

TEXAS ARCHEOLOGY

THE NEWSLETTER OF THE TEXAS ARCHEOLOGICAL SOCIETY

Meet the New TAS President

President's Message from Elizabeth Coon-Nguyen



My name is Elizabeth Coon-Nguyen, and as of last November, I began my year of service as President of the Texas Archeological Society. I was born in Houston, in the Memorial City Hospital, and graduated from Bellaire High School in 1993. I completed my undergraduate studies at Yale University, where I double majored in Biology and Archaeology. I then went on to medical school at Texas Tech University, in Lubbock and El Paso, and afterwards returned to Houston for Residency in Family Medicine at St. Joseph's Hospital. I am board certified in Family Medicine as well as Hospice and Palliative Care, and I have practiced out of the Kingwood area on the north side of Houston since 2006. While I am very thankful for my career and my patients, I also have found my involvement in "avocational archeology" to be very gratifying. And I am very much looking forward to this next year as we advance the TAS yet one more rung along into the future of archeology in Texas.

How will that future look? As the field of archeology nationally and globally comes to terms with its past and struggles to pave a path forward that is inclusive and accessible to everyone, our state and our organization is not exempt. In order to fulfill our mission as a Society

and for our membership to grow, the TAS has to be relevant and attractive to all citizens of Texas interested in archeology, and it must reflect the diversity of voices and views that make up our state.

To build a future for TAS, we must first reckon with our past – literally: over the last year our Archives Committee has gotten a firm start in triaging and assessing our aging hardcopy files at the storage unit (newsletters, Board minutes and reports, administrative records of the organization, etc.) and will continue this year to archive those materials as well as address the accumulating digital-only records being created. Our Reports and Curation committee continues to work towards clearing the backlog of outstanding Field School reports and collections needs, while our Internet committee and administrator, Lea Sanchez, replace our ancient system of recording vital statistics on 3x5 index cards with an integrated electronic membership database linked to our new website.

The Business Advisory Committee is now a standing committee dedicated to updating TAS financial record-keeping, policies and procedures, and will complete the transition over to website integration and QuickBooks. And our Oral History Committee also continues its work to record the voices of pioneering TAS members so that our future members will know the stories that defined earlier eras of Texas archeology...

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TEXAS ARCHEOLOGICAL SOCIETY® ETHICS

- Members of TAS must abide by all terms and conditions of the TAS by-laws and all Federal and State antiquities laws or regulations.
- TAS does not condone the practice of buying or selling artifacts for commercial purposes.
- TAS does not condone the disregard of proper archeological field techniques or the willful destruction or distortion of archeological data.

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NEWSLETTER DEADLINES

Friday, March 1, 2022 – Spring Edition
Friday, May 13, 2022 – Summer Edition
Friday, August 19, 2022 –Fall Edition
Friday, December 10, 2022—Winter Edition

TAS BOARD MEETINGS

Saturday, January 22, 2022 by Zoom
Saturday, April 9, 2022 by Zoom
*Sunday, June 12, 2022, Field School with
Zoom option*
Saturday, September 10, 2022 by Zoom
Friday, October 21, 2022 Tyler with Zoom option

June 11-18, 2022 - Field School, Kerrville
October 21-23, 2022 - Annual Meeting, Tyler

A digital version of this newsletter can be found on the TAS website: <http://www.txarch.org>



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President's Message

TAS is making progress – good progress – but what are the next steps? Thanks to the Herculean efforts of the TAS Board over the last several years, with fantastic leadership from prior presidents, Internet Committee chairs and fiscally-minded members, the TAS now enjoys a level of financial security that benefits an organization of this size and stature, and ever increasing technological support for membership management and administrative tasks. The next phase of this move toward the future is to empower our Board and Committee Chairs to deploy that technology in creative new ways to reach underrepresented demographics and encourage participation in the science of archeology amongst a more diverse population. Our new Publications editor has plans for a 2022 Bulletin as diverse in its content as in its authors, which we can all anticipate reading next Fall! Our Public Outreach Committee can now plan activities directly with a member of the Internet committee specifically in place to help manage new social media platforms for the TAS, such as YouTube and Instagram, in order to bring our content to new groups. Our Merchandising

Committee co-chairs are now able to set up new lines of TAS swag available for purchase online via drop-shipping to reduce inventory waste. And our newest ad hoc committee is perhaps the group I am most excited about. This committee was born out of the Annual Meeting Panel Discussion on Women in Texas Archeology, and this panel discussion opened up so many more issues, which really boil down to ensuring that the future of archeology in Texas is as multifaceted and complex as the state itself. The Committee for the Future of Texas Archeology will spend a year exploring how to meet the needs of future generations of Texas archeologists, identify specific issues, and develop some concrete ways in which TAS can promote a safe, accessible, and diverse space for all those interested in Texas archeology.

On a final note, allow me to express my gratitude to each and every Member of TAS: we are all privileged to participate in some of the most interesting archeological research in the state because of you! And special thanks to everyone who has been so generous with their time, expertise and/or funds. This Board appreciates what you have given and is dedicated to utilizing these gifts efficiently and effectively to further the mission of the Texas Archeological Society another year, and for years to come!

Elizabeth Coon-Nguyen at
Field School in Camp Wood
with the Youth Group

Photo Courtesy of Doug Boyd



It's a Wrap! TAS Annual Meeting 2021 A Success – Virtually!

By Linda Gorski and Elizabeth Coon-Nguyen

By Linda Gorski

Planning the TAS Annual Meeting for 2021 was an enormous challenge. Cancelling the meeting in 2020 was a no-brainer. Covid was in full bloom and meeting in person was out of the question. 2021 was a different story. While Covid appeared to be on the wane, there was still enough uncertainty that contracting for hotels, meals, and meeting space was a risky business. The commitment to a room block, not knowing how many folks would actually show up for the meeting, plus the guarantee for banqueting and catering for nearly \$20,000, was not something that TAS could responsibly undertake.

In May of 2021 the TAS Board's Annual Meeting committee and the Local Arrangements Committee in Houston made the difficult to decision to hold the annual meeting virtually. After eliminating the possibility of engaging a professional virtual meeting coordinator (which, again, would have cost between \$16,000 and \$40,000), Liz Coon Nguyen, the current TAS President assembled a fabulous team of virtual volunteers from TAS, the North Texas Archeological Society and the Houston Archeological Society to ensure that the meeting could be successfully held via Zoom and YouTube Livestream.

I thought you might be interested in some numbers regarding the Annual Meeting that were generated by THCs **Jamie Ross**, another invaluable team member responsible for putting on the 92nd Annual Meeting.

	Data	
Registration type	Count	Total Fee \$
Member tickets	109	5450
Non-Member	27	1485
Student Member	06	150
Student Non-Member	05	150
Grand Total	147	7235

Registration fee totals = \$7235.00

Silent Auction = \$3906.32 (this silent auction and book sale were run by the Houston Archeological Society and the Hill Country Archeological Association at the 2021 TAS Field School in Kerrville to benefit the annual meeting since we knew we would not be able to hold them at the virtual meeting.)

My calculations show an income of \$11,141.32. Thus, the Annual meeting was actually a financial success since there were no expenditures – what you see in these statistics is pure profit! (From previous annual meeting reports provided the total net income for the 2019 Annual Meeting in Amarillo was \$11,136.51. The total for the 2017 meeting which was held in Grapevine, Texas, was \$11,260.00. So holding the meeting virtually did not make a big difference to the bottom line.)

It is also important to note how events and meetings encourage members to participate and, more importantly, to renew their memberships. To give you an idea of the possible impact this meeting may have had on our membership numbers: **number of registrants who renewed their memberships to register for this meeting 42!** 28 individual, 8 Family (Household), 1 Contributing (Household), and 5 Student = **\$3005!**

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Technical aspects of the virtual Annual Meeting

By Elizabeth Coon-Nguyen

After observing the sales pitches of approximately 5 different companies promising virtual platforms for hosting virtual meetings, the LAC, in consultation with the TAS webmaster and internet committee Chair, Jamie Ross, realized that the TAS, with the technical support of Regional Societies and Members and with the expanded capabilities of the recently adopted Wild Apricot web platform, could put together a virtual meeting without additional cost to the society.

The Annual Meeting Content was made available to Annual Meeting Registrants upon log in to the “Members” portion of the website. The Annual Meeting Content was available to Registrants via a link to the corresponding YouTube Live Event for each Session. Sessions were conducted within Zoom meeting rooms, attended by the session participants and respective moderators and timekeepers from the respective organizations. By streaming each session from the Zoom meeting to a YouTube Livestream event, the meetings were immediately recorded and available for replay at the same link. Three teams were organized utilizing Zoom licenses and YouTube accounts from the TAS, NTAS and HAS. Poster presentations were conducted in a more intimate and interactive format, in which the poster presenter would share screen with the poster visible in the Zoom room, and attendees were able to pass in and out of the Zoom meeting room ad lib in order to ask questions and interact with the poster presenter. These sessions, being informal, were not recorded. Social rooms were also made available for conference attendees to be able to chat with other attendees. The Plenary Speakers were hosted virtually via Zoom Webinar sponsored by the Houston Museum of Natural Science, and these lectures were made available to both Annual Meeting Registrants and to Members of the HMNS. These lectures were also recorded for later viewing by registrants.

Special thanks must go out to the dozens of individuals who donated their time and effort as “virtual volunteers” to make these sessions run smoothly!

In total, the first Virtual and 92rd Annual Meeting of the TAS hosted 13 paper presentations, 1 panel session, 7 poster sessions, a world premiere “sizzler reel” and discussion of the forthcoming documentary on the Gault site, two plenary speakers with additional Houston Museum of Natural Science audiences, a TASN stewards meeting, and multiple Executive Committee, Board and Business meetings in an efficient and effective manner. That being said, we are all looking forward to being in the same room together in the fellowship of archeology in 2022!

We hope you’ll plan to join us for the 93rd Annual TAS meeting, which will be held at the University of Texas at Tyler, October 21st – 23rd. Watch for details to follow.

Recruiting for Fund-Raising Committee

By Pam Wheat Stranahan

Join the TAS Fund-Raising Comm. to assist in soliciting funds. We identify TAS projects in need of funds and coach project development. We seek foundation matches, submit proposals and track spending as back-up for the office. Neophyte committee members help by proof-reading and finding foundations to approach (internet search). Next you can be the author of new proposals! Two projects under contract now – Oral History and analysis of Harrison Greenbelt materials (1996 FS). Contact pamwheatstranahan@gmail.com to volunteer or ask more questions.

Texas Beyond History's First 20 Years: Looking Back, Moving Forward

By Emily McCuistion and Steve Black

TexasBeyondHistory.net (TBH), the award-winning public education service of the Texas Archeological Research Laboratory at the University of Texas at Austin, notched two decades this October! The Virtual Museum of Texas' Cultural Heritage first went live on October 1, 2001 with 20 hard-won online exhibits and content for K-12 schoolchildren and teachers. TBH now has 80+ exhibits, much more K-12 content and lots of other features highlighting Texas' diverse archaeological and historical record. The Texas Archeological Society was a founding partner in TBH and provided essential support in the early days.

Twenty years later, we at TBH are excited to be entering a new phase of growth and we need renewed help and support from our TAS partners and colleagues! Over the next year and beyond we intend to add substantive new content by building on our traditional content models (e.g., "site exhibits," "special exhibits" and "regional exhibit sets"), as well as creating new ways to feature content contributed by our colleagues. We will also be updating antiquated pages, renewing and expanding our partnerships, and plotting the next decade.

Among the outdated web pages slated for a refresh in 2022 is "About TBH." Here is a preview: Susan Dial is now Editor Emeritus and will serve as reviewer and occasional contributor. Steve Black has returned for a final run as TBH Editor following his retirement from teaching at Texas State at the end of 2019. Steve's prime goal is to turn over the TBH reins to younger minds. Happily, Emily McCuistion (MA 2019, TX State) is now the TBH Assistant Editor (only paid staff member, ½ time) and she does most of the new content work. Assistant Professor Heather Smith of Texas State University is renewing her TBH involvement as Associate Editor. We are seeking a worthy successor to TBH's Education Editor Emeritus, Carol Schlenk.

One of Emily's first projects was the TBH Gallery which made its debut in Fall 2020. The Gallery highlights the stories behind iconic artifacts and other physical materials illustrative of Texas' cultural heritage. This dynamic exhibit will continue to grow. If you or your team has uncovered an artifact or feature that has a fascinating story to tell, the TBH Gallery might be the perfect place to reach a worldwide audience. Another TBH feature debuted in 2020 is our first social media account; follow @texasbeyondhistory on Instagram to get updates on new content and happenings at TBH!

We are excited to announce the newest addition to Texas Beyond History. Find it here: texasbeyondhistory.net/rusk. This exhibit, sponsored by Cox|McLain, tells the fascinating story of two neighboring northeast Texas plantations, the planter families, and the enslaved African Americans who lived and worked among the pineywoods south of the Sabine River.

Over our 20th Anniversary Year (October 2021-October 2022) we will be on the lookout for new ideas and content! Most long-time TAS members realize that TBH is an unfunded public education

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outreach program for TARL and UT-Austin; there has never been any direct funding apart from office space, administrative support, and technical assistance. While keeping a static website up is cheap, TBH strives to be a dynamic virtual museum and online publication. Happily, several CRM firms are sponsoring new content that will appear during our 20th Anniversary Year. We are seeking new content sponsors, collaborators, and renewed partnerships.

Texas Beyond History is proud to host accessible content presented for the public, yet information-rich for professionals and serious students of Texas' cultural heritage. We would not have achieved our 20-year record of success without the collaboration of innumerable people and partner organizations, to whom we extend our sincere thanks. We look forward to continuing this journey with you into the TBH future!



TARL, THC and TAS Celebrate Texas Archeology Month with Our Cutest Future Archeologists

Congratulations and welcome to Aniceto Cavazos, contest winner and new TAS Student Member



*Photos and text courtesy
of
Annie Riegert Cummings*

Texas Archeological Research Laboratory in conjunction with the Texas Historical Commission was thrilled to work with the Texas Archeological Society to provide a student membership to our drawing winner, Aniceto Cavazos, during our Texas Archeology Month Celebrations. TARL successfully pivoted the 2021 TAM celebrations to a virtual and in classroom event for the 2021 Texas Archeology Month.

This was only possible due to the contributions by UT's Anthropology department, UT's Classics department, UT's Mesoamerica Center, Texas Historical Commission, and the Texas Archeological Society and the Council of Texas Archeologists. Together, we created and distributed 1,928 archeology activity kits that were distributed to 23 schools, the children's museum Thinkery, and one local Austin business, Toybrary. Digital versions were provided online through TARL's 2021 Texas Archeology Month portal. We asked our community members to submit their final activity products and enter into a drawing for TARL's archeology basket which included a Dr. Dirt T-shirt, a TARL patch, four tickets to any Texas state historical site, and a student membership to the Texas Archeological Society! We are delighted to announce the winners were LCRA and Aniceto Cavazos. Aniceto will be the newest member to our archeology community thanks to the generosity of the Texas Archeological Society. Please check out some of the engagement we received during this year's TAM celebrations!

CADDO ARCHEOLOGY RESEARCH FUND

at the University of Central Arkansas

By Timothy K. Perttula and Duncan P. McKinnon

The Caddo Archaeology Research Fund (CARF) has been recently established with the support of the Jamie C. Brandon Center for Archaeological Research (JCB Center) at the University of Central Arkansas in Conway, Arkansas. The JCB Center is the hosting institution, and the Center Director is the chair of the CARF.

We envision the CARF as a means to finance acceptable projects from students, research archeologists, Caddo Nation people, and others through affordable grants (perhaps between \$1,000 to \$2,500 per funded grant). CARF Funds will be administered by the Director of the JCB Center, but only on the advice of the CARF Board. The Board of Advisors will select the awards and amounts to be granted. Grant funds will be reimbursable at either the draft or final report stage of each project, as negotiated between the Board and the grant awardee. It is our hope that such individual grants will contribute to the collective knowledge of Caddo archeology and Native history in the Caddo area.

The Advisory Board for CARF is listed below. The main duties of the Board will be to solicit and review received grant proposals, and determine together which proposals can be supported at this time, as well as providing comments to improve other proposals. They will also help get the word out to colleagues, societies, and students about the CARF, and help craft short statements about the CARF for relevant websites, including the UCA website.

For further information about CARF, please contact Timothy K. Perttula or Duncan P. McKinnon of the Advisory Board.

Advisory Board

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Wood County Historical Commission Event: Thomas Guderjen and Mark Walters present “History of Caddo Indians in Wood County”

By David Gilbreath, Vice Chairman, Wood County Historical Commission

The Wood County Texas Historical Commission hosted a free program on the “History of Caddo Indians in Wood County” by Dr. Thomas Guderjen and Mr. Mark Walters on Saturday, October 23, 2021 at the Quitman Public Library, which is located at 202 East Goode Street in Quitman. The program was well attended with over thirty (30) people.

Dr. Guderjen spoke about the Caddo Indians by detailing when they came to East Texas, how they lived here, what foods they might have eaten, the structures they lived in and their family units. He also spoke about the Caddo interactions with Europeans and how that affected their lives.

Mr. Walters discussed the steps that individuals can take to detail historical items on their private real estate and how to go about preserving these items.

After Dr. Guderjen and Mr. Walters finished speaking, there was an Archeological Activity for children. Refreshments were available and door prizes were given away.

Dr. Thomas Guderjen is the Chairman of Department of Social Sciences (which houses anthropology, criminal justice, economics, geography, public administration and sociology) at the University of Texas at Tyler and an Associate Professor of Anthropology. He is an archaeologist with research themes that include agricultural production, trade and urban organization of the ancient Maya. He directs an annual field project in Central America that trains more than 100 students annually and has for twenty-five years. He also directs the new Center for Social Science Research at the University of Texas at Tyler that is dedicated to supporting the University’s mission through faculty based and client based research. He serves as the President of the Board of Directors of the Camp Tyler Foundation, which operates a camp for children and an outdoor school in Smith County, Texas.

Mr. Mark Walters is a well-known private archaeologist who has conducted research of Indian living sites and relics associated with these sites here in East Texas. He has been published in several scholastic publications.

Photo is part of the artwork/flyer used by WCHC to promote the event with Guderjen and Walters. Thanks to Joyce Williams for reporting this event and providing the flyer.

WOOD COUNTY HISTORICAL COMMISSION



Caddo Indian Pottery found in Wood County

A Systematic Study of Peer Reviewed Literature in Texas Archaeology

Robert Z. Selden, Jr. Heritage Research Center, Stephen F. Austin State University; Department of Biology, Stephen F. Austin State University; and Cultural Heritage Department, Jean Monnet University (zselden@sfasu.edu, corresponding author)

*Peer reviewed literature associated with the archaeology of Texas has grown considerably in recent years, and this systematic study represents the first attempt at characterizing the complex and highly variable contributions of archaeologists that **have worked, or are working**, on Texas projects. Using the query Texas AND (archaeology OR archeology), 207 documents were retrieved from Scopus, the largest abstract and citation database of peer-reviewed literature. Of those, 59.9% were articles, 15.5% were book chapters, 11.6% were books, with the remaining literature classified as conference papers (4.3%), reviews (4.3%), editorials (1.9%), notes (1%), erratum (0.5%), letters (0.5%), and short surveys (0.5%). Those data were used to identify the most dominant/productive authors, the most relevant sources, the production rate of top authors through time, emerging and declining research themes, and funding sponsors for Texas archaeology. Results deliver useful information to researchers and practitioners, illustrating the most active universities, funding sponsors, and potential graduate school advisors, to conceptualizing new basic and applied research projects associated with archaeological topics in Texas.*

Synthesizing diverse literature is both a critical skill and fundamental component of most archaeological undertakings. Advances in data science paired with the recent fluorescence of digital archives and open source databases have driven recent generations of archaeological graduates, myself included, to pursue replicable and reproducible computational studies couched in anthropological theory. This exploratory effort represents the first step toward characterizing the peer reviewed contributions made by archaeologists that *are working*, or have *previously worked*, on archaeological projects relating to Texas.

For the purpose of this study, if a publication was included in Scopus—the largest abstract and citation database of peer-reviewed literature—it was accepted as a peer reviewed resource. However, it is worth mention that the peer review process is not at all uniform across archaeological journals.

In the sciences, journals are trending toward making both the peer reviews and the authors' responses available alongside the published article (see *PeerJ* and *F1000 Research* for examples). This practice has resulted in a marked increase in the quality of peer reviews received by the journals, and represents the first instance of reviewers receiving formal (citable) credit for the considerable time and effort that they spend crafting their critiques. Those reviews are also being employed in the classroom as a critical thinking and training tool, and are a great source of discussion in review sessions aimed at training the next generation of peer reviewers.

Within archaeology, *Peer Community In Archaeology (PCI Archaeology)* has developed an innovative model of providing open peer reviews on preprints similar to that of *F1000 Research*. *PCI Archaeology* requires that all data and code associated with each project to be digitally curated prior to submission of the preprint, allowing reviewers the oppor-

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tunity to inspect the data and code as part of the review process, increasing the reproducibility of the reviewed projects. The fully reviewed preprint—inclusive of the manuscript, reviews, data, and code—can then be submitted to a journal, be accepted outright using the reviews from *PCI Archaeology*, or distributed for further review, where a new team of reviewers proceed with the additional insight(s) of the preprint reviewers.

In addition to peer review, large reproducibility projects in psychology and cancer biology have impacted research practices across all domains ([Gandrud 2014](#); [Gray and Marwick 2019](#); [Peng 2011](#)), and many top-tier journals now require that links to open access data and analysis code are made available in advance of peer review. Examples of reproducible research are becoming increasingly abundant in archaeology ([Ivanovaitė, et al. 2019](#); [Marwick 2016](#); [Selden Jr, et al. 2021](#); [Selden Jr., et al. 2020](#)), and the next generation of archaeologists are learning how to apply those tools and methods needed to assess whether published research results can be replicated ([Marwick, et al. 2019](#)). The ultimate goal of all stakeholders engaged in peer review and reproducible research—and the reason that authors are willing to subject their work to the theoretical, methodological, and logistical rigors associated with such an exercise—is to participate in, and fully engage with, the production of reliable knowledge.

Methods and Results

Data for this project were harvested from Scopus as a bibtex file using the query *Texas AND (archaeology OR archeology)*, which returned 207 documents. The bibtex file was subsequently imported to R v4.1.1 for analysis using the *bibliometrix* library ([Aria and Cuccurullo 2017](#); [R Core Development Team 2021](#)). Following import, each publication was reviewed for relevance, and 21 were omitted.

The final dataset spans the years from 1931-2021, is comprised of 186 publications from 105 sources, and cites 12,670 references. The descriptive analysis demonstrates that the average years from publication is 13.9, average citations per document is 11.58, and average citations per year per document is 0.9327. Authors affiliated with Texas A&M University have published more peer reviewed publications than any other institution, outpacing other institutions by two orders of magnitude in all but two cases, and—among the universities—has funded the largest number of peer reviewed works (Figure 1a,c). There is only one female author among the most productive authors of peer reviewed literature in Texas archaeology (Figure 1b), and the sources (Figure 1d) should come as no surprise to readers of this newsletter.

The top 10 most dominant authors of peer reviewed works on the topic of Texas archaeology are included in Table 1 ([Kumar and Kumar 2008](#)). Of the 10 most dominant authors of peer reviewed works producing leading research in Texas archaeology, two are women, and one is the most dominant author within the research domain (Tamra L. Walter).

The 10 most productive authors of peer reviewed works in Texas archaeology are included in Figure 2. The number of peer reviewed contributions on the topic of Texas archaeology has not exceeded two works per year, and most of the authors remain active in the field today.

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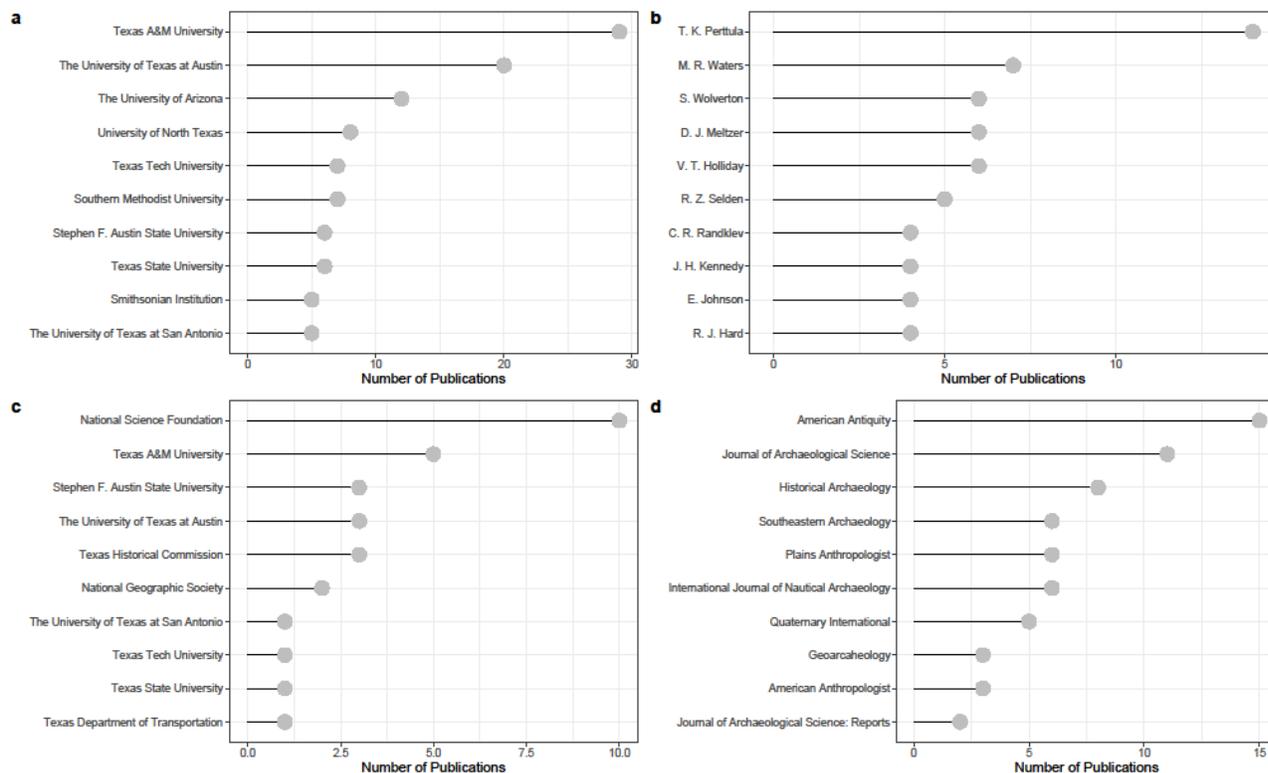


Figure 1. Listings of the top 10 a, affiliations; b, authors; c, funding sources; and d, publication sources for Texas archaeology.

Author	Dominance Factor	Total Articles	Single-Authored	Multi-Authored	First-Authored	Rank by Articles	Rank by DF
Walter, T. L.	1.0000000	3	2	1	1	10	1
Selden, R. Z.	0.7500000	5	1	4	3	6	2
Randklev, C. R.	0.5000000	4	0	4	2	7	3
Waters, M. R.	0.4285714	7	0	7	3	2	4
Meltzer, D. J.	0.4000000	6	1	5	2	3	5
Perttula, T. K.	0.3333333	14	8	6	2	1	6
Holliday, V. T.	0.3333333	6	0	6	2	3	6
Wolverton, S.	0.3333333	6	0	6	2	3	6
Hard, R. J.	0.2500000	4	0	4	2	7	9
Johnson, E.	0.2500000	4	0	4	1	7	9

Table 1. Author dominance ranking results.

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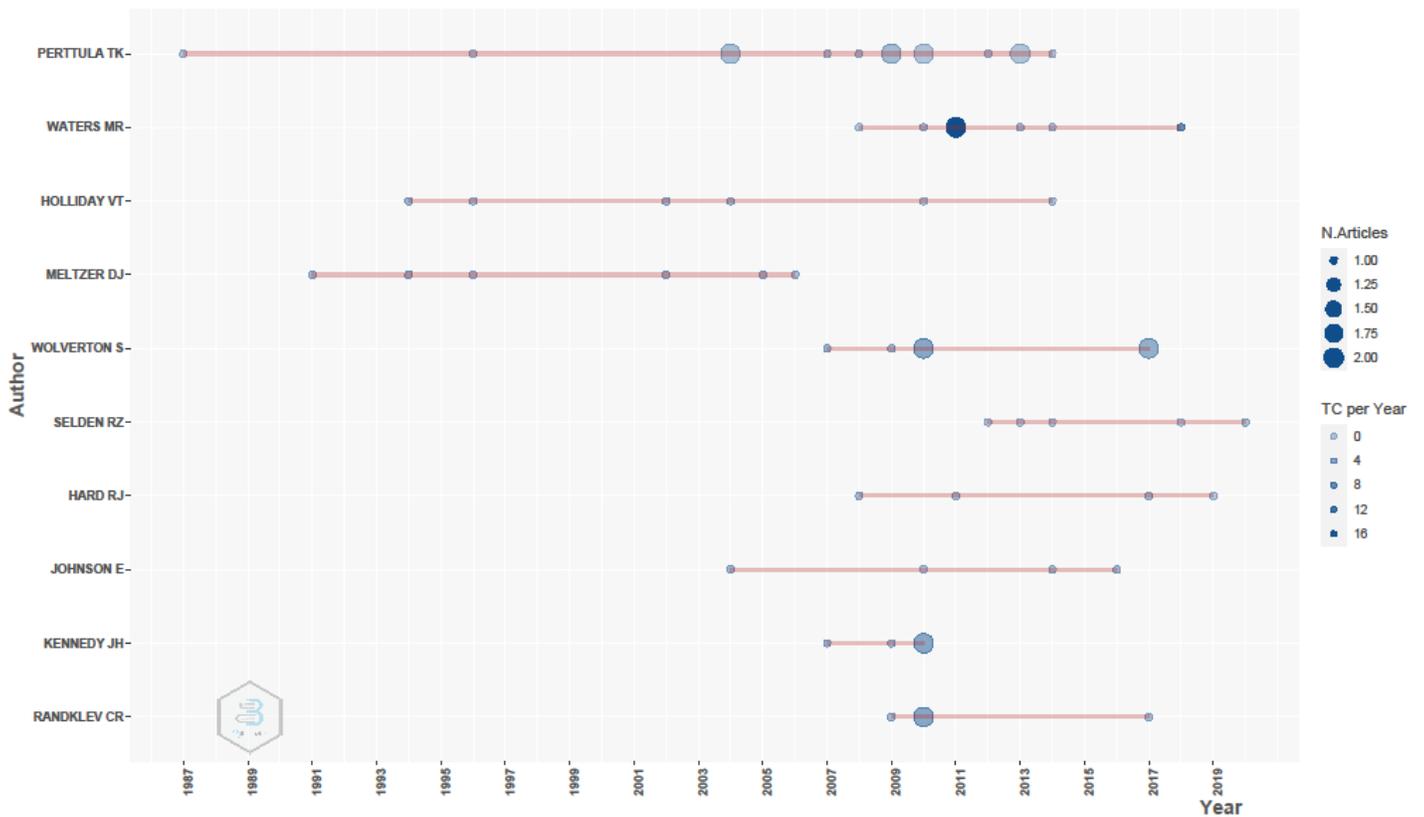


Figure 2. Most productive authors, and their contributions to Texas archaeology, through time. N. Articles, number of articles; TC per Year, times cited per year.

Thematic mapping

Thematic mapping provides a means of assessing general themes in the literature using the co-occurrence of keywords provided by the authors (Figure 2). [Cobo, et al. \(2011:150-151\)](#) describe the map in quadrants, where:

- Themes in the upper-right quadrant are both well developed and important for the structuring of a research field. They are known as the motor-themes of the specialty, given that they present strong centrality and high density. The placement of themes in this quadrant implies that they are related externally to concepts applicable to other themes that are conceptually closely related.
- Themes in the upper-left quadrant have well developed internal ties but unimportant external ties and so are of only marginal importance for the field. These themes are very specialized and peripheral in character.

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- Themes in the lower-left quadrant are both weakly developed and marginal. The themes of this quadrant have low density and low centrality, mainly representing either emerging or disappearing themes.
- Themes in the lower-right quadrant are important for a research field but are not developed. So, this quadrant groups transversal and general, basic themes.

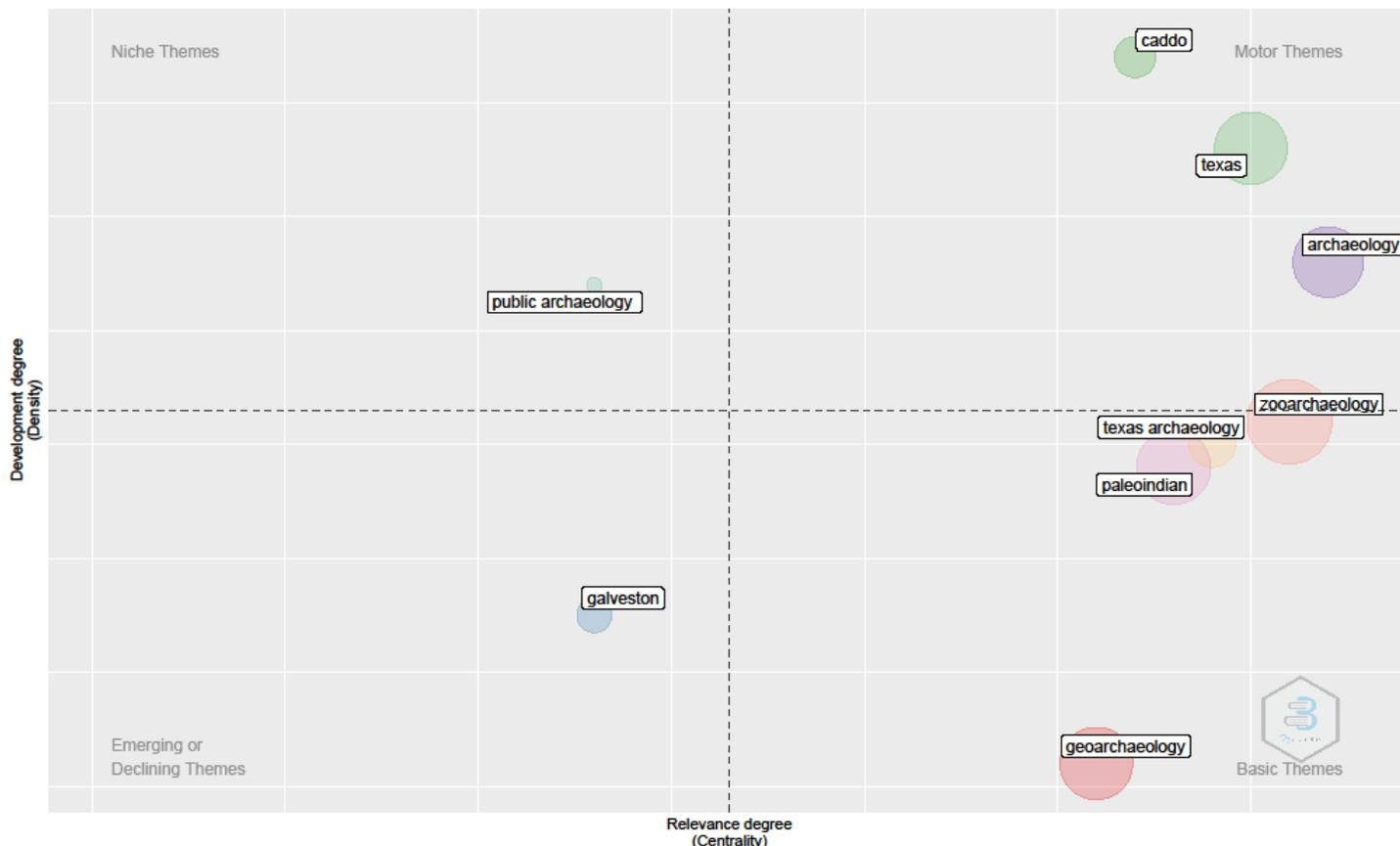


Figure 3. Thematic mapping of publications in Texas archaeology.

The thematic map suggests that topics related to Caddo and Texas are well developed in the peer reviewed literature, and zooarchaeology is trending toward becoming a well-developed research domain in Texas archaeology. Public archaeology is currently a niche theme of marginal importance, and Galveston—as a theme—is both weakly developed and marginal. Basic themes associated with the terms Texas archaeology, Paleoindian, and Geoarchaeology are important, but undeveloped (Figure 3).

(Continued on page 16)

Keywords and networks

Keywords included by authors and publishers differ (Figure 4a, b), and those used by the authors were employed to generate the network (Figure 4c). The network of keywords illustrates the difference in keywords used by archaeological, bioarchaeological (including forensics), and zooarchaeological practitioners, and are primarily based upon material analyses and methodological approaches.

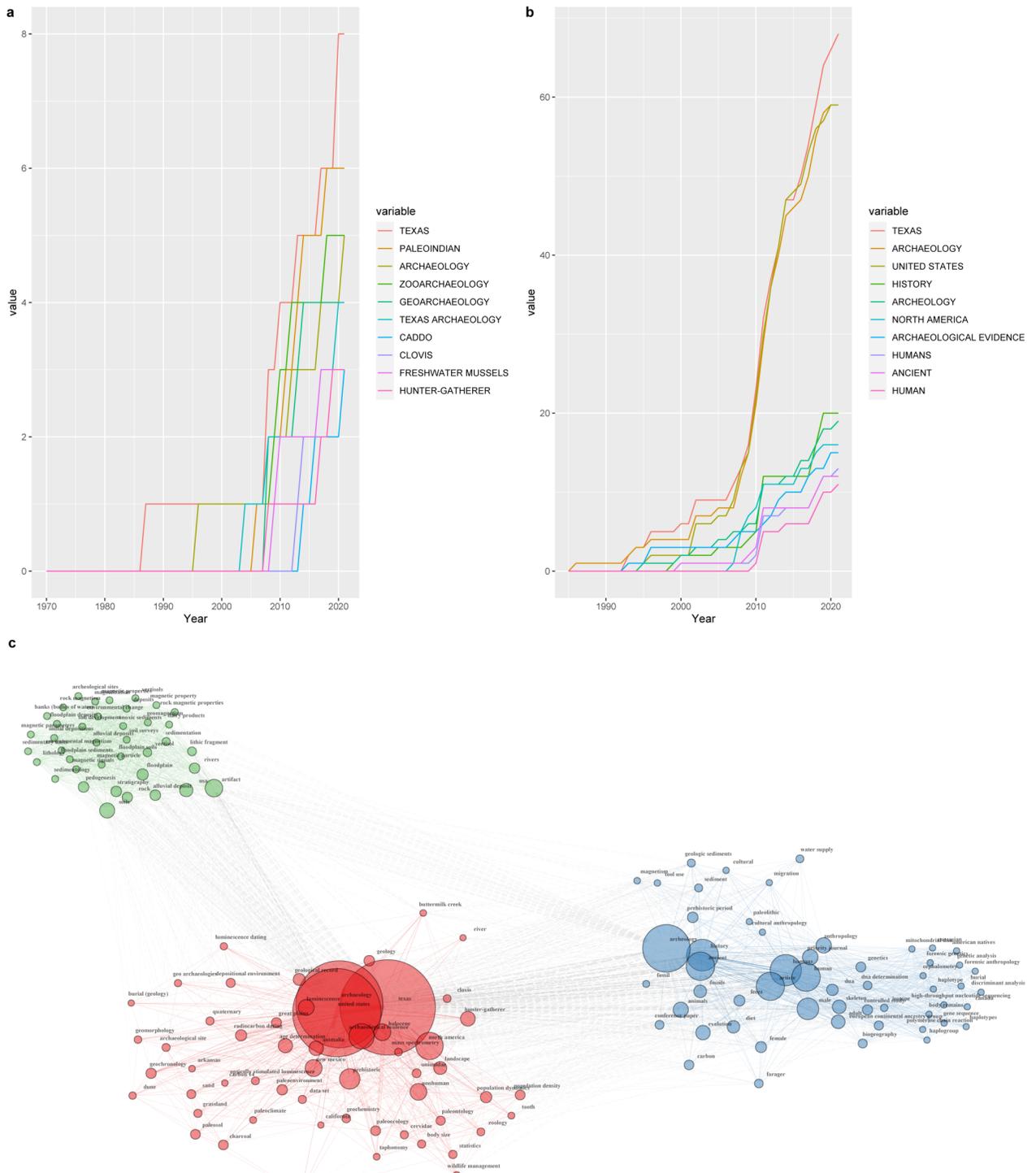


Figure 4. Network of keywords from the sample that characterize archaeology (red), bioarchaeology (blue), and zooarchaeology (green).

(Continued on page 17)

Concluding Remarks

In this brief bibliometric analysis, the peer reviewed literature and cited works associated with Texas archaeology were used to identify the most dominant/productive authors in Texas archaeology, the most relevant sources (publication venues), the production rate of top authors through time, emerging and declining research themes, and funding sponsors for Texas archaeology. Results deliver useful information to researchers and practitioners, illustrating the most active universities, funding sponsors, and potential graduate school advisors, to conceptualizing new basic and applied research projects associated with archaeological topics in Texas.

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2022 Academies: Terrific Learning Opportunities

By David Yelacic

The Academy Committee was hard at work in 2021 bringing the 2022 Academy Season to life with a Lithics Academy, as well as the new Geoarcheology 201 Academy.



Photo courtesy of Jimmy Barrera

Geoarcheology 201 Academy

The advanced **Geoarcheology 201 Academy** is a two-day workshop that explores how geological and site formation processes affect archeological sites, and how investigators use this information to reconstruct both the human and natural histories of an area. Geoarcheology 201 is assisted by the Coastal Bend Logistics Team, Museum of the Coastal Bend, Victoria College, and McNeill Family Ranch, and it will take place at Victoria College and the McNeil Ranch. **This academy will be offered two times, March 4-5 AND March 6-7. Both sessions have already closed, but you may join the wait list at www.txarch.org.**

Following brief classroom-based instruction, participants will work in small groups with professional geoarcheologists in field-based exercises that examine landscape and stratigraphy. Ultimately, participants should leave the academy with a better understanding of soil geomorphology and landscape interpretation, as well as improved skills for working with geoarchs on your projects. The Geoarcheology 201 instructors include:

- Dr. Charles Frederick, taught for several years at the University of Sheffield, England and is now a consulting geoarcheologist;
- Karl Kibler, consulting geoarcheologist with Cross Timbers Geoarchaeological Services;
- Ken Lawrence, consulting geoarcheologist with SWCA Environmental Consultants, Inc.;
- Dr. Brittney Gregory, geoarcheologist with TxDOT;
- Dr. Jim Abbott, retired geoarcheologist with TxDOT;
- Dr. Gus Costa, consulting geoarcheologist.

The registration fee (\$250) plus TAS membership for Geoarcheology 201 includes two days of instruction with refreshments and lunch. A digital manual and certificate will also be provided.

2022 Lithics Academy: Reading Stone Artifacts

The **2022 Lithics Academy: Reading Stone Artifacts**, is also a two-day academy in which participants will learn how to recognize stone artifacts, how they are produced, and to interpret patterns of stone artifacts in the archeological record. Classroom sessions for the academy will be held at the Texas Archeological Research Laboratory at the University of Texas at Austin on April 23-24, 2022. **Seats are open for the Lithics Academy, but do not delay registration further!**

Participants will learn about Texas prehistory through the stone artifact record from Chris Ringstaff (TxDOT), Dr. Robert Lassen (AmaTerra Environmental Consultants), and Sergio Ayala (Gault School of Archaeological Research). The registration fee (\$100) plus TAS membership includes instruction, refreshments and lunch, as well as a digital manual and certificate.

TAS Academies are approved by Texas State Board of Education Certification as Continuing Professional Education. Scholarships are available through TAS, and more information can be found online at www.txarch.org.

Registration is Now Open for the 2022 TAS Field School in Kerrville!

June 11-18, 2022

In June the Texas Archeological Society will host our annual summer field school in Kerrville, TX. Once again, TAS has joined forces with the Hill Country Archeological Association to return for a second year of investigations at Bear Creek Ranch with landowner Marvin Gohlke and our

PI, Eric Oksanen. Field school participants can choose to spend the week excavating a prehistoric archeological site or historic archeological site, processing and analyzing artifacts in our field laboratory, or discovering and recording new sites with our survey team.

Join us in Kerrville!

Registration can be completed online or by mail with a printed registration form. Forms are available at

<https://www.txarch.org/Field-School>



DONATIONS, DONATIONS!

THANK YOU!

ACADEMIES FUND

All donations given in support of the Geoarcheology 201 2022 Academy

Eric Schroeder

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Funding for organizational expenses has been provided to the Texas Archeological Society from the National Endowment for the Humanities (NEH) as part of the American Rescue Plan (ARP) Act of 2021.



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Thank you to everyone who has participated in Texas Archeological Society events over these last several difficult years. Your involvement, even the simplest gesture such as renewing your membership, has made all the difference in the world to this organization!

Thank you to everyone who participated in and volunteered to organize our Academies and our Field School in these trying times. Thank you to everyone who turned out for the Annual Meeting: to present, to participate, to moderate Zoom rooms, or any combination of those things! And thank you to everyone who turned out to vote for our 2022 Board as well! This organization does not exist without its members -- and it doesn't DO all the things it does without an army of dedicated and talented volunteers.

Elizabeth Coon-Nguyen



The Texas Archeological Society promotes knowledge and preservation of Texas archeology.

The Society encourages: scientific archeological exploration and research ♦ the preservation and conservation of materials and sites ♦ the interpretation and publication of the data attendant thereto.

Ethics

- Members of TAS must abide by all terms and conditions of the TAS Bylaws and all Federal and State antiquities laws or regulations.
- TAS does not condone the practice of buying and selling artifacts for commercial purposes.
- TAS does not condone the disregard of proper archeological research techniques or the willful destruction or distortion of archeological data.

I accept the invitation to join and agree to support the mission of the Texas Archeological Society.

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