



October 15th 2015 Meeting Program

“A Precise Chronology of Middle to Late Holocene Bison Exploitation in the Far Southern Great Plains” – Dr. Jon Lohse



Archeologist Dr. Jon C. Lohse will present a program on his recent studies into the presence of bison in parts of Texas during prehistoric times at the Thursday, October 15th, 2015 meeting of the Houston Archeological Society. The meeting will begin at 7:00 p.m. at MD Anderson Hall, University of St. Thomas and is free of charge and open to the public.

As a top-ranked food resource, bison would have been very important for hunter-gatherers across the area. Recent studies of the presence of bison in parts of Texas during prehistoric times have produced a fairly precise, reliable chronology for this animal. This study has involved directly dating bison remains, rather than dating them through their association with other materials, using techniques that help ensure the reliability of dates based on bone collagen. So far, about 65 samples have been dated. As such, this chronology has important implications for other aspects of culture change. Also, stable carbon and nitrogen isotopes from each sample are useful for reconstructing climatic conditions during intervals of bison presence.

Dr. Lohse, Principal Investigator for Coastal Environments, Inc. in Houston, received his Ph.D. in archaeology from The University of Texas at Austin in 2001. He has conducted multidisciplinary fieldwork in Texas, Belize, and Guatemala and has an upcoming project in Oaxaca, Mexico. His primary interests include prehistoric cultural adaptations, archaeological chronology, environmental archaeology, and Archaic and Paleoindian research in Central America. Jon lives in Houston with his wife, also an archaeologist, and two children.



For a campus map of St. Thomas University, go to www.stthom.edu and look for the Interactive Map, Building 20, Anderson Hall. Street parking is available as well as paid parking (\$5) in Moran Center Garage at the corner of West Alabama and Graustark. For more information about this program or about the HAS, please contact lindagorski@cs.com.



President's Message

HAS Members and Friends –

As all of you know the Houston Archeological Society is one of the regional sponsors of the 86th Annual Texas Archeological Society Meeting coming up here in Houston at the Omni Hotel on the West Side (Eldridge and I-10) on October 23 – 25. This is the annual gathering of the archeological clan in Texas and for the first time in 15 years Houston is hosting the event. I am proud to announce that not only are we putting on the meeting, but many of our members are also giving papers and presentations – and we'd love to have you attend to support them! To register for the meeting go to our website at www.txhas.org and click on the red "TAS 86th Annual meeting" banner on the front page.

Friday, October 23rd, 2015

- 3:00 PM **Artifacts from the 1847 Kellum Noble House in Houston Provide a Glimpse Of Its Illustrious Past** – Beth Aucoin
- 3:20PM **Digging up (and Passing on) Texas History – One Trowel Full at a Time: The Houston Archeological Society's Educational and Public Outreach Programs** – Sharon Menegaz and Linda Gorski
- 3:40PM **How a Collection Becomes a TAS Field School** – W. Sue Gross
- 4:00PM **Ghosts On the Mudflats: Artifacts from the Lost Townsite of San Jacinto** – Linda Gorski and Larry Golden

The **Second Annual TAS Book Festival** sponsored by the Journal of Texas Archeology and History will also feature book signings by HAS members on Friday, October 23, 2015.

- 1:00PM – 1:50PM Douglas Mangum & Roger Moore
"The Archaeology of Engagement: Conflict and Revolution in the United States"
- 2:00PM – 2:50PM Wilson "Dub" Crook
"The Late Prehistoric of the East Fork: A Redefinition of Cultural Concepts along the East Fork of the Trinity River, North Central Texas"

On **Saturday, October 24, 2015**, more HAS members will present papers and posters including

- 8:00AM Poster Session - **A Search for the Henderson Yoakum House Using Historical Documents and Geophysical Survey** - Bryan S. Haley and Douglas G. Mangum.
- 8:20AM **Cultural Resource Subsurface Survey and Archeological Monitoring of the Nau Center for Texas Cultural Heritage, Houston, Harris County, Texas** – Eleanor Stoddart
- 9:00AM **Canister and Grape: Artillery Related Artifacts from the San Jacinto Battleground** – Douglas G. Mangum
- 9:00AM **The Timber Fawn Clovis Site, Kingwood, Harris County, Texas** - Wilson W. "Dub" Crook, III
- 10:00AM **The San Felipe de Austin Heritage Learning Project: Educational Partnerships and Public Archeology at the Birthplace of Texas** – Jon C. Lohse, Carol Salva, and Brett Cruse
- 11:20AM **Oh the Weather Outside was Frightful, but the Margarita Company was so Delightful: A Report on the 2015 TAS Field School** – Jason W. Barrett

HAS members Dr. Jason W. Barrett and Dr. August Costa did an amazing job of putting together the program for this meeting -- a record breaking 106 papers, presentations and posters!!! For a complete list of programs see the HAS website at <http://www.txhas.org/PDF/TAM%202015/SESSION%20SCHEDULE%20-%20FINAL.pdf>

See more information about this 86th Annual TAS meeting elsewhere in this newsletter. We still need volunteers for this meeting – please email me at lindagorski@cs.com if you can help

Linda Gorski, President Houston Archeological Society

Minutes

Houston Archeological Society Membership Meeting

September 17th, 2015

Welcome everyone - Linda Gorski

Linda welcomed new members and guests. A total of 61 members and guests were signed in.

Treasurers Report - Tom Nuckols

Checking Account - \$8819.55

Savings Account – \$11490.65

Membership - Bob Sewell

We have 176 members, including those that joined at the meeting. Membership forms at back. All new and renewing members get a bumper sticker and a copy of the newest HAS Report and Journal.

New Business

Nominating Committee – Sharon Menegaz introduced the nominees for Board. They were Linda Gorski (President), Louis Aulbach (Vice President), Bob Sewell (Secretary), Tom Nuckols (Treasurer) and Larry Golden (Director-at-Large). There were no other nominations. The nominees were duly elected as Board members for 2015/2016.

Annual Awards – Linda Gorski

Linda Gorski announced the HAS awards for 2015.

Southeast Texas Archeological Research Awards for outstanding contributions to historical research in 2015 – Beth Aucoin, Charlie Gordy and Tracy Connell.

Merit Award For service as Webmaster, Newsletter Editor, And Secretary of the HAS Board – Bob Sewell.

President's MVP Award – Tom Williams For his willingness to go above and beyond the call of duty to build and repair screens and other equipment for the Houston Archeological society during our recent field projects and for his talent in developing logos, brochures, signs, banners, nametags, and other marketing tools for the society.

86th Annual TAS Meeting – Linda Gorski – Most important archeological meeting in Texas of the year. Need volunteers. Dr. Jason Barrett reported that he had received 106 papers and posters.

Lab Report – Next lab is Monday, September 28, for a mini workshop on Fish Zooarchaeology led by Rice University Postdoc researcher Dr. Eren Quintana Morales.

Projects

Cotton Field Site – Saturday and Sunday, September 26 and 27 – Tait Huffmeyer Ranch, Columbus, Texas. Dr. Barrett reported on the intended activities for the next site visit.

PALEO Dig

John Rich reported on the efforts to remove a mammoth tusk from the site. Further work now suspended until after hunting season.

Program for September - Ryan Baker, CEO of Arch Aerial LLC, a company that builds and operates multirotor UAS (unmanned aerial systems) for professional surveying in tough environments. Since implementing the use of drones at archaeological excavations, Arch Aerial Unmanned Aerial Systems have been adopted by production companies, vineyard owners, geologists, realtors, and sports coaches.

Program for October - Dr. Jon Lohse will present a program on his recent studies into the presence of bison in parts of Texas during prehistoric times

After the meeting members and guests gathered for a social with refreshments brought by many of our members.

The next HAS meeting is scheduled for Thursday, October 15th, 2015.

Bob Sewell, Secretary Houston Archeological Society

ELECTION OF NEW BOARD OF DIRECTORS FOR 2015/2016

At the September 17th, 2015 Annual General Meeting of the Houston Archeological Society, members voted on a new HAS Board for 2015-1016. In case you missed the meeting, here's your new leadership team: Linda Gorski, President; Louis Aulbach, Vice President; Bob Sewell, Secretary; Tom Nuckols, Treasurer and three Board Members at Large – Kathleen Hughes, Mike Woods and our newest member Larry Golden. You'll notice some familiar names on that Board and I know I speak for all of us when I sincerely thank you for putting your confidence in us once again! A good Society is only as good as its members and you all are the BEST!



HAS 2015/2016 Board of Directors: From left, Bob Sewell - Secretary, Tom Nuckols - Treasurer, Linda Gorski - President, Louis Aulbach - Vice President, and Mike Woods - Director, Larry Golden (inset left) - Director and Kathleen Hughes (inset right) - Director

I'm delighted to announce that as of right now we are almost 190 members strong! Way to go! We will begin our membership drive for 2016 in another month and hope each and every one of you will renew your memberships! There's a lot coming up in 2016 that you will want to be part of.

- Linda Gorski, President

HAS Awards for 2015

Five very deserving HAS members received awards at the society's Annual General Meeting on September 17.

The Southeast Texas Research Award for Outstanding Contributions to Historical Research was actually presented to three members this year including Beth Aucoin, Charlie Gordy and Tracy Connell. After the conclusion of the very successful Kellum Noble Emergency Salvage Archeology Project that the society conducted from December 2014 – March 2015, this amazing team cleaned, catalogued, researched, documented and photographed - to Texas Historical Commission standards - all 10,283 artifacts that were recovered during the project! They also put together an incredible exhibit that included eleven showcases of labeled artifacts for a special lecture that HAS presented for the Heritage Society on August 26. Way to go, team!



Bob Sewell (pictured left) received the annual Merit Award for his outstanding contributions to the Houston Archeological Society for 2015. Bob is not only the HAS Board secretary, he also puts out the HAS Newsletter *'The Profile'*, each and every month and is also our webmaster, updating our website (www.txhas.org) almost daily! Bob is also serving as treasurer and registrar for the 86th Annual Texas Archeological Society meeting! England's loss is our gain – we are delighted to have this British ex-pat on our side!!!

HAS President Linda Gorski also presented a special “Most Valuable Player” award to Tom Williams (pictured right) for his willingness to go above and beyond the call of duty for the Society. Tom, as many of you know, is a man of many talents. He has built most of the HAS

screens and has kept them repaired during our recent field projects including Dimond Knoll and Kellum Noble! Those screens took a beating every weekend but thanks to Tom they were always ready for the next load of dirt! Tom also develops our HAS logos, brochures, signs, banners, nametags, bumper stickers and other marketing tools. Thanks to Tom we are able to project a professional image in all our public outreach opportunities.



The next time you see these five special folks, give them a pat on the back for a job well done!

- Linda Gorski

86th Annual Texas Archeological Society Meeting, October 23 – 25, 2015 Omni Hotel-Westside, Houston, Texas

The Houston Archeological Society is one of the main regional organizers of this important annual event that will bring 350 of the top professional and avocational archeologists in the State of Texas to Houston for workshops, papers, symposia and posters on archeological and historical subjects starting on Friday afternoon, October 23, and continuing all day Saturday, October 24. This event is sponsored by Silver Eagle Distributors. The event features:

*106 academic papers, presentations, posters and symposia by archeologists from across the State. See <http://www.txhas.org/PDF/TAM%202015/SESSION%20SCHEDULE%20-%20FINAL.pdf> for a complete schedule of programs and abstracts.

*Trans Rio-Bravo/Rio Grande International Research Collaborations Symposium and Panel Discussion with archeologists from Mexico and the border communities in Texas. For complete information see <http://www.txhas.org/PDF/TAM%202015/International%20Research%20Collaboration%20Symposium%20PR%20Materials.pdf>.

*The Second Annual TAS Book Festival sponsored by the Journal of Texas Archeology and History brings world-renowned authors to Houston. Schedule of authors and book signings can be found at <http://www.txhas.org/PDF/TAM%202015/Annual%20Meeting%20Book%20Festival%20PR%20Materials.pdf>

*Silent Auction and raffle. See http://www.txhas.org/tas_annual_meeting_2015_silent_auction.html for a preview of items. To donate items contact Silent Auction Chairman suegbobs@comcast.net

*Friday night Public Forum (free of charge and open to public and sponsored in part by a grant from Humanities Texas, the state affiliate of the National Endowment for the Humanities) will feature a presentation by Marilyn Johnson, author of the best-selling book *Lives in Ruins: Archeologists and the Seductive Lure of Human Rubble*. http://www.txhas.org/tas_annual_meeting_2015_public_forum.html

*Saturday night banquet featuring Dr. Jean Clottes, who will present a program on **Rock Art and Tribal Art in India**. See http://www.txhas.org/tas_annual_meeting_2015_banquet.html

*Online and mail in registration forms at http://www.txhas.org/tas_annual_meeting_2015_main.html and click on registration forms. The deadline for online registration is midnight Friday, October 16th, 2015. The online PDF will remain available to copy, complete, and bring to the meeting. Mailed in registration forms should be postmarked October 16th, 2015 also. Late registration fees will be charged after October 5th, 2015. After that date, all fees in the table below except Speaker Only will increase by \$10.00; Speaker Only fees will increase \$5.00. If you are registering by mail, your forms must be postmarked by October 16th. Lunch and Banquet options must be ordered and paid for by October 16th. If you have any questions please contact Linda Gorski, Co-Chairman, 86th Annual Texas Archeological Society Annual Meeting at lindagorski@cs.com

SAN JACINTO TOWNSITE ARTIFACTS

Federal Sword Belt Plates

Two Federal Sword Belt Plates, that were once barnacle encrusted, were recovered from the mud flats of the San Jacinto town site.



This style belt plate was approved under the Federal Regulation of 1851 and was worn by officers carrying swords and enlisted cavalry. These plates were manufactured from the 1850's to the end of the Civil War, and the largest production was made for cavalry use in the 1864 campaigns. The plates were made under Federal contracts although some private contractors offered special officer patterns that could be ordered from catalogs.

These plates came in many different variants and were made of cast brass with the applied silver wreaths soldered in three places. Most excavated plates have their wreaths missing, as do these. Both plates measure approximately 53mm x 82 mm.

The top plate (right photo) is back stamped "US / ALLEGHENY / ARSENAL" (Ref. O'Donnell & Campbell, Plate 614) and appears to have initials "P M S" scratched in the back. The Allegheny Arsenal was destroyed by fire in 1862. The lower plate is not marked, has additional rays and a different wreath placement (Ref. O'Donnell & Campbell, Plate 624).

These buckles along with many other artifacts recovered from the San Jacinto Townsite mudflats will be on display at the Sam Houston Memorial Museum in Huntsville, Texas, for one night only on October 6 when HAS Board Member Larry Golden, owner of the collection and HAS President Linda Gorski present a program for Texas Archeology Month. The exhibit Reception begins at 6 p.m. and the presentation starts at 7:00 p.m. in the Katy & E. Don Walker Sr. Education Center at 1402 – 19th Street, Huntsville, Texas. Admission is free of charge. See complete details about the exhibit and presentation elsewhere in this newsletter.

- Larry Golden

Fish Zooarcheology Topic of HAS September 28th Lab

One of our newest HAS members, Eréndira (Eren) M. Quintana Morales, a postdoctoral fellow at Rice University, presented a terrific workshop on fish zooarcheology and fish osteology at the HAS lab at Rice University on September 28th. I think we set a new record for the number of folks attending - nineteen HAS members and Rice students showed up for the workshop. Eren broke her presentation down into three basic sections.

1. What are fish? Fish come in all shapes and sizes: from tiny anchovies to great white sharks, elongated eels to flattened rays. The she gave a quick review of the key characteristics that define this diverse group.

2. Why study fish? Fishing is a major economic strategy around world in the past and present. She presented a brief overview of what we can learn from analyzing fish remains collected at archaeological sites, including seasonality, diet, and technology.

3. How to identify fish? Using actual fish skeletons Eren explained that the typical fish skeleton is made up of many interestingly shaped bones from head to tail fin. In this major component of the lab, we looked at the most common fish bones found in archaeological sites that can be used to identify species.

The lab was so popular and so interesting we may have Eren come back to present a Part II. In the meantime, here are some photos of the class.



Eren teaches the class



Examples of fish bones

News Flash: There will be no HAS labs at Rice University in October due to the many activities HAS members will be participating in during Texas Archeology Month. Our lab director, Dr. August Costa, will notify us when he schedules the next lab at Rice

Next Work Weekend at Cotton Field November 14 and 15

As most of you know, we are continuing work at the Cotton Field site at the Tait Huffmeyer Ranch in Columbus, Texas, that we began during TAS Field School in 2014 and continued in 2015. The Cotton Field site, located in Colorado County, offers the ideal conditions for studying the Late Prehistoric period, spanning both the Austin phase (ca. 700AD - 1200AD) and the subsequent Toyah phase (1150AD - 1500AD) in Texas. Thanks to our landowners, Rita Tait Jackson and Ed Jackson, we are continuing our excavations under the direction of HAS member and Field School PI, Dr. Jason W. Barrett.

Our latest field work took place this past weekend, September 26 and 27 and I can tell you right now that the weather was beautiful – especially Sunday! Ideal conditions! We had a great turnout both days and excavated in five separate units. Thanks to everyone who came out! Below are some photos to whet your appetite to come and join us! We've also added a Cotton Field photo album to our HAS website at http://www.txhas.org/cottonfield_bulletins.html



John Rich pedestalling features in his unit



Catherine Jalbert and Jason Barrett working on a unit



This point was identified as an Edgewood

If you want to receive regular bulletins and emails about future work dates for the Cotton Field site email me back at lindagorski@cs.com and I will put you on my special Cotton Field email list. Hope to see you on Saturday and Sunday, November 14 and 15.

- Linda Gorski

Texas Archeology Month

The Sam Houston Memorial Museum
invites the public to join us for a presentation:

San Jacinto Town Site

Artifacts from the Larry Golden Collection (1832-1915)

Tuesday, October 6, 2015

Exhibit Reception 6:00 p.m.

Presentation 7:00 p.m.

Katy & E. Don Walker, Sr. Education Center

1402 19th Street, Huntsville, Texas

Free Admission

The San Jacinto Town Site was located at Lynch's Ferry near the San Jacinto Battleground. The town was established in the 1820's and demolished in the 1900 hurricane. The site was part of an escape route used by Texians involved in the Runaway Scrape as well as a Civil War armament site. Linda Gorski, President of the Houston Archeological Society, and Larry Golden, owner of the collection, will be discussing the history of the town and the incredible artifacts, dating from the 1840's to 1900, that have been discovered, including clay pipes, jewelry, bottles, and buttons. A special one night exhibit of artifacts from the Golden Collection will be on display.



Clay Pipes



Hair Ornament

For more information contact Sandra Rogers at 936-661-9882.

www.samhoustonmemorialmuseum.com

Sam Houston State University

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Lake Somerville Survey: A Report by John Rich

Due to recent heavy rains and flooding, Lake Somerville State Park has been closed to the public. Before re-opening the park, Texas Parks and Wildlife (TPWD) needed to conduct an archeological survey and site assessment to check for exposed diagnostics or other artifacts that might be attractive to collectors, inspect previously recorded archeological sites for flood related damage, and locate any newly exposed sites.

The survey was organized by TPWD Regional archeologist Ruth Mathews, and consisted of TPWD archeologists, THC Stewards, HAS members, TPWD park personnel, a UT Austin graduate, and U of H graduate students. Four teams were formed, with each team consisting of one or two state archeologists, and two to three volunteers. Each team had a Trimble GPS unit containing the park trails and all known archeological sites. Our mission was to survey those previously recorded sites, as well as look for any new sites that might now appear.

My team, Team 2, consisted of two TPWD survey team archeologists from Austin and three volunteers; myself, a U of H physical anthropology student, in case we encountered any exposed human remains, and a TPWD park ranger from San Jacinto Battleground State Historic Site. Other HAS members present included Sandra Rogers, Kristin Jøsvoll, and Catherine Jalbert.

Day 1 targeted the Birch Creek Unit shoreline. Three teams covered an assigned section of the shore while a fourth team investigated the trail system in the park. Temperature was 100°, and the hiking was tough, with soft sand, mud, dense brush and not much shade. By the end of the day 8 people had mild to moderate heat exhaustion and were brought in early. We covered our assigned sector, and found the many known sites, and recorded one new site with lithic debitage. In many cases the previously known sites were just a single data point on the GPS, and we took the time to delineate the extent of the site to improve the data. They also had a copy of the original 1964 archeological survey, so that the trinomial site number on the GPS could be looked up in the report to see what to expect.



Park staff supported the teams very efficiently. They cached coolers of ice water at midpoints in our sectors, so we could refresh ourselves, and recharge our water bottles. They also shuttled vehicles to team end points, so that teams could drive themselves out when done. Each team had a radio for contact with Ruth, to keep up with progress and ask questions. Excellent organization!



On Day 2, the lakefront having been covered, we switched to trail hiking. Slightly lower temperatures, and lots of shade in the trees. Old sites were located, and one new site was noted. These sites consisted only of lithic debitage such as flakes and cores, but nothing more. About 2:00 pm a nasty thunderstorm moved in, and the rest of the day was called off due to lightning.

Day 3 had us back on the trails again on the other side of the lake. Nothing worthy of note was found here either, but we did see lots of critters, like a snake, wild pigs, nutria, fish, armadillos and birds. At one point I was close enough to an armadillo to kick him lightly in the behind, and boy was he surprised!



All in all, a good three days with nature, chatting with awesome people, but there were no exciting artifacts found by our team, either historic or prehistoric. Some of the other teams did find three more new sites, two projectile points, a preform, a biface, a palm wood core, and a handful of diagnostic historic materials. Two instances of collector activity were documented on two known prehistoric sites. One was two large looters holes and the other was footprints coming in from and returning to the shoreline, suggesting they accessed the site by boat. Much more prehistoric material would have been seen, but the lake level was still 4 feet above the normal lake level.

This is but one step which TPWD is doing before re-opening the park to the public.

Houston Archeological Society
Monthly Meeting Programs for 2015/2016
7:00pm Third Thursday of every month (except June)
M. D. Anderson Hall, St. Thomas University

November 19 – Dr. Charles A. Stewart – The Archaeological Ghosts of Gothic Famagusta. In this presentation, Dr. Stewart, will describe the growth of Famagusta, which remains one of the best preserved “Gothic cities” in the world. He will specifically share his archaeological investigations of the cathedral called “Saint-George of the Greeks” and how it was transformed from a humble Byzantine church to a grand French-style Gothic Cathedral.

December 17 – HAS president Linda Gorski will present an overview of HAS activities in 2015 with a focus on the enormously successful emergency salvage archeology project at the Kellum Noble House as well as ongoing work at San Jacinto, San Felipe de Austin and other sites in southeast Texas.

January 21, 2016 – Wilson W. “Dub” Crook - Kingwood’s First Inhabitants: The Timber Fawn Clovis Site (41HR1165). In November, 2014, HAS member Lenore Psencik was walking through new house construction in the Rivergrove sub-division of Kingwood when she noticed a complete Clovis blade sticking out of a fresh spoil dump. Her discovery led to a salvage archeological effort by HAS members which ultimately recovered a total of 24 diagnostic Clovis artifacts, including the bases of two Clovis points and parts of eight blades. The discovery marks the first Clovis occupation in Harris County (other than isolated finds of points). XRF analysis shows that many of the chert artifacts originated in the Edwards Plateau region near the famous Gault site, thus showing the possibility that Timber Fawn and Gault are related.

February 18, 2016 - Brad Jones – “Gifts for the Indians: French and Spanish Trade Goods on the Texas Coast in the 1680s”. Brad Jones, archeologist with the Texas Historical Commissions Archeology Division will present a program highlighting La Salle’s 1684 expedition to establish a French settlement on the Mississippi River which unexpectedly resulted in one of the first prolonged engagements between Native American and European peoples in the Texas Gulf region.

All **Houston Archeological Society** meetings are free of charge and open to the public. For more information about HAS visit our website at www.txhas.org or email lindagorski@cs.com. You can also join our Facebook page at <https://www.facebook.com/groups/123659814324626/>

Notes on Munitions - .40-82 Winchester Center Fire Cartridge: Additional Information

By Tom Nuckols

In a rush to meet the Editors deadline and keep last month's article within the bounds of a single page, I (and much to my chagrin) failed to explain what the .40-82 means. .40 indicates a .40 caliber bullet (actual diameter was 0.406"). "82" meant the amount of grains of black gun powder contained within the cartridge case. The "82" part of the moniker was retained even when the cartridge was loaded with smokeless gun powder beginning c. 1889. Smokeless gun powder didn't occupy as much space inside the case as black gun powder.

Even with the advent of smokeless gun powder the .40-82 cartridge was still manufactured containing black gun powder. This gave consumers a choice between cartridges loaded with either black or smokeless gun powder. Shuey (2003: 35) states that the Winchester Repeating Arms Company manufactured this cartridge loaded with black gun powder until 1925.

Although the Winchester Repeating Arms Company developed the .40-82 cartridge, it wasn't proprietary; other companies manufactured the cartridge and rifles that chambered it.

REFERENCES

Shuey, Daniel L.

2003 *W.R.A. Co., Headstamped Cartridges and Their Variations, Volume II*. WCF Publications, Rockford, IL.

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Note: Please submit articles for publication to *The Profile* Editor Bob Sewell at newsletter@txhas.org. Submit articles no later than October 25th for the November 2015 issue.

FOR MORE INFORMATION ON ARCHEOLOGY IN THIS AREA, CONTACT THE FOLLOWING:

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