

OAKLAND UNIVERSITY

College of Arts and Sciences

1. BIOGRAPHICAL DATA

- a. Name: Jon W. Carroll
- b. Department: Sociology, Anthropology, Social Work & Criminal Justice
- c. Rank: Assistant Professor of Anthropology

2. EDUCATION

<u>Degree</u>	<u>Institution</u>	<u>Date</u>	<u>Subject</u>
Ph.D.	Michigan State University	2013	Anthropology
M.A.	Michigan State University	2008	Anthropology
M.Hum.	Wright State University	2002	Humanities
B.A.	Wright State University	1996	Anthropology

3. PROFESSIONAL EXPERIENCE

- a. Teaching Experience Not as a Graduate Student:

<u>Institution</u>	<u>Rank</u>	<u>Dates</u>	<u>Full or Part Time</u>
Oakland University	Assistant Professor	2014-Present	Full
Oakland University	Visiting Assistant Professor	2013-2014	Full

- b. Teaching Experience as a Graduate Student:

<u>Institution</u>	<u>Rank</u>	<u>Dates</u>
Michigan State University	Instructor of Record	2009, 2013
Eastern Michigan University	Visiting Lecturer	2009

- c. Other Relevant Professional Experience:

<u>Institution</u>	<u>Rank/Title</u>	<u>Dates</u>
Michigan State University	Adjunct Assistant Professor	2015-Present
Booz Allen Hamilton, Inc.	Consultant	1997-2014
Michigan State University	Graduate Research Assistant	2002-2013
Michigan Department of Transportation	Archaeologist	2005-2008
U.S. Army and Army Reserve	Sergeant, Indirect Fire Infantryman	1987-1995

d. Oakland Appointment Record:

- i. Rank and date of initial appointment: Visiting Assistant Professor, August 15 2013
- ii. Date(s) of reappointment: N/A
- iii. Rank and date(s) of promotion: Assistant Professor, August 15 2014
- iv. Date(s) of Spring/Summer teaching: May 5 – June 21 2014, May 11 – June 27 2015
- v. Date(s) and type(s) of leave: N/A

e. Oakland University/Departmental Instructional Record:

* This department does not conduct course evaluations for summer terms.

** Teaching performed as a Visiting Assistant Professor

<u>Semester and Year</u>	<u>Course</u>	<u>Enrollment</u>	<u>Evaluations Available?</u>
Fall 2018	AN3450	12	No
Fall 2018	AN3900	6	No
Fall 2017	AN1511	16	Yes
Fall 2017	AN3900	4	Yes
Fall 2017	SOC/AN/SW/CJ 3900/LBS5904	7	Yes
Summer I 2017	AN480	1	*No
Summer I 2017	AN383	5	*No
Winter 2017	SOC/AN/SW/CJ 395	7	Yes
Winter 2017	AN380	11	Yes
Winter 2017	AN470/LBS513	17	Yes
Winter 2017	AN480	1	No
Fall 2016	AN381	13	Yes
Fall 2016	AN/ENV322	8	Yes
Summer I 2016	AN383	4	*No
Winter 2016	AN102	70	Yes
Winter 2016	AN470/LBS513	22	Yes
Winter 2016	SOC/AN/SW/CJ 395	9	Yes
Fall 2015	AN395	11	Yes
Fall 2015	AN101	30	Yes
Summer I 2015	AN383	6	*No
Winter 2015	AN102	66	Yes
Winter 2015	SOC/AN/SW/CJ 395	9	Yes
Winter 2015	AN380	20	Yes
Winter 2015	AN470	3	Yes
Fall 2014	AN102	60	Yes
Fall 2014	AN381	20	Yes
Fall 2014	AN470	2	Yes

**Summer I 2014	AN383	6	*No
**Winter 2014	AN102	71	Yes
**Winter 2014	SOC/AN/SW/CJ 395	16	Yes
**Winter 2014	AN470/LBS513	28	Yes
**Fall 2013	AN102	78	Yes
**Fall 2013	AN/ENV322	22	Yes

4. RESEARCH, SCHOLARSHIP, PUBLICATIONS AND RELATED ACTIVITIES: indicate how each item was selected (referees, editor, invitation, etc.) for publication or presentation.

a. Doctoral dissertation:

“Simulating Springwells: A Complex Systems Approach toward Understanding Late Prehistoric Social Interaction in the Great Lakes Region of North America.”

b. Master’s thesis:

“A Discussion on the Nature of Hopewell Socio-Political Change in the Ohio Valley during the Middle-to-Late Woodland Period Transition.”

c. Books published or in press:

1. 2014. Messina, J., Adhikari, U., Carroll, J., Chikowo, R., DeVisser, M., Dodge, L., Fan, P., Langley, S., Lin, S., Me-nsope, N., Moore, N., Murray, S., Nawyn, S., Nejadhashemi, A. Olson, J., Smith, A., Snapp, S. *Population Growth, Climate Change and Pressure on the Land – Eastern and Southern Africa*. U.S. Agency for International Development/Global Center for Food Systems Innovation, East Lansing. Peer-reviewed. ISBN 9780990300502.

d. Book chapters published or in press:

1. 2016. Carroll, Jon W. “Assessing Nonlinear Behaviors in an Agent Based Model.” In Brouwer-Burg, M., H. Peeters and W. Lovis (Eds.) *Uncertainty and Sensitivity Analysis in Archaeological Computational Modeling*. New York: Springer. Invited by editors, reviewed by editors and external peer-review. ISBN 9783319278315.
2. 2013. Norder, John W. and Jon W. Carroll. “Applied Geospatial Perspectives on the Rock Art of the Lake of the Woods Region of Ontario, Canada.” *Geographic Information Systems: Concepts, Methodologies, Tools, and Applications, Volume III*, pp. 1328-1344. Harrisburg, Information Resources Management Association. Invited by editors, previously peer reviewed in the International Journal of Geospatial Research. ISBN 9781466620384.

e. Articles published or in press:

1. 2019 (In Press). Carroll, Jon W. “Reinterpreting Springwells Ceramics in the Great Lakes Region of North America.” *Midcontinental Journal of Archaeology*.

2. 2011. Norder, John W. and Jon W. Carroll. "Applied Geospatial Perspectives on the Rock Art of the Lake of the Woods Region of Ontario, Canada." *International Journal of Applied Geospatial Research, Special Issue on the Past Informing the Future: Applied Geospatial Solutions* 2(4): 77-92.

f. Encyclopedia entries published or in press:

1. 2018 (In Press). Carroll, Jon W. "Native American/First Nations Families." In *Macmillan Encyclopedia of Families, Marriages, and Intimate Relationships*. Invited and reviewed by editorial board.
2. 2016. Carroll, Jon W. "Ethnography." In T.K. Shackelford and V.A. Weekes-Shackelford (eds.) *Encyclopedia of Evolutionary Psychological Science*, New York: Springer. Invited and reviewed by editorial board. ISBN 9783319196497.

g. Oral presentations:

* Indicates that the research presented has been published.

1. 2018. Lin, S, V. Chimonyo, B. Peter, J. Carroll, S. Snapp, and J. Messina. Remote Sensing Accuracy and Resolution for Precision Agriculture in Small Farms, Malawi. Spatial Accuracy 2018: Spatial Accuracy Assessment in Natural Resources and Environmental Sciences, Beijing, China. May.
2. 2018. Carroll, J.W. Assyrians at the Gate: Rethinking the Siege at Tel Lachish. Paper presented at the 83rd Annual Meeting of the Society for American Archaeology, Washington DC. April.
3. 2017. Carroll, J.W. Drones and Social Science: The Sky's the Limit! Invited presenter for the "Science Under the Dome" lecture series, Wayne State University, Detroit, MI. October.
4. 2017. Carroll, J.W. Using Aerial Remote Sensing to Assess Error and Uncertainty in Archaeological Site Mapping. Paper presented at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver, BC. April.
5. 2017. Messina, J., B. Peter, S. Snapp, T. Jayne, and J. Carroll. From Top Down to Bottom Up: Tackling Agricultural Challenges in Small Holder Systems with Precision. Paper presented at Innovation for Data-Driven Agriculture Convening. Boulder, CO. March.
6. 2016. Perez, D.M. and J. W. Carroll. Mapping and Modeling at Tel Lachish. Paper presented at the American Schools of Oriental Research 2016 Annual Meeting. San Antonio, TX. November.

7. 2016. Carroll, J.W. Experimenting with Multilevel Agent Based Archaeological Modeling in NetLogo. Paper presented at the 81st Annual Meeting of the Society for American Archaeology, Orlando, FL. April.
8. 2016. Perez, D. and J. Carroll. Reconstructing the History of Archaeological Research at Tel Lachish. Paper presented at the 81st Annual Meeting of the Society for American Archaeology, Orlando, FL. April.
9. 2015. Gaff, D., S. Schroeder and J. Carroll. Where Were We? A Survey of Surveys and a Guide to Grids at Aztalan, Wisconsin. Paper presented at the 59th Annual Midwest Archaeology Conference, Milwaukee Wisconsin. November.
10. 2015. Carroll, J.W. "Computational Simulation Methods for Exploring Small Artifact Assemblages." Paper presented at the 80th Annual Meeting of the Society for American Archaeology, San Francisco, CA. April.
11. * 2014. Carroll, J.W. "Assessing Nonlinear Behaviors in an Agent Based Model." Invited discussant and paper presented at the 79th Annual Meeting of the Society for American Archaeology, Austin, TX. April.
12. 2013. Carroll, J.W. "Reinterpreting Springwells Ceramics in the Great Lakes Region of North America" Paper presented at the 59th Annual Midwest Archaeological Conference, Columbus, OH. October.
13. *2013. Carroll, J.W. "Simulating Springwells: A Complex Systems Approach toward Understanding Late Prehistoric Social Interaction in the Great Lakes Region of North America." Invited discussant at the Ontario Archaeological Society (Windsor Chapter) Quarterly Meeting, Windsor, Ontario. February.
14. 2012. Vojnovic, I., Z. Kotval, J. Lee, M. Ye, J. Carroll, A. Podagrosi, P. Varnakovid, and J. Messina. "Studying the Impacts of Urban Form on Travel Behavior and Pedestrian Activity in the Lansing Regional Context." Poster presented at the Annual Meeting of the Association of American Geographers, New York, NY. April.
15. 2011. Vojnovic, I., Z. Kotval, J. Lee, A. Podagrosi, P. Varnakovid, J. Carroll, J. Messina, B. Pigozzi, and J. Darden. "Exploring Urban Form, Travel Behavior, Physical Activity and Obesity: Assessing the Lansing Michigan Context." Poster presented at the Annual Meeting of the Association of American Geographers, Seattle, WA. April.
16. 2010. Vojnovic, I., A. Podagrosi, Z. Kotval, P. Varnakovid, J. Lee, J. Carroll, J. Messina, B. Pigozzi, J. Darden. "Physical Activity, Obesity and Urban-built Environments: A Lansing Michigan Context." Poster presented at the Annual Meeting of the Association of American Geographers, Washington, DC. April.

17. *2010. Carroll, J.W and J. Norder. "Rock Art in the Lake of the Woods Region of Ontario: An Applied Geospatial Perspective." Invited discussant at the Ontario Archaeological Society (Windsor Chapter) Quarterly Meeting, Windsor, Ontario. April.
18. 2009. Carroll, J.W. and J. Norder. "Navigation and Negotiation: Studying Symbolic Information Encoded on the Landscape" Paper presented at the Annual Meeting of the Association of American Geographers, Las Vegas, NV. March.
19. 2009. Carroll, J.W. "GIS and Archaeology: Past, Present, and Future Directions." Invited discussant at the First Annual Mark Jefferson Colloquium on Geography, Society and Environment, Eastern Michigan University, Ypsilanti, MI. March.
20. 2006. Carroll, J.W. and D. Quates. "The Postmodern Hangover: Its Consequences for Archaeology and the Discipline," Paper presented at the 71st Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico. April.
21. 2006. Carroll, J.W. and L. Goldstein. "Constructing the Aztalan GIS: an Archaeological Perspective," Paper presented at the Annual Meeting of the Association of American Geographers, Chicago, IL. March.
22. 2005. Carroll, J.W. "Late Woodland Social Dynamics in Michigan's Saginaw Valley." Paper presented at the 59th Annual Midwest Archaeological Conference, Dayton, OH. October.
23. 2005. Carroll, J.W. "Complexity Science and Native American Communities: Examining Agency and Interaction in Prehistory." Paper presented at the Committee on Institutional Cooperation-American Indian Studies Consortium 6th Annual Graduate Student Conference, University of Wisconsin- Madison. April.
24. 2004. Carroll, J.W. "Changing Economies: Middle and Late Woodland Period Mobility in the Ohio Valley." Paper presented at the Committee on Institutional Cooperation-American Indian Studies Consortium 5th Annual Graduate Student Conference, University of Michigan- Ann Arbor. April.
25. 2004. Gaff, D., L. Goldstein, J. Carroll and B. Sekedat. "Painting the Big Picture with a Fine Brush: Archaeological Insights from the Aztalan GIS Group," Paper presented at the 69th Annual Meeting of the Society for American Archaeology, Montreal, Quebec. April.
26. 2003. Carroll, J.W. "Ohio Hopewell as an Example of an Organizational Heterarchy." Paper presented at the 68th Annual Meeting of the Society for American Archaeology, Milwaukee, WI. April.
27. 2002. Carroll, J.W. "A Discussion on the Nature of Hopewell Socio-Political Change in the Middle-to-Late Woodland Period Transition." Invited discussant at the First Annual Graduate Colloquium, Wright State University, Dayton, OH. May.

h. Research in Progress:

-Manuscripts under review or near completion

1. Carroll, Jon W. "The Social Implications of Ceramic Style Distributions in Precontact Springwells Indigenous Communities." Under Review, *International Journal of Applied Geospatial Research*.
2. Carroll, Jon W. "A Multispectral Survey of the Historical Landscape of Chateau de Balleroy, Normandy, France." Preparing for submission to *Advances in Archaeological Practice*.
3. Carroll, J. W., D.M. Perez and M. J. Pytlik. Using Aerial Remote Sensing to Assess Error and Uncertainty in Archaeological Site Mapping. Preparing for submission to *Advances in Archaeological Practice*.
4. Carroll, J. W. "Computational Simulation Methods for Exploring Small Artifact Assemblages." Preparing for submission to *Journal of Archaeological Method and Theory*.
5. Carroll, J. W. "Tribal Social Network Integration as the Embodiment of a Complex System." Preparing for submission to *American Antiquity*.

-Research in fieldwork, data collection, or analysis phases

1. Carroll, J.W. and A. Knutson, Understanding the Colonial Landscapes of Barbados through Historical Cartographic Analysis. Data collection completed; analysis ongoing.
2. Carroll, J. W., M. J. Pytlik, Y. Garfinkel and M. Mumcuoglu. The Assyrian Siege Ramp at Lachish. Fieldwork and data collection completed; analysis ongoing.
3. Carroll, J.W. Assyrians at the Gate: Reevaluating the Siege at Tel Lachish Using Computational Methodologies. Data collection completed; analysis ongoing.
4. Messina, J., S. Snapp, S., T. Jayne and J. Carroll Precision Agriculture for Smallholder Systems in Africa. Data collection completed; analysis ongoing.
5. Cassano, G. and J. Carroll. Housing Waste: An existential graph of the former Lakeside Federal Housing Development, Pontiac, Michigan, Parcel # 14-32-326-001. Data collection and Analysis ongoing.
6. Carroll, J.W., D.M. Perez and B. Roth. Mimbres Valley, NM Aerial Archaeological Survey. Data collection completed; analysis ongoing.

i. Grants: source, date and amount of award:

* Indicates a competitive grant award

1. *2017-2019. Messina, J., S. Snapp, S., T. Jayne and J. Carroll Precision Agriculture for Smallholder Systems in Africa. USAID. \$507,990 (OU subcontract portion: \$56,844). Funded.
2. 2017. Oakland University College of Arts and Sciences Support for Archaeological Field School. \$2000. Funded.
3. 2016. Oakland University College of Arts and Sciences Support for Archaeological Field School. \$2000. Funded.
4. *2015. Oakland University College of Arts and Sciences Community Engagement Award. \$1500. Funded.
5. *2014. Oakland University College of Arts and Sciences Community Engagement Award. \$1000. Funded.
6. *2014. Oakland University College of Arts and Sciences Community Engagement Award. \$1000. Funded.
7. *2014. Oakland University College of Arts and Sciences Student Success Award. \$1500. Funded.
8. 2014. Oakland University College of Arts and Sciences One-Time Funding Request- Archaeological Equipment. \$50,000. Funded.

5. PUBLIC AND UNIVERSITY SERVICE

* Indicates service performed beginning as a Visiting Assistant Professor

<u>Name of Activity</u>	<u>Dates</u>	<u>Role in Activity</u>
a. <u>Public & Professional Service:</u>		
Michigan Archaeological Society (MAS) 2016 Statewide Meeting	2016	Invited Presenter
Conference On Michigan Archaeology (COMA)	2016	Invited Presenter

<u>Name of Activity</u>	<u>Dates</u>	<u>Role in Activity</u>
Central Michigan University Master of Arts in Cultural Resource Management- Patrick Monte-Wiley Lawton.	2016	Thesis Reader- <i>The Sediments of Settlement: Integrating Archaeology, Ethnography, and Geographic Information Sciences to Model Seasonal Settlement Potential in the Saginaw Valley of Michigan</i>
Journal of Archaeological Method and Theory	2015	Peer Reviewer
Michigan Archaeological Society (MAS) Statewide Meeting	2015	Invited Presenter
MAS 2015 Meeting (River Raisin Chapter)	2015	Invited Presenter
Conference On Michigan Archaeology (COMA)	2014-Present	Member/Fellow/Web Administrator
Cultural Resources Management Survey-Stony Creek Metropark	2014-Present	Principal Investigator
Michigan State University Native American Institute	2014-Present	Affiliate
Oxford University Press Book Proposal: Conversations on Human Nature	2014	Peer Reviewer
*International Journal of Applied Geospatial Research	2013	Peer Reviewer
b. <u>University Service:</u>		
Inaugural Soundings OU Faculty Research Forum	2015	Invited Presenter
*Honors Thesis Project-Louise Haven	2014-2016	Mentor

<u>Name of Activity</u>	<u>Dates</u>	<u>Role in Activity</u>
Master of Arts in Liberal Studies (MALS) Thesis Committee-Rebecca Dykzeul	2017-Present	Chair
Master of Arts in Liberal Studies (MALS) Thesis Committee-Ashley Cerku	2015-2017	Chair
Master of Arts in Liberal Studies (MALS) Executive Committee	2014-Present	Member
Master of Arts in Liberal Studies (MALS) Thesis Committee-Robbie Rietzie	2014	Reader
c. <u>Department Service:</u>		
2017 Chair Selection Procedure Review Committee	2017	Member
Anthropology Adjunct Search Committee	2016	Member
Awards Committee	2016-Present	Member
Tenure Criteria Review Committee	2015-Present	Junior Member
OU Go For The Gold Representative	2014-Present	Program Representative (SOC/AN)
Social Work Search Committee	2014 & 2016	Member
Anthropology Club	2013-Present	Co-Mentor

6. ANY OTHER ACTIVITIES RELEVANT TO YOUR APPLICATION FOR TENURE OR PROMOTION

a. Awards and Honors:

1. 2018. 23rd Annual Faculty Award Winner-Service
2. 2017. FAA Remote Pilot Certificate (Drone)
3. 2017. SASWCJ Department Teaching Excellence Award
4. 2017. Recipient, CAS Order of the Plume
5. 2016. Recipient, CAS Order of the Plume

6. 2016. Nominee, Senate Committee for Teaching and Learning Teaching Excellence Award
7. 2015, Recipient, Honors College Inspiration Award
8. 2015. Recipient, CAS Order of the Plume

b. Technical Reports:

1. 2013. Messina, J., Adhikari, U., Carroll, J., Chikowo, R., DeVisser, M., Dodge, L., Fan, P., Langley, S., Lin, S., Me-nsope, N., Moore, N., Murray, S., Nawyn, S., Nejadhashemi, A., Olson, J., Smith, A., Snapp, S. 2013. *Population Growth, Climate Change and Pressure on the Land*. Global Center for Food Systems Innovation – Whitepaper Series. 95 pp.
2. 2008. Carroll, Jon W. “Glenn Rest Area Survey, Allegan County, Michigan, JN75215.” Report on file, Michigan Department of Transportation, Lansing, MI. 10 pp.
3. 2008. Carroll, Jon W. “Iron Industry Museum Access Road Survey, Marquette County, Michigan, JN52997.” Report on file, Michigan Department of Transportation, Lansing, MI. 16 pp.
4. 2008. Carroll, Jon W. “M-32 Bridge Replacement Project, Montmorency County, Michigan, JN86505.” Report on file, Michigan Department of Transportation, Lansing, MI. 27 pp.
5. 2008. Carroll, Jon W. “US-23/Forty Mile Point Archaeological Survey, Presque Isle County, Michigan, JN88870.” Report on file, Michigan Department of Transportation, Lansing, MI. 20 pp.
6. 2008. Carroll, Jon W. “M-52 Curve Realignment Archaeological Survey, Washtenaw County, Michigan, JN79671.” Report on file, Michigan Department of Transportation, Lansing, MI. 12 pp.
7. 2008. Carroll, Jon W. “M-119 Bridge Replacement Project, Emmet County, Michigan, JN57152.” Report on file, Michigan Department of Transportation, Lansing, MI. 9 pp.
8. 2007. Carroll, Jon W. and Christine N. Stephenson. “Lapeer County Wetland Mitigation Survey, JN88602.” Report on file, Michigan Department of Transportation, Lansing, MI. 10 pp.
9. 2007. Carroll, Jon W. and Christine N. Stephenson. “M-21 Ada Bridge Improvement Survey, JN79083.” Report on file, Michigan Department of Transportation, Lansing, MI. 9 pp.

10. 2007. Carroll, Jon W. "Phase I Archaeological Investigation for the M-78 Bridge Replacement Project at Bellevue, Michigan, JN78400." Report on file, Michigan Department of Transportation, Lansing, MI. 56 pp.
11. 2007. Carroll, Jon W. and Christine N. Stephenson. "Phase I Survey of SB I-75 Alger Rest Area, Arenac Co., Michigan, JN81269." Report on file, Michigan Department of Transportation, Lansing, MI. 12 pp.
12. 2007. Carroll, Jon W. and Christine N. Stephenson. "Southern Links Trailway Non-motorized Paths: Tuscola, Genesee, Lapeer Counties, Michigan, JN86858." Report on file, Michigan Department of Transportation, Lansing, MI. 46 pp.
13. 2006. Carroll, Jon W. and Christine N. Stephenson. "I-69 Tekonsha Truck Rest Area, Calhoun Co., Michigan, JN86894." Report on file, Michigan Department of Transportation, Lansing, MI. 24 pp.
14. 2006. Carroll, Jon W. and Christine N. Stephenson. "I-75/Dixie Highway Interchange Car Pool Lot, Genesee Co., MI., JN87792." Report on file, Michigan Department of Transportation, Lansing, MI. 24 pp.
15. 2006. Carroll, Jon W. and Christine N. Stephenson. "M-22 45th Parallel Roadside Park Property Acquisition, Leelanau Co., Michigan, JN87793." Report on file, Michigan Department of Transportation, Lansing, MI. 14 pp.
16. 2006. Carroll, Jon W. and Christine N. Stephenson. "M-22 Over Cedar Lake Outlet, Elmwood Twp, Leelanau County, Michigan, JN60285A." Report on file, Michigan Department of Transportation, Lansing, MI. 11 pp.
17. 2006. Carroll, Jon W. and Christine N. Stephenson. "M-45 Excess Property Survey - Parcel 247AP (Part A, Tract 960), Ottawa County, MI., JN47840B." Report on file, Michigan Department of Transportation, Lansing, MI. 12 pp.
18. 2006. Carroll, Jon W. and Christine N. Stephenson. "M-45 Excess Property Survey - Parcel 254 AP (Part A, Tract 1023), Ottawa County, MI., JN06767B." Report on file, Michigan Department of Transportation, Lansing, MI. 11 pp.
19. 2006. Carroll, Jon W. and Christine N. Stephenson. "M-45 Excess Property Survey - Parcel 255AP (Part A, Tract 1024), Ottawa County, MI., JN06767B." Report on file, Michigan Department of Transportation, Lansing, MI. 10 pp.
20. 2006. Carroll, Jon W. and Christine N. Stephenson. "US-23 Alabaster Township Multi-Use Path Construction, Iosco Co., Michigan, JN81252." Report on file, Michigan Department of Transportation, Lansing, MI. 17 pp.
21. 2000. Palmer, B., M. Rench, J. Carroll and S. Constable. "Health and Job-Specific Body Composition Standards for the U.S. Air Force, Volume I." Report on file,

- Crew Systems Ergonomics Information Analysis Center, Wright Patterson AFB, OH (DTIC No. ADA527949). 45 pp.
22. 1998. Palmer, B., J.W. Carroll and A.T. Mirza. "A Review of Firefighter Physical Fitness/Wellness Programs: Options for the Military." Report on file, Human Systems Ergonomics Information Analysis Center, Wright Patterson AFB, OH (DTIC No. ADA421421). 55 pp.
23. 1998. Carroll, J. W., S. Constable, S., and B. Palmer. "Firefighter Physical Fitness/Wellness Workshop (Report No. CPR-98-001 XC-311TH)." Report on file, Crew Systems Ergonomics Information Analysis Center, Wright Patterson AFB, OH (DTIC No. ADA388330). 23 pp.
24. Professional Memberships:
American Anthropological Association
Association of American Geographers
Midwest Archaeological Conference
Phi Kappa Phi National Honor Society
Register of Professional Archaeologists
Society for American Archaeology