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Curation Training Part II

April 5, 2018

Texas Archeological Research Laboratory

2018 CTA Spring Meeting

April 6, 2018

Business Meeting and USACE Session

LCRA Redbud Center

3601 Lake Austin Blvd., Austin, Texas 78703

CTA Social: Pecan Grove Site at Zilker Park



President's Forum

Dear Fellow Council Members:

It's the spring season again, with all that comes with it. Hopefully you're looking ahead like I am to our Spring Meeting with much excitement and anticipation. Also, for your sake, I hope those of you attending the SAA meetings already have your papers done, since that event follows immediately after our upcoming meeting. Yikes!

First, please make note that the location for this spring meeting is the **LCRA Redbud Center facility on Redbud Trail**. This is very close to the Hula Hut restaurant overlooking Lake Austin. Additionally, the afternoon social (what we're all really looking forward to) is at the **Pecan Grove at Zilker Park**. We're not meeting at Camp Mabry for either the meeting or the social; the auditorium was already booked for the meeting when I inquired months ago, and the Boy Scouts have scooped us this year for use of the picnic area. Plan to bring a folding chair with you to Zilker Park for the social, since there are fewer tables than we're accustomed to.

Generally, most of the rest of our "usual business" is in good shape. You'll be voting on the (mildly revised) wording to make the Standards and Guidelines Committee a Standing (rather than ad hoc) Committee. The wording in this newsletter differs just slightly from the previous version by adding a co-chair to help share the load, and clarifying that neither co-chair shall be an employee of the State. The committee as presently constituted has several State employees, but after conferring with several CTA folks, it was felt that there can from time to time be a certain conflict of interest between the role of co-chair of this committee, and an individual's responsibilities as a State employee.

The CTA continues to move full steam ahead



with our professional development sessions. We have two lined up for this spring.

1. Thursday, April 5 is Curation, Part Two. This event will be held at TARL, and will provide an important follow up session to the high-level overview that was presented last fall. This training will include representatives from several curation facilities, and should help attendees get important hands on experience with the different requirements of each facility, as well as some general exposure to nuts and bolts of preparing collections for curation. See elsewhere in the newsletter for key information about that.

2. Friday afternoon (following lunch), from about 1:30 to ~3:30, we will have three (count 'em!) representatives of the US Army Corps of Engineers speak to us about coordinating projects from the perspective of the USACE. This session has taken a while to arrange, and I am very grateful to Mr. Jimmy Barrera for his efforts to help pull it together. We'll hear from Jimmy, who took over for Skipper Scott as Regulatory Archeologist/Project Manager for the Ft. Worth District. Also present will be Mr. Jerry Androy, Regulatory Archeologist for the Galveston District, and Mr. Chris Parrish, Regulatory Archeolo-

gist/Project Manger for the Albuquerque District.

Frankly, this training, like the others, is a **Very Big Deal** and an important opportunity for all of us, and especially younger professionals and students to hear first hand how the USACE approaches their responsibilities in terms of project permitting and oversight. We very strongly recommend both of these trainings for ALL CTA members, but we especially hope to attract younger and aspiring professionals who want to know from the outset what some of the important rules and procedures are that govern our profession. As always, you need to be a CTA member to attend, but otherwise there's no cost for attendance.

Let's consider the above to be like the icing on the cake. Or, if you prefer, the gravy on the meat. As for the main course for the spring meeting, we'll be talking a lot about Standards and Guidelines. I'll keep this brief, but let's all please pay attention. First, as mentioned earlier you'll be voting about whether to establish the Standards and Guidelines Committee as a Standing CTA committee. In my view, this group has the potential to do some very important work in the future. Because the CTA is supposed to represent professional interests across the state, performance standards and what it means to be a professional archeologist are central to that concern. Still, as the concept of "professional archeologist" evolves and new challenges or technologies are introduced, we'll need to find ways to face those in appropriate, best practice ways.

Importantly, and (in my view) somewhat related, as President of the CTA I also serve on the Antiquities Advisory Board. In this capacity, each quarter I'm asked to vote on things like proposed changes to Chapter 26, as well as SAL nominations and other matters. To be clear, this is in an advisory capacity; the Commissioners receive these recommendations and do what

they want. Still, it's an important function, and one that I take seriously as representative of your aggregated views on these matters. This year, the MOU between THC and TxDOT is up for revision, and among the proposed changes is an exemption for PIs working on TxDOT contracts to be in the field 25% of the time, in accordance with Chapter 26 provisions, for projects other than data recovery. This includes Phase 2 eligibility testing projects, as well as other, "less complex" project types. Some of you were asked to take a survey on this matter a few weeks ago, and those results are included in this newsletter. I've asked our colleagues from THC and TxDOT to help explain the reasoning behind the change. For me, speaking personally, one issue at stake is what it means to have a Principal Investigator role at all, and what our expectations are for that position. Again speaking personally, this all has a lot to do with how a "professional archeologist" is defined in Texas, and how Chapter 26 rules should work with those expectations. Subsequent questions might also come up, like assurance for quality control; consistency in data collection, analysis, and interpretation; ultimate accountability; and others. I don't think that our current model for being a "professional archeologist" should forever remain the same, and I think this proposed change may help bring about some movement in that regard. In any event, I also think that it's important for the discussion to take place openly and transparently.

On top of all of that, we have elections for new officers and other important business to hear about and discuss. It should be a lively and important meeting. As always, and especially these days, we need younger/newer members to think about how to be active in CTA and participate in committees and other leadership roles. This is your chance to make a difference, and we need your help to keep moving forward.

See you at Redbud Trail!
Jon Lohse

**LOWER COLORADO RIVER AUTHORITY**

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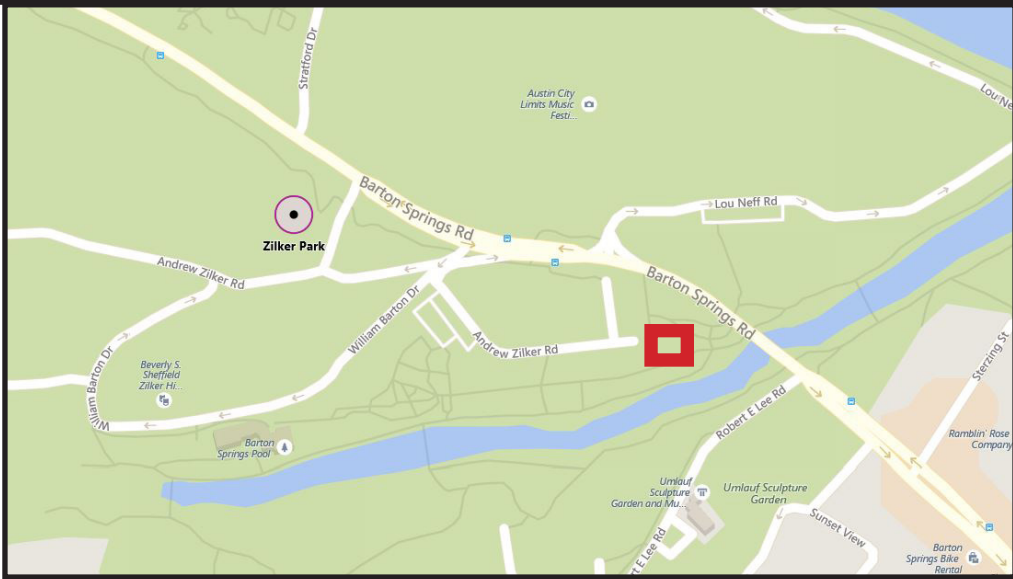
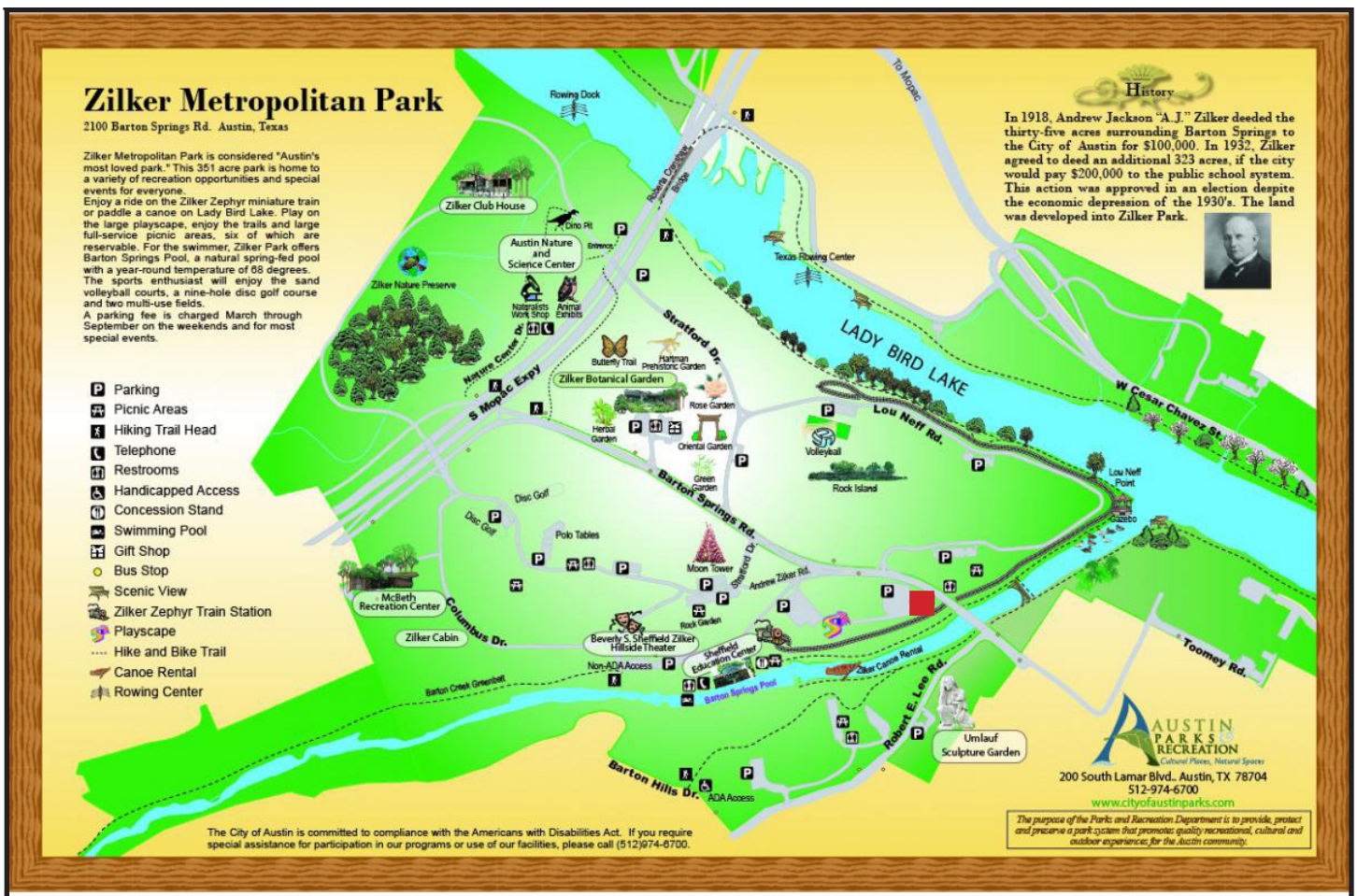
Map to LCRA's Redbud Center

**Address:**

Redbud Center
 3601 Lake Austin Blvd.
 Austin, Texas 78703

Phone: 512-473-3200

Directions: From [Austin-Bergstrom International Airport](#), go west on State Highway 71 about eight miles to Capital of Texas Highway. Exit, merge right on to Mo-Pac (Loop 1) and continue north. Cross the Colorado River and exit at Fifth Street/Lake Austin Boulevard. Turn left onto Lake Austin Boulevard. Continue about 1.5 miles to LCRA's offices. Entrance is on the left just past the traffic light at Redbud Trail.



Directions from the LCRA Redbud Center to the Pecan Grove site at Zilker Park:

Turn right on Atlanta Street and then take the ramp left and follow signs for TX-1-Loop South. Take ramp right for S Mopac Expy toward Rollingwood/West Lake Hills. Make a U-turn to stay on S Mopac Expy and bear right onto Barton Springs. Turn right onto William Barton Drive and then turn Left onto Andrew Zilker Road and park in lot.

The Pecan Grove Picnic Site is boxed in red on the above maps

Spring 2018 Agenda

Registration – 8:30 am

Call to Order – 9:00 am

Announcements

Approval of Minutes, Fall 2017 Meeting

Officers' Reports

President (Jon Lohse)

Past President (Missi Green)

Vice President (Andi Burden)

Secretary (Julie Shipp)

Treasurer (Maggie Moore)

Newsletter Editor (Tina Nielsen)

Agency Reports

Texas Historical Commission (Pat Mercado-Allinger)

Texas Parks and Wildlife (Michael Strutt)

Texas Department of Transportation (Scott Pletka)

Texas Archeological Research Laboratory (Jonathan Jarvis)

Standing Committee Reports

Auditing (Mark Denton)

CTA Communications (Catherine Jalbert)

Contractors List (Erin Phillips)

Curation (Marybeth Tomka)

Governmental Affairs (Nesta Anderson)

Membership (Katie Canavan)

Multicultural Relations (Mary Jo Galindo)

Nominating (Bill Martin)

Public Education (David Brown)

Ad Hoc Committee Reports

History (Reign Clark)

Standards and Guidelines (Jodi Jacobson)

Old Business

New Business

Meeting Adjourns – 12:00 pm

Afternoon Session – 1:30 pm

Special guests from USACE

(Jimmy Barrera, Jerry Androy, and Chris Parrish)

CTA Social – 5:00 pm – Pecan Grove Site at Zilker Park

Note: *Agenda is subject to change prior to the Spring Meeting*

Vice President's Report

By: Andi Stahman Burden

This spring has been very busy. I've been working with Catherine, Julie, and Maggie to update the contacts list for our gmail account so that official Council emails get to our current membership without hiccups. I've also been assisting the coordinators of the CTA Spring Social event and coordinating the Fall Careers in Archeology Social with Kay Hindes and Kristi Nichols. Many thanks to all the sponsors and donors of the Fall 2017 Social, you made the event a tremendous success!

I'd also like to take this opportunity to thank the many CTA members that give or have given their time and talents to serve on the Executive Committee, Standing Committees,



Special Committees, and Ad-hoc Committees. I am grateful to carry out my duties alongside committed, thoughtful, intentional, hard-working folks. They make sacrifices to carry out the mission of CTA throughout the year on your behalf and we are so lucky to have them. So, if you've never served on a CTA committee, what are you waiting for? I ask you to step into the ring, join a committee, and be part of a larger collaborative process. Volunteer today!

Secretary Report

By: Julie Shipp

Happy Spring!

As you may know, it is time to renew memberships for the 2018 year, if you haven't already. Membership with CTA is on a yearly basis, with each new year starting on January 1. Everyone's 2017 membership expired on December 31, 2017. Membership renewals can be done in several ways. You are able to pay online via Square through the CTA website (www.counciloftexasarcheologists.org) or by completing a membership renewal form (also on our website) and mailing it with a check to Council of Texas Archeologists c/o Julie Shipp, aci consulting, 1001 Mopac Circle, Austin, Texas 78749. When using Square,



please enter any changes to your member/contractor information in the notes section.

Contractor fees are \$150 per year, and you must also have an Individual Membership to be listed on the Contractors list. Individual Memberships fees are \$45 for Principal Investigator, \$30 for Professional Archeologist, \$15 for Student and Retiree (voting), and \$15 for Institutional Member (\$15). Membership fees are where we bring in the majority of our revenue to use for scholarships, grants, and meetings. Please renew your memberships and encourage others to join CTA.

Treasurer Report

By: Maggie Moore

The Proposed 2019 budget (on page 35 of the newsletter) has a new format with the 2017 actuals and 2018 budgeted for comparison, and more clearly shows budget-neutral activities.

The results of the budget survey were used to guide the 2019 proposed budget. Priorities for CTA funds and efforts expressed by the respondents were (in descending order): professional development, public education/outreach, legislative efforts, donations and scholarships, and expanding membership.

Socials were strongly supported; most respondents were willing to increase table fees to pay for the fall social, and the majority were even in favor of adding a third if it could be funded.

Open-ended responses expressed appreciation for the professional development trainings, and suggested several new training topics such as technology use, macrobotanical analysis, geomorphology, and field methods.

We increased the 2019 budget to allow for additional trainings and/or fund ones (such as technology) that might require renting expensive equipment. This increase was offset by reductions from the 2018 budget in digital management fees, committee expenses (which are historically underutilized), and donations. While donations have historically made up 79% of our annual expenditures, it ranked fourth among priorities in the survey, and was reduced to 59% of the 2019 budget.

Our current account balances are (as of 3/21/2018):

Checking	\$19,115.57
Money Market	\$18,919.12
Scholarship Fund	\$ 9,127.01
<hr/>	
Total	\$47,161.70

Finally, I am stepping down as Treasurer. It has been a pleasure to serve the CTA in this capacity, and I will work to make the transition to a new treasurer as smooth as possible. I look forward to continued participation in the CTA in other capacities. Thank you for the opportunity to serve.

Newsletter Editor Report

By: Tina Nielsen

I just wanted to say thank you to everyone who submitted articles and photos for the spring newsletter. I am noticing that the majority of contributors are those on the executive committee and/or the usual suspects, so to speak.

I really want to encourage newer members or those who have never submitted anything before to write something for the fall newsletter. Perhaps you've recently attended one of the professional development trainings we are now hosting. How was your experience? Have you used this new knowledge in your job? There are no specific guidelines for article submissions, so don't feel like you have to have a long article in order to submit. I think the EC and the rest of the membership would really like to hear feedback on how CTA is aiding in the development of our members!

And of course, photo submissions are always encouraged and accepted as we like seeing pictures of CTA members in action! I know I will be taking lots of pictures at the Curation Part II training and all the various spring meeting events!

See you all in a few weeks!

Cheers



Communications Committee Report

By: Catherine Jalbert

Dear Members,

As Chair of the Communications Committee, my main objectives have centered on working toward updating the functionality of the CTA website and examining new ways to reach our membership. After the fall CTA meeting, and with the help of Amanda Castaneda and John Lowe, the CTA now has a Facebook page (<https://www.facebook.com/counciloftexasarcheologists/>). If you haven't joined it, please consider doing so. Not only do we post updates from the website, but we are also actively posting news and opportunities from other organizations around the State. In the coming year, I would like to see the CTA Communications Committee highlight 'member features' on our website and Facebook page in which members send us photos and a short blurb regarding interesting projects they're currently involved in. It would be great to have a better idea of what our members are up to and I think this would be a great place to start. If you are currently involved in a project you're excited about, please consider sharing it with the membership and email me at cjalbert@macenv.com.

While the CTA Communications Committee is going to work toward establishing goals for the coming year, I have actively been involved in doing research on various membership management options. In the next year, the CTA may switch to a new system that allows us to better track current members, and provide a better platform in which to communicate with the membership. Stay tuned as this is something in the works!

You will also likely see changes to the CTA website over the next few months. While I have superficially updated the theme, I would like to conduct a complete overhaul of the site and remove or update information as needed. One feature that was proposed by our CTA President before the fall meeting was a job posting board for companies and where field techs seeking work might be able to post their CV's. This will likely become a reality in the very near future. So, again, stay tuned for updates!

As always, if you have any suggestions for things you'd like to see incorporated into the website or have ideas on how the CTA can better communicate with the membership, please feel free to email me. I'm looking forward to continuing to work toward updating our current online presence while integrating new features.

Proposed CTA Bylaw Changes

Second Draft definition of new Standards and Guidelines Committee. New By-Law text is underlined, deleted text is struck-through.

19 March 2018

ARTICLE VII. Committees

Section 10. Standards and Guidelines Committee

The Standards and Guidelines Committee shall serve as the body within the Council to whom issues of professional performance standards or guidelines are directed for deliberation. As topics are raised and upon deliberation of those topics, this Committee shall make recommendations to the Council concerning the need for addressing existing performance standards or guidelines, or for crafting new such documents where none exist. Depending on the nature of the topic and its required expertise, new standards or guidelines may be drafted by this Committee or by a special committee appointed by the President with input from officers and the general membership. In cases where a topic is represented by an existing Standing Committee, that Committee shall have the responsibility for updating any related standards or guidelines. Membership of this Committee shall consist of two co-Chairs, neither of whom shall be State employees, and up to seven but no fewer than five additional members, and shall last until new members are appointed.

~~Section 10~~ 11. Standing or Special Committees

Such other committees, standing or special, shall be appointed by the President, with the approval of the elected officers, as deemed necessary from time to time or as directed by the Council to carry on the work of the Council. Appointments of other committees by the President shall be subject to approval by majority vote of the members at the next regular or special meeting of the Council.

~~Section 11~~ 12. Committee Membership

Committee members and chairs (unless otherwise designated) shall be appointed by the new President at any time after he/she takes office at the conclusion of the Spring Meeting. Committee memberships, elected or appointed, terminate at the conclusion of the Spring Meeting following their appointment or election unless otherwise specified in the Bylaws of the Council.

Results of a CTA Membership Survey: Principal Investigator Field Time Requirements

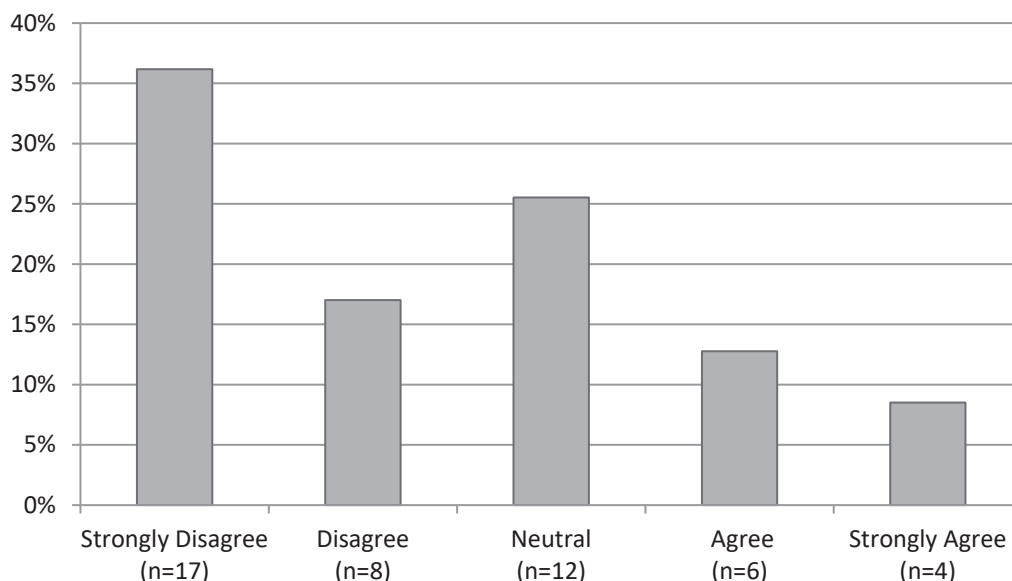
Submitted by Catherine Jalbert on behalf of the Communications Committee

In January, the CTA asked members to participate in an anonymous, self-completion survey regarding the Texas Antiquities Code's current requirements for Principal Investigators in the field. Under the current regulation (§ 26.4, Professional Qualifications and Requirements), PIs are required to spend at least 25% of the project's field time in the field. With that in mind, the main objective of this survey was to gather data that accurately represents the opinions of CTA members in regards to this portion of the Antiquities Code.

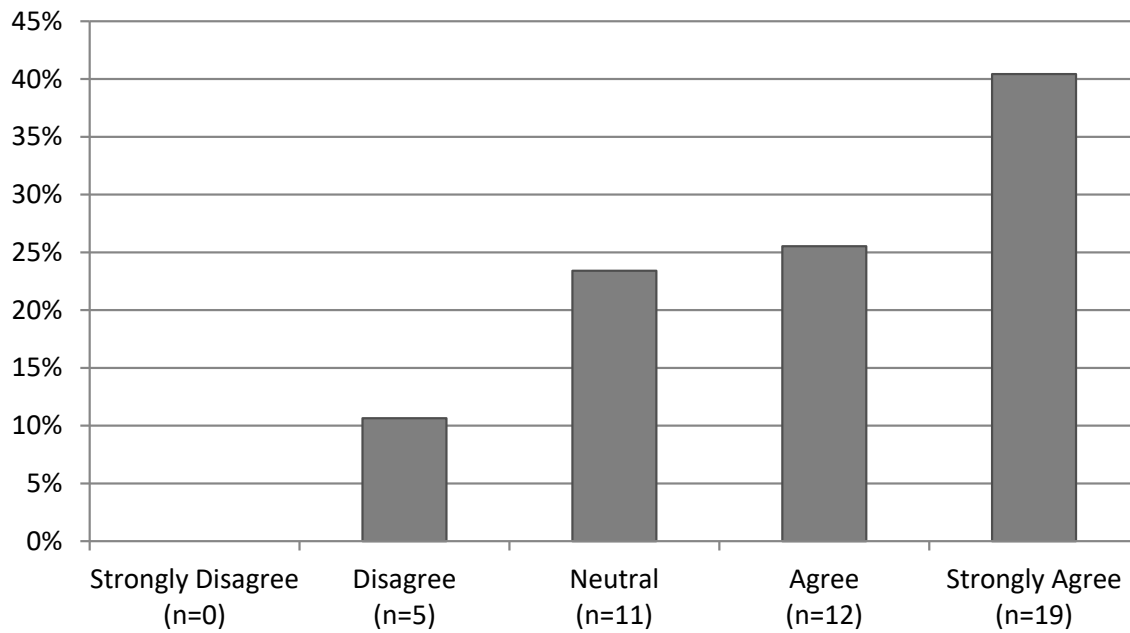
This survey was designed through the online survey platform SurveyMonkey and took less than a minute to complete. It consisted of three mandatory close-ended ranking questions with options 1 through 5, with 1 being strongly disagree and 5 being strongly agree. Participants were also asked if they currently serve as a PI in their place of employment. Finally, the survey afforded participants the option to provide any additional thoughts or comments regarding PI time requirements in the field in an open-ended space.

A link to the survey was distributed to current members (as of January 1, 2018) through a bulk email and garnered 47 responses. Below are the results followed by participant comments.

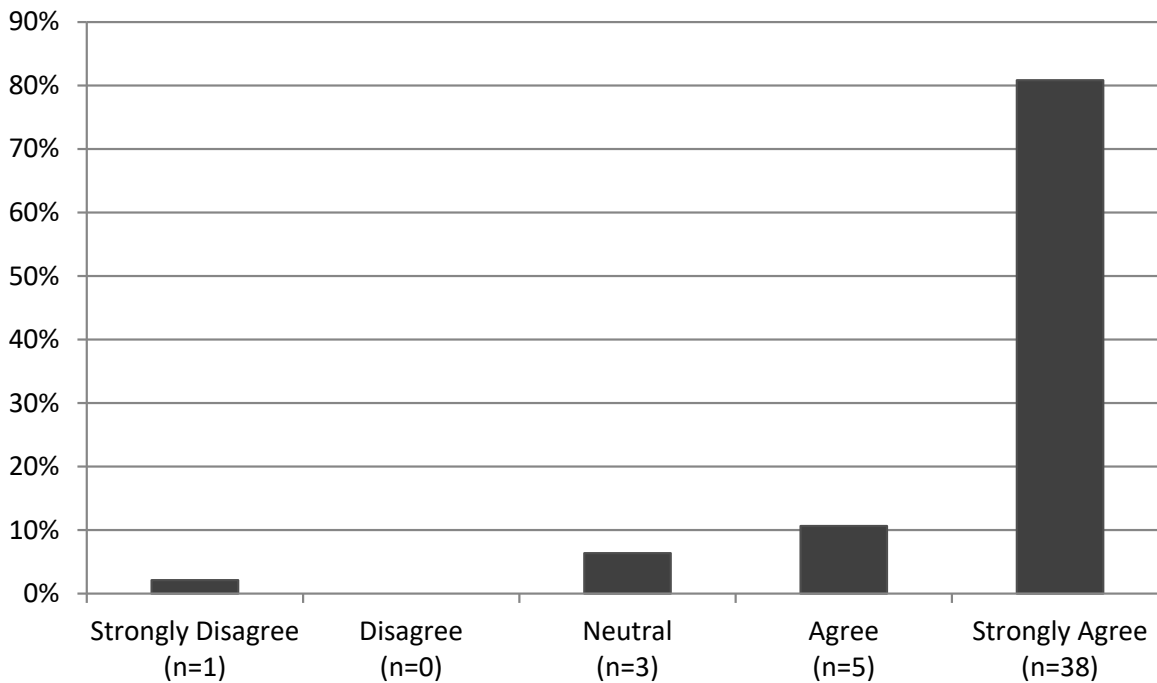
1) A PI should be in the field at least 25% of the time for a *Phase One* pedestrian survey:

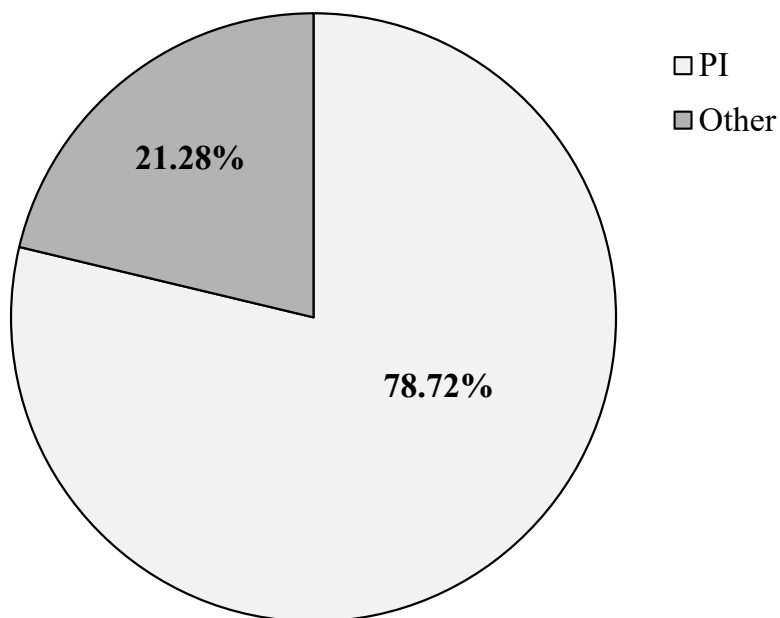


2) A PI should be in the field at least 25% of the time for a *Phase Two* eligibility-testing project.



3) A PI should be in the field at least 25% of the time for a *Phase Three* data recovery project.



4) Do you currently serve as a PI for your firm, institution or agency?**Additional Thoughts and Comments:**

(25 respondents provided feedback)

- I understand the reasoning behind this part of the regulation (why restrict who can have a permit, if they aren't the ones overseeing a project). However, there are plenty of times when the potential is low and the survey is being conducted just to check a box and a qualified substitute could be in the field instead of the PI.
- There seems to be a growing trend in our industry to require advanced degrees for non-PI staff positions, but then a simultaneous reluctance to allow non-PI staffers any freedom to use their knowledge and training. I don't think the PI is needed on every project for a set amount of time as long as there are qualified staff running the project.
- For small Phase 1(3 days or less) would be nice to have option to not have PI present if capable field staff. For larger Phase I the PI should be there. For Phase II and III, the PI should be there closer to 50% or more.
- I believe that the PI needs to oversee the project for which they are responsible. I know that many PIs do not actually follow the in-field rule and believe that they can do their 25% from their office. But nothing replaces being at the project in person. Too many

companies want to stretch one PI over too many projects at the same time, and they end up rubber stamping work they know little about.

- I understand the challenges with trying to quantify a minimum standard for something as broad and diverse as archeological fieldwork. That being said, particularly for the survey, it's difficult to find the merit in some cases of making a trip for a short survey. Tacking on another person to complete the 25% fieldwork minimum for a minor one-day survey can be expensive. And at the risk of being completely dense, 25% of what? Person days? Total fieldwork days? It's tough to gauge those sorts of things. Again, I completely understand that this is an inherent challenge of quantifying a minimum standard, though.
- We send qualified, trained and experienced staff with anthropology BA and MA degrees to conduct all phases of Texas Antiquities Code fieldwork, and it is a complete waste of time and project money for the PI to be required to spend 25% of the survey on site on Phase 1 surveys, especially given that many of them are either negative surveys, or have non-NRHP eligible sites. The staff are professional and quite qualified to manage these types of surveys and make these negative NRHP eligibility determinations and write the reports. This requirement drives up the cost of cultural resources for clients and on Phase 1 surveys does not serve a useful purpose. The role of the PI should be to evaluate important sites, and contexts, and findings on a case by case basis, to supervise positive NRHP eligibility calls, and perform quality control on all reports. Therefore, a PI is necessary much of the time on a Phase 2 testing project, and should be there at least 25% of the time on Phase 3 data recovery work, but the degree of PI supervision should be decided by the PI, and depending on the project and the types of cultural materials present.
- We all hate to hear "depends" but for phase I it depends on the team of shovel-hands, and experience of the PA. I have seen people who know how to dig holes, but not really able recognize stratigraphy. Yes they can identify modified rocks, but does the soil also indicate an intact site? Size of the crew also matters. A large crew takes more time to see what they are doing in the field. For Phase II and III I think we need a standard. Is it 25% for those phases? Personally I think for phase III it is closer to 100 than 25. Phase II could be 25 or less even if you have a competent team. I realize this does not help establish a guideline for the field, and I suspect these are the same questions the feds wrestled with when they created the 25% guideline.
- A certain amount of discretion as to the need to be in the field should be up to the PI (especially for Phase I, less for Phase II and probably not for Phase III). However, if discretion is used not to meet the 25%, the PI should have to sign an accountability

statement accepting responsibility for the product produced and possibly, some type of penalty if the project is severely deficient.

- Larger surveys or surveys in which numerous sites are found may need a PI 25% of the time, but smaller surveys may not need it unless something unusual is found.
- All of these questions are conditional. Having a PI in the field 25% of the time for Phase I is impractical, especially for small projects. It will just raise the cost. Yes, the PI needs to spend time on site for Phase II and III, but again, these requirements are conditional, and pretty much job specific. I am against standard requirements across the board, the feasibility has to be weighed against each project.
- Titles, roles, and responsibilities can vary from firm to firm, and an individual that is highly-qualified for a field project may not fit the internal company criteria of PI.
- It should be an even higher percentage.
- Believe PI should be required to be on-site during NRHP-eligibility testing startup to accurately identify testing locations based on current ground conditions and also before any units (if excavated) are backfilled to ascertain profiles, features, etc. were accurately captured.
- I feel that the PI should be involved, but 25% for data recovery is likely high. Survey should be around 10% or less. Testing should also be around 10%.
- I generally agree on 2, but I think we should consider allowing the use of project directors who aren't PI qualified but are otherwise well qualified to completely direct initial eligibility testings with fairly limited scopes. This should be negotiated with THC basically on a case-by-case basis, depending on the individuals concerned, but within some general guidelines for qualifications (e.g., perhaps at least BA with several years apprenticing in eligibility testing work under a PI) to be developed and promulgated by THC in collaboration with the CTA.
- Although I am not currently serving as PI for a firm, I have 20 years of experience in the field. I strongly agree that PIs should always spend AT LEAST 25% of their time in the field per project and that percentage should possibly be increased for Phase 2 and Phase 3 projects. It should definitely be increased for projects with burials.
- Personally speaking, the amount of time a PI spends in the field is irrelevant if the PI is incompetent. I believe what follows is governed by the THC, but I'll lay it out here

anyway. We need to alter the requirements for getting permitted. I would like to see a system similar to that employed in New Mexico. While I rarely work in New Mexico and am not an expert in their permitting requirements, I believe it is based off a point system and is region specific. For example, if you have RECENT work experience in Central Texas, you get a few points, you are a member of the CTA, you get a few points, you present a Central Texas-related topic at a conference, you get a few points, you publish an article related to that region, you get a few points, etc. Acquiring the minimum number of points for a specific region will allow you to pull permits for work in that region. The points you accrue are only valid for a specific amount of time, which keeps folks involved. It's something to consider as I believe it would greatly increase the quality of work done here in Texas.

- For smaller survey projects, say ~20-40 acres, I don't think PIs would need to be in the field. For larger surveys and all Phase II and III work, PIs should certainly be required to spend 25% or more of the project in the field, making it clear that post-field lab/reporting/coordination does NOT count toward the 25%.
- Since a PI is ultimately responsible for his or her project both meeting regulatory requirements and being meaningful for research purposes, it seems odd to me that a PI might not feel the need to be present, especially for Phase II and Phase III projects, at least 25% of the time.
- The size of the project makes a difference, particularly with the phase I survey. I think the PI should go out to look at the project area and get a feel for the archaeology, but may not be needed for 25 percent of a big project that takes months to complete.
- Field involvement by a PI is costly, for sure. However, in theory, most PIs have substantially more archaeological and regional experience than the PA or crew leaders running the actual day-to-day operations. I think it is unwise to limit PI time in the field and rely on junior staff that may be only minimally trained or experienced in the site/setting where they are tasked. I think this is especially true for complex testing and data recovery projects.
- When the 25% rule was put into effect about 20 plus years ago, it was considered minimal -- I think PIs should be in the field more than 25% for testing and DR projects. And frankly with no recovery surveys, I'd prefer more experienced personnel making survey and artifact id decisions!

- Drive time to and from the field should not be considered part of the PI's "field time" as I have seen in some circumstances. I think with surveys it is less critical than it is with excavations.
- I strongly agree that the PI should be in the field for at least 25% of the time. The only exception would perhaps be a small 1 day survey.
- If a PI is not required to provide direction and leadership for site testing and data recovery, what, exactly is the job of a Principal Investigator?

CTA Student Grant Report

Results of Micromorph Thin Section & Total Organic Carbon/Stable Carbon Isotope Analysis at Sayles Adobe (41VV2239)

By Tori Pagano

The Sayles Adobe site (41VV2239) is in the Lower Pecos Canyonlands (LPC) region on a terrace located 260 meters (m) upstream from the confluence of the Rio Grande River and Eagle Nest Canyon, and just below rockshelter sites Skiles Shelter (41VV0165) and Kelley Cave (41VV164). Only three alluvial terrace sites have been extensively documented in the region, the most relevant to Sayles Adobe being Arenosa Shelter (41VV199). Present archaeological data from the site indicates the shelter has been occupied intermittently over the last 9,000 years, with current radiocarbon dates placing the site within the Late Paleoindian to Late Prehistoric periods.

My research is focused around understanding the natural and cultural formation of the site, detailing the chronology and intensity of flood events, as climatic events may have affected human behavior at the site and in the canyon. Site analysis is aimed towards studying terrace formation and documenting the use of the terrace site by occupants of the adjacent Skiles Shelter and Kelley Cave. Radiocarbon dates from the Sayles Adobe deposits suggest periods of human occupation are present that are not represented in the nearby Skiles Shelter deposits despite being in proximity to one another. This might be a result of differing geologic environments.

The grant received from the Council of Texas Archaeologists was used to process 50 total organic carbon/stable carbon isotope samples and 9 micromorph thin sections. The analyses were completed over the summer and fall of 2017 to aid in the completion of my master thesis later this year. Thin section slabs were sent to National Petrographic in Houston for finishing and total organic carbon/stable carbon isotope sediment samples were sent to Keck Paleoenvironmental & Environmental Stable Isotope Laboratory (KPESIL) at the University of Kansas.

Micromorph Thin Section Analysis

Thin section slides were created from polyester resin embedded blocks of sediment collected from feature areas that were radiocarbon dated, as well as from flood deposits identified in stratigraphic profiles. I attempted to assess the stratigraphic integrity of each of the feature and flood deposits. Specifically, I looked for features indicating: bioturbation, pit digging (i.e. revisits to the area), and other identifiable post-depositional features. This included looking at the sedimentary composition of the particles in the slides, as well as amounts of identifiable ash and charcoal, burned rock, and organic material (roots, plant, and bone). Overall, analysis confirmed suspicions that the 30–40 cm thick deposit identified as “Occupation 1” was in fact a palimpsest representing multiple visits to the site. The slides I analyzed were slightly overlapping, which allowed me to trace the paths of bioturbation (e.g., bugs and roots moving materials through the profile) (Figure 1).

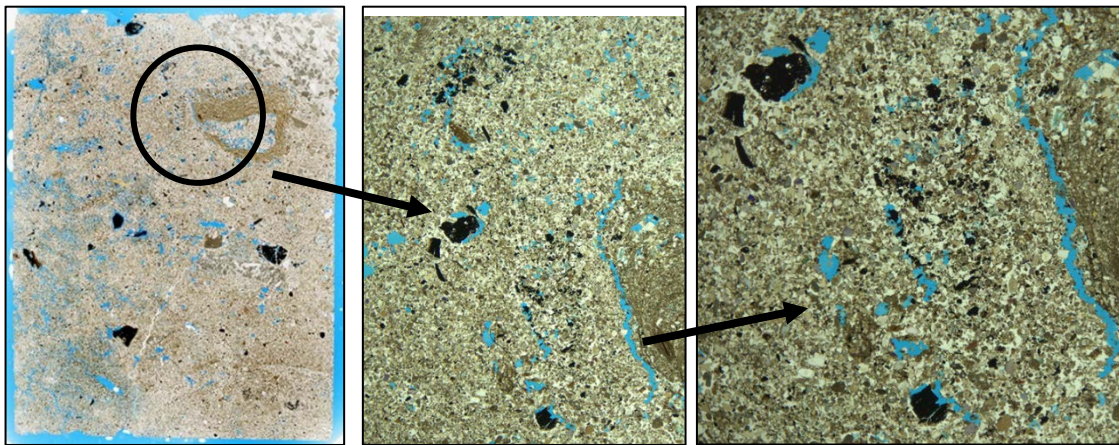


Figure 1: Thin section from a possible thermal feature; focus is on the mixed nature of the particles and the trail of charcoal that has been left by an insect. (Left) Full slide; (center) Bioturbation feature (x15 magnification) and insect cast below burned rock; (right) Bioturbation feature x27 magnification.

I also conducted microsampling (i.e., taking 1-cm-thick sediment samples from each micromorph and monolith block prior to embedding), which allowed me to obtain additional geoarchaeological data from the deposits later seen in thin section. This was done in the event I needed help differentiating between natural and cultural deposits. Microsampling the monolith was particularly useful as the block captured an alternating sequence of coarse and fine flood

deposits that occurred within a 1,000-1,200 year period (Figure 2). By creating a secondary dataset with the additional geochronological analyses, I was able to look at fining and structure within the individual flood deposits.

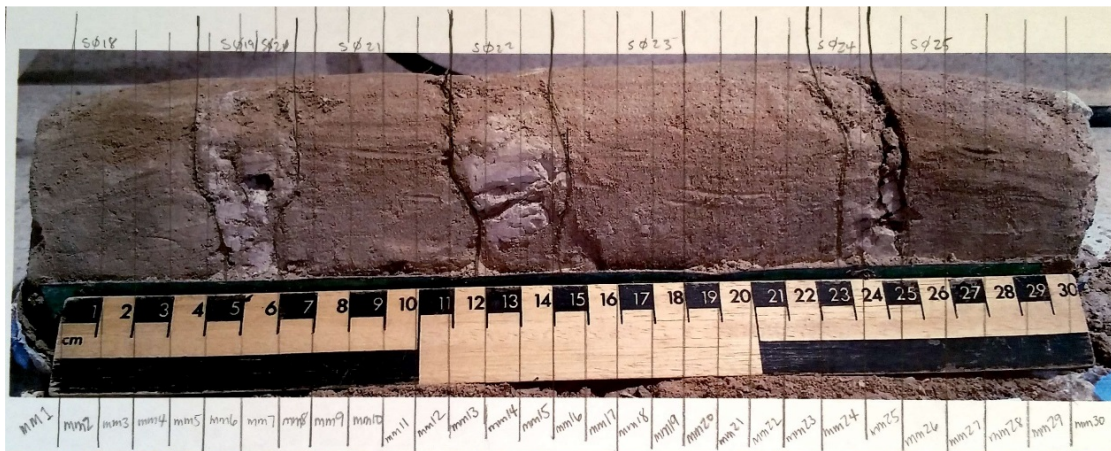


Figure 2: Monolith collected adjacent to 3.5m sampling column, for 1cm microsampling, total organic carbon/stable carbon isotope, and thin section analysis.

Total Organic Carbon and Stable Isotope Analysis

Before the close of excavations in my northern 3.5-meter deep excavation unit, I excavated a 40 cm-x-35 cm sampling column from the ground surface to the excavation unit floor in 1–5 cm layers, dependent on the stratigraphy. Fifty of the eighty-three samples collected from the sampling column were selected for total organic carbon and isotopic carbon analysis (Figure 3). This data was compared against data obtained from the particle size, magnetic susceptibility, mass based inorganic carbonate, and microartifact analyses to aid in identifying anthropogenic surfaces in the relatively homogenous, massive deposits.

These analyses would not have been possible without your support and I would like to thank the Council of Texas Archaeologists and its supporters for supplying the funds. The data the CTA helped me collect aided in the final stages of my thesis analysis and my interpretation of a unique terrace site within Eagle Nest Canyon. Completion of my thesis research at the site will continue to add to our overall understanding of the flood regiment seen in Eagle Nest Canyon and the Lower Pecos Canyonlands.

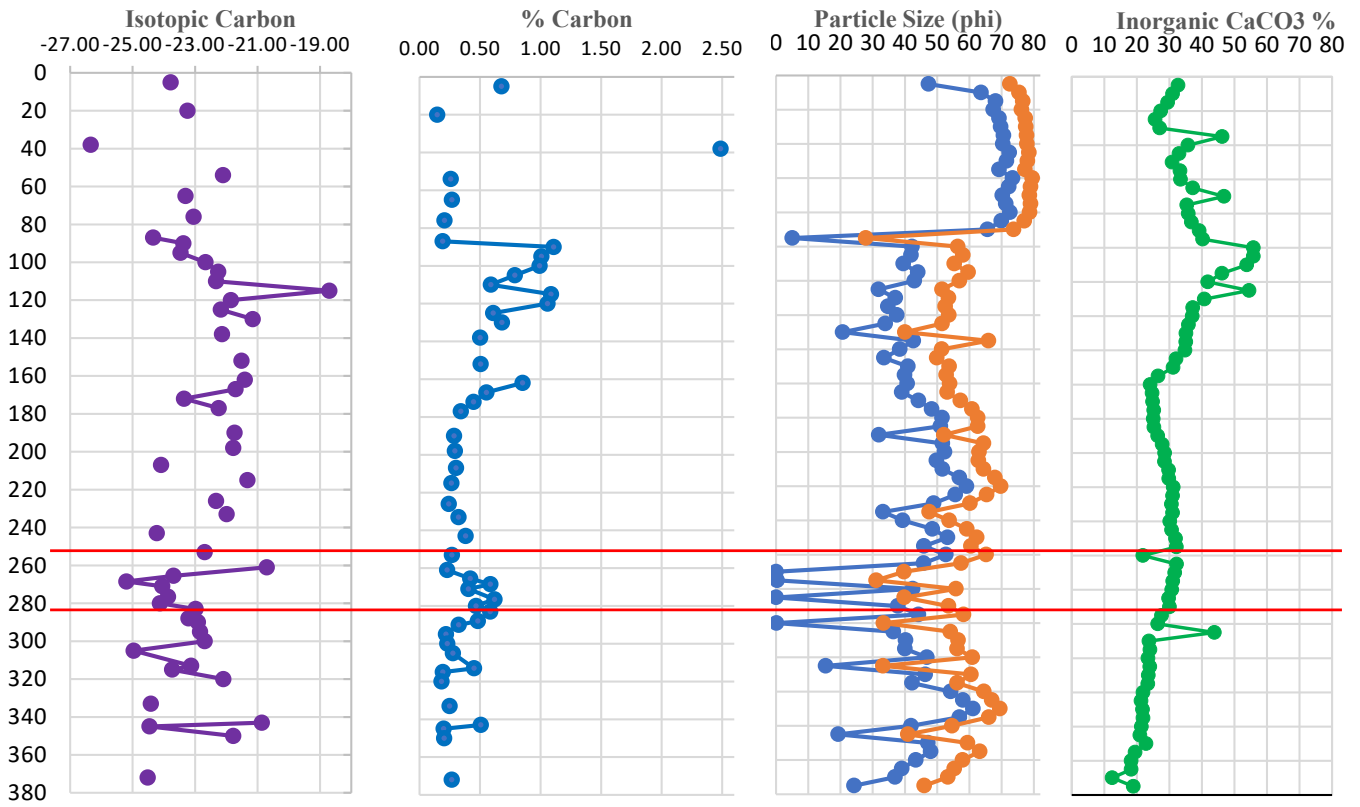


Figure 3: Paired geoscientific analyses from Sampling Column U. Sediments collected from the column were used for multiple comparative analyses and water sieved to collect residuals for 1mm and 2mm microartifact analysis. The two red lines create the boundary for the monolith seen in Figure 3.

Articles

Initial Test of Habitat Suitability Models for the Davy Crockett National Forest

Robert Z. Selden Jr.^{1,2}, David A. Foxe³, and Juanita D. Garcia³

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²Virtual Curation Laboratory, Virginia Commonwealth University

³National Forests and Grasslands in Texas, United States Forest Service

The response to our Passport in Time (PIT) solicitation for the test of new habitat suitability models (Figure 1) for the Davy Crockett National Forest (DCNF) was fantastic, and thanks to our many friends and colleagues in the Texas Archeological Society and the Council of Texas Archeologists for helping us to spread the word. Participation in the test was limited to 20 volunteers per week (40 over the course of the two-week test), and we were very grateful to receive such a large pool of applicants from across the United States. Our volunteers ranged greatly in age and experience; from a young high school graduate taking a gap-year before beginning his studies at the University of Chicago to a retired professor from the University of Colorado at Boulder.

The PIT project leverages a recent documentation of archaeological collections from the National Forests and Grasslands in Texas (NFGT), enlisting those data to produce a suite of habitat suitability models for specific time periods based upon the presence of temporally-diagnostic artifacts (Figure 2). Using data layers associated with environmental variables, site locations, and others, the current suite of models (fourth iteration) provides a data-driven method that can be continually refined as we generate and test novel hypotheses on the forests. While a valuable addition to the management and protection of these important resources, the model is imperfect. Additional work is needed to test and refine the model through mitigating bias introduced through 30+ years of linear, block, and compartment-level surveys, achieved through shovel-testing a stratified random sample of up to 100 locations throughout the DCNF. With this test, that undertaking begins; however, to fully address survey bias, additional testing—beyond this initial effort—will be required.

The test for this suite of models was conducted as a double-blind survey since neither the United States Forest Service personnel (excepting Garcia) nor the participants were provided with any information regarding the model in advance of testing. Input from the model was shared with the crew the day after each location was tested (Figure 3). Enlistment of the double-blind survey method aids in reducing survey bias. Collection of data for this project begins with the stratified random sample. The sample consists of random locations throughout compartments of the DCNF.

Those locations not visited in the first test of the model (February 18-March 3, 2018) will be surveyed following the PIT project. To test the stratified random sample, a three-by-three grid of nine shovel tests was excavated at each location. Those resources discovered during the survey were assigned a forest-specific number, were documented, and the collections were subsequently transferred to the Center for Regional Heritage Research at Stephen F. Austin State University for analysis and processing.

Site Location Error

Site location error has been compounded by gradual improvements in the practice of documenting site locations; the addition and refinement of GPS locations in particular. Many previously recorded archaeological site locations on the DCNF are known to be problematic, warranting a site-relocation effort to reduce site location error, while simultaneously improving the decision-making capacity of Heritage personnel. Incremental shifts in survey methods have resulted in the assignment of numerous trinomials to larger sites that were not previously delineated. While some site locations are known to occur within five meters of the current coordinates, others are known to deviate between 60 and 100 meters (or duplicate recorded, but not delineated, sites), introducing additional error, and causing challenges for both the models and for ongoing site management.

Data Challenges

Among those challenges associated with creating the models has been the identification of deficiencies in the data. One of those deficiencies occurred in the stream (or blue-line) shapefile associated with the local waterways and drainages, which was off by up to 30 meters in some locations. To address this deficiency, a new stream shapefile was created using a digital elevation model coupled with the Strahler method to order the resulting stream layer. Another challenge is that the available digital elevation models capture the canopy of the forest; meaning that a freshly cut pine stand appears much lower in elevation than an adjacent mature stand. In late 2016, the Federal Emergency Management Agency (FEMA) collected Light Detection and Ranging (LiDAR) data for the Neches River basin. The NFGT negotiated a higher resolution for the Angelina, Davy Crockett, Sam Houston, and parts of the Sabine National Forests that would be covered by the survey. Bare-earth LiDAR will be incorporated into the DCNF model as soon as it becomes available.

Production of the DCNF model follows a recent systematic study of predictive modeling literature that enlisted scientometrics to identify communities of practice in research articles that used archaeological applications of predictive modeling or predictive modeling techniques (Figure 4). A similar network was constructed more recently that is focused on applications of the three R packages used to generate the DCNF models (Maxent, ENMeval, and ENMTools), and is not limited to archaeology. Both networks inform the continued development of the DCNF models and have aided in the iterative refinement of models produced for this research program.

The current iteration of the DCNF models holds significant potential beyond the development of a heuristic habitat suitability model. Using diagnostic artifacts, the models can be further parsed to investigate novel research questions. Might Archaic-era hunter-gatherer populations, for instance, have preferred a different suite of geographic and landscape-based site selection criteria than the horticulturalists and agriculturalists associated with Woodland and Caddo populations? There are diagnostic artifacts assumed to transcend the hunter-gatherer-to-horticulturalist or agriculturalist transition in East Texas (Kent and Gary dart points in particular) that are relatively abundant in the NFGT collections. In addition to the models, a geometric morphometric study is underway that asks whether the shape of Gary and Kent points differs at those sites where only lithics were recovered (assumed to date to the Archaic period) versus those where lithics and ceramics were recovered on the DCNF (assumed to date to the Woodland period), and a hunter-gatherer-to-horticulturalist or agriculturalist model would afford more depth to that discussion. The development and first test for this suite of models represents the beginning of a long-term research program on NFGT lands in Texas. Much work lies ahead, and we are excited about the many possibilities.

Acknowledgments. We would like to thank the many PIT volunteers for their help with testing this first iteration of the models. Production of the habitat suitability models for the Davy Crockett National Forest was funded by a grant to RZS from the United States Forest Service. The scientometric study of predictive modeling literature (Figure 4) was funded by a grant to RZS from the National Center for Preservation Technology and Training.

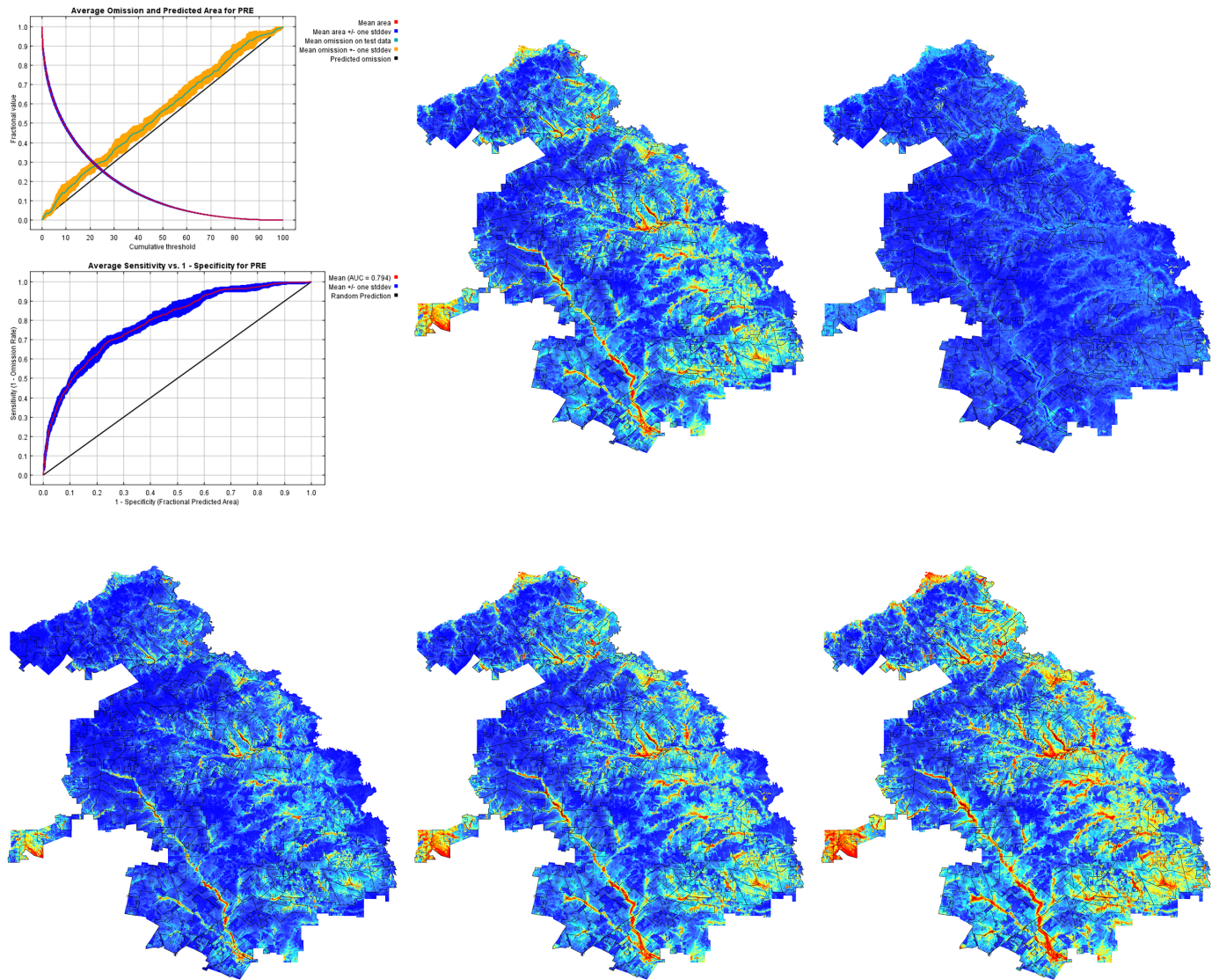


Figure 1. Current iteration of the prehistoric habitat suitability model for the DCNE. Rasters represent the average prehistoric habitat suitability model (top center), standard deviation (top right), minimum (bottom left), median (bottom center), and maximum (bottom right) extents of habitat suitability.

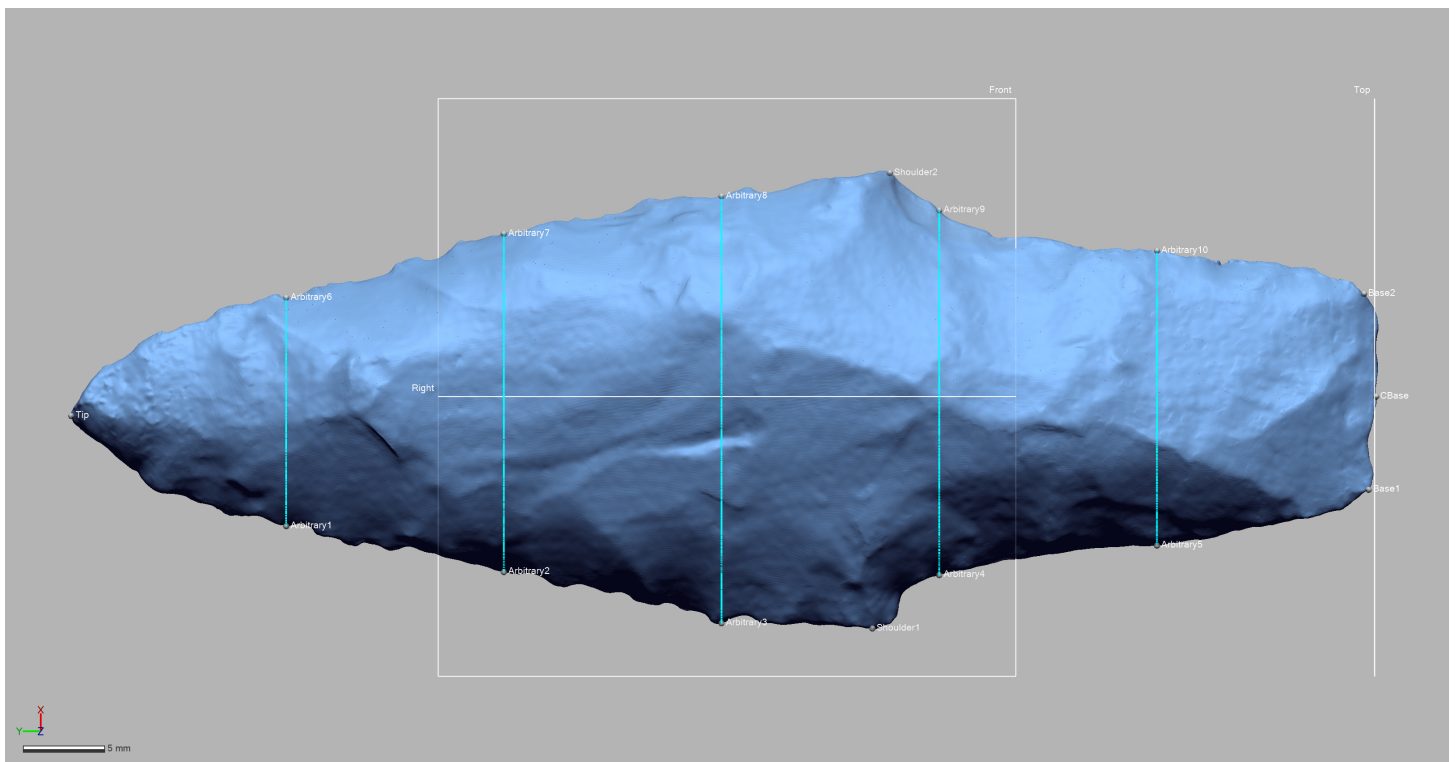


Figure 2. Screenshot of 3D mesh for a Pontchartrain dart point from the Davy Crockett National Forest (41HO54). This specimen is currently being used in a 3D scanning replicability study.



Figure 3. Volunteers discovered a previously unrecorded archaeological site during the first day of testing the new habitat suitability model.

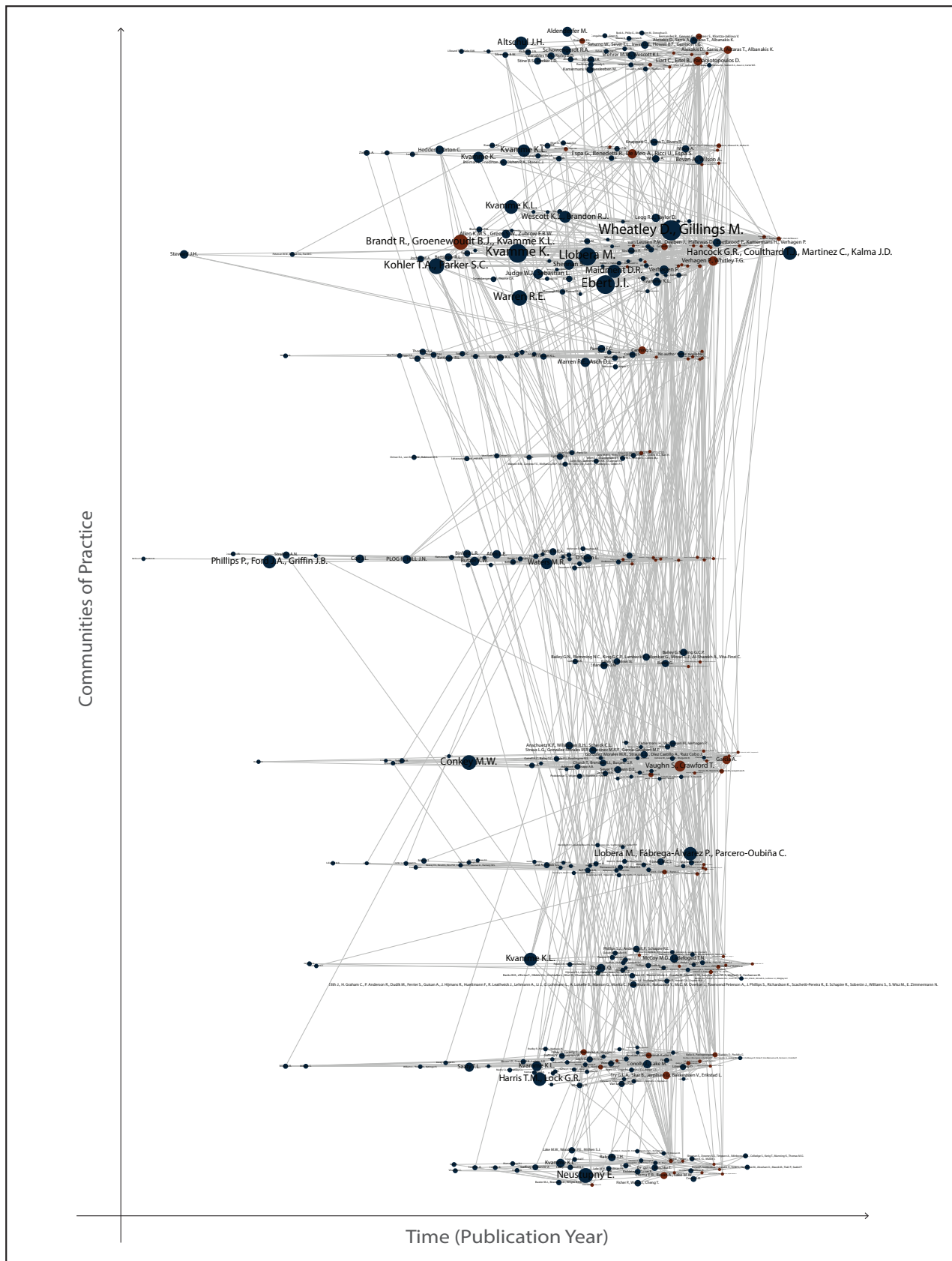


Figure 4. Communities of practice identified in the predictive modeling citation network.

Fall 2017 CTA Meeting Minutes

Registration - 8:30 am
Call to Order - 8:53 am

Announcements

None

Approval of Minutes, Spring 2017 Meeting:
Moved to approve, motion carried unopposed.

Motion to Accept Officers Reports
Moved to approve, motion carried unopposed.

Officers Reports

President (Jon Lohse): Welcome to bass pro shop. The CTA is on an upswing, thanks for being here. Today's events are posted in the newsletter. The second professional development session is Curation Part I, Part II will be in the Spring. Curation I will focus on the why and the policies of curation, some of which have changed recently. Curation II will not likely be part of the spring meeting but will be a long training involving actual collections, different facilities. 38 attendees registered so far for Curation Part I. Tonight at 8:30 pm will be the career social event in Heritage 7 and 8, we expect over 50 attendees.

President's Report:

How can we make CTA more attractive for field techs and students, which is the point of the social? We have 15 firms and agencies, thanks for sponsorship. Let's get the Spring meeting on the calendar, maybe April 5 and 6? We will have a Federal level equivalent to the THC training from last Spring, a USACE day-long session.

Pat passed out questionnaire, Questions about spring meeting? No.

Discussion on Committee clutter, website is clear-standing committees and special (ad hoc) committees. It's time to review the committees-

talking to Chairs, ad hoc committees could probably fade out. Survey standards to standards and guidelines, clear out ad hoc except History and Standards and Guidelines. Will vote to make latter standing during next meeting. Mary Jo mentioned President has authority to create and destroy ad hoc committees. Time to clean up website. What about bylaws committee? Not on website. Keep bylaws committee.

General thoughts: what you will hear today-good stuff about THC professional development training. How can we continue to make CTA more effective, add members, and track members. Questions? no

Vice President (Andi Burden): Harvey recovery efforts, testimony at legislature, House and Senate, SB 1630/HB3265, Section 711 regarding Health and Safety Code. We have 15 tables for career social this evening including 11 consulting firms-lot of local DFW firms, TPWD, THC, Texas State, CTA/TAS, and two donors who aren't tabling.

Mission: increase membership, discuss issues concerning to other archeologists, data from 2016 Bureau of Labor, number of anthro/arch, 6,470 in US, 66k a year.

Past President (Missi Green): Still available to support the Executive Committee

Secretary (Julie Shipp): Our current membership tally is 104 total members, with 15 students and 32 contractor listings. Membership is on a steady incline, so that is good. Haley has some great ideas outlined in her report regarding membership. Since we are winding down the year, we can start taking renewals for next year after the Fall Meeting. You are able to pay online via Square through the CTA website (www.counciloftexasarcheologists.org). You can also pay at the fall meeting if you are attending. Your renewal fees help us to pay for grants, scholarships, and meetings.

Treasurer (Maggie Moore): \$14k, \$9k in scholarship fund, on track to meet or exceed membership or contractor goals, we can afford to pay for our social, 2018 budget was aggressive, Change in rates-switching rates to PI, professional archaeologist, student, and retiree. Avocational “institutional” membership-allowed to attend CTA events but priority is given to full members, but good way to keep people active.

Website-Goals for 2018 are to revamp website, streamline membership payments and lists.

Newsletter Editor (Tina Nielsen): Remember to take pictures of the professional trainings, unfortunately we had none for the Antiquities Code training.

Agency Reports

Texas Historical Commission (Pat Mercado-Allinger): Etrack draft report submittal for project review is up and running, it’s awesome, please use it. Atlas is being upgraded, automated error report, include email addresses for questions. Steward Network symposium at 3p-stewards on projects they’ve undertaken, annual steward worship, use of conservation easements as preservation tool for landowners, buried shipwrecks and WWII wrecks.

(Casey Hanson)-Archeology Month, 110 events will be held in 51 communities. Mentioned TexPan initiative. There will be two recertifications-TARL and Denton County Courthouse on the Square, commission meeting to be held in early December.

(Brad Jones) Curation- two revisions. Modify rules with CTA recommendations for negative surveys and proposed revisions. 1. sec 26-17. Disposal “object” to state associated Collection-curation of photos and documents to create a legal way to divest ownership. 2. 26-26. PI responsibilities, alternative or negative-reference to curation guidelines, specific requirement to meet curation for negative surveys. CTA has to make actual

changes. Question from Jon Lohse- what’s the schedule? Pat responded-December.

Marine Arch-Technical publication for the LaBelle is in print, 2017 Keith Muggleroy University of Portsmouth, UK.

Texas preservation trust fund-project proposals-advisory board-\$248k, special emergency rounds of grants end of November deadline. Using funds now, so no more funds until 2019. Changes to 26 Rule, May 19 publish Texas register. No comments. Definitions of procedures relating to passage of senate bill. Transfer of permits and defaulted permits. Bill passed during regular sessions to expand commission members to 15. Three appointments from three disciplines including archaeology, architecture, and history. Budget is good re: historic sites and courthouse program but million dollar cut though so to be creative, not like 2011. THC among others are under sunset review, state agencies having legislation and operations reviewed. Personnel-Mark Denton retired. Bill Martin is now reviewing TxDOT projects, Casey is taking over Bexar County. THC is busy with Hurricane Harvey, 30-40 a day. Interviewing for archeologist review position.

Texas Parks and Wildlife Department (Michael Strut): Harvey aftermath, TPWD took a financial hit-state parks have \$30 million damage, Mustang Island and goose island-closed, Goliad parts still closed. 8,000 refugees in parks. FEMA restoring the parks, reimbursement 80/20. Mustang may come back as day use. Budget is intact. Devil’s River. Strategic planning-how can we do more high-tech stuff? John and Mike, changes in MOU with THC, before commission in December.

Jobs-two positions available. Austin-survey team lead, and Rockport review region two-new office! Site in El Paso County, using DStretch image enhancement to detect rock imagery that is not visible to the naked eye so that it can be protected.

Texas Department of Transportation (Scott Pletka): Changes related to TxDOT/THC MOU. Definition of PI-clarification of the role and recast PI to oversight, no specific required percentage of time in field (is currently 25% in field). TxDOT/THC to conduct outreach programmatically and remove requirement to do project-specific outreach to programmatic. Ex. Social Media-Facebook, Twitter, etc. Changes to Atlas with THC, project to add info to site records. Are sites still extant? Update site status? Formally go back I-35 corridor, El Paso. If sites not extant-let's get rid of them. Two-year project. RPFs-nothing coming up but there are a few project specific contracts in development. The rationale for this is that the work is a bit different than usual and needs specific expertise. What kind of teams can people build to solve special problems.

Overall TxDOT picture-also went through Sunset, but not focused on ENV. Plenty of work coming up. Outreach-poster, as part of TXPAN-available at table. Beta testing for Tech arch points maps for avocational. Arch GIS web service using mobile devices-photo of point you found, will show up at county level. For public to engage. NTT data overlords (IT). Provide comments www.txdgot.gov, search archeology, link to map, take survey. Demo here at conference.

Presentations coming up: Ringstaff-flintknapping demo Saturday 2-4, Scott hosting 10-12 sat traditional cultural properties.

Jon Lohse questions-PI time-I think 25% is good. Can CTA add their two cents? Comment through draft rules and MOU posted to Texas register before December-will let us know. Only affects TxDOT staff.

Texas Archeological Research laboratory (Mary Beth Tomka):

The University of Texas is investing in TARL with some relatively large one-time expenditures. Building 33 will soon have climate control early next year. There is a TARL Facebook page for

social outreach including a Twitter account and a blog. The UT Anthropology Department is making progress toward offering CRM training, but the extent of the involvement is still under negotiation. Jonathan offers student hires to help luddites with creating shapefiles for submission with site forms and announces new Friends of TARL program.

Standing Committee Reports

Auditing (Mark Denton): Committee has not met but will meet prior to the spring meeting. Nothing to report at this time.

Communications (Catherine Jalbert): Membership and EC- Improve appearance and theme of website, as well as functionality of website for members. Members only! Maybe things like CVs and upcoming trainings can be posted on members-only page. Support membership. Working on replacing yahoo groups with a more effective list serv. CTA is now on social media and is taking volunteers! Mary Jo says she will provide photographs.

Contractors List (Erin Phillips): 47 on contractors list. Membership begins on January 1st, not at Spring meeting. Early to mid-Jan to contractors, there is a grace period before contractors are removed. Reminder to please pay via Square and forward confirmation email to Erin. Check over your current listing and please email Erin what you want your blurb to say if you want it to change. 2018- working on streamline processes with Catherine via website, etc. Maggie mentions that the website says 2017 when you pay or 2018 so be sure to click on right year! Need an individual CTA membership associated with contractor list.

Curation (Marybeth Tomka): Complete policy overhaul. Should have something by April, 15 days before meeting in spring at least.

Governmental Affairs (Duane Peter-Federal): Administration is causing concern, ACRA-industry

taking additional stance by standing firm. BUT we have a number of congress that don't mind streamlining our resgt. 14-page list of bills. Some on reg env. Historic Preservation -Antiquities Act major focus, Ron Bishop is a problem, wrong direction. Colorado River tribes are enacting leg that will modify ARPA, want to see part that states that if tribes are interested, they can direct that the artifacts are reburied. Why? Work hours lobbyist for ACRA direct coalition for American heritage, talking to senator (CA) supporting this effort, need more info. Out west is area of concern. What is the motivation?

ENPA and NHPA could come under serious review, natural resources committee has had a hearing of NHPA, SHPO of Ohio was not such a star. Angry landowner was witness. Department of Interior talked about politics-bashing administration, wasted time, committee failed. Guy from Ohio would not say NHPA was broken and needed to be replaced. Committee is moving forward with change in regulatory climate, ACRA, SHA, AAA SAA -Coalition for American Heritage, mostly ACRA and SHA, 90% of funds for coalition, we needed additional voices-200 ACRA firms small number, call for action needs to reach thousands, needed numbers and funding, ACRA and SHA lobbying, and we needed more time, trying to be proactive. Meeting and offering to help with initiatives, SHPOs of those states, steered Wyoming senator changing the law for one mining activity is not going to change in anything. List of "proactive" suggestions. Use existing guidelines. FAST ACT.

Need digitation of data for US. Number of other initiatives, good suggestions, but they involve money and more federal or state employees, so not going to happen. SAA has their own lobbyist, not really contribution to coalition, republican oriented lobbying. Working with them. Coalition committee meets regularly via telephone to talk about tissues. Every agency has mandate to streamline. Inundate with response request. USACE Appendix C, ACRA has own letter-that's crap. Webinar on advocacy-letter to Congress,

reach out to constituency, educate, so when its time, we can respond with thousands. Individuals can join coalition for free.

(Nesta Anderson-State): Mary Jo recommends that CTA donates \$1000 to join coalition. We had a meeting and voted yes to make donation, if we can afford it. will discuss in new business. State-revision to Health and Safety Code, there is an email. New category of cemetery-unverified-some evidence of internment but unmarked graves have not been verified. Graves in unmarked cemetery no longer need permits. May not be reburied in county, with THC and land owner consent. Person who finds cemetery has to file notice with THC and landowner, has 30 days. THC will evaluate and with landowner's response and then THC will notify landowner. French Legation DRT to THC will be 15 commissioners. Twitter account. THC will not have capacity to verify every cemetery.

Rachel Feit-If you think you have a cemetery, how do you know? Nesta- Use a mixture of evidence - deed map and iris, or combo of info. Rachel-is it required? what if you see on map but not sure? No. What circumstances? Not required.

Multicultural (Mary Jo Galindo): States to membership that we donate \$2,000 to the TAS multicultural committee. The Native America field school scholarship funds 17 people from three tribes. Lipan Apache 15 folks, San Lorenzo which was Lipan Apache mission. Thanks for the support.

Nominations (Bill Martin): Still serving.

Public Education (David O. Brown): Spring for canvassing, awareness of work statewide that shows good examples of public outreach. TXPAN update coming soon. OR now-Scott-panel discussion, agencies to form TXPAN. Ways to pool resources to promote archaeology. Meeting tomorrow at 1pm. Casey-TAS is maybe home? Scott-maybe. Erin-FPAN good example?

Casey Hanson-OK model, or nobody gets paid, less formal. Agencies are willing to fund things. Poster. Duane-critical issue. How to convey to public? ACRA looking seriously at this issue. Recent workshop with academics didn't understand what it would take. Steve Tomka-academics only focused on school. CRM folks have to stand up and do public outreach.

Special Committee Reports

Academic Archeology and CRM (just dissolved): Steve Black Texas State presenting and table at social, looking for graduate students. Final crop for Steve. Some of us at Texas State have interest in CRM. PhD program in applied anthropology is before the board and will be voted in December or May. Program will require master's degree. Short 3-5 year program with funding.

Standards and Guidelines Committee (Doug): Initial discussion about how committee will function. Jon-RFP out of SA involving a battlefield, metal detecting is best approach, sponsors need to know this.

Membership (Haley Rush): Value to CTA membership-good workshops, various things to website-more interactive. Need social Media volunteers. Haley is stepping down.

Old Business:

Still working on curation policy on no finds, changes to chapter 26.

New Business:

Bill's role expires, need to be re-nominated. Coalition for American Heritage. Topic-CTA to make donation of \$1000. Recommendation from committee, EC talked about it can make amendments to 2017 budget, we have funds since only 3 of 5 TAM grants were awarded. Mary Jo-amend and double it to \$2,000. Duane, yes, all money please. HeritageCoalition.org.

Mike Strut-messages to listserv. Can we get on listserv as a group? Andi-will use gmail.com for messaging current 2017 members. Continued contribution to Coalition? No, vote each year. Amend motion from \$1000 to \$2000. Voted and approved.

Any other new business? None.

Meeting Adjourned at 11:02 pm.

3/23/2018

Proposed 2019 Budget

Category/Budget Item	2017 Actual			2018 Budgeted			Proposed 2019 Budget			% of 2019 Inc.	EXPENSES			% of 2019 Exp.	2019 Balance
	No	Amt		No.	Amt		No.	Amt			2017 Actual	2018 Budgeted	Proposed 2019 Budget		
Memberships															
Principal Investigator (\$45)	180	\$ 4,898.00		150	\$ 4,800.00		170	\$ 5,550.00	37%						\$ 5,550.00
Professional Archeologist (\$30)		\$ 4,662.00		35	\$ 1,575.00		50	\$ 2,250.00	15%						\$ 2,250.00
Student/retiree (voting) (\$15)		\$ 236.00		100	\$ 3,000.00		100	\$ 3,000.00	20%						\$ 3,000.00
Institutional (non-voting) (\$15)				15	\$ 225.00		20	\$ 300.00	2%						\$ 300.00
				0	\$ -		0	\$ -	0%						\$ -
Contractor Listing Fees (\$150)															
	48	\$ 6,509.00		50	\$ 7,500.00		50	\$ 7,500.00	50%						\$ 7,500.00
Bank Interest															
Checking Interest		\$ 7.11			\$ 6.50			\$ 7.00	0%						\$ 7.00
Money Market Interest		\$ 1.55			\$ 1.00			\$ 1.50	0%						\$ 1.50
Scholarship Fund Interest		\$ 3.77			\$ 3.75			\$ 3.75	0%						\$ 3.75
		\$ 1.79			\$ 1.75			\$ 1.75	0%						\$ 1.75
General Expenditures															
Square fees										\$ 417.91	\$ 2,577.70	\$ 1,300.00			\$ (1,300.00)
Misc. Expenses										\$ 385.67	\$ 477.70	\$ 500.00			\$ (500.00)
Digital Management										\$ 32.24	\$ 100.00	\$ 50.00			\$ (50.00)
										\$ -	\$ 2,000.00	\$ 750.00			\$ (750.00)
Committee Expenses															
										\$ -	\$ 1,500.00	\$ 1,000.00			\$ (1,000.00)
Donations															
CTA Scholarships		\$ 100.00			\$ -			\$ -	0%	\$ 10,800.00	\$ 9,800.00	\$ 8,000.00			\$ (8,000.00)
TAAAM Event Grants		\$ 100.00			\$ -			\$ -	0%	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00			\$ (2,400.00)
Archeological Conservancy										\$ 1,500.00	\$ 2,500.00	\$ 2,000.00			\$ (2,000.00)
Texas Beyond History										\$ 500.00	\$ 500.00	\$ -			\$ -
TAS Research Support Fund										\$ 2,000.00	\$ 2,000.00	\$ 1,800.00			\$ (1,800.00)
TAS Multicultural Program										\$ 300.00	\$ 300.00	\$ -			\$ -
Other (CAH in 2017)										\$ 2,100.00	\$ 2,100.00	\$ 1,800.00			\$ (1,800.00)
										\$ 2,000.00	\$ -	\$ -			\$ -
Events															
Spring CTA Social		\$ 2,500.00		10	\$ 2,000.00		10	\$ 2,000.00	13%	\$ 2,757.66	\$ 3,000.00	\$ 3,100.00			\$ (1,100.00)
Fall CTA Career Social (\$200)		\$ -			\$ -			\$ -	0%	\$ 912.00	\$ 1,000.00	\$ 1,100.00			\$ (1,100.00)
		\$ 2,500.00		10	\$ 2,000.00		10	\$ 2,000.00	13%	\$ 1,845.66	\$ 2,000.00	\$ 2,000.00			\$ -
Professional Development & Public Outreach															
										\$ 571.14	\$ 1,000.00	\$ 1,500.00			\$ (1,500.00)
Total Budget		\$ 14,014.11			\$ 14,306.50			\$ 15,057.00		\$ 14,546.71	\$ 17,877.70	\$ 14,900.00			\$ 157.00

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Public Education *
David O. Brown
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Standards and Guidelines
Jodi Jacobson
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*Indicates a Standing Committee

Committees

Auditing *
Mark Denton
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Communications *
Catherine Jalbert
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Contractor's List *
Erin Phillips
ephillips@coastalenv.com



2018 Membership and Renewal Form

Are you a new member or are you renewing your membership?

- NEW Member
- RENEWAL (please provide address, if different)

Membership Category (based on calendar year, January-December):

- Company/Contractor Listing \$150.00
(Company listing also requires one of the following professional categories)
- Contractor listing late fee (assessed after Spring Meeting)** \$16.00
- Principal Investigator \$45.00
- Professional Archeologist \$30.00
- Student/Retiree \$15.00
- Institutional \$15.00
- Donation \$_____

Total amount: \$_____
(Please make cheques payable to the Council of Texas Archeologists)

Name (please print): _____

Company/Institution (if applicable): _____

Address: _____

City, State, and Zip: _____

Email: _____

RETURN THIS FORM AND PAYMENT TO:
 Council of Texas Archeologists
 c/o Julie Shipp
 aci consulting
 1001 Mopac Circle
 Austin, TX 78746

**For additional information or questions, please contact the following:
 jshipp@aci-group.net or counciloftexasarcheologists@gmail.com**

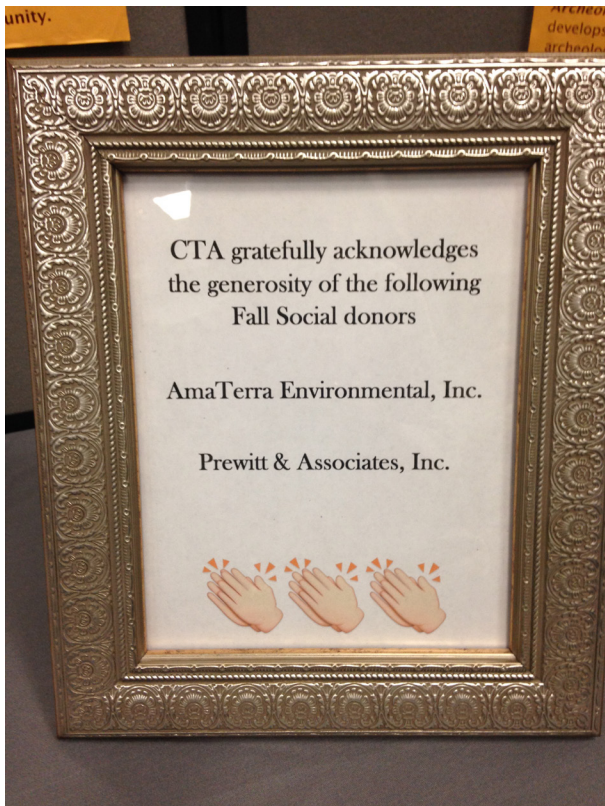
CTA Photo Page



Curation Training Part I Instructors from left: Marybeth Tomka (TARL), Maggie Moore (Atkins Global), and Brad Jones (THC).



Attendees of Curation Training Part I held in Grapevine, TX last fall during the TAS annual meeting.



Fall Social Donors AmaTerra and Prewitt & Associates. Thank You!!



Overview of festivities at the fall social.

CTA Photo Page



Texas State University table at the CTA Career social (from left: Dr. David Kilby, Dr. Carolyn Boyd, and Dr. Steve Black).



Texas Historical Commission table at the CTA Career social (from left: David Camarena, Jenny McWilliams, Casey Hanson, Sarah Linden, and Becky Shelton).



Michael Strutt busy manning the Texas Parks and Wildlife Booth.