

Tar Heel Tailings

A newsletter for Gem and Mineral enthusiast in and around the Raleigh, North Carolina area.

Special Interest Articles:

- August – Ice Cream Social
- Biggest ever dinosaur footprints found in France
- Wildacres Update

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This month's Program: Ice Cream Social

This month's program also happens to be this month's refreshments. The Famous August Ice Cream Social is here, at last. Some people join our club just so they can enjoy this once a year opportunity. So pack your favorite spoon, bring your favorite ice cream and toppings, and come enjoy the food and the fun.



Biggest ever dinosaur footprints found in France

By Lizzy Davies | Originally published on [guardian.co.uk](http://www.guardian.co.uk):
<http://www.guardian.co.uk/science/2009/oct/06/biggest-ever-dinosaur-footprints>

Marié-Hélène Marcaud and Patrice Landry next to a sauropoda dinosaur footprint discovered in Pagne, north of Lyon, France. Photograph: Hubert Raguet/CNRS
An "exceptional" collection of the biggest dinosaur footprints ever recorded has been found by two amateur enthusiasts on an expedition near France's Jura mountains, palaeontologists said today. Imprints measuring up to 2 metres (6ft 6in) in diameter and

stretching over a vast area of land have been uncovered near the village of Plagne, 30 miles west of Geneva, according to the National Centre of Scientific Research. In a statement, the centre said the significance of the prints could not be overestimated.

"According to the researchers' initial work, these tracks are the biggest ever seen," it said. Pierre Hantzpergue, a palaeontologist at the University of Lyon who verified the prints with a colleague at the research centre, said the perfectly
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Tar Heel Gem & Mineral Club, Inc.

10609 Chelsea Drive
Raleigh NC 27603

Walt Milowic – President
wmilowic@nc.rr.com
(919) 327-3227

Joe Moylan – V-President
jmoylan1002@nc.rr.com
(919) 556-3175

Obsidian Harris – Secretary
foxivy@nc.rr.com
(919) 674-0243

Corinne Hummel – Treasurer
mchummel@mindspring.com
(919) 779-6220

Bob Bendelow – Librarian
& Committee Member
r.bendelow@earthlink.net
(919) 552-8175

Cyndy Hummel – Committee
Member
mchummel@mindspring.com
(919) 779-6220

George Harris – Newsletter Editor
GeorgeFHarris@yahoo.com
(919) 674-0243

Tom Todaro – Field-Trip Coord.
caribtomt@yahoo.com
(919) 639-7798

We're on the Web!
See us at:
www.tarheelclub.org

Program & Refreshments

REFRESHMENT SCHEDULE:

Coordinator: Jeanette Baugh
villagegems@yahoo.com

Aug: Ice Cream Social – Everyone!
Sept: Walt Milowic
Oct: Corinne & Cyndy Hummel
Nov: OPEN

PROGRAM SCHEDULE:

Aug: Ice Cream Social
Sept: OPEN
Oct: OPEN
Nov: OPEN

August B-Day Members

Tracey Todaro
Walter Brandenburg
Jim Ray
Kenny Williams
James Tunney
Scott Jamieson



Tar Heel G & M Club

May 2010 Treasurer's Report

Beginning Balance	\$20,328.97	
	115.00	Member
	100.00	Hospitality

	\$20,543.97	
Minus checks	1,412.91	N & O Advertisement
	126.19	Show Expenses
	75.00	Food
	80.81	Newsletter
	43.10	Show Expense Printing
	72.12	Club Expense
	86.00	Secure Care Storage
	74.28	Rocks / Grab Bags Show
	28.25	New Checks

	\$18,545.31	Ending Balance

Tar Heel G & M Club

June 2010 Treasurer Report

Beginning Balance	\$18,545.31
No Deposits	
Minus Checks	112.92 Newsletter
	73.88 Food
	254.59 Signs
	86.00 Storage

	\$18,017.94 Ending Balance



Membership applications may be mailed to:

Tarheel Gem & Mineral Club
Attention: Treasurer
10609 Chelsea Drive
Raleigh, NC 27603

Tar Heel G & M Club July Meeting Minutes

Tuesday, July 20, 2010

Attendance: 36

Walt called the meeting about 7: 35

Mr. Jeffrey Lee talked about his work in the G & M field since he has a birthday in July.

Walt proceeded with the Rock Joke.

George Harris proceeded to hand out Door Prize tickets. While the secretary conducted notes.

Ken Carlson brought munchies & drink for club members during the break. Thank you Ken!

Mrs. Carlson volunteered a "home-made" Black-berry fruit pie. That looked inviting & delightful. That many folks enjoyed. Thank you!

Walt stated a motion for the acceptance of the club minutes for June as written. It was made and carried.

Corinne talked about the plates for the trailer and books to be audited by the club accountant.

Walt asked about By Laws committee. He asked about who all wanted to add their names for the meeting. However, he stated that as many as there are. He would not mind if people cancelled out due to the number signed up.

New Business.

Walt talked about getting children more involved into the study of minerals in the club. And someone to assist the kids in that process.

Walt also talked about the Survey sheets that have been helpful to direct

people to club members who can help them.

Next meeting in August is a Ice Cream social. And for folks to bring various toppings and so forth to go with their dish. As per the club newsletter announcement.

Nancy Holland called out the listing of folks who volunteered to help at the April 2010 G & M show. So a drawing can be done for the Scholarships available.

Pat McCracken talked about field trip to Oregon for Jaspers, Obsidian and going for a shorter trip. People interested need to contact Pat for further information. Contact him at 919-618-1330.

Joe Moylan made a comment about a Grassy Creek show being the last one this year. The property has been sold. The new location for the show is not known.

For further information contact Joe.

Joe talked about a flyer regarding Knapping. With more information coming to the newsletter.

Joe proceeded with the program about Silica Quartz Crystal. And the many various minerals in the Silica family. The club members took a break for munchies and got back to the next part of Silica variety of Quartz.

Walt called the program back to order. And Scott Laborde proceeded with the second half of the program about types of Silica Quartz Crystal.

Dennis Herman ended the session with pieces of his collection involving Scepter types of Quartz.

Walt announced the door prize drawing. Was Micky Broadway. Congratulations!

Micky choose a Rutile on matrix rock from Graves Mt. Georgia

He looks to do a article for the newsletter on his Door Prize item.

For the kids who volunteered at the show. They get \$50. gift certificates.

The winners are:

Orion Healey

Michaela Dillon

The following club members Won Scholarships for either William Holland or Wild Acres. For either Fall 2010 or Spring 2011.

Jeannette Baugh

Helen Lawrence

Karen Santala

The alternate folks who's name were drawn in the event the 3 previous mentioned folks are not able to attend to make use of their scholarships are.

Melissa Ellis

Jim Jin

Frank Sinclair

In part 2 of the program about Silica Quartz.

And various locations in the local area for locating quartz crystal with various minerals blended within.

Happy Rock Hounding

Obsidian Harris



Natural Chimney State Park, Mt. Solon, VA



Microfold called the "Gendarme's Hat" in the Jura region of France.

Biggest ever dinosaur footprints found in France

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preserved tracks could make Plagne one of the most significant dinosaur locations in the world.

"What is remarkable about this site ... is firstly the sheer size of the footprints. They are really enormous," he said. "This is new. Some very big footprints have been found in the US but I don't think they are as big as these."

The site's other, equally important, attraction, Hantzpergue added, was the geographical spread. The research centre said they were formed "over dozens if not hundreds of metres".

"These are very large distances," said Hantzpergue. "We've seen tracks of maybe 50 metres in France, around 100 metres in Switzerland, and the world record is in Portugal ... with about 150 metres. Now, we still have many hectares to search but we will undoubtedly have more than 150 metres at Plagne."

President's Report

Hello everyone,
I hope you are all having a great summer. It has been a little hot to go rock hounding for me but I know there are some diehards out there who have been prospecting away the summer with the specimens and heat stroke to prove it. Hats off to you!

I want to thank Joe and Scott for the great presentation on the wonderful world of quartz. I've always wondered how agate, jasper, quartz crystal, and all of the others could all be SiO₂ and frankly I'm still a little confused but there is some light at the end of the tunnel.

Did you all hear about the first asteroid to be tracked in space all the way to hitting the Earth. It was found as part of the Near Earth Object NEO observation project. The 5meter/80ton meteor was found to have a 100%

The imprints are believed to have been those of sauropod dinosaurs, the gentle herbivorous giants which roamed the region about 150m years ago. They appear to have been well preserved by a thick layer of limestone sediment dating from the late Jurassic period – the geological era named after the Jura mountains which lie just to the north of where the tracks were discovered.

Despite the region's well-known reputation for such discoveries – in 2004, thousands of footprints were revealed on the Swiss side of the border – this latest, and probably most spectacular, find was left to amateurs from the local town of Oyonnax, near Geneva, to stumble upon.

Marié-Hélène Marcaud, a teacher, and Patrice Landry, a geologist, uncovered the tracks on 5 April during one of their regular expeditions with the

chance of hitting the Earth! Fortunately, at that size, it posed no threat to the planet. The meteor exploded 37 kilometers above the surface of Sudan, over the Nubian Desert and was witnessed by hundreds of people. In the hope that some meteorite fragments survived the explosion, several scientists and volunteers scoured the desert several weeks later but found only about 5 kilograms of material, all that was left of the 80ton meteor.

Although this occurred in late 2008, I only recently read about it. I bring this up because I have an interest in meteorites and I wanted to let you know that hopefully we will have a program at one of our meetings this fall on meteorites. If you can't wait until then, you may want to watch "Meteorite Men" on the Science

Naturalists' Society of Oyonnax. Amazed by their find, they then contacted Hantzpergue and Jean-Michel Mazin at the National Centre of Scientific Research to confirm the authenticity.

The Franco-Swiss border is no stranger to palaeontological treasures, and its ancient landscape has allowed scientists to piece together the history of biodiversity over the past 200 million years.

A recent motorway project on the Swiss side of the Jura has led to the discovery of not only dinosaur tracks but fossils of creatures including marine crocodiles and mammoths. On the French side sauropod tracks were found at Coisia, about 25 miles from Plagne, in 2004 and on the floor of the Loulle quarry in 2006.

channel. It's an interesting show about two men, Geoff and Steve, who are always on the lookout for meteorites and have found numerous museum-quality specimens.

If you would like to read more about it, try this link:

http://www.planetary.org/news/2009/03/26/Asteroid_Tracked_in_Space_Its_Remains.html

Finally, the August meeting is our annual Ice Cream Social. Don't forget to bring your favorite ice cream, toppings, whipped cream and whatever else goes well with ice cream like brownies.

I hope to see you all there and bring your appetites.

Walt Milowic

SFMS Workshops Wildacres Update - August 23-29

We are now two weeks away from our 1st Wildacres Session. We do still have some openings; but you need to call B.J. Gearheart (our registrar) and discuss the classes that you are interested in with her and quickly follow up with a registration form. As of 8/8/10 the following August classes are full: **Beginning Silversmithing**, **Beginning Wirecraft**, and **Metalwork Help & Special Projects**. The **Addictive Seed Beading** class has been cancelled. The remaining classes have one or more openings:

Cabochon Making, Designers' Rehab (Polymer Clay), Beginning Fused Glass, Precious Metal Clay (Level 1 Certification), and Scrimshaw. Barbara McGuire has restructured her class and changed its name. The new class is called **Designers' Rehab (formerly Popular Polymer Clay Projects)**. The class is now open, and appropriate for, all levels of students. It will concentrate on teaching specific design techniques with Polymer Clay. Beginners will have special instruction to get them up to speed quickly and can then work on advanced techniques. Experienced students will be given the opportunity to select specific skills that they want to learn. Techniques will be discussed and demonstrated in the mornings and students can implement them into their designs in the afternoon. The instructor fee for the class has been reduced to \$75 and "includes a special collection of tools, findings, accents and assortment of clay, powders etc. purposed to stimulate individual design".

Precious Metal Clay (PMC) classes are a really unique opportunity. The classes are taught by Mary Ann & Ken DeVos. Mary Ann has written several books on PMC and is the Education Director for PMCC. Not only do we have one of the best instructor teams available; but we have them for a full week at less than most PMC classes charge for a couple of days. The

August class is a beginning certification class. Completion of this class will result in a Level 1 certification which provides a discount on the purchase of PMC supplies.

Beginning Fused Glass has openings. This excellent class is taught by a couple of retired educators. They are excellent teachers as well as experienced glass artisans. I have personally taken this class and can highly recommend it.

Scrimshaw: It has been several years since Bill taught this class and we were fortunate to get him back to teach again. I remember seeing some of the most beautiful jewelry from his class the last time it was offered. Scrimshaw is the scribing of a design on a piece of ivory or bone in order to produce decorative objects or jewelry. It is one of the first American folk crafts, originated by New England whalers to pass their time at sea.

Wildacres Update - September 13-19

Our September session is a bit earlier this year than usual and follows the August session by only 3 weeks. That means that we are only 5 weeks away from the 2nd session. Since the registrar will be busy with the August session for the next 3 weeks, she only has a very limited time to process September registrations. If you are planning on going to the September session, please send in your registration as soon as possible. As of 8/8/10 the following September classes are full:

Beginning/Intermediate Silversmithing and Southwest Silver. The following classes have one or more openings: Addictive Seed Beading, Bronze Clay, Chain-Maille' Jewelry, Faceting, Advanced Fused Glass, Metal Connections & Finishing, Precious Metal Clay (Advanced Techniques), and Wire Wrapping (Advanced).

Metal Connections & Finishing (formerly Cold Smithing). This is a cold connection type class with special emphasis on texturing and finishing the metals. Everyone will produce their

own brass etching plates to provide a personalized texturing effect to their creations. In addition to this, Charlotte will be teaching corrugation in the class. See the class description on the website for more details.

Precious Metal Clay (PMC) classes are a really unique opportunity. The classes are taught by Mary Ann & Ken DeVos. Mary Ann has written several books on PMC and is the Education Director for PMCC. Not only do we have one of the best instructor teams available; but we have them for a full week at less than most PMC classes charge for a couple of days. The September class is an advanced class that will focus on enameling on fine PMC and setting unusual natural gemstones. This class requires previous PMC experience.

Addictive Seed Beading: -- If you have not seen Vivian's bead work before you will be amazed by these beautiful pieces. See the examples on the website!

Bronze Clay this class has openings and will provide students with a good introduction to this popular new Metalsmithing technique.

Advanced Fused Glass has a couple of openings. We were very fortunate to get the services of Rich & Linda Dillon from Illinois who are well known glass instructors. I have heard from several people who have attended their classes before that they are excellent instructors.

Chain-Maille' Jewelry has openings. While advertised as a beginning class, advanced students are welcome to this class. Beginning students will learn ring coiling & cutting and some of the classic chain patterns. A large collection of patterns will be available for advanced students.

Intermediate/Adv. Wirecraft and Intermediate/Advanced Faceting both have a few openings.

Wildacres Update General

Our classes are taught at the Wildacres Retreat in Little Switzerland, NC. This setting offers beautiful views of the mountains, double rooms with bath, great food, and an enjoyable week. Each session lasts 7 days commencing with afternoon check in on the first day, 5 days of instruction, and morning departure after breakfast on the final day.

The most exciting part of the workshops is the low cost. Each session includes instruction, double occupancy lodging and 3 meals per day. The only additional cost is any materials that the student may buy

from the instructor. Where else can you take a weeklong vacation in the mountains, learn new jewelry making skills, eat great food, make new friends, and bring home new jewelry for less than the cost of a few days in a hotel?

We are currently accepting registrations for each of the remaining 3 one week session. Anyone belonging to an SFMS club will be given priority. Students under 18 are welcome, but must be accompanied by a responsible adult and must have approval from the workshop director and the instructor to attend an adult class.

Members of other American Federation of Mineralogical (AFMS) regional federations may also attend. Anyone not affiliated with

AFMS may attend by paying an additional fee of \$50 for the week.

Registration information and forms as well as class details and instructor biographies can be found on our SFMS Workshop website [SFMS Workshops.com](http://SFMSWorkshops.com).

Hopefully this is just a reminder for you about our workshops. If you have not already registered for a workshop, now is the time. If you haven't been to one of our workshops before, these are a lot of fun, educational, and a great value. Why not give them a try?

Roy Deere (Wildacres Director)

UPCOMING SHOWS

September 4-6, 2010: Brunswick, GA - Golden Isles Gem & Mineral Society. 2010 Annual Gem, Mineral, & Jewelry Show, Glynn Place Mall, I-95 exit 38, GA Spur 25 to Golden Isles Parkway, 2 miles. Hours: Sat 10-7, Sun 12-6, & Mon 10-5. Admission \$3. Contact Patricia Cox 912-265-4259 or hepacox@comcast.net

September 4-7, 2010: Hendersonville, NC—Henderson County Gem & Mineral Society. 28th Annual Gem, Mineral, Jewelry Show & Sale, Whitmire Activity Building, Lily Pond Rd. Hours: Sat & Mon 10-6, Tue 10-5. See www.hcgms.org

September 10-12, 2010: Winston-Salem, NC - Forsyth Gem & Mineral Club. 39th Annual Gem & Mineral Show, Educational Bldg, Dixie Classic Fairgrounds (free parking through Gate #9 from 27th St only). Hours: Fri & Sat 10-7, Sun 12-5. Contact W.A. Marion at mariona1@yadtel.net

September 23-26, 2010: Jacksonville, FL-Jacksonville Gem & Mineral Society. 22nd Annual Show, Morocco Temple, 3800 St Johns Bluff Rd. Hours: Fri 1-6, Sat 10-6, & Sun 10-5. Adults \$3/day or \$5/weekend

September 26-27, 2010: Hiddenite, NC-Western Piedmont Mineral & Gem Society. 21st Annual Hiddenite Gem & Mineral Show, Hiddenite Center at Sulpher Springs Road. Hours: Sat 9-6, Sun 12:30-6. Adults \$2 & children under 13 with adult free.

October 1-3, 2010: Dallas, NC— Gaston County Gem, Mineral & Faceters Club. Biggerstaff Park, Hwy 279(Cherryville Hwy), Dallas NC. Free admission, hourly raffles, gems, minerals, fossils, jewelry. Hours: Fri, Sat & Sun 9-6. Contact Jackay McDaniel 704-865-6748 or jackaythegrizz@aol.com or Connie Cole 704-864-4387.

North Carolina Knap-In

September 17-19, 2010

Held at historic Hogan's Farm just outside Chapel Hill in Orange County, NC. Come join flint knappers and primitive skills artisans for three days of education, craftsmanship and fun. Flintknapping is an ancient technology where rock is worked to form useful tools, arrowheads and spear points. A knap-in is a gathering of flint knappers of

all skill levels, primitive skills artists, vendors and interested on-lookers who buy, sell or trade rock, finished points, exchange information about knapping techniques and share friendship. A fee of \$10 per person per night will be charged for primitive camping to help offset operating expenses. A fee of \$20 per day will be charged to vendors. Vendors may camp free of

charge. Parking is free. We will also hold a raffle of donated goods to help cover costs. Contact the organizers if you have questions.

Joe Moylan at: 919-632-6754 or jmoylan1000@nc.rr.com

Jim Cornwell at 919-810-2120 or hardawaypoints@yahoo.com

Property address is: 9118 Old NC 86, Chapel Hill, North Carolina, 27516



Specimens shown as examples for the July SiO₂ Program (previous page and below).



Vugsites The following are some links to Web-Sites that may interest some of our members:

<http://www.amfed.org/> / <http://www.amfed.org/sfms> These are the official sites for the organizing body that the Tar Heel Gem & Mineral Club is founded under. I would strongly urge all members to check them out on a regular basis.

http://www.amfed.org/sfms/lodestar_newsletter.html The SFMS Lodestar Newsletter

<http://www.carolinageologicalsociety.org/CGS/Home.html> This site provides numerous downloadable field-trip guide books, maps, and charts of the Carolinas. It will prove to keep any avid rock hound busy for years. Great Site!

http://www.ncminerals.com/ncmineralswebsite_files/page0011.htm And while we are on the subject, try this link. Its titled: Links of Interest to Rock hounds in NC; It will take you to a list of links for North Carolina gems and minerals.

<http://www.rocksforkids.com/> Just like the name says, A nice place to steer the younger members.

<http://www.rockhoundlounge.com> information & photographs of over 6300 specimens from the Glenn & Martha Vargas Gem & Mineral Collection.

<http://www.rockhoundlounge.com> Scott Laborde, a club member maintains his own web site that might be of interest to people collecting in and around Wake County.

http://www.msnbc.msn.com/id/29726500/ns/technology_and_science-science This site highlights a half dozen of the most recent significant fossil finds.

<http://appmodo.com/13971/mole-quest-for-the-terracore-gem-app-review-for-the-iphone-and-ipod-touch/> If you have an iphone or an ipod touch, this rock-hounding may be the game for you.

I would like to encourage all members of the THG&MC that maintain their own presence on the internet to send me a link to their site to be published in future Vugsites so that other club members may learn and enjoy the craft, the art, the interests that many of us have in common.

Park in the Cates Ave. Parking Deck off Jensen Dr. Enter Thompson Building directly across from the parking lot.

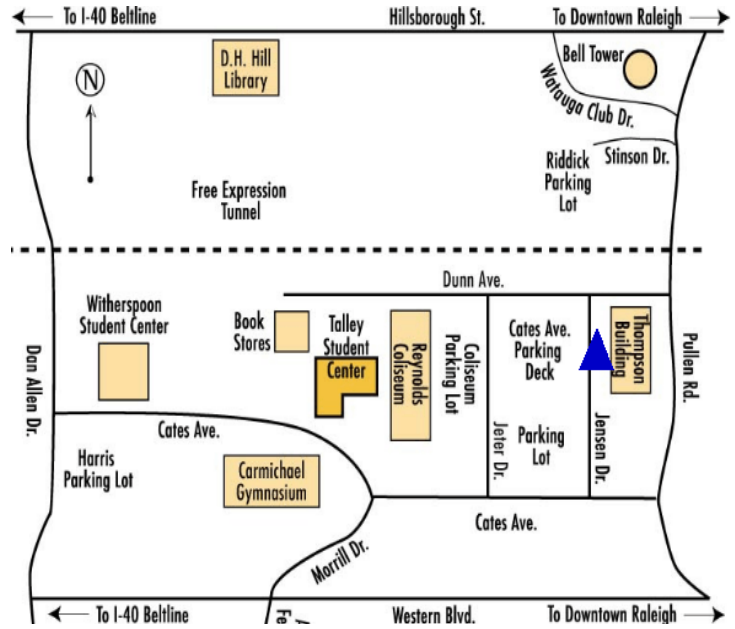
Our Next Meeting is August 17, 2010 @ 7:30PM Thompson Building / NCSU Campus.

About Our Organization...

The Tar Heel Gem and Mineral Club was formed in 1974 as a nonprofit educational organization for people who enjoy the lapidary arts, earth sciences, and related subjects. The main objectives of the club are to investigate, preserve, and share knowledge of rocks, minerals, and precious stones, and to promote interest in

mineralogy, paleontology, earth sciences, and lapidary techniques, among club members and among the general public. The club pursues these goals through publications, meetings, lectures, field trips, exhibits, demonstrations, and other activities.

Come and be a part of the Fun!



TAR HEEL GEM & MINERAL CLUB
 10609 Chelsea Drive
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