

# J. DAVID MCMAHAN

## **SUMMARY OF QUALIFICATIONS AND INTERESTS**

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Until retirement from the State of Alaska in May 2013, I served as Alaska's State Archaeologist and a Deputy State Historic Preservation Officer. With BA and MA degrees in anthropology from the University of Tennessee and more than 40 years in professional archaeology, my interests and skills are diverse. Cross-training and certifications include forensic hair and fiber microscopy, forensic anthropology (police instructor), advanced / rescue SCUBA, marine safety and survival, hazardous waste operations, wilderness medicine, and historic preservation law. With the State's responsibility for managing historic shipwrecks on state submerged lands along more than half the nation's coastline, I played a key role in bringing marine archaeology to Alaska and worked with federal, academic, and private marine archaeologists to investigate several of Alaska's historically important shipwrecks. With a background in forensic anthropology and long-time advisor to the Office of the Alaska State Medical Examiner, I helped solve some of Alaska's most gruesome crimes. I continue to hold a federal appointment as "on call" forensic anthropologist for DMORT Region 10, deployable in mass disasters.

Internationally, I have played key roles in joint U.S.-Russian research projects in Alaska and Siberia, and have cultivated expertise in the archaeology and history of Russian America. I have served as President of the International Association of Specialists on Russian America (IASRA) and am a Board Member of the Alaska-Siberia Research Center (ASRC). I have written a number of successful grant proposals and have served as Principal Investigator on projects in Alaska and Russia. These include marine and terrestrial archaeological investigations, as well as workshops, conferences, and symposia. In addition to an extensive publications list, I have served as keynote speaker, session chair, organizer, and participant in conferences devoted to topics such as maritime heritage, historic and prehistoric archaeology, forensic anthropology, arctic sciences, history, and climate change. Awards include the Alaska Anthropological Association's "Outstanding Service Award" (2006). I presently am employed as a FEMA contractor in Saipan, Commonwealth of Northern Mariana Islands. I live near Nashville with my wife Patty. We have a second home in central Wisconsin, and grandchildren in Wisconsin and California. I remain professionally active, and in 2022 was a co-author on articles in the journals *Environmental Archaeology* and *Arctic Anthropology*.

## **ACADEMIC EDUCATION**

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- 1973-1974: University of Tennessee, Nashville
- 1974: Vanderbilt University, Nashville
- 1974-1983: University of Tennessee, Knoxville  
BA (1977, honors) / MA (1983)  
Academic Emphasis: American archaeology, human osteology, paleoethnobotany  
Principal Professors: Charles Faulkner (archaeology), William Bass (human osteology)

## **ANCILLARY PROFESSIONAL TRAINING & CERTIFICATIONS**

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- Qualified Skeletal Analyst, Wisconsin Historical Society / 2013 - present

- Qualified to Conduct Archaeological Work within the Boundaries of a Human Burial Site and Excavate Burials, Wisconsin Historical Society / 2013 - present
- Introduction to Foreshore and Underwater Archaeology / 3 days (NOAA, Nautical Archaeological Society, 2009 [organizer and instructor in 2010])
- Submerged Aircraft Underwater Escape (LTR Training Systems 2008)
- SCUBA (Open Water, Advanced, Enriched Oxygen, Drysuit, Rescue Diver, Oxygen Administration, First Aid [PADI / Diver Alert Network])
- Marine Safety/Survival Instructor (AMSEA, 1997)
- Hazardous Materials Incident Response Operations /40 Hr. HAZWOPER and annual refreshers (U.S. EPA and NANA Systems, 1994 -present).
- Federal Projects and Historic Preservation Law (GSA Interagency Training Center, multiple courses from 1984-present).
- Alaska Water Wise Boating Safety Course (Alaska State Parks, 2010)
- Archaeological Resources Protection Act /40 Hr. ARPA (Federal Law Enforcement Training Center, 1991; NPS refresher 2011)
- Police Instructor, forensic anthropology (Alaska Police Standards Council, 1992 / no expiration)
- Powerboat Operator Certificate (Alaska State Parks, 2008)
- Scanning Electron Microscopy (University of Alaska, 1999)
- Forensic Hair and Fiber Microscopy (McCrone Institute, 1998)
- Forensic Facial Sculpture (University of Oklahoma, 1991)
- NAGPRA / Native American Graves Protection and Repatriation Act (NPS, 2001, 2011)
- Environmental Enforcement Seminar (NPS and U.S. Attorney's Office 2011)
- Conservation of Archaeological Materials with Silicone (Texas A & M Conservation Research Laboratory)
- Bone Trauma workshop (American Academy of Forensic Sciences, 1996)
- Sexing and Aging the Human Skeleton (American Academy of Forensic Sciences, 1996)
- Annual Firearms and Wildlife Safety Training: rifle, shotgun, handgun (BLM, Alaska State Parks)
- Wilderness Survival Training (multiple courses / training organizations)
- Survival Medicine / 16 hours (LTR Training Systems, 2003 and 2016)

## PROFESSIONAL EXPERIENCE

- Senior Archaeologist  
*Employer.* Wood Environment and Infrastructure Solutions (through AMEC Foster Wheeler merger)  
*Description.* I was hired to provide “on call” archaeological / historic preservation services to FEMA through Wood’s affiliation with CCPRS (a joint venture between CDM Smith and Jacobs Engineering Group). Since July 2019, I have provided on call services to FEMA’s Environmental and Historic Preservation Section in the Mariana Islands, where I co-wrote the archaeological treatment plan that guides ongoing work. I returned to Saipan in September 2021, and am assigned to the EHP Section of the FEMA field office.
- Archaeological Consultant, Owner and Senior Archaeologist (2013-2018)  
*Employer.* McMahan Consulting  
*Description.* As the owner of a small consulting company, I conduct archaeological and forensic investigations. Clients have included engineering companies, state and federal agencies, tribes, and the Native American Rights Fund. In recent years I served as PI (through McMahan Consulting and Sitka Historical Society) for a multi-year National Science Foundation shipwreck

/ survivor camp project in SE Alaska, as well as a consulting archaeologist for the Nondalton Tribal Council. Both projects have been completed.

- Alaska State Archaeologist, Deputy SHPO (2003-2013)

*Employer:* Alaska Department of Natural Resources, Office of History and Archaeology / OHA  
(Anchorage, Alaska)

*Description:* Served as the State of Alaska's expert in archaeology, representing the State on program-wide issues that include both terrestrial and submerged cultural resources. Responsibilities included: oversight of the statewide site inventory program (including the development of an integrated business system); the oversight of planning and quality review of archaeological projects; final review of professional papers and publications; participation in or supervision of archaeological investigations; development and review of agreement documents (MOAs, MOUs, PAs, Cooperative Agreements, etc.); permit review and inspections; inventory and mitigation assessments; participation in SHPO reviews of determinations of eligibility; authorship of reports and publications for both academic and public audiences; oversight of cultural resource management for hazardous substance spills; oversight of and participation in public education and cultural stewardship programs, including regular public presentations, outreach, and collaborations with other organizations; investigation and management of submerged resources; providing technical guidance on a wide range of issues (including cemetery issues, laboratory analysis, and hazardous materials spills); representing the state's historic preservation interests as a Technical Work Group advisor to the Governor's Subcommittee on Climate Change; teaching workshops and classes on historic preservation, heritage issues, and advanced crime scene investigation; developing work plans and budgets for archaeological investigations; carrying out archaeological projects to completion, including publication of final reports; providing technical assistance to other agencies, tribes, and local organizations (such as historical societies and museums); and developing liaisons and collaborative working relationships with other agencies, tribes, and communities. I have assisted the Office of the State Medical Examiner and law enforcement agencies with human remains exhumations, autopsies, field investigations, laboratory analyses and advanced criminal investigation workshops. From 1988-2012, a co-worker and I produced approximately 150-200 forensic reports (either individually or jointly authored). I supervised two senior state archaeologists, two Natural Resource Technicians, and several interns or part-time employees. As a Deputy Chief / SHPO, I regularly supervised all OHA staff (archaeologists, historians, architectural historians, administrative staff, etc.) while the Chief is out of the office. I have represented the state's cultural resource interests during responses to hazardous substance spills, including the EXXON-VALDEZ (1989) and SELENDANG AYU (2004) oil spills. I have prepared numerous grant proposals and received funding from outside sources for projects in Alaska and Russia.

- Forensic Anthropologist / DMORT / GS-13 (2003-present)

*Employer:* U.S. Department of Health and Human Services, National Disaster Medical System  
(On-call position, concurrent with above)

*Description:* I have an appointment as Forensic Anthropologist for the Federal Region 10 (Alaska, Oregon, Idaho, and Washington) Disaster Mortuary Operational Response Team (DMORT), subject to deployment as a uniformed federal employee in the event of a mass disaster within the United States. During an emergency response, DMORT's work under the guidance of local authorities by providing technical assistance and personnel to recover, identify, and process deceased victims. My last deployment (to California) was completed in March 2020.

- Senior Archaeologist / Program Manager (2001-2003)  
*Employer:* Alaska Department of Natural Resources, Office of History and Archaeology  
 (Anchorage, Alaska)  
*Description:* Essentially performed the duties of the State Archaeologist described above prior to formal appointment. These included the issuance of permits for archaeological investigations on state lands; preparation and review of compliance documents and research designs; oversight of the state's site inventory program; providing counsel to the State Medical Examiner and law enforcement agencies on cemetery and human remains issues; advising the State Historic Preservation Officer on archaeological, cemetery, and human remains issues; investigating issues relating to historic shipwrecks and submerged aircraft; developing research designs or work plans and preparing budgets for archaeological projects; and representing the state's cultural resource interests during responses to hazardous materials spills.
  
- Project Archaeologist (1984-2001)  
*Employer:* Alaska Department of Natural Resources, Office of History and Archaeology  
 (Anchorage, Alaska)  
*Description:* Planned and performed archaeological and anthropological investigations, including technical research, on behalf of the state to insure compliance with federal and state guidelines during public construction planning. This involved carrying out archaeological projects to completion, including publication of final reports. Provided forensic counsel to the State Crime Laboratory and State Medical Examiner. I provided SHPO oversight during the cleanup following the EXXON-VALDEZ (1989) oil spill.
  
- Project Archaeologist (1976-1983)  
*Employer:* University of Tennessee, Knoxville  
*Description:* Served as project archaeologist for the Anthropology Department and McClung Museum at the University of Tennessee while a graduate student there. Employment ranged from half-time (winters) to full-time (summers), with responsibilities that increased with experience and education. This involved carrying out archaeological projects to completion, including publication of final reports. Supervised field and laboratory crews during data recovery in conjunction with public construction, prepared final reports.
  
- Seasonal Archaeologist / GS-7 (1977, 1978)  
*Employer:* U.S. National Park Service, Alaska Region  
*Description:* Performed archaeological reconnaissance (site inventory, testing, and evaluation) as part of a small team on the Arctic Slope of Alaska. This also involved some work at the "Bishop's House," Sitka National Historical Park, in 1978. Required the use of inflatable rafts and helicopters for crew transport, as well as long term camping in remote settings.
  
- Seasonal Archaeologist / State of Tennessee (1973, 1975-1976)  
*Employer:* Tennessee Division of Archaeology, Nashville  
*Description:* Participated in supervised data recovery at several prehistoric and historic sites; conducted supervised and unsupervised site survey in the Cumberland River valley.

## **AWARDS AND RECOGNITION**

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- Appointment, Health and Culture Technical Group, Governor's Panel on Climate Change (2009-2010)
- Director's Award for Exemplary Service, Alaska Division of Parks & Outdoor Recreation (2008)
- Plaque of Commendation, Joint Siberian-Alaskan Research Group on Russian America (2007)
- Outstanding Service to the Association Award, Alaska Anthropological Association (2006)
- Certificate of Appreciation for work towards preservation of historic shipwrecks in Alaska, Alaska Division of Parks (2005)
- Certificate of Appreciation and Founding Member pin, U.S. Dept. of Homeland Security (DMORT, 2004)
- Certificate of Appreciation for instructing "Human Remains and Clandestine Graves," Alaska State Troopers (1992)  
Award for instructing "Advanced Criminal Investigation Training," Alaska Peace Officers' Assoc. (1992)
- Certificate of Appreciation, Alaska Peace Officers' Association (1990)
- Eagle Scout (1972)

## **PROFESSIONAL AFFILIATIONS**

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- President, International Association of Specialists on Russian America (IASRA)
- Board Member, Alaska-Siberian Research Center
- Guest Curator for the development of permanent exhibits, Alaska State Museum (2014-2015)
- Board Member, Accessions Advisory Committee, the Alaska State Museums (2013-2018)
- Registered Professional Archaeologist (RPA)
- Society for Historical Archaeology
- Alaska Historical Society (authorized representative for NSF grant proposals)
- Alaska Anthropological Association (former board member)
- Museums Alaska
- National Maritime Historical Society
- Board Member, Dept. of Anthropology Graduate Advisory Board, Univ. of Alaska Anchorage
- Sitka Historical Society
- Tennessee Council for Professional Archaeology, Inc.

## **GRANTS AWARDED (PRINCIPAL INVESTIGATOR)**

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- National Science Foundation (2013-2018): American-Russian Investigation of the NEVA Wreck and Survivor's Camp: 200th Anniversary Expedition, Sitka, Alaska.
- National Science Foundation (2011): Planning for Future Research on Russian America through International Seminars.
- Alaska International Education Foundation (2011): Travel award to subsidize NSF funds: Planning for Future Research on Russian America through International Seminars.

- National Science Foundation (2010): Archaeological testing of Russian sites in Sitka, participation in the 2010 International Conf. on Russian America, and tribal cultural activities on the Kenai Peninsula.
- National Science Foundation (2009): Exploring the Tea Road to Alaska through Workshop Participation, Archaeological Exploration and Archival research in Irkutsk and Kiakhta, Russia.
- Rasmuson Foundation (2009): Conservation Treatment of Artifacts from the TORRENT Shipwreck Site, Kachemak Bay, for Museum Curation and Display in Alaska.
- Alaska International Education Foundation (2007): Travel award to participate as “invited speaker” at “Two Centuries of U.S.-Russia Relations,” an international conference at the Russian Academy of Sciences, Moscow, Russia.
- National Science Foundation (2006): Joint Siberian – Alaskan Research Group on Russian America: Cooperative Research Projects, 2006-2007: Phase I (workshops and community outreach in Alaska and California)
- National Oceanic and Atmospheric Administration, Office of Ocean Exploration (2005): Submerged Cultural Resource Management on the Last Frontier: Reconnaissance, GIS Mapping, and Biotic/Geochemical Characterization of Threatened Shipwreck Sites in Southeast Alaska.
- Beringian Heritage International Park Program, U.S. National Park Service (2004): Alaska’s Submerged Cultural Heritage: Bilingual Publication of the KAD’YAK Archaeological Investigation.
- Alaska International Education Foundation (2005): Travel award in conjunction with Joint Siberian-Alaskan Research Group on Russian America, August 2005 Activities in Irkutsk, Russia.

## PUBLICATIONS (PRIMARY)

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McMahan, J. David

- 2018 The Survivor Camp and Wreck Site of the Russian-American Co. Ship *Neva* (1800-1813), a British Built Frigate in Russian Alaska (Poster), Alaska-Siberia Research Center / Sitka Historical Society. Poster presentation at the International Symposium on Boat and Ship Archaeology, Marseille, France, October 22-27, 2018. Available online at: [http://mcmahanconsulting.com/home/neva\\_project\\_report](http://mcmahanconsulting.com/home/neva_project_report).
- 2017 Report of 2012-2015 Research Relating to the Russian-American Company Ship *Neva* and Potential Shipwreck Survivor Camp, Alaska. *Alaska Journal of Anthropology*, Vol. 15 (1-2):66-78. Alaska Anthropological Association, Anchorage (in press).
- 2017 The 1813 Wreck of the Russian-American Company Sailing Ship NEVA, the Final Chapter [in Russian]. In *Culture of Russians in Archaeological Researches*:276-281. Russian Academy of Sciences, Administration of the Krasnoyarsk Region, Nauka Publishing House, Omsk, Russia.
- 2017 Archaeological Investigation of the 1813 Wreck Site of the Russian-American Company Ship

- NEVA, Sitka, Alaska. Reports of the Laboratory of Ancient Technologies, Scientific Journal 13(1):47-66. Irkutsk State Technical University, Irkutsk, Russia.
- 2017 Final Report: 2016 Archeological Investigations in Kijik Archeological District NHL *Quk Tax'un* (XLC-098). Report prepared for the Nondalton Tribal Council in Support of NPS Agreement Number P13AC01206.
- 2016 Report of 2012-2015 Research Relating to the Russian-American Company Ship Neva and Potential Shipwreck Survivor Camp, Alaska. *History: Journal of Education and Science*. 7(4[48]) DOI: 10.18254/S0001507-6-1. Moscow, Russia.
- 2016 Report of 2012—2015 Research Relating to the Russian-American Company Ship Neva and Potential Shipwreck Survivor Camp, Alaska. *History: Journal of Education and Science*. 7(4 (48)). DOI: 10.18254/S0001507-6-1
- 2016 Final Report: 2015 Archeological Investigations in Kijik Archeological District NHL. Report prepared for the Nondalton Tribal Council in Support of NPS Agreement Number P13AC01206.
- 2014 Final Report: 2014 Archeological Investigations in Kijik Archeological District NHL. Report prepared for the Nondalton Tribal Council in Support of NPS Agreement Number P13AC01206.
- 2013 The Assessment of Data Potential for Select Colonial Russian Sites in Sitka: Results of Cooperative American – Russian Investigations. Proceedings of the 2010 International Conference on Russian America, Sitka National Historical Park and the Sitka Historical Society. Archgraphics.
- 2011 Book Review of *A Death Decoded: Robert Kennicott and the Alaska Telegraph, A Forensic Investigation* Sandra Spatz Schlachtmeyer, Voyage Publishing, Inc., 2010. Reviewed for Alaska History, Vol. 26, No. 1 (Spring 2011), Anchorage.
- 2009 The Archaeology of Russian Colonial Sites in Alaska: Recent and Current Research. Accepted for publication in *Proceedings of the Bicentennial of Russian-American Relations, the History of Russian America*, edited by Alexander Petrov. Institute of World History, Russian Academy of Sciences, Moscow.
- 2008 Southeast Alaska Historical Sites, Featuring Sitka [Castle Hill]. In *Archaeology in America: An Encyclopedia*, Vol. 4 (West Coast and Arctic/Subarctic), edited by Linda S. Cordell, Kent Lightfoot, Francis McManamon, and George Milner, Greenwood Publishing Group, Santa Barbara.
- 2008 Exploring Underwater Heritage on the Last Frontier: Recent Partnerships and Projects in the State of Alaska. *Foghorn*, Vol. 19(2), March – April 2008. Underwater Archaeological Society of British Columbia, Vancouver.
- 2007 An Overview of the Archaeology of Russian America: the Past, Present, and Future. In *Russian America: Materials of the Third International Scientific Conference 'Russian America'*, edited by Afanasieva-Medvedeva, G.V., T.A. Kriuchkova, Y.P. Lykhin, A.K. Nefedieva, and V.V. Tikhonov, pp. 133-147. Federal Agency of Culture and Cinematography, Department of Culture and Archives of the Irkutsk Region, and Architectural and Ethnographic Museum

‘Taltsi’ (ISBN 978-5-91344-064-8).

- 2007 Management of Alaska’s Submerged Cultural Resources: A Current Assessment. In Cultural Resource Management in Alaska, edited by Diane K. Hanson. Special issue: *Alaska Journal of Anthropology*, Vol. 5(2):55-66. Alaska Anthropological Association, Anchorage, Alaska.
- 2007 Alaska’s Submerged History: The Wreck of the Kad’yak (in English and Russian). In *Proceedings of the international conference: Beringia Days 2006*, Shared Beringian Heritage Program, Alaska Region, United States National Park Service, Anchorage, Alaska.
- 2006 The Castle Hill Archaeological Project, Sitka, Alaska: Overview of an Early 19<sup>th</sup> Century Russian American Artifact Assemblage. In *Journal of the Architectural and Ethnographic Museum Talci*, Vol. 5: 7-25, Irkutsk.
- 2004 *Archaeological Investigations at Castle Hill: the Early 19<sup>th</sup> Century Colonial Capitol of Russian-America, Sitka, Alaska*. Manuscript accepted for publication by the Institute of History, Archaeology and Ethnography of the Far Eastern Branch of the Russian Academy of Sciences.
- 2003 Lead Seals of the Russian-American Company: A Perspective from the Castle Hill Collection. *Museum of the Fur Trade Quarterly*, volume 39, number 3 (Fall 2003).
- 2002 The Russian American Company in Sitka: Archeological Perspectives (in Japanese). In *Trade and Crafts of Indigenous Peoples in the North Pacific Rim*, edited by Kazuyoshi Ohtsuka, pp. 172-175. Japanese National Museum of Ethnology, Osaka.
- 2002 *Final Report of the Castle Hill Archaeological Project*, editor. Office of History and Archaeology Report Number 87, Division of Parks and Outdoor Recreation, Alaska Department of Natural Resources, Anchorage.
- 2001 Castle Hill Collection (in Japanese). In *The Sea Otter and Glass Beads: Trade of Indigenous Peoples in the North Pacific Rim*, exhibition catalog. Japanese National Museum of Ethnology, Osaka.
- 1999 Archaeology at Alaska’s Castle Hill, the Colonial Capitol of Russian America. In *Unseen Treasures: Imperial Russia and the New World*, published by the American-Russian Cultural Cooperation Foundation, pp. 17-22. Virginia Lithograph, Arlington.
- 1996 *Archaeological Investigation of the Uyak Site (KOD-145) in Conjunction with Access Road Construction: Larson Bay, Alaska (Project 59779)*. Office of History and Archaeology Report Number 58, Division of Parks and Outdoor Recreation, Alaska Department of Natural Resources, Anchorage.
- 1995 *Cultural Resources Survey of State Lands Near Willon, Alaska: Parks Highway Mile 80*. Office of History and Archaeology Report Number 56, Division of Parks and Outdoor Recreation, Alaska Department of Natural Resources, Anchorage.
- 1995 *Cultural Resources Survey of Proposed Runway Alternatives at Shaktoolik, Alaska (Project No. 64759)*. Office of History and Archaeology Report Number 45, Division of Parks and Outdoor



Recreation, Alaska Department of Natural Resources, Anchorage.

- 1993 *Archaeological Investigations in the Gulf of Alaska: A State Response to the Exxon Valdez Oil Spill*. Office of History and Archaeology Report Number 29, Division of Parks and Outdoor Recreation, Alaska Department of Natural Resources, Anchorage (2nd Printing: February 1994).
- 1985 Chapter IX, Excavation Results for SEW-214 and SEW-216. In *Progress Report Project F-021-2(15)/(AO9812) Sterling Highway Archaeological Mitigation: Phase I Excavations at Four Sites on the Kenai Peninsula*, edited by Charles E. Holmes, pp. 141-246. Alaska Division of Geological and Geophysical Surveys Public Data File No. 85-04, Fairbanks.
- 1985 Chapter I: Northwest Alaska Prehistory; Appendix A: Cultural Resource Surveys and Sites on State Lands; and Appendix B: Northwest Alaska Site Inventory. In *Northwest Alaska Cultural Resources Report*, edited by Craig Mishler, pp. 4-16, 111-116, and 117-168. Alaska Division of Geological and Geophysical Surveys Public Data File No. 85-42L, Fairbanks.
- 1983 *Paleoethnobotany of the Late Woodland Mason Phase in the Upper Elk and Duck River Valleys, Tennessee*. Unpublished M.A. Thesis, Department of Anthropology, The University of Tennessee.

McMahan, D, T. Dilliplane, A.V. Kharinsky, V.V. Tikhonov, J. Kinsman, and S. Thorsen  
2011 Russian-American Archaeological Excavations at Three Colonial Russian Sites in Sitka, Alaska, 2010. Proceedings of the conference *Russian Culture in Archaeological Research: Multi-disciplinary Methods and Technologies*, Omsk State University and the Omsk Branch of the Institute of Archaeology and Ethnography, Russian Academy of Sciences, Omsk, Russia, February 2011.

McMahan, J. David and Charles H. Faulkner

- 1982 *Archaeological Testing of the Marshall Site*. Project conducted and reported in accordance with the Tennessee Department of Transportation Project No. 32010-1311-23. Department of Anthropology, The University of Tennessee, Knoxville.

McMahan, J. David and Daniel Thompson

- 2020 *Final Report of Investigation: American-Russian Investigation of the NEVA Wreck and Survivor Camp: 200th Anniversary Expedition, Sitka, Alaska*. Report prepared by McMahan Consulting in fulfillment of: "Memorandum of Agreement among the National Science Foundation, the USDA Forest Service, the Alaska State Historic Preservation Officer, the Sitka Tribe of Alaska, and Dave McMahan;" and National Science Foundation Award No. PLR-1330939 USDA Forest Service ARPA Permit ID No. SIT699 / 620935010602, USDA Forest Service ARPA Permit ID No. SIT712 / 620935010602, and Alaska DNR Office of History and Archaeology Permit No. 2014-02, as amended. Available online at: [http://mcmahanconsulting.com/home/neva\\_project\\_report](http://mcmahanconsulting.com/home/neva_project_report).

## **PUBLICATIONS (SECONDARY)**

Dale, R. Joan and J. David McMahan

- 2007 *Treatment of Human Remains from Alaska in Cultural Resource Management: A State Perspective*. In *Cultural Resource Management in Alaska*, edited by Diane K. Hanson. Special issue: *Alaska Journal of Anthropology*, Vol. 5(2):87-96. Alaska Anthropological Association,

- Anchorage, Alaska.
- Dolgikh, Boris O., Edited and Adapted by Alexander B. Dolitsky and J. David McMahan, Translated by Henry N. Michael  
 2022 Tales and Traditions of the Nganasans. *Arctic Anthropology* 58(1):80-97. University of Wisconsin Press.
- Kharinsky, A.V., A.U. Isaev, I.V. Sterhova, A.M. Klementaev, J.D. McMahan, and T.L. Dilliplane  
 2008 The Historical Center of Irkutsk and its Potential for Archaeological Study (in Russian). In *Russian Cultural and Archaeological Expeditions*, edited by Larisa Tamarova. Olmsk, Russia. (ISBN 978-5-903328-15-4)
- McMahan, J. David, John O. Jensen, Stephen Jewett, John Kelley, Sathy Naidu, Hans Van Tilburg, and Michael Burwell  
 2007 Submerged Cultural Resource Management on the Last Frontier: Reconnaissance, GIS Mapping, and Biotic/Geochemical Characterization of Threatened Shipwreck Sites in Southeast Alaska. In *Diving for Science 2007: Proceedings of the American Academy of Underwater Sciences, 26<sup>th</sup> Symposium*, Dauphin Island, AL.
- McMahan, J. David and R. Joan Dale  
 1988-2010 Approximately 200 authored and co-authored reports (1-10 pages) have been produced for the Alaska Scientific Crime Detection Laboratory, the Alaska State Troopers, local law enforcement agencies, and the Office of the State Medical Examiner. Examples can be provided on request.
- McMahan, J. David and Michael W. Strunk  
 2006 The Arms and Munitions of Russian America: A Perspective from the Castle Hill Site, Sitka, Alaska. In *Journal of the Architectural and Ethnographic Museum Talci*, Vol. 5: 46-57, Irkutsk.
- Mobley, Charles M., Douglas Reger, J. David McMahan, Susan Bender, and Alan Boraas  
 2017 The Kasilof Cache: A Prehistoric Dena'ina Toolkit. *Alaska Journal of Anthropology*, Vol. 14 (1-2):71-87. Alaska Anthropological Association, Anchorage.
- Perzinski, David, Joe D. McMahan, and David Herdrich  
 2020 *Archaeological Treatment Plan for FEMA-funded Disaster Recovery Activities on Saipan, Tinian, and Rota Islands, Commonwealth of the Northern Mariana Islands (DRAFT)*. Prepared for the Federal Emergency Management Agency (FEMA), Department of Homeland Security, Region 9 Environmental and Historic Preservation (EHP) Section, Oakland, CA.
- Vanderhoek, Richard, Randolph M. Tedor and J. David McMahan  
 2007 Cultural Materials Recovered from Ice Patches in the Denali Highway Region, Central Alaska, 2003-2005. *Alaska Journal of Anthropology*, Volume 5, No. 2.
- Wygall, Brian T., Kathryn E. Krasinski, Jessica Z. Metcalfe, David McMahan, Charles E. Holmes, Barbara A. Crass, Teresa A. Wriston, Sabrina Shirazi, Alisa Vershinina, and Beth Shapiro  
 2022 Archaeological Recovery of Late Pleistocene Hair and Environmental DNA from Interior Alaska. *Environmental Archaeology: The Journal of Human Palaeoecology*. Online and print: <https://doi.org/10.1080/14614103.2022.2031836> (DOI: 10.1080/14614103.2022.2031836).

## **PUBLIC AND PROFESSIONAL PRESENTATIONS (SELECTIVE LIST)**

- 2019 *Russian-Alaskan Collaborations on Shared Heritage Projects: a Summary*. Prepared by Dave McMahan for Anatoli Antonov, Russian Ambassador to the U.S. The summary was requested by Ambassador Antonov while McMahan accompanied him on a tour of cultural sites in Juneau and Sitka, Alaska, in June 2019.
- 2019 Alaska's Historic Shipwrecks: Snapshots in Time. Keynote address at the Anchorage Museum of History in conjunction with the opening of the exhibit "Death in the Ice: the Mystery of the Franklin Expedition" in June, 2019.
- 2019 The Final Voyage of the NEVA: A Story of Survival in 1813 Russian America. Public presentation by invitation of the Anchorage Museum, June, 2019.
- 2017 Final Chapter of the Russian-American Company Ship NEVA (1800-1813). Commemoration of the 200<sup>th</sup> anniversary of the Russian fortress Fort Elizabeth on the island of Kauai. Kapaa, Hawaii, November 2017.
- 2017 The Archaeology of Survival, the Final Chapter of the Russian-American Company Ship NEVA (1800-1813). University of Alaska Anchorage, Department of History and Alaska Native Studies. Invited speaker: Sesquicentennial Panel Discussion on the History of Russian America. October 2017.
- 2017 Exploring the Archaeology of Colonial Russian America. Keynote Speaker, Midwest Historical Archaeology Conference, Purdue University. October 2017.
- 2017 The Archaeology of Survival, the Final Chapter of the Russian-American Company Ship NEVA (1800-1813). Invited speaker, Conference on the History of Russian America. Ryazan, Russia. September 2017.
- 2017 2012-2016 Research Relating to the Russian-American Company Ship NEVA and 1813 Shipwreck Survivor Camp, Alaska. Society for Historical Archaeology, Houston. January 2017.
- 2016 Exploring the Archaeology of New Archangel and Russian America. Invited speaker: International Scientific Conference "The Russian North and Arctic regions: History, Traditions, Images." Archangelsk, Russia. April 2016.
- 2016 Report of 2012-2015 Research Relating to the Russian-American Company Ship NEVA and Potential Shipwreck Survivor Camp, Alaska. Invited speaker: International Conference on the History and Heritage of Russian America. Russian Academy of Sciences, Moscow, Russia. April 2016.
- 2016 Russian-American Company Ship NEVA and 1813 Shipwreck Survivor Camp. Invited Speaker, Russian Geographical Society, Moscow, Russia. April 2016.
- 2015 Field Methods for Finding Forgotten Graves. Presentation for the Kenaitze Indian Tribe, Kenai, Alaska. March 2015.
- 2014 Secrets of the Dead: Solving Mysteries with Forensic Anthropology. Alaska Prospector's

- Society (September 2014).
- 2014 Revealing the Secrets of the Dead through Forensic Anthropology. Coffee with a Scientist Series, Alaska Public Lands Information Center, Anchorage (August 2014).
  - 2013 Exploring the Archaeology of Alaska's Russian Heritage. Andrew P. Kashevarof Memorial Lecture Series, Alaska State Museum, Juneau (March 2013).
  - 2013 Minutiae: The Characterization of Organic Residues from Archaeological Sites. Guest lecturer for Archaeological Methods class, Purdue University (May 2013).
  - 2013 Exploring the Archaeology of Alaska's Colonial Russian Heritage. Guest faculty lecturer, Anthropology Department, Purdue University.
  - 2013 The Story of the NEVA: 200<sup>th</sup> Anniversary. Public lecture sponsored by the Sitka Historical Society (March 2013).
  - 2013 Exploring Alaska's Maritime Heritage through Partnerships. Public lecture at Klondike Gold Rush National Historical Park, Skagway (April 2013).
  - 2012 Exploring Alaska's Russian Heritage through International Collaborations: 2011 IASRA Activities. Alaska Anthropological Association Annual Meeting (March 2012).
  - 2012 An Archaeological Reflection on New Arkangel's International Material Culture in the Early 19<sup>th</sup> Century. Alaska Historical Society Annual Meet
  - 2012 An Overview of State Laws and Protocols Relating to the Discovery and Treatment of Human Remains in Alaska. Annual Meeting of Museums Alaska.
  - 2012 Exploring Russian-American Trade through Comparison of Chemical XRF Signatures of Glass from Colonial Russian Sites in Alaska and the Tal'tsinka Factory in Central Siberia. PXRF Workshop, Museums Alaska and Alaska Historical Society Annual Meeting.
  - 2012 Anthropology in Forensic Science. Coffee with a Scientist Series, Alaska Public Lands Information Center, Anchorage (June 2012).
  - 2012 Alaska's Maritime Heritage. Coffee with a Scientist Series, Alaska Public Lands Information Center, Anchorage (July 2012).
  - 2012 Alaska's Colonial Russian Settlements. Coffee with a Scientist Series, Alaska Public Lands Information Center, Anchorage (August 2012).
  - 2012 Anthropology in Forensic Science. Guest Lecturer, Criminology, University of Alaska Anchorage (November 2012).
  - 2011 Exploring Alaska's Colonial Russian Heritage through International Collaborations: 2004-2011. Public talk at the State Office Building, Anchorage. Repeated for the Alaska Prospector's Society in 2012. A shorter version was presented to the Alaska Historical Commission and Lt. Governor.

- 2011 Submerged Cultural Resource Management on the Last Frontier. Paper presented at the International Submerged Lands Conference, Girdwood, Alaska, May 11, 2011.
- 2011 CSI Meets Indiana Jones: How Archaeologists Help Solve Crimes. Public talk at the Pratt Museum, Homer, Alaska. Originally presented in 2009 as part of the BLM monthly Fireside Chat series in Anchorage. It was repeated for the Sisters of Crime, law enforcement, and the general public, at the Palmer Lion's Club.
- 2011 Seminars and Meetings in Ryazan, Kaluga, Vologda, Totma, and Moscow relating to the Study and Public Interpretation of Colonial Russian America. Presentation to the Board of Directors and guests of the Alaska International Education Foundation, Anchorage.
- 2011 Conservation Planning for the Effects of Climate Change on Alaska's Coastal Archaeological, Historical, and Cemetery Sites. Annual Meeting of the Association of Environmental and Engineering Geologists, Anchorage.
- 2010 Exploring China's Tea Road to Russian America through Investigations on the Mongolian-Russian Border. Society for Historical Archaeology, scheduled for Jacksonville, Florida, January 2010 (with Artur Kharinsky, Vladimir Tikhonov, Timothy Dilliplane, and Katherine Arndt).
- 2009 Exploring the Material Culture of Colonial Russian America through Recent Investigations in Central Siberia. 17<sup>th</sup> Arctic Conference, Institute of Arctic and Alpine Research, University of Colorado at Boulder, November 13 – 14, 2009 (with Vladimir Tikhonov, Artur Kharinsky, and Timothy Dilliplane).
- 2009 Exploring Russian-American Trade through Comparison of Chemical XRF Signatures of Glass from Colonial Russian Sites in Alaska and the Tal'tsinka Factory in Central Siberia. Claudia Brackett, J. David McMahan, and Julia Kleyman. Poster: Annual Meeting of the Alaska Anthropological Association, Juneau, March 2009.
- 2009 Understanding Russian America: a Perspective from the Motherland, Excavations at the Baranov Glassworks and the Russian-American Company Building, Irkutsk, Russia. J. David McMahan, Timothy L. Dilliplane, Artur V. Kharinsky, and Vladimir V. Tikhonov. Poster: Annual Meeting of the Alaska Anthropological Association, Juneau, March 2009.
- 2008 Exploring Underwater Heritage on the Last Frontier: Recent Partnerships and Projects in the State of Alaska." Keynote speaker: Underwater Archaeological Society of British Columbia, Bamfield, BC, April 5, 2008.
- 2008 Cultural Resource Management in Alaska: Programs of the Alaska Office of History and Archaeology, presentation for the Heritage Branch, Provincial Government of British Columbia, April 3, 2008.
- 2008 Russian Colonial Archaeology and Cultural Exchange in Alaska and Siberia: An Overview of Recent Collaborations (McMahan, Dilliplane, Kharinskiy, and Tikhonov). Paper and poster, Alaska Anthropological Association Annual Meeting, March 1, 2008, Anchorage.
- 2008 Underwater Archaeology and Maritime Heritage in the State of Alaska: An Update. Paper

- presented at the Alaska Anthropological Association Annual Meeting, March 1, 2008, Anchorage.
- 2008 Exploring Russian-American Trade through Comparison of chemical XRF Signatures of Glass from Colonial Russian Sites in Alaska and the *Tal'tsinke* Factory in Central Siberia. Paper and poster presented at "ART2008: 9<sup>th</sup> International Conference, Jerusalem, Israel and 37<sup>th</sup> International Conference on Archaeometry, Siena, Italy. (with Claudia Brackett and Julia Kleyman)
- 2007 Session Co-Chair: "The Last Frontier: Progress and Challenges of Underwater Archaeology in Alaska." Presenter: Underwater Archaeology and Maritime Heritage in the State of Alaska: An Update. Eighth Maritime Heritage Conference, San Diego, October 9-12, 2007.
- 2007 Session Co-Chair: "Geography, History and Archaeology," 2007 Arctic Science Conference, American Association for the Advancement of Science, Anchorage, Alaska, September 24-26, 2007.
- 2007 Only in Alaska! Missing Person Vs. Cremains and How to Tell the Difference. Poster Session (with Kathy Day, Office of the Alaska State Medical Examiner), American Academy of Forensic Sciences, poster being prepared for the conference to be held in February 2007.
- 2007 An Overview of the Archaeology of Russian America: the Past, Present, and Future. Paper presented at the Third International Conference on Russian America. Irkutsk, Russia, August 8-12, 2007. Complete text at <http://pribaikal.ru/project-item/article/5007.html?cHash=38691b2297&print=1>.
- 2007 The Archaeology of Russian America: Recent and Ongoing investigations. Paper presented at the conference: "Two Centuries of U.S. – Russia Relations," Moscow, Russia, November 8-10, 2007.
- 2007 The Archaeology of Russian Colonial Sites in the New World: Insights from Alaska and Central Siberia. Paper presented at the Society for Historical Archaeology annual conference, Williamsburg, Virginia, January 2007.
- 2006 Anthropology in Forensic Science. Lecture presented annually for the University of Alaska Anchorage class "Introduction to Forensic Science," taught by Jim Wolfe. Anchorage, October 2006.
- 2006 Alaska's Submerged Heritage: 2006 Investigations in Lynn Canal. Paper presented by John Jensen (University of Rhode Island) and Dave McMahan at the Alaska Historical Society Annual Meeting, Juneau, October 2006.
- 2006 An update on the Kad'yak Publication Project (under FY 2005 Beringia Grant), and Recent Activities of the Joint Siberian-Alaskan Research Group on Russian-America (under FY 2006 NSF Grant. Paper presented at the U.S. National Park Service Beringia Days Conference, Anchorage, September 2006.
- 2006 Minutiae: the Characterization of Microscopic Residues from Archaeological Sites.

- Lecture presented annually for the University of Alaska Anchorage class “Lab Methods in Archaeology,” taught by Dr. Doug Veltre. Anchorage, November 2006.
- 2005 Case Studies in Forensic Anthropology: Examples from Alaska. Talk given to the Rotary Club, Anchorage, 2005.
- 2005 Joint Siberian-Alaskan Research Group on Russian America: Opportunities in the Irkutsk Region. Paper presented at the Alaska Anthropological Association Annual Meeting, Fairbanks, April 2005.
- 2005 Alaska’s “Ship of Gold”: Documentation of the Steamer *SS Portland*. Paper presented with John O. Jensen, Michael H. Burwell, and Karl Gurcke at the Alaska Anthropological Association Annual Meeting, Fairbanks, April 2005. [aired on PBS “History Detectives” in August 2004.
- 2001 Archaeology at Alaska’s Castle Hill: Perspectives on Trade and Industry in Colonial Russian – America. Paper presented at the International Conference: Indigenous Trade and Art in the North Pacific Rim. Osaka, Japan, October 2001.
- 2000 Archaeology at Alaska’s Castle Hill, the Colonial Capital of Russian America. Paper presented at the opening of the exhibition: Unseen Treasures and the New World: A Millennium Exhibition from the Russian State Historical Museum. Trenton, New Jersey, March 2000.
- 1999 Castle Hill Archaeological Project: Results of the 1998 Field Season. Alaska Anthropological Association Conference, April 1 1999, Fairbanks.
- 1999 Characterization of Hairs and Fibers from Castle Hill: Preliminary Results of Microscopic Examination. Alaska Anthropological Association Conference, April 1, 1999, Fairbanks.
- 1999 Archaeology of Russian-America: Insights from Castle Hill, Sitka, Alaska. Talk presented to the East Texas Archaeological Society, East Texas A & M University, February 1998. The same paper was delivered as part of the invited lecturer series at the University of Tennessee, Department of Anthropology.
- 1997 Early 19<sup>th</sup> Century Cobblers, Barbers, and Metalsmiths: Insights from the Archaeology of Castle Hill. Paper presented to the Alaska Historical Society, November 1997, Sitka. (Paper was repeated at the Alaska Anthropological Association in April 1998)
- 1997 Murder Most Foul: Alaskan Case Studies in Forensic Anthropology. Public lecture given (with R. Joan Dale) at the Anchorage Museum of History and Art, Archaeology Week Series, March 1997.
- 1995 Analysis of an Early Historic Russian Burial from the Aleutians: A Glimpse into the Past of the Unalaska Settlement. Paper and Poster prepared for the 1995 Alaska Anthropological Association Conference, April 1995, Anchorage.
- 1994 OHA Investigations at the Chilkoot Lake State Recreation Site: An Adventure in Public Archaeology. Paper presented at the 1994 Alaska Anthropological Association Conference,

March 30 – April 2, 1994, Juneau.

- 1993 Analysis of Wooden Artifacts and Other Plant Materials from Three Gulf of Alaska Sites. Paper presented at the 1993 Alaska Anthropological Association Conference, April 8-10, 1993, Anchorage.
- 1993 Progress Report on the Documentation of Archaeological and Historic Properties Along the Copper River Railroad. Talk given to the Chitina Native Elders, 5/20/93.
- 1993 Archaeological Resources of the Gulf of Alaska and Prince William Sound Areas. Public talk in Kodiak, Alaska, 8/22/93.
- 1992 Human Skeletal Remains and Clandestine Graves: A Training Course for Criminal Investigators (with R. Joan Dale). Series of lectures prepared for an 8 hour course taught for the Alaska Department of Public Safety, Scientific Crime Detection Laboratory, Anchorage.
- 1992 An Overview of Forensic Anthropology for the Law Enforcement Officer. Paper presented (with R. Joan Dale) at the Alaska Peace Officers Association Crime Conference, April 14, 1992.
- 1990 The Analysis of Human Skeletal Remains and Human Identification for the Law Enforcement Officer. Lecture delivered to the Crime Scene Investigation and Physical Evidence School, Alaska Scientific Crime Detection Laboratory, April 10, 1990. Lecture repeated as new classes convene.
- 1990 Archaeological Approaches to the Investigation of Shallow Graves. Paper presented at the 30<sup>th</sup> Annual Alaska Peace Officers Association Crime Conference, May 15, 1990, Anchorage.
- 1987 Report of Archaeological and Historical Investigations at Nuka Island and the Adjacent Kenai Peninsula, Gulf of Alaska. Paper presented in the Prince William Sound Symposium at the 1987 Alaska Anthropological Association Conference, March 13 and 14, Anchorage.
- 1986 Ramifications of Macrobotanical Recovery and Analysis for Late Prehistoric Plant-Use on the Kenai Peninsula. Paper presented at the 13<sup>th</sup> Annual Meeting of the Alaska Anthropological Association, Fairbanks, Alaska.
- 1985 Mortuary Remains at SEW-216: A Preliminary Report of Investigations. Paper presented at the 12<sup>th</sup> Annual Meeting of the Alaska Anthropological Association, Anchorage, Alaska.

## **EXAMPLES OF PROJECTS AND SYNERGISTIC ACTIVITIES**

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Neva Shipwreck / Survival Camp Project

<https://www.adn.com/alaska-news/science/2017/03/04/archaeologists-say-theyve-found-the-campsite-used-by-survivors-of-legendary-doomed-ship-the-neva/>  
<http://www.sci-news.com/archaeology/science-fragate-neva-shipwreck-03225.html>

Castle Hill Archaeological Project / Alaska Office of History and Archaeology



<http://dnr.alaska.gov/parks/oha/castle/castle.htm>

Kad'yak Shipwreck Project

<http://dnr.alaska.gov/parks/oha/kadyak/kadyakindex.htm>

<http://sanctuaries.noaa.gov/maritime/expeditions/kadyak.html>

<http://www.archaeology.org/online/features/kadyak/index.html>

Southeast Alaska Threatened Shipwrecks

<http://dnr.alaska.gov/parks/oha/seshipwreck/seshipwrk.htm>

[http://sanctuaries.noaa.gov/maritime/expeditions/lynn\\_canal.html](http://sanctuaries.noaa.gov/maritime/expeditions/lynn_canal.html)

HASSLER Expedition

<http://sanctuaries.noaa.gov/maritime/expeditions/hassler/welcome.html>

<http://chilkatvalleynews.com/archive/2007-18-3.html>

Recent Developments in the Study of Russian America

<http://pribaiikal.ru/rus-america-article/article/12651.html>

Alaska-Siberia Research Center

<http://aksrc.homestead.com/BoardofDirectors.html>

Joint Siberian-Alaskan Research Group on Russian America

<http://home.gci.net/~sncnuka/JSARGRA/index.html>

SS PORTLAND / PBS "History Detectives"

<http://www.cdnn.info/industry/i040908/i040908.html>

[http://www.pbs.org/opb/historydetectives/investigations/209\\_goldship.html](http://www.pbs.org/opb/historydetectives/investigations/209_goldship.html)

<http://hnn.us/roundup/comments/7400.html>

TORRENT Expedition

[http://www.chugach-ak.com/shareholders/Pages/WreakageFoundinPWS2\\_13\\_09.aspx](http://www.chugach-ak.com/shareholders/Pages/WreakageFoundinPWS2_13_09.aspx)

<http://www.uscgalaska.com/go/doc/780/216782/>

International Search Expedition for the Levanovsky N209 (Russian Geographic Society)

<http://www.rgo.ru/en/article/international-search-expedition-legendary-n-209>

<http://int.rgo.ru/news/international-search-expedition-for-legendary-n-209/>