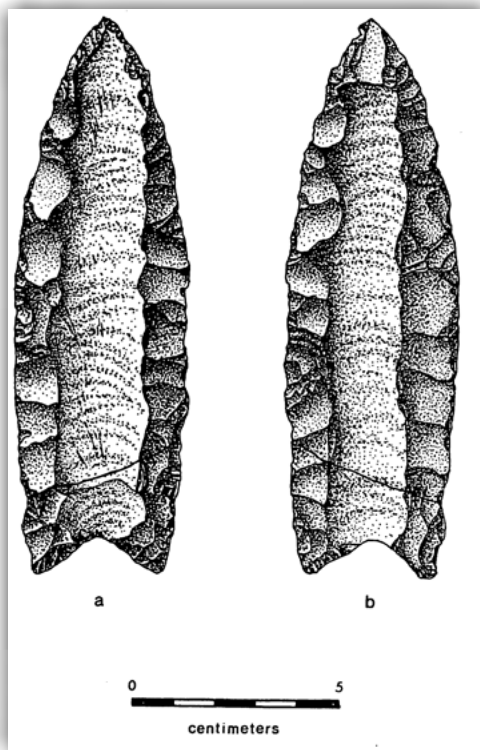


Various motifs from the Asian American Comparative collection. (#376)

TABLE 24. ARTICLES FOCUSED ON NORTHWEST LITHIC ARTIFACTS.

Type	Style	Year	Author	Ref ^a
Cobble	Peripherally flaked	1979	Darek R. Valley	135
Projectile Point	Fluted	1985	Rick Minor	193
Projectile Point	Folsom	1986	Mark G. Plew and Daniel S. Meatte	224
Projectile Point	Folsom	1988	Rick Minor	228
Projectile Point	Cascade	2010	Terry L. Ozbun and John L. Fagan	454
Projectile Point	Folsom	2014	E.S. Lohse and Coral Moser	509
Stone	Painted	1992	Beth Hill	281
Sculpture	Sumas Figure	1998	Robert E. Greengo	329
Stone	Labrets	2014	Kate Shantry	508
Carvings	Haida	1977	Daniel Taylor Crandall	112
Carvings	Incised Stone	2015	Jan Snedden Kee and Mark G. Plew	520

^a - Numbers cross reference with *Appendix A*



Folsom point from Cottage Grove area (#193)



Incised stones from Pend Oreille River, northern Idaho (#520)

TABLE 25. ARTICLES FOCUSED ON NORTHWEST FAUNAL REMAINS AND ARTIFACT STUDIES

Title	Year	Author	Ref ^a
No Bones About It: The Effects of Cooking and Human Digestion on Salmon Bones	1977	Christopher Jordan	320
The Experimental Replication of Paleo-Indian Eyed Needles from Washington	1978	J. Jeffrey Flenniken	122
Faunal Analysis: An Outline of Method and Theory with Some Suggestions	1979	R. Lee Lyman	132
Avian Faunal Remains from Archaeological Middens Makah Territory, Washington	1980	Edward Friedman	146
Thoughts on the Collection, Conservation, and Curation of Faunal Remains	1982	David R. Huelsbeck and Gary Wessen	178
Faunal Remains and Artifacts from Bandon, Oregon Site 35-CS-43C	1986	Lee W. Lindsay, Jr. and Anthony R. Keith	217
Analysis of a Sea Mammal Canine Pendant	1986	Mariana L. Mace	218
Archaeological Evidence of Mountain Beaver Mandibles	2003	R. Lee Lyman and Jamey Zehr	381
The Killisnoo Picnicground Midden (49-SIT-124) Revisited: Assessing Archaeological Recovery of Vertebrate Faunal Remains from Northwest Coast Shell Middens	2009	Madonna L. Moss	418
Reassessing Bone and Antler Barbed Point Classification and Function in the Gulf of Georgia, Northwest Coast	2010	Adam N. Rorabaugh	463

^a - Numbers cross reference with *Appendix A*

TABLE 26. HISTORIC ARTIFACT STUDIES

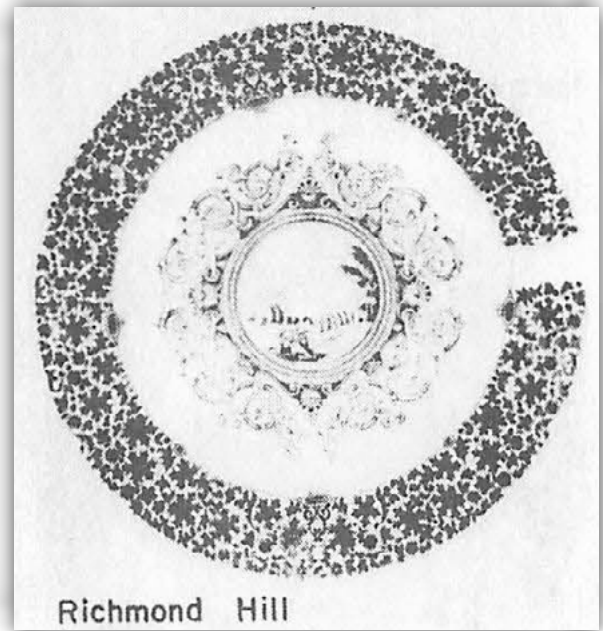
Type	Year	Author	Ref ^a
Gunflints: Their Possible Significance for the Northwest Hudson's Bay Company Fort Umpqua, 1836-1853	1975	Stephen White/	73
A Report on the Metal Artifacts from the Mostul Cemetery, a Historic Clackamas River Indian Site	1977	John A. Woodward	109
Euroamerican Artifacts in the Oregon Territory, 1829-1860: A Comparative Survey	1977	Harvey W. Steele	111
Transfer Printed Spodeware Imported by the Hudson's Bay Company: Temporal Markers for the Northwestern U. S.	1977	Lester A. Ross	113
A Model For Determining Time Lag of Ceramic Artifacts	1977	William H. Adams and Linda P. Gaw	114
Gunflints: Their Possible Significance for the Northwest Hudson's Bay Company Fort Umpqua, 1836-1853	1978	Robert Lee Sappington	124
Flat Glass: Its Use as a Dating Tool for Nineteenth-Century Archaeological Sites in the Pacific Northwest and Elsewhere	1978	Karl G. Roenke	Memoir 4
Trade Bells of the Southern Plateau: Their Use and Occurrence Through Time	1980	Claudine Weatherford	144
Clay Tobacco Pipes from Spokane House and Fort Colville	1981	Michael A. Pfeiffer	161
Buena Vista Stonewares: A Nineteenth Century Oregon Pottery	1984	Daniel J. Scheans	182
Evaporated Milk: Its Archaeological Contexts	1984	James T. Rock	186
A Buried Promise: The Palus Jefferson Peace Medal	2003	Cheryl Gunselman and Roderick Sprague	380
An Annotated Bibliography of Opium and Opium-Smoking Paraphernalia	1985	Priscilla Wegars	200
Chinese Restaurant Ware and its Importance to Asian-American Archaeology	2002	Amber Creighton	376

^a - Numbers cross reference with *Appendix A*



Helvetia evaporated milk can used as a temporal reference. (#186)

Spodeware patterns imported to Fort Vancouver. (#113)



Reverse of Palus Jefferson Peace Medal after cleaning. (#380)

TABLE 27. ARTICLES FOCUSED ON NORTHWEST CRM: CULTURAL COMPLIANCE-RELATED METHOD, THEORY, AND IMPLEMENTATION

Year	Title	Author	Ref ^a
1985	Cultural Resource Management and Archaeological Research in the Interior Pacific Northwest: A Note to NARN Readers on the Translucency of Northwest Archaeology.	R. Lee Lyman	199
1986	Cultural Resource Management and the Oregon Bibliographic File System	Leland Gilson	225
1988	Cultural Resource Management in Alaska : A Current Perspective	Dennis Griffin	230
1992	A History of Cultural Resource Management at the U.S. Department of Energy's Hanford Site, Washington	James C. Chatters	280
2000	American Indian Sacred Sites and the National Historic Preservation Act: The Enola Hill Case	Frank D. Occhipinti	365
2002	Cultural Resource Management-Driven Spatial Samples in Archaeology: An Example from Eastern Washington.	R. Lee Lyman	366
2003	Cultural Resource Management in the Pacific Northwest: Working within the Process.	Dennis Griffin and Thomas E. Churchill	378
2003	Permitting Archaeology in Washington State	Stephenie Kramer	379
2004	NAGPRA in Southern Idaho: An Ethnographic Assessment of BLM Shoshone-Paiute Archaeological Collections	Deward E. Walker Jr. and Daniel N. Matthews	402
2005	Protecting Traditional Places Located on Private Property in Western Washington	Ellen Prendergast-Kennedy	409
2009	The Evolution of Oregon's Cultural Resource Laws and Regulations	Dennis Griffin	445
2012	A Critique of Legal Protection for Human Remains in Idaho with Suggestions for Improvement of Current Legislation	Jenna M. Battillo	491
2012	Written Testimony Provided to Oversight Hearing on the Impacts of Unmanaged Off-Road Vehicles on Federal Land	Ted Howard	492
2015	A Partial Stratigraphy of the Snakelum Point Site, 45-IS-13, Island County, Washington, and Comment on the Sampling of Shell Midden Sites Using Small Excavation Units	Lance K. Wollwage, Guy L. Tasa, and Stephanie Kramer	521
2015	Making the List: Mount St. Helens as a Traditional Cultural Property, a Case Study in Tribal/Government Cooperation	Richard H. McClure and Nathaniel D. Reynolds	525
2016	Snoqualmie Falls: The First Traditional Cultural Property in Washington State Listed in the National Register of Historic Places	Jay Miller with Ken Tollefson	534
2016	The Right Tool for the Job: Screen Size and Sample Size in Site Detection	Bradley Bowden	536

^a - Numbers cross reference with *Appendix A*



Landslide near Bush Point, Whidbey Island. (#521)

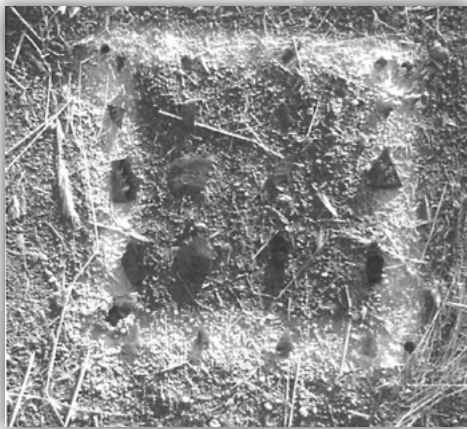


Aerial photograph of Snoqualmie Falls from the south, ca. 1950. Snoqualmie Falls became one of the first recognized Traditional Property. (#534)

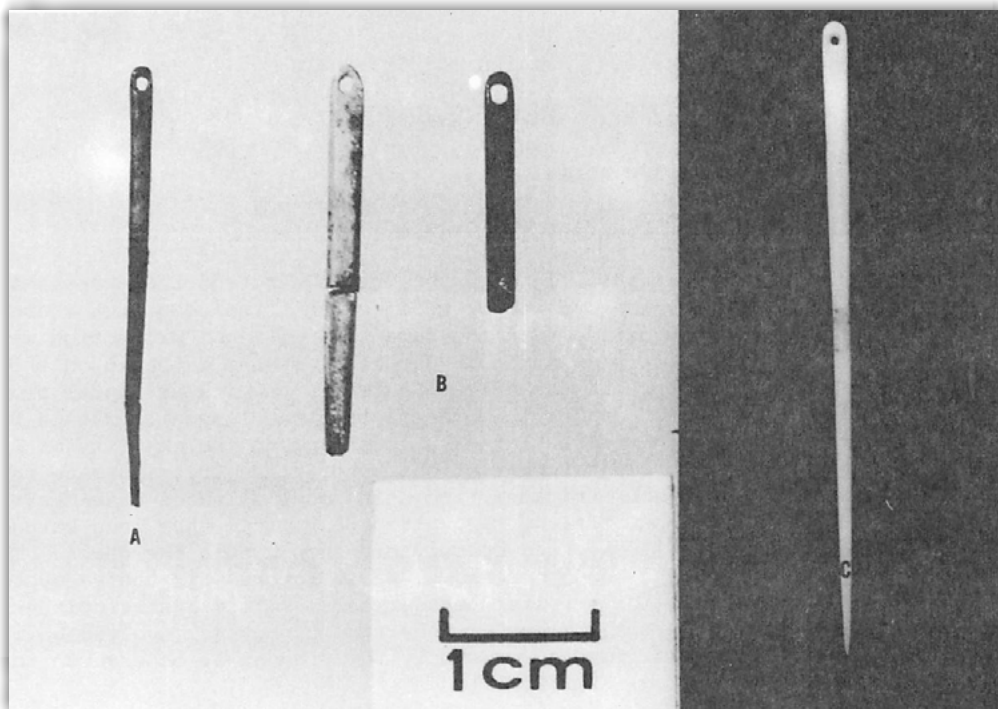
TABLE 28. ARTICLES CONCERNING EXPERIMENTAL ARCHAEOLOGY STUDIES

Type	Artifact	Author(s)	Ref ^a
Replication	Bone Needles	J. Jeffrey Flenniken	122
Edge Damage/wear	Obsidian blades	J. Jeffrey Flenniken and James C. Haggarty	141
Edge Damage	Obsidian blades	Donald Howes	149
Taphonomy	Salmon bones	Christopher Jordan	320
Erosion	Lithic scatter	Carolyn R. Temple and Robert Lee Sappington	503
Erosion	Stone features	J. Tait Elder, Patrick Reed, Alexander E. Stevenson, and M. Shane Sparks	527

^a - Numbers cross reference with *Appendix A*



Artifact scatter before and after a Polaris Xplorer 300 passed over. (#503)

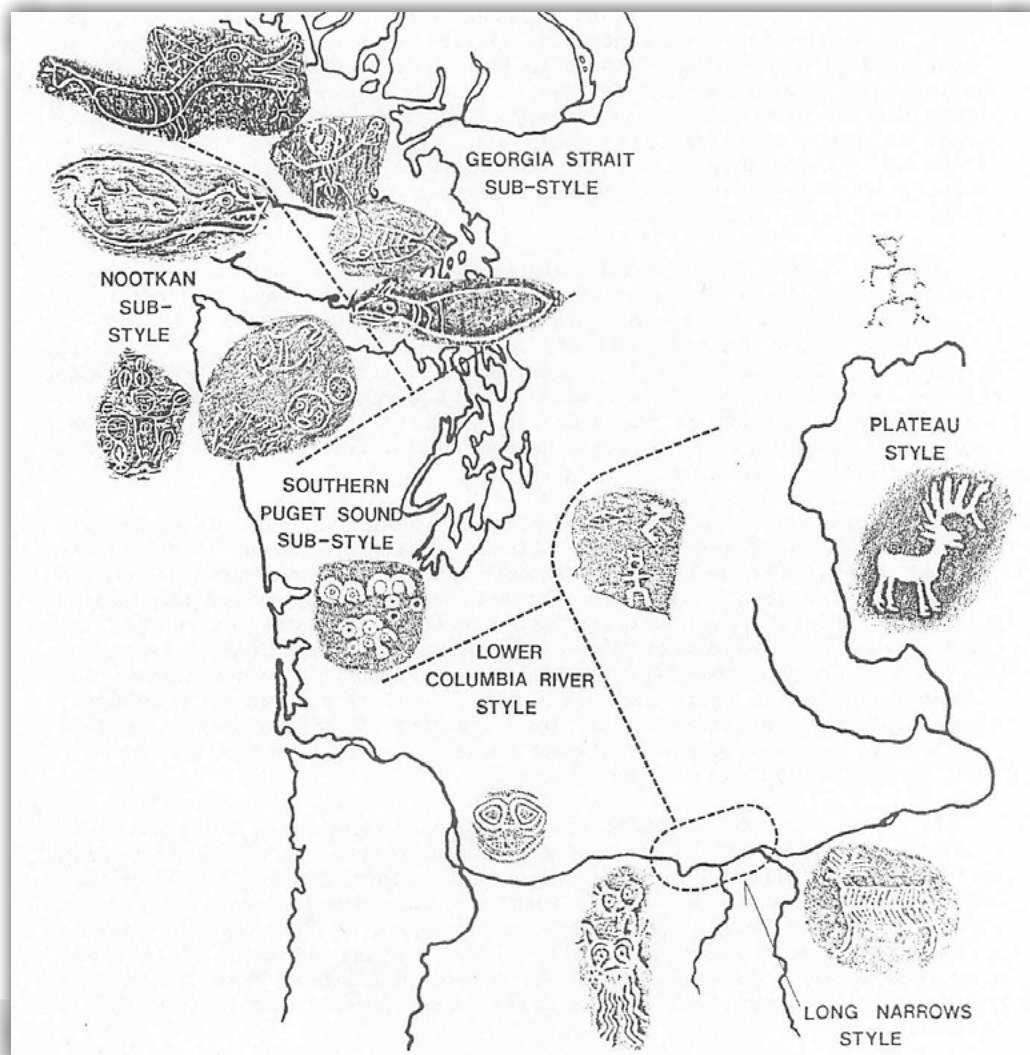


Eyed bone needles from (A) Marmes Rockshelter, (b) Lind Coulee site, and (c) experimental. (#122)

TABLE 29. ARTICLES FOCUSED ON PETROGLYPHS

Year	Title	Author	Area	Ref ^a
1976	Rock Art of the Pacific Northwest	Keo Boreson	Pacific Northwest	91
1976	A Bibliography of Petroglyphs/Pictographs in Idaho, Oregon, and Washington	Keo Boreson	Pacific Northwest	92
1981	The Rock Art of Western Washington	Daniel Leen	Washington	153
1985	Bears and Bear Hunting in Prehistory: The Rock Art Record on the Yellowstone	Thomas H. Lewis	Wyoming	202
1989	The Art and Iconology of the Dance in the Petroglyphs of the Northern Plains	Thomas H. Lewis	Northern Plains	244
2005	Culture and Thought in Prehistory: Inferences from Extant Graphic Arts: The Hamilton Dome Array of Petroglyphs	Thomas H. Lewis	Wyoming	407
2009	Mobiliary Carvings as a Key to Northwest Coast Rock Art	George Poetschat and James D. Keyser	Pacific Northwest	419

^a - Numbers cross reference with *Appendix A*



Rock art sub-style divisions in western Washington. (#153)

Historical Anthropological Material

A priority of the journal over the years has been to publish anthropologically relevant material from long ago that either was never published or was published in an obscure place and not readily available. Table 30 lists these rescued documents. With the rise of Internet publishing, the need to publish or re-publish such materials has diminished.

Davidson Journal of Anthropology

In 1987 (Volume 21), NARN reprinted the entire *Davidson Journal of Anthropology*, which was published in Seattle from 1955 to 1957 (#226, Appendix A). The following background for the journal was included in the Foreword to Volume 1, Number 1:

Seven years ago [1948] the Seattle Anthropological Society was established, primarily by the inspiration and hard work of Professor D.S. Davidson. The tragic death of the founder, a few years later, led his fellow members to rededicate themselves even more strongly to his ideals. The organization of anthropology students at the University of Washington adopted the name Davidson Anthropological Society, and decided to undertake the publication of a new scholarly journal in his memory. [Vol. 1(1):ii; #226, Appendix A]

In all, 39 articles (573 pages) were published in the three volumes (six issues); the majority of articles pertain to the Pacific Northwest archaeology and anthropology. Notable anthropologists and archaeologists who published in the *Davidson Journal of Anthropology* included Arthur Ballard, Alan Bryan, B. Robert Butler, Chester Chard, Viola E. Garfield, Mary Gormly, Erna Gunther, Fred Hulse, Paul Kirchoff, George Peter Murdock, Douglas Osborne, and Earl H. Swanson, Jr. The table of contents for the six issues can be viewed in Appendix A (#211); all articles are included in the DVD.

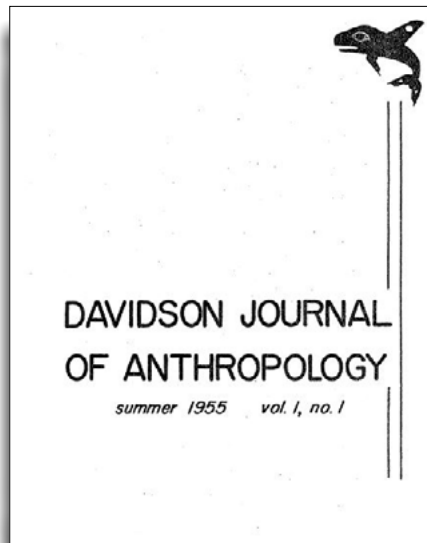
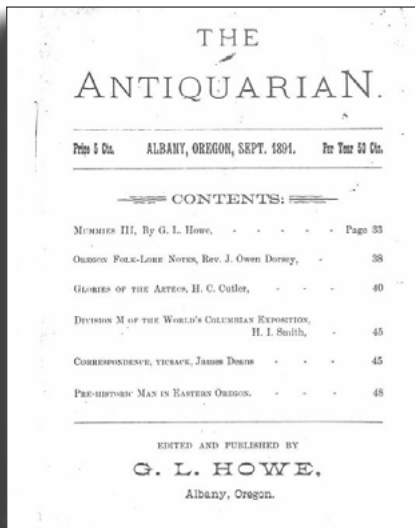


TABLE 30. HISTORICAL MATERIAL PUBLISHED IN NARN/JONA

Title	Author/Editor	Year	Ref ^a
Report of the Committee for Investigating and Publishing Reports of the Physical Character, Languages, and Industrial and Social Conditions of the North-Western Tribes of the Dominion of Canada, from the 1886-1899.	Report of the Meeting of the British Association for the Advancement of Science	1886-1899	67
Siletz, or “Lo” Reconstructed	Alexander W. Chase	1869	271
Indian Mounds and Relics on the Coast of Oregon	Alexander W. Chase	1873	272
Shell Mounds of Lat. 42° 02’, 42° 05’, & 42° 15’, Coast of Oregon; Description of Stone and Other Implements Found in Them, with Some Notes on Existing Tribes of That Section of the Coast	Alexander W. Chase	1873	273
Chase’s Correspondence Subsequent to the Coast Survey	Alexander W. Chase	1880-1882	274
Archaeological Excavations in the Columbia River Valley	Herbert W. Krieger	1927	423
Prehistoric Inhabitants of the Columbia River Valley	Herbert W. Krieger	1928	424
A Prehistoric Pit House Village Site on the Columbia River at Wahluke, Grant County, Washington	Herbert W. Krieger	1928	425
Salvaging Early Cultural Remains in the Valley of the Lower Columbia River	Herbert W. Krieger	1935	426
Indians of Oregon	Gregory Mengarini	1871	282
Ethnographic Gleanings Among the Nez Percés	Alice Cunningham Fletcher	1889-1892	306, 359, 360
Tribes of Western Washington and Northwestern Oregon	George Gibbs	1877	324
Report of Brevet Major Benjamin Alvord Concerning the Indians in the Territories of Oregon and Washington	Benjamin Alvord	1853	327
A Summer Trip Among the Western Indians	Stewart Culin	1901	350
Physical Anthropological Studies	Franz Boas	1895	408
Preserving Our Ideals	Franz Boas	1917	413
A Jesuit View of Indian Affairs in Nineteenth-Century Western North America	Fr. Etienne de Rouge	1890	452

^a - Numbers cross reference with Appendix A

Biographical Material on Early Anthropologists and Archaeologists

Numerous articles of a biographical nature have been published over the years. Many of these have concerned anthropologists or individuals who documented the lives of Native Americans.

Thelma Adamson

1920s – 1930s

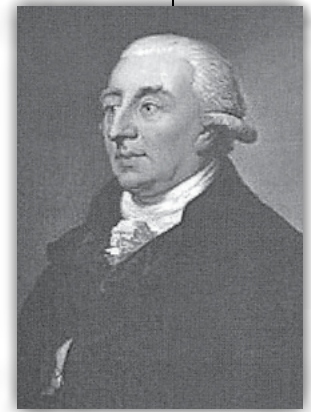
Pioneering Pacific Northwest anthropological fieldworker
(#337)



Johan Chritoph Adelung

Early 1800s

German scholar who conducted early native language studies from Northwest Coast
(#510)



Franz Boas

1890s

Experiences of the anthropologist's travels and experiences in the Pacific Northwest
(#167, 338, 511)

Alexander Chase

1860s – 1880s

First person to perform archaeological research on the northern California and southern Oregon coast, and to publish his findings.
(#269, 275)



Alice Cunningham

1890s

Anthropologist, implementer of Dawes Act on Nez Perce Reservation
(#306, 313, 359, 360)



George Howe

1890s

Early Oregon amateur archaeologist and editor of the Antiquarian
(#38)

Figure 14. Articles with biographical information concerning early anthropologists and archaeologists. Numbers in () are cross referenced with Appendix A.

Bernard Phillip Jacobsen

1880s

Norwegian scholar who collected Northwest Coast artifacts for museums and wrote about native peoples
(#488)



Herbert Krieger

1920s

Smithsonian Institution anthropologist
(#422)



Archie Phinney

1920s -1940s

Nez Perce Anthropologist
(#389-396)

Alphonse Pinart

1890s

French Ethnographer working in Alaska
(#537)



James Teit

1890s - 1920s

Canadian Ethnographer
(#266)

Geraldine Coffin Guie

Early 1900s

Anthropologist who worked with T.T. Waterman and Mourning Dove
(#435)



Figure 14. (cont) Articles with biographical information concerning early anthropologists and archaeologists. Numbers in () are cross referenced with Appendix A.

Bibliographies

Sixteen bibliographies on special topics have been published in the journal. Foci have been geographic, cultural, artifact-specific, and biographical. No bibliographies have been submitted for publication in the last 20 years, suggesting that technological advancements in publishing may have eliminated their need. A listing of the *NARN/JONA* bibliographies is provided in Table 31.

TABLE 31. LISTING OF BIBLIOGRAPHIES PUBLISHED IN *NARN/JONA*.

Year	Subject	Author	Ref ^a
1967	Washington Archaeology	Roderick Sprague	1
1967	Klamath Basin Anthropology	B.K.Swartz Jr.	2
1976	Petroglyphs/Pictographs in Idaho, Oregon, and Washington	Keo Borenson	92
1976	Prehistoric Archaeology of Puget Sound and the San Juan Archipeligo (annotated)	Joan M. Robinson	102
1978	Gunflints (annotated)	R.L. Sappington	124
1979	Idaho Archaeology, 1889-1976	Max G. Pavesic, Mark G. Plew, Roderick Sprague	Memoir 5
1981	Idaho Archaeology, 1977-1979	M.G. Pavesic	163
1984	Overseas Chinese History and Archaeology (annotated)	Dixie L. Ehrenreich	188
1985	Opium/Opium-Smoking Paraphernalia (annotated)	Priscilla Wegars	200
1988	Missionary Activities and Religious Change in Northwest Coast Societies	John Barker	229
1989	Aboriginal Coast Salish Food Resources	Judith Krieger	249
1991	James A. Teit	Roderick Sprague	266
1993	Asian American	Priscilla Wegars	290
1994	Plateau Ethnobotany	Deborah Welch	305
1995	Frank C. Leonhardy	Madilane Perry	310
1997	Lolo Trail (annotated)	Donna Turnipseed	325

^a - Numbers cross reference with *Appendix A*

Using the NARN/JONA Electronic 50-Year Archive

The purpose of this chapter is to illustrate ways the *NARN/JONA* electronic 50-year archive can be used. The archive, found on the DVD included with this memoir, consists of the 587 items from the 50 volumes of *NARN/JONA* (i.e., the articles, historical reprints, conference abstracts, editorials, etc.), along with *Memoirs* 1 through 7, all in a PDF file acting as a portfolio. The archive is found in *Appendix A* of the electronic version of *Memoir 13*.

The major uses of the archive discussed in this section are the following:

- to obtain a particular *NARN/JONA* issue, article, or memoir in order to read it.
- to search for a particular person, place, object or concept within an issue or the entire archive to obtain new information.
- to conduct analyses concerning anthropological research conducted between 1967 and 2016 to identify patterns or trends.

These uses are described in greater detail below, along with information on how to use the archive for these purposes. Following these descriptions, a case study is provided illustrating how the *NARN/JONA* electronic archive was used to gain insight into the use of anthropological theory in conducting Northwest anthropological research.

Obtaining a NARN/JONA Issue or Article

To obtain a particular *NARN/JONA* issue, article, or memoir, open the *JONA-Archive* PDF file. Content has been numbered and order by year, volume, and number. Scroll to the folder with the desired label in the archive contents, select it, and it will open and be available for reading. To print either a specific article or pages within a journal issue, use the print function and enter the page number to print; to save the item as a separate file, also use the print function, but change the printer to Adobe PDF (may have to be installed). The default will be to print/save the entire issue, so the page numbers of the desired item must be selected. Figure 15 shows an example print screen.

Searching the Archive for a Person, Place, Thing, or Concept

The Adobe search function is useful for the researcher interested in a particular topic, such as an historical person, an early anthropologist, a particular artifact type, a drainage, an archaeological site, or a theoretical concept. A simple search of the electronic archive will quickly reveal if there is any information on that topic in the *NARN/JONA* archive; any place where that search word appears within the archive will be identified. The word might appear within the text of an article, a table, a figure caption, a reference citation, a conference abstract, and so on. Thus, by using this tool, the researcher can become aware of relevant prior research efforts, individuals who conducted research on the topic, or a book or article that one was not aware. In addition to resulting in new information, searches often provide clues that one can follow using the various search engines (e.g., Google). For example, a search of the *NARN/JONA* archive may identify an abstract from a Northwest conference held decades earlier; searching the internet for the individual that gave the paper may lead to a thesis or publications by the individual on the topic.

Note that many words and names have multiple meanings (or spellings) and may return results that are not desired. For example, a search for material about the Cowlitz Tribe using the term “Cowlitz” will return many hits for Cowlitz Creek; one could search for “Cowlitz Tribe,” but that search will miss the many places where only the word “Cowlitz” was used. People’s names also require

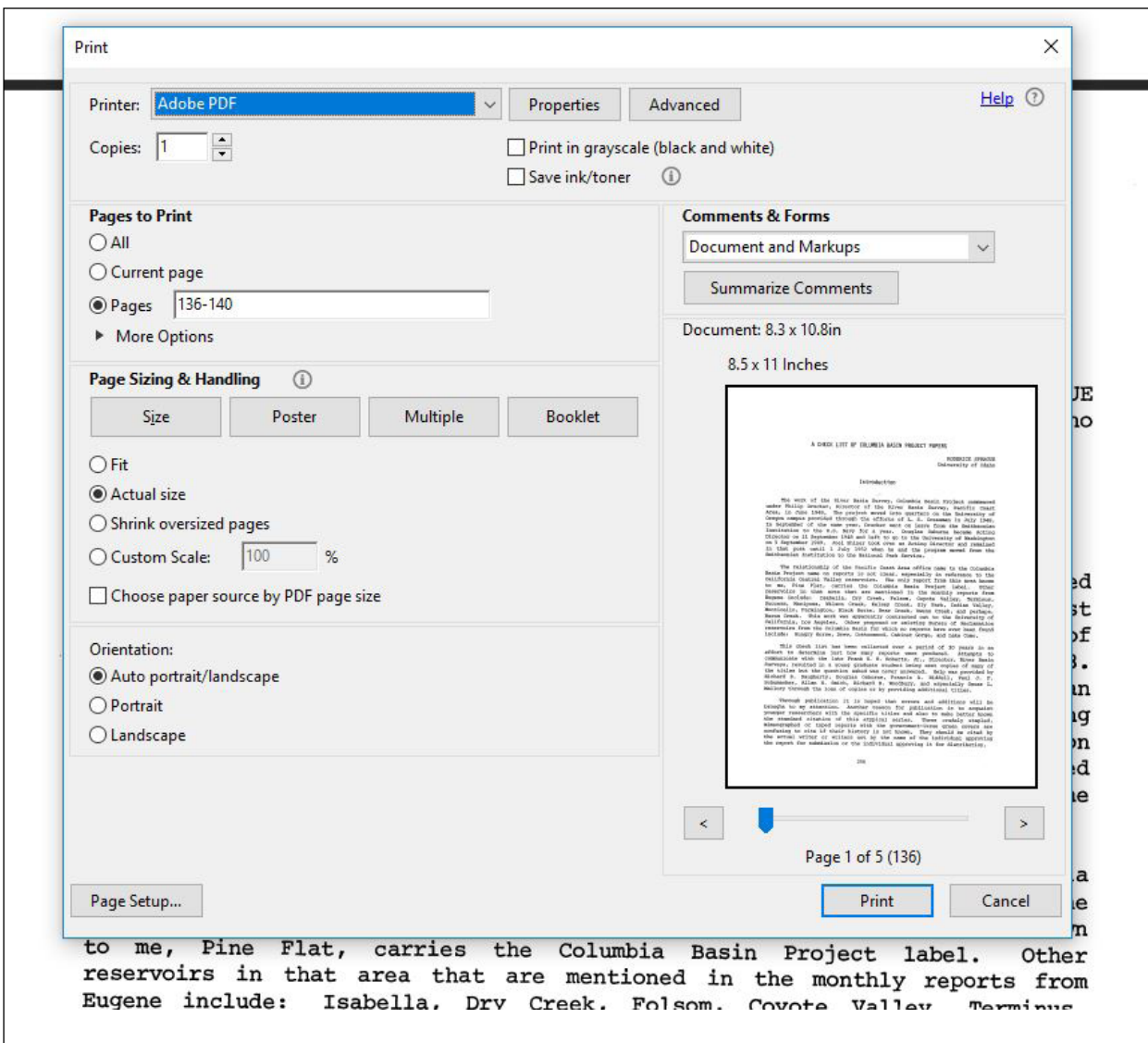


Figure 15. Screenshot of the print screen that appeared when extracting an article from a volume by printing to Adobe PDF.

multiple searches. Throughout the archive, individuals can be identified as, for example, James Sandusky; James A. Sandusky; Sandusky, James; or Jim Sandusky. With a name like Sandusky, one can search for “Sandusky” and the results will be manageable; with a name like Smith or Baker, more time will be required to sift through the results. Our recommendation is to try different combinations of words. It may take some time to read through the results, but compared to the value of finding new information, it is worth the time.

To search for a particular person, place, object or concept, follow these steps:

1. Go to *Appendix A* in the electronic version and select “Open Document” in the upper right hand corner. A new screen will appear.
2. Select the “Search Journals” box in the upper right hand corner. A Search window will open.
3. In the Search window, select “In the entire PDF Portfolio” (unless only interested in searching one issue). Enter the desired search word(s) in the “What word or phrase would you like to search for?” box. Select the “Search” box to the lower right (Figure 16).

4. Upon completion of the search, results will appear in the search window. As shown in Figure 17, the number of documents where the search word(s) was found is identified, along with the total number of hits; remember, however, that many of the hits may relate to different uses of the word than the one intended. The results are grouped by volume and number (or memoir). Clicking on plus sign shows the results for that issue, including a few words before and after the search word. Selecting the result line opens the screen to the published page where the word appears. Finally, on most versions of Adobe other than Reader, you can generate a report with the results, in either PDF or CSV (Excel) format. An example of a PDF report for a search using the words “Fort Umpqua” is provided in *Appendix B*.

More detailed instructions for conducted searches and using the archive are provided on the DVD included with this memoir. Understand however, that the ability to conduct searches will depend on the Adobe version being used and level of expertise of the user.

Note: The scanned journal items and memoirs are not perfect; not all words always scanned exactly as they were printed, and therefore will not be picked up in searches. Therefore, don't assume that your search has picked up every case. For example, Volume 8, the 1886–1887 *Report of the Meeting of the British Association for the Advancement of Science* (#67, *Appendix A*), scanned poorly due to the small print size.

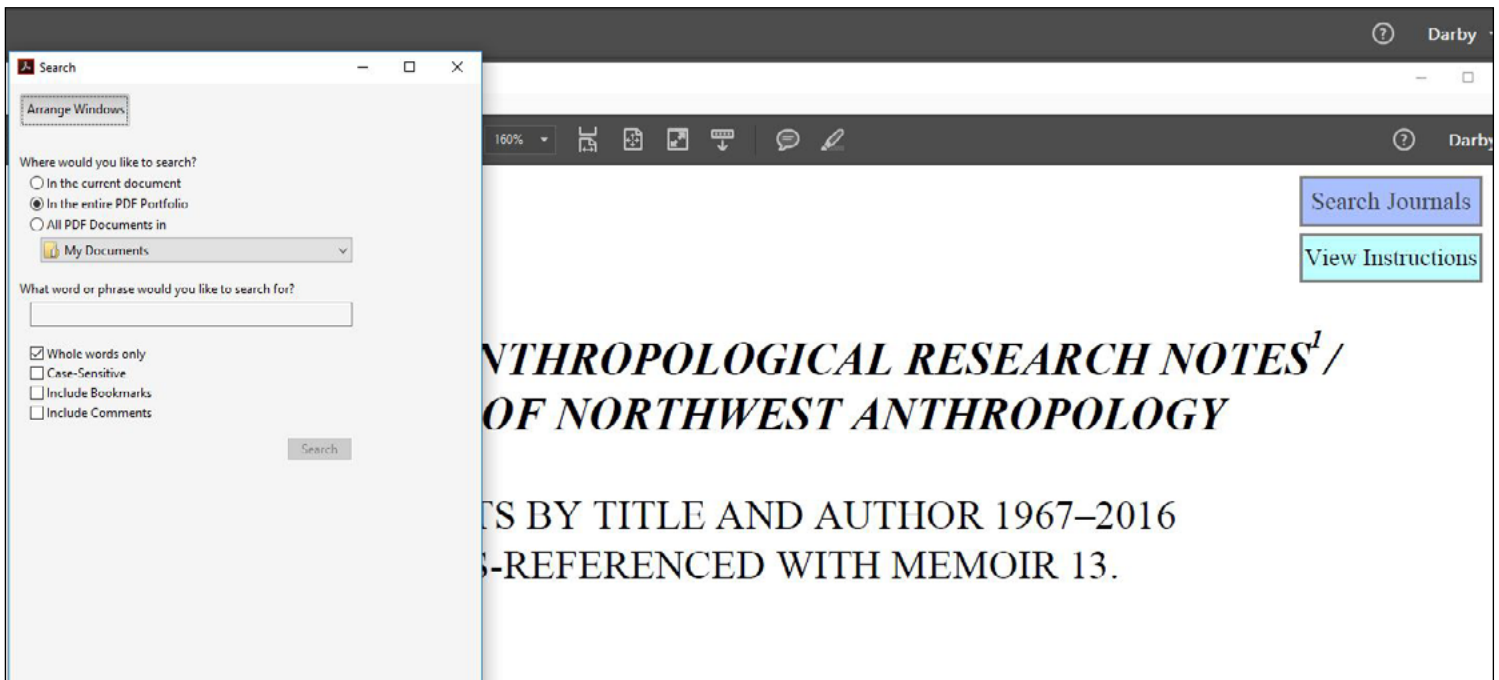


Figure 16. Screenshot of the Search screen where the desired search word or words can be entered.

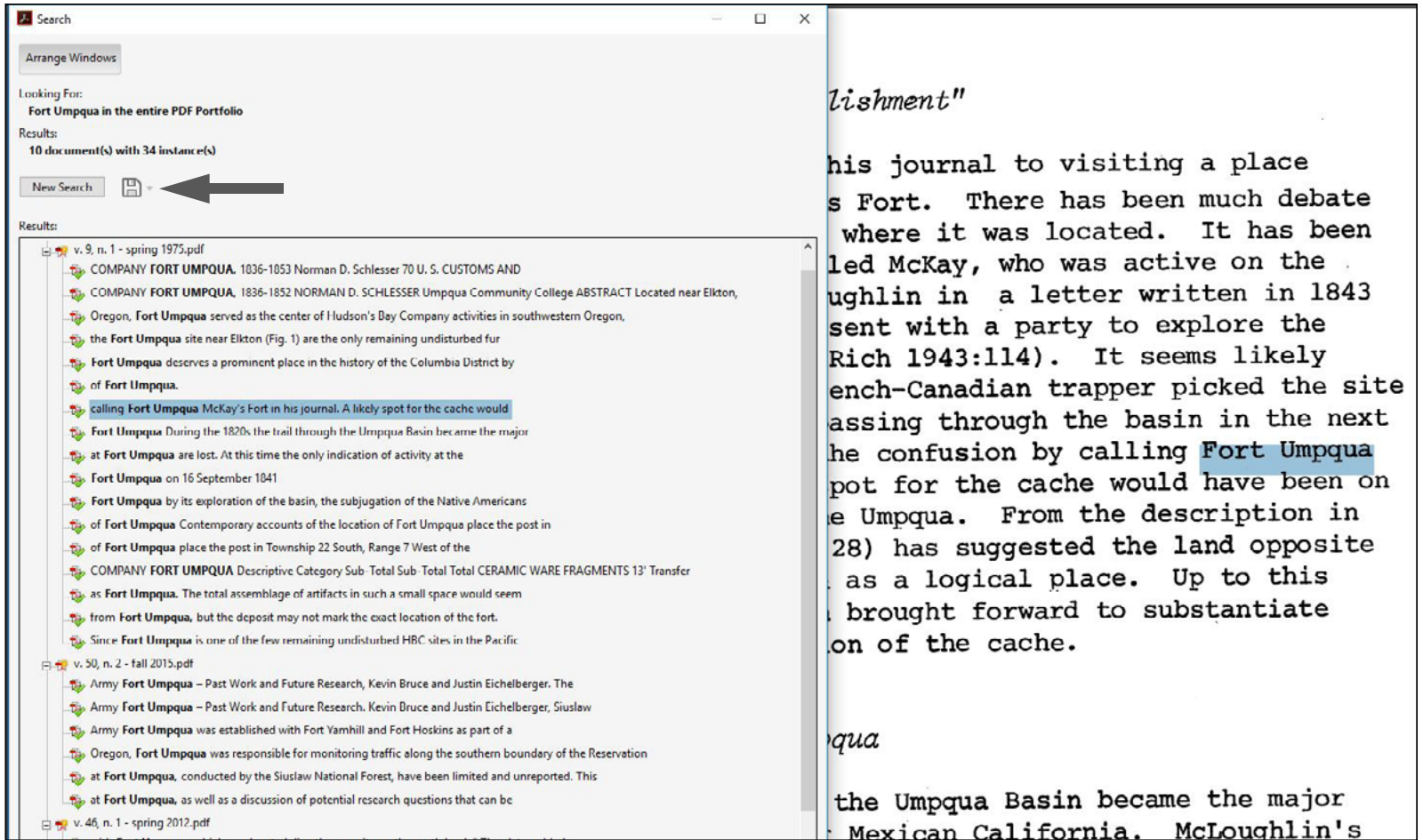


Figure 17. Screenshot showing results of search for “Fort Umpqua.” Note the results listed on the left, the highlighted result that was selected to open up the published page for better viewing, and the disk icon to the right of the “New Search” box that will generate a PDF or CSV report of the results.

Using the Archive to Explore Patterns in Research or Researchers

The NARN/JONA electronic archive can also be used for researchers interested in identifying patterns or trends in Northwest anthropological research. An is example concerning gender representation in NARN/JONA content (in contrast to the gender of authors analysis presented in Section 3). To explore gender representation, the following question was posed: Has there been a greater focus on male-centric or female-centric topics in the content published in NARN and JONA (including Northwest Anthropological Conference abstracts) during the first 50 years, and has the focus changed over that period of time? To initiate this exploration, six searches were conducted: man, men, and male to reflect the male-centric focus; and woman, women, and female to reflect female-centric focus. The searches were conducted, PDF reports generated, and the results tabulated by year, combined and graphed. As shown in Figure 18, at least as reflected by the terms used as proxies for male-centric and female-centric topics, from 1967 to 1979, the NARN/JONA content was heavily slanted toward male-centric topics (approximately 75% to 25%); from 1980 to 1989, the proportion became more in balanced; from 1990 to 1999, female-centric content dominated male-centric content; since 2000, the male-centric content has regained its dominance, though in the last two years the content has come more in balance.

Using these preliminary results, one might want to conduct additional analyses, refine the original analyses, and develop more sophisticated research questions. For example, we might want to use other search terms that reflect male and female topics (e.g., masculine, feminine, gentleman,

lady, boy, girl, father, mother, etc.). We might want to exclude some of the content. For example, should reprints of historical articles be excluded? Should volume 21 (1987), which was the reprint of the *Davidson Journal of Anthropology* published between 1955 and 1957, be excluded? These decisions need to be based on assumptions and might change as the research questions develop. We might want to conduct additional analyses to better understand the data; for example, are there correlations between the gender-based terms and gender of the authors? Or the types of content (e.g., research articles v. conference abstracts)? Do the patterns observed in the *NARN/JONA* content match results from similar results from other anthropology or social science journals? This simple preliminary search could get real complicated real fast, but could also result in meaningful observations about gender-focused anthropological research in the Northwest.

Comparison of Female and Male Terms in *NARN/JONA* Every 5 Years

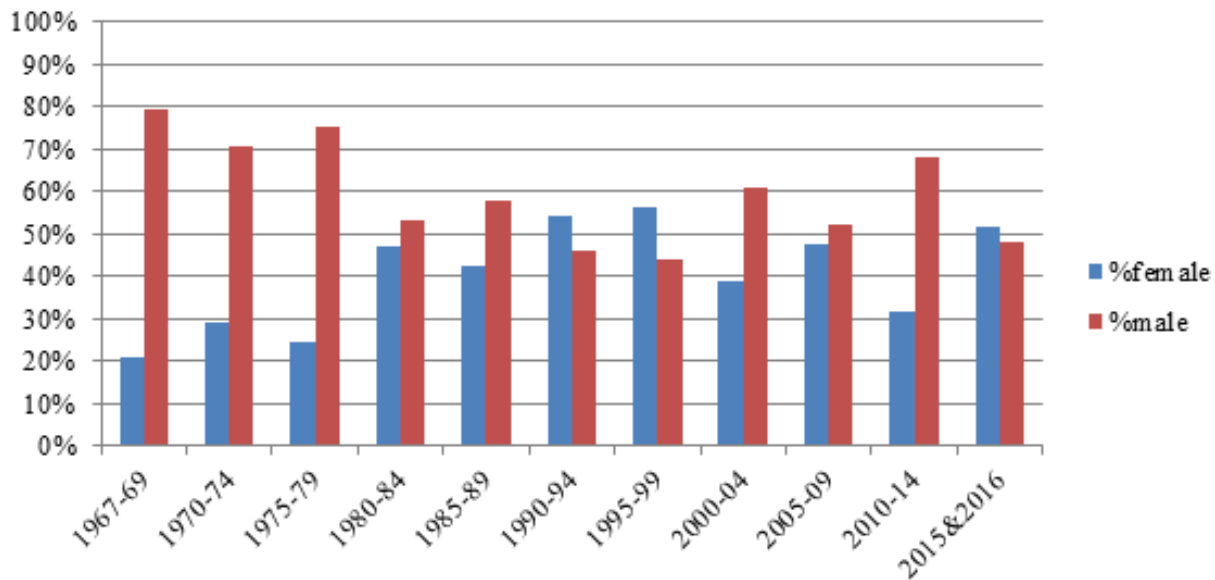


Figure 18. Comparison of female and male terms (woman, women, female, man, men, and male) found in *NARN/JONA* content between 1967 and 2016.

Case Study: Use of Anthropological Theory by Northwest Researchers

The *NARN/JONA* electronic archive was used to examine the can be used to pursue research used of anthropological theory by Northwest researchers. Using the Adobe search function, we explored the theoretical orientations, interests, and concepts that have dominated Northwest anthropology over the past 50 years, at least as reflected by the research articles published in *NARN/JONA* and the abstracts of papers presented at the Northwest Anthropological Conference.

We chosen the Adobe search function for this content analysis because it is readily available and relatively easy to use. Thus, it serves as a good exploratory tool. Other, more sophisticated content analysis tools are available; each has advantages and disadvantages and vary in cost and level of difficulty. The primary goal of this case study is to demonstrate the utility of the *NARN/JONA* content for conducting research on the history of anthropological research in the Pacific Northwest, and thereby stimulate others to pursue research questions of their own to learn and share with the Northwest anthropological community.

Why Theory?

Theory was chosen for this case study to begin a discussion on the theoretical foundations on which Northwest anthropological research has been based. Why is it important to look at the theoretical orientations of past research? Simply because theoretical perspectives shaped the questions past researchers pursued, the methods and analyses they used, and the manner in which they reported their results. Much of the anthropological research that will be conducted in the future will make substantial use of previously collected data. Archaeologists, cultural resources managers, and physical anthropologists will be digging in the site records held in state agencies and collections held in repositories. Cultural anthropologists and linguists will be reading the ethnographic writings and listening to the recordings held in archives. To make full and appropriate use of data, information, and knowledge, researchers will have to have a basic understanding of the theoretical underpinnings through which the original research was conducted. If a researcher is to build on the work of those who came before them, a basic theoretical understanding is critical.

Why Use the NARN/JONA Dataset?

Using the NARN/JONA dataset to gain theoretical insights to Pacific Northwest anthropology is only one of many approaches that could be used. For example, one could examine the major Northwest university anthropology departments and the major professors who taught there. Or, one could conduct interviews with those who have spent their career working in the Pacific Northwest and document their observations. One could also examine the Northwest focused publications and presentations from national journals and conferences. Each has its advantages and limitations. The NARN/JONA approach has the following advantages: it is a large dataset, consisting of over 500 articles and 5400 conference abstracts; the dataset represents the research of over 7,000 professionals and students; the dataset spans five decades, extending from the 1960s to the present; and the dataset combines the research of both the academics and practitioners. Most importantly, it is a dataset that is available to us at this moment. For these reasons, NARN/JONA serves our purpose to begin the challenge of discerning and documenting the theoretical interests and uses of theory in anthropological research in the Pacific Northwest.

What Approach was Used to Elicit Theoretical Perspectives?

Theory is a complex word and is used by social scientists in many different ways (Abend 2008). To structure this exploration, we focused on the following four areas:

- The theories that anthropologists and anthropology students have cited in their research;
- The major theorists that anthropologists and anthropology students have cited in their research (e.g., Boas, Kroeber, and Levi-Strauss in cultural anthropology, and Binford, Dunnell, and Hodder in archaeology);
- The theoretical orientations/perspectives through which research has been conducted (e.g., cultural particularism, Marxism, processualism, structuralism);
- The topics being studied (e.g., acculturation, class, ethnicity, gender, race, marriage and the family).

To accomplish the objectives of this chapter, we used the dataset contained on the DVD accompanying this memoir, which consists of the materials in PDF format published in NARN (1967–2001), JONA (2002–2016), and Memoirs 1 through 7. The NARN/JONA PDF “portfolio” was then searched by term(s) or names of individual of interest to quantify the number of times the search word or name appears over the years.

The results of a typical search are shown in Figure 19. At the top is found the number of issues/memoirs where the word or name was found, and the total number of times the word or name was found. The results are then shown by the volume and number (or memoir). As shown each volume can be expanded to view every separate entry. If using Adobe Acrobat DC, a report can be generated in a PDF document or a spreadsheet (Appendix B).

Because words can have multiple meanings, and names can refer to multiple places or people it is necessary to review each “hit” to validate the results. For example, when searching for “Binford,” as in Lewis R. Binford the famed archaeological theorist, results returned also included the publisher “Binford & Mort.” When searching for the keyword “race,” intending the biological concept of “race,” some results appeared as “horse race”, “race track”, etc. Thus to ensure quality of the results, it is necessary to review each hit and exclude those not relevant. This can usually be done by viewing the line shown in the search box; if necessary, each entry can be double clicked and the reader will be taken to the actual article and the place where the word appears for a more thorough reading.

For the purposes of this analysis, the total number of times the desired word or name was found in the dataset was used regardless of whether it was found in the title, abstract, text, or references in a research article; in a historical article; or in a Northwest Anthropological Conference abstract. There could be good reasons to exclude certain entries (e.g., references), but at this preliminary stage, it was deemed best to begin with the total number, regardless of the type of entry.

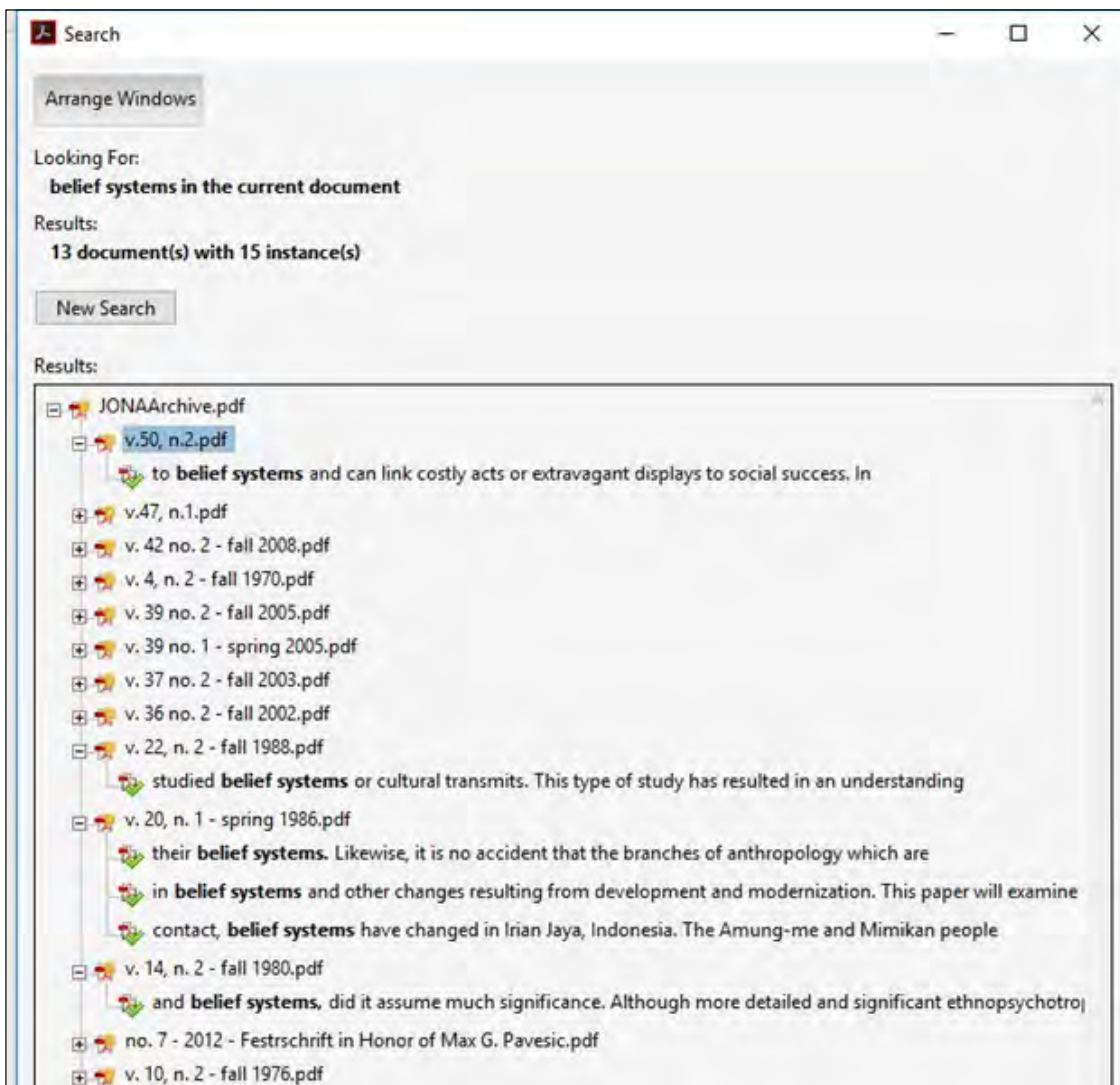


Figure 19. Screenshot of search results for the term “belief systems”.

Results

What Theories have been Cited?

To identify the theories that have been cited, first the word “theory” was searched, then the results were reviewed to identify the specific theories cited. The first search using the word “theory” returned 706 hits from 93 individual issues of *NARN/JONA/Memoirs* 1–7. Scanning the results revealed that many of the ways the word theory was being used were not relevant. For example, many hits came from expressions such as “in theory...,” or “the theory that cairns are associated with burials,” or “anthropological theory,” and these were discarded.

Each theory was then searched to quantify the number of times that theory was identified. Table 32 identifies the various named theories and the number of times it was specifically called out in the *NARN/JONA* dataset. This analysis indicates that few named theories are explicitly cited by *NARN/JONA* authors or Northwest Anthropological Conference presenters. This analysis, however, can be misleading, as a researcher could make use of a general theoretical concept without making explicit reference to a theory. Consider, for example, Diffusion Theory. Only one document with one instance was identified when searching for “Diffusion Theory.” However, if the term “diffusion” is used, 55 documents with 215 instances were found, many of which when inspected pertain to theoretical concepts of diffusion.

Which Individuals Associated with Anthropological Theory have been Cited

To identify those anthropological theorists that have been cited most often in the *NARN/JONA* dataset, names commonly cited in the anthropological literature were searched. Results were then inspected to ensure that the results pertained to the correct individual. In some cases, such as Franz Boas and Robert Dunnell, the results were affected by the fact that the individual’s publications had been published in the journal. The results are presented in Table 33.

TABLE 32. NAMED THEORIES IN THE NARN/JONA AND NORTHWEST CONFERENCE ABSTRACTS DATASET^a

Acculturation Theory (2/2)	Literary Theory (1/1)
Ainu Theory (1/6)	Malinowski's Theory of War (1/1)
Anthropogeographic Theory (1/2)	Mark's Theory (1/1)
Anthropological Theory (18/27)	Marxist Theory (2/3)
Barnett's Theory of Culture Change (1/2)	Middle range Theory (3/4)
Biomedicine Theory (1/3)	Migration Theory (4/6)
Caucasian Theory (1/1)	Modernization Theory (1/1)
Caucasoid Theory (1/10)	Opsjon Theory (1/1)
Change Theory (3/3)	Optimal Foraging Theory (8/1)
Collector Theory (1/1)	Origin Theory (1/2)
Conflict Theory (1/1)	Paranthropus Theory (1/1)
Critical Theory (1/1)	Replacement Theory (1/8)
Cultural Theory of Labor (1/1)	Resiliency Theory(1/2)
Darwinian Theory (1/1)	Scale Theory (4/6)
Dependency Theory (1/3)	Signaling Theory (3/12)
Development Theory (2/2)	Smith's Theory (1/3)
Diffusion Theory (1/1)	Sociocultural Theory (1/1)
Discourse Theory (1/1)	Subsistence Theory (1/1)
Educational Theory (2/2)	Systems Theory (6/8)
Environmental Theory (1/1)	Theory of Cultural Ecology (2/3)
Ethnicity Theory (1/1)	Theory of Culture (7/8)
Ethnogenetic Theory (1/1)	Theory of Culture Change (5/6)
Ethnological Theory (4/5)	Theory of Ethnic Unity (1/2)
Evolutionary Theory (16/20)	Theory of Indian Title (1/1)
Exchange Theory (2/2)	Theory of Innovation (2/6)
Expansion Theory (1/1)	Theory of Deprivation (1/1)
Faaet Theory (1/1)	Theory of Economic Development
Feminist Theory (2/5)	Theory of Efficiency (1/1)
Game Theory (3/5)	Theory of Fire-Cracked Rocks
Gender Theory (1/1)	Theory of Innovation (2/6)
Germ Theory (2/2)	Theory of the Leisure Class (1/1)
Great Man Theory (1/1)	Theory of Meaning (1/2)
Great Site Theory (1/1)	Theory of Practice (2/2)
Grounded Theory (1/1)	Theory of Relative Deprivation (1/1)
Hierarchy Theory (1/4)	Theory of Salish Migration (1/1)
Hybridization Theory (1/2)	Theory of Site Catchment Analysis (2/2)
Information Theory (3/4)	Theory of Systematics (1/2)
Inheritance Theory (2/3)	Theory of War (1/3)

^a Number following the name is the number of occurrence; (# of documents / # of instances)

TABLE 33. NUMBER OF TIMES SELECTED ANTHROPOLOGICAL THEORISTS APPEAR IN THE NARN/JONA AND NORTHWEST CONFERENCE ABSTRACTS DATASET^a

Name	Name
Aberle, David F. (7/43)	Levi-Strauss (14/39)
Basso, Keith H. (2/20)	Malinowski, Bronislaw (9/17)
Benedict, Ruth (6/19)	Margaret Mead (5/14)
Binford, Lewis R. (33/105)	Renfrew, Colin (10/23)
Boas, Franz ^b (63/1000)	Jeremy Sabloff (6/16)
Chang, K.C. (3/25)	Sahlins, Marshall (4/12)
Clifford, James (2/2)	Sapir, Edward (29/146)
Coon, Carlton (2/7)	Schiffer, Michael B. (19/68)
Darnell, Regna (3/25)	Service, Elman (2/2)
Deetz, James (8/12)	Shanks, Michael (1/3)
Dunnell, Robert C. ^b (100/200)	Steward, Julian (144/197)
Durkheim, Emile (5/12)	Tax, Sol (10/45)
Flannery, Kent V. (3/7)	Turner, Nancy (24/38)
Foucault, Michel (9/11)	Turner, Victor (3/4)
Fried, Morton (2/3)	Wallace, Anthony F. C. (6/7)
Geertz, Clifford (6/14)	Wallerstein, Immanuel 0 (0)
Harris, Marvin (7/7)	White, Leslie A. (4/7)
Hodder, Ian (5/112)	Wiley, Gordon R. (18/26)
Hymes, Dell H. (5/45)	Wolf, Eric (3/5)
Kroeber, Alfred L. (43/178)	Wylie, Alison (1/8)

^a Number following the name is the number of occurrence; the numbers in the parentheses reflect the number of issues/total number of instances

^b These numbers are artificially high due to the number of research articles authored by the individual

Which Theoretical Orientations have been Cited?

Searches were conducted to see if researchers have made reference to broad theoretical orientations, in contrast, to specific theories. These results are provided in Table 34.

TABLE 34. NUMBER OF TIMES SELECTED THEORETICAL ORIENTATIONS APPEAR IN THE NARN/JONA AND NORTHWEST CONFERENCE ABSTRACTS DATASET^a

Theoretical Orientation	Theoretical Orientation
Behavioral Archaeology (2/2)	Marxism (1/3)
Cultural Ecology (32/83)	Modernization (26/76)
Cultural Evolution (24/33)	Postmodern(ism) (10/27)
Cultural Materialism (2/2)	Post-Processualism (1/6)
Culture History (58/147)	Processualism (0/0)
Ethnolinguistics (1/1)	Revitalization (31/105)
Feminism (6/22)	Structuralism (4/6)
Functionalism (2/2)	Systems Theory (6/8)

^a Number following the name is the number of occurrence; the numbers in the parentheses reflect the number of issues/total number of instances

Conclusion

The results of the three efforts to elicit information concerning theoretical interests of Northwest anthropological researchers were somewhat surprising. Given the publication policy that expresses interest in “theoretical studies,” one would expect more explicit reference to specific theoretical approaches and theorists. Of course, not being explicit does not necessarily mean that the researchers and their work have not been influenced by a particular theory or theorist. But, it does suggest that Northwest anthropologists have not been overly theoretical in their publishing in *NARN* and *JONA* or in their presentations at Northwest Anthropological Conferences.

Another approach taken to gain insight to the theoretical influences on Northwest anthropology involved quantifying the number of times various anthropological terms and concepts were found in the *NARN/JONA* database. These results are presented in Table 35.

A main purpose of this chapter was to illustrate the utility of the *NARN/JONA* dataset. Of course a major benefit of the dataset is to search for specific people places or things that are of interest to find information that was published previously. Beyond these simple searches, the dataset provides opportunities to delve deeper into the literature and identify research that fell in and out of favor, and to look for trends over time. Our hope is that researchers will explore the *NARN/JONA* dataset using the tools available for content analysis, learn something new about the people we study or the way we study, and share it.

TABLE 35. ANTHROPOLOGICAL TERMS AND CONCEPTS FOUND IN THE NARN/JONA DATASET SHOWING TOTAL NUMBER OF HITS AND NUMBER OF ISSUES IN PARENTHESES

Acculturation 384 (57)	Family 2134 (101)	Peyote 83 (9)
Adaptation 386 (81)	Female 600 (84)	Political 1167 (92)
Adornment 49 (23)	Fishing 2228 (100)	Potlatch 353 (53)
Aging 27 (21)	Folklore 197 (52)	Poverty 116 (41)
Alcohol 161 (40)	Food 2610 (102)	Power 1703 (95)
Altruism 14 (6)	Formation Processes 44 (23)	
Art 1608 (93)		Racism 57 (23)
Assimilation 107 (51)	Gathering 681 (94)	Rank 251 (54)
	Gender 473 (45)	Reciprocity 105 (21)
Behavior 816 (88)	Geography 217 (60)	Regional 1022 (92)
Belief Systems 15 (13)	Global 130 (39)	Religion 511 (80)
Biology 123 (45)		
Borders 106 (44)	Habitat 266 (69)	Salmon 3884 (101)
	Healing 118 (42)	Sampling 73 (80)
Carrying Capacity 35 (14)	Health 816 (77)	Science 886 (100)
Ceremonial 430 (77)	Hegemony 29 (14)	Scientific 540 (90)
Ceremony 518 (66)	History 4222 (101)	Semiotics 2 (2)
Chiefdom 18 (10)	Household 470 (71)	Settlement Pattern 130 (44)
Child 742 (80)	Human Ecology 31 (2)	Sex 367 (72)
Children 1740 (94)	Humanism 4 (3)	Sexuality 34 (12)
Cognitive 71 (34)	Humanistic 17 (15)	Shaman 239 (46)
Colonialism 55 (25)	Hunter-gatherer 172 (42)	Shamanism 46 (24)
Conflict 460 (84)	Hunting 2296 (100)	Slave 190 (41)
Cosmology 25 (17)		Slavery 65 (30)
Cultural Sequence 91 (34)	Identity 751 (83)	Sociobiology 14 (6)
Culture 4321 (103)	Indigenous 764 (81)	Sociology 130 (55)
Cultural Change 117 (58)	Inductive 15 (8)	Sociological 99 (28)
Culture Change 205 (62)	Inheritance 78 (29)	Song 492 (46)
		Songs 453 (51)
Death 1046 (89)	Kin 334 (73)	Statistical 355 (75)
Deductive 11 (7)	Kinship 394 (67)	Statistics 185 (51)
Deprivation 84 (12)		Stratification 89 (34)
Diet 420 (72)	Language 1786 (95)	Symbolism 51 (31)
Diffusion 215 (55)	Law 1052 (88)	Systematics 19 (4)
Disease 340 (64)	Lithic 1513 (81)	
	Locality 328 (78)	Technology 1088 (96)
Ecology 425 (79)		Tool 1249 (94)
Economic 1842 (96)	Male 579 (87)	Tourism 187 (33)
Economy 551 (87)	Marriage 484 (72)	Trade 2341 (98)
Epistemology 21 (12)	Meaning 592 (93)	Tribe 2606 (101)
Ethnicity 170 (52)	Men 3036 (98)	
Ethnoarchaeology 26 (15)	Methodology 212 (68)	Village 2893 (102)
Ethnobiology 33 (17)	Migration 347 (62)	Violence 233 (40)
Ethnogenesis 36 (9)	Money 602 (85)	
Ethnohistory 178 (61)	Music 249 (51)	Women 2496 (99)
Ethnomedicine 2 (2)	Myth 370 (65)	
Ethnomusicology 15 (6)	Mythology 233 (5)	
Ethnozoology 15 (7)		
Evolution 84 (424)	Nutrition 57 (26)	
Exchange 744 (90)		
Experimental Archaeology 26 (12)	Oral 694 (77)	

The Future

As we embark on the second half-century of publishing and editing the *Journal of Northwest Anthropology*, it is hard to not wonder whether the journal will still exist 50 years from now. The world of anthropological publishing is in a state of flux. Publishing companies are getting larger in size and fewer in number. Books are more expensive than ever; even digital books are unreasonably priced. Several smaller anthropological journals have ceased publication, while many of the national and regional ones have been purchased by big publishing houses. Subscription costs, especially to university libraries, have risen significantly. Additionally, the cost to access past content for those not affiliated with universities or members of professional societies is often prohibitive. For these and other reasons. The demand for anthropological literature is also in decline. Neither professional anthropologists nor anthropology students buy books, subscribe to professional journals, or join professional organizations like they used to.

We have been presently surprised, therefore, to see our subscriber numbers and manuscript submissions holding steady, even increasing slightly. The changes in technology has helped us in several ways. We have been able to reduce our printing costs, largely due to the CreateSpace company owned by Amazon.com, allowing us to increase the number of pages per volume and jumpstart the *Memoir* series. Offering electronic subscriptions to the journal has also helped reduce costs and serve a market that will not purchase printed versions.

Awareness and distribution of past NARN/JONA content—a real problem in the past—has improved significantly, thanks to both the internet, digital publishing, and Amazon.com. Past NARN/JONA articles can be found through internet searches and obtained for no cost through our office. JONA volumes are available electronically after one year for no cost on our website (www.northwestanthropology.com). With this memoir and the DVD containing all 50 years of content and *Memoirs* 1 to 7 available through Amazon.com, virtually anyone interested in any aspect of Northwest anthropology can have our content for minimal cost.

Advances in technology has also affected the nature of the content submitted to JONA for publication. Historical material that used to appear regularly is rarely submitted, an exception being material originally published in other languages that Richard Bland has been submitting. It seems that much of the obscure historical material can now be found via the internet. We are still open to publishing obscure material that is anthropologically relevant, as long as it is not available elsewhere, though we too might publish on our website rather than dedicate journal pages to it.

Bibliographies, which used to appear regularly in NARN, have not been published since 1997. It is not exactly clear why bibliographies have fallen out of favor. Has the internet eliminated the need for topic-specific or geographic-specific bibliographies? Have online databases such as the Washington [state] Information System for Architectural and Archaeological Records Data (WISAARD), which makes cultural resource reports available electronically to approved users, made bibliographies obsolete? Perhaps, but anecdotal experiences suggest that despite the greater accessibility of professional literature, many researchers today are less aware of relevant literature. Some of this may also be due to the sheer volume of material that is available. It may be that after a 20-year hiatus, the need for focused, annotated bibliographies is greater than ever. Therefore, JONA is certainly open to publishing bibliographical material in the future.

No other changes to the JONA publication policy is envisioned. Unless manuscript submissions increase significantly, we will stay with the two issues per volume. We expect to continue publishing at least one memoir each year, and encourage researchers to consider this outlet for publishing their research.

The following are important elements of future success for *JONA*:

- Manuscripts, of course, are the lifeblood of the journal; no content, no journal. It is imperative that anthropologists and those with anthropological interests—retired, working, and student—continue to write and publish their research. We are open, in fact encourage, manuscript submission that use innovative approaches to disseminating the results of anthropological research.
- Subscriptions, both institutional and individual, are critical to sustaining the journal. Despite the volunteering and financial support provided by the editors, revenue from subscriptions covers the majority of printing and mailing expenses. More importantly, subscriptions represent readers; without readers, there is little point in publishing a professional journal.
- Peer reviewers are an important element in ensuring professional quality. A volunteer effort, it is important that professionals and other knowledgeable on specific topics assist the editors in reviewing manuscripts.
- A future editorial and production home for the journal needs to be found. The journal has been fortunate to have had continuity. The current production and publishing through Northwest Anthropology LLC is now in its 8th year. This structure can likely continue for several more years, but a succession plan is needed. From our perspective, it is important that *JONA* continue to operate under an intellectual model, with the purpose to stimulate, encourage, share, and promote anthropologically relevant material. It is unlikely that *JONA* will ever be able to offset all of the expenses with subscription revenues alone.

We will continue to evolve the journal and work to meet the needs of our subscribers and those who value our content. The suggestions made by our friend Larry Campbell in his Foreword to the memoir—to include an article in each volume written for the layman and to produce a glossary of anthropological terms to assist the non-professional reader—are at the top of our list of things to accomplish. We welcome any suggestions readers have to improve the journal and memoir series and appreciate any assistance in producing the journal and increasing awareness of its existence.

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- Appendix B -

Results for Case Study

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Summary

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 Norman Dennis 1973 **Fort Umpqua** bastion of empire. Oakland, Oregon: Oakland Printing Company.
Mentions


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 belonging to the **Fort Umpqua** postmaster during the 1800s, and by more recent logging


File : [JONAArchive.pdf-v. 23, n. 2 - fall 1989.pdf](#)
Title :
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 Fort Yamhill, and **Fort Umpqua** were established at the conclusion of the Rogue Indian


File : [JONAArchive.pdf-v. 26, n. 1 - spring 1992.pdf](#)
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 Hudson~ Bay Company **Fort Umpqua**, 1836-1853 Stephen White U. S. Customs and


File : [JONAArchive.pdf-v. 45 no. 1 - spring 2011.pdf](#)
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 Fort Hoskins and **Fort Umpqua** to guard the newly created Coast Reservation in March


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Title :
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Keywords :

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 in conjunction with **Fort Umpqua**, which was located directly opposite on the north bank."


 S. Army occupied **Fort Umpqua**, situated across the estuary on the North Spit from

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 Hudson's Bay Company's **Fort Umpqua** near present-day Elkton who had a Lower Umpqua


File : [JONA Archive.pdf-v.50, n.2.pdf](#)
Title :
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Author : D Stapp
Keywords : probable dart points


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 U.S. Army **Fort Umpqua** – Past Work and Future Research, Kevin Bruce and


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 U.S. Army **Fort Umpqua** – Past Work and Future Research. Kevin Bruce and

 U. S. Army **Fort Umpqua** was established with Fort Yamhill and Fort Hoskins as

 day Reedsport, Oregon, **Fort Umpqua** was responsible for monitoring traffic along the southern boundary

 University, investigations at **Fort Umpqua**, conducted by the Siuslaw National Forest, have been limited


 of investigations at **Fort Umpqua**, as well as a discussion of potential research questions


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 HUDSON'S BAY COMPANY **FORT UMPQUA**, 1836-1853 Norman D. Schlessler 70 U. S. CUSTOMS

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 HUDSON'S BAY COMPANY **FORT UMPQUA**, 1836-1852 NORMAN D. SCHLESSER Umpqua Community College ABSTRACT

 near Elkton, Oregon, **Fort Umpqua** served as the center of Hudson's Bay Company activities

 Island, and the **Fort Umpqua** site near Elkton (Fig. 1) are the only


 appropriate governmental agencies. **Fort Umpqua** deserves a prominent place in the history of the

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 the site of **Fort Umpqua**.

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 confusion by calling **Fort Umpqua** McKay's Fort in his journal. A likely spot for

 of the cache. **Fort Umpqua** During the 1820s the trail through the Umpqua Basin


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 the trade at **Fort Umpqua** are lost. At this time the only indication of


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 GATE Fig. 2. **Fort Umpqua** on 16 September 1841 (after George Emmons)


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 Rich 1943:271). **Fort Umpqua's** manpower was reduced by one-third as the Owyhees


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 Hines 1851:118). **Fort Umpqua** by its exploration of the basin, the subjugation of


 Approximate Location of **Fort Umpqua** Contemporary accounts of the location of Fort Umpqua place


 the location of **Fort Umpqua** place the post in Township 22 South, Range 7


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 HUDSON'S BAY COMPANY **FORT UMPQUA** Descriptive Category Sub-Total Sub-Total Total
CERAMIC WARE

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 same age as **Fort Umpqua**. The total assemblage of artifacts in such a small

 probably come from **Fort Umpqua**, but the deposit may not mark the exact location

 exact location. Since **Fort Umpqua** is one of the few remaining undisturbed HBC sites

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