It is with great pleasure that we announce Kenneth Carpenter PhD as the paleontologist/new director of the USU-CEU Prehistoric Museum. Dr. Carpenter comes to us from the Denver Museum of Nature and Science where he was the Curator of Vertebrate Paleontology.

He has lived world-wide largely due to the fact that he was a “military brat”, and he has been interested in dinosaurs since his mother took him to see Godzilla: King of the Monsters.

His first major paleontological discovery was at the age of 15 when he found a ground sloth skeleton south of Colorado Springs. He helped excavate the specimen with the Denver Museum of Natural History and wrote the experience for the National Geographic School Bulletin.

This was to be the first of many publications Dr. Carpenter was to write. From 1967 to present, he has published well over 220 publications including 40 popular publications on a variety of topics. Additionally, he has published eleven books including Tyrannosaurus rex: The Tyrant King with Peter Larson.

Dr. Carpenter is world renowned for his research with Early Cretaceous dinosaurs, armored dinosaurs and dinosaur reproductions.

He has made over two dozen television appearances including Arts & Entertainment; History Channel; History International Channel; Discovery Channel; Science Channel; The Learning Channel; BBC London; BBC Bristol; BBC Ireland; NHK, Japan; various local stations in U.S. spanning over 19 years.

We would like to say welcome aboard to Dr. Carpenter, we are fortunate to have him here with all of his years of experience and knowledge planted firmly at the helm of the museum guiding us in the right direction.

We are very optimistic for a bright future for this institution!
From The Director

It is hard to image that a month has passed since I started as the Director of the Prehistoric Museum. It is an honor to lead an institution that has served the Castle Country for almost 50 years. My predecessors accomplished a lot leaving big shoes to fill: opened the galleries of paleontology and archaeology to highlight the prehistory of the region, and oversaw cutting-edge research into the Fremont Culture in Nine Mile Canyon and the dinosaurs of the Cedar Mountain Formation.

Now the time has come to consider where the Museum goes from here. In the near term, we will re-articulate the Museum’s icon, the Utahraptor skeleton, into a dynamic pose that will greet the visitor in the lobby. We will also re-articulate the dinosaur skeletons in the central “sand pit” into dynamic, interactive poses, as well as those of the Huntington mammoth and other Ice Age mammals. This work will be done so that the visitor can watch, either on site in the galleries, or in the new paleontology and archaeology viewing labs currently being constructed.

This fall we will begin the first detailed inventory of the Museum’s collections. This inventory is the first step towards planning of the new Museum. This much anticipated Museum is to be built near the Fairgrounds on land donated by philanthropist Marc Bingham. Despite these events, the Museum will continue to provide quality science education, make discoveries by our scientific staff, and provide a safe home for thousands of artifacts and specimens.

As a Member, you are an important part of the Museum’s future. We are counting on you to promote the Museum by sharing your enthusiasm for the Museum with family and friends. I welcome your thoughts and suggestions, so, please email me: Ken.Carpenter@ceu.edu.

Kenneth Carpenter
Director & Curator of Paleontology

In The Works

- Christine K. Trease
We are excited to embrace the changes about to take place at the museum. The “critters” will be moved to a new location within the museum. This will allow for the lab area to be utilized for its original intended purpose. Sliding windows will be installed in that area so that visitors may speak with the preparators and have a one on one experience while witnessing how the processes of cleaning paleontological and archaeological discoveries takes place.

The gift shop will be carrying a large amount of new stock, giving the entire inventory a long awaited face lift.

New exhibits are “In The Works” as well as revamping old ones, giving a fresh new look to the museum overall.

We are excited for you to stop by often and witness the wonderful things “In The Works.”

Memberships from Christine K. Trease

Hello museum members, and happy summer to all of you! I am still thrilled to be overseeing the museum memberships again. Many of you remain old friends and I am excited with each new name we add to the list and each new face I get to see. I hope all of you are receiving the emails I am sending you.

All of you should now be familiar with the new membership rate of $39.00 per year, which is still a fabulous bargain for:
1-Free admission all year long
2-Every Friday critter feedings
3- Newsletter
4- Cretaceous Christmas
5- Haunted Museum
6-Dino Eggstravaganza
7-Invitations and FREE admission to other special events and so much more!

Just taking into account the seasonal/holiday events that have been added as membership bonuses without a rate increase warrants the value of your membership at $39.00 per year. In comparing this to other institutional memberships, it is still a great value. In comparing it to admissions, well, there is no comparison. Membership to the museum allows us to update our exhibits and remain on the cutting edge of the scientific aspects of maintaining a world class facility.

Thank you so much for your important part in supporting this museum and our mission. You are key to the success of the College of Eastern Utah Prehistoric Museum. Thanks again and happy summer to all of you!
Winter passed quickly and with the first few warm days of April we headed out to the Gooseneck quarry site to see how things had weathered the cold of winter and to make final plans for an early start to our dig season. May 5 was our target date and much excitement had already brought forth a flurry of plans and arrangements. Our site visit on April 15 found the ground to be dry and a window of good weather that would see us through the 10 to 12 days anticipated for this dig. Tools were gathered and prepped, maps and permits collected, press releases sent out and the final scheme of action set in motion like a well-rehearsed play. We were ready and excited.

Monday, May 3 we descended on the Gooseneck site in the San Rafael Swell, in the shadow of Little Cedar Mountain on the main route to Buckhorn Wash. The site was only 300 meters from the road, an easy scamper up the south-facing slope.

We set to work opening the quarry, establishing a camping area for the crew, posting signage and staking off a walking trail to the quarry and the overlook above for what we hoped would be a good crowd of visitors. It took about two hours to remove the overburden covering the quarry that was placed there our last day back in December. While half the crew worked feverishly on this overburden exposing the 26 articulated theropod verts, a couple of sauropod cervical verts and some pelvic fossil bones, the other half started opening several square meters of new quarry that we hoped would reveal some new material.

Within a couple of hours folks began to arrive and for the next nine days we excavated 85 fossil bones and answered innumerable excited questions from an estimated 2000 visitors. Far exceeding our wildest expectations, this little quarry provided the CEU Prehistoric Museum with a wonderful opportunity to share the usually quiet and remote pleasures of our site work with a wildly enthusiastic crowd of interested folks. John Bird, our museum quarry director, sporting a new bright red hat and some fashionably Cabela-like, multi-pocketed dig duds, moved from group to group answering questions and pointing out some of the interesting features and finds of this quarry.

At any given moment during those nine days you could look up from your work on a fossil bone into the excited, sometimes awe-struck face of a visitor holding in their hand a bright, shiny black tooth of a 135 million year old meat eating predator that John had passed through the group. As one well dressed, quiet middle-aged lady whispered to me, “I was so excited when you put that tooth into my hand, it was all I could do to not take off running and try to make an escape with that wondrous treasure.” Good thing she resisted the urge, John is a whole lot faster than he looks.

Even good things must end and on May 11, having removed all the fossil material, we closed down the quarry. Right up to the last moments visitors continued to drop by and while there were no fossils to be seen, they were none-the-less excited to see a quarry site and ask some questions.

For the balance of May and a good part of June the plaster jacket that contained the 26 articulated verts was kept at the museum and prepared in the Hall of Dinosaurs were the public could watch the progress. Since then we have been working on that collection of verts and the other fossils from Gooseneck at the Bone Lab where we have better tools and working conditions. To date we believe we have the articulated verts, pelvic bones, teeth and some ribs to a large, young adult Allosaurus, three cervical verts to a sauropod, a tail spike to a Stegosaurus and an unusual rib to a turtle- all in beautiful condition. Not bad for a little quarry.

Our field season is just starting. As always, we invite you to come out and be a part or just visit, your choice. We have lots going on and some exciting material at our quarry sites. As a museum member, you are always invited to take part. Just give us a call at the museum. Bill
Two of the fossil bones recovered in December 2009 were from the pelvis of an allosaur. Pictured above are the ischium pictured left and the pubis pictured right.

Turtle rib found at Goose Neck site

Panoramic view of the Goose Neck site. It was such a pleasure to bring this dig to the public. It was estimated that over the 5 days this was offered to the public well over 2,000 people showed up on site. There are more pictures available to see on Paleo Dude’s blog site, http://paleodude.blogspot.com/ or find us on facebook

26 articulated vertebrae from an allosaur. The neck, the back and part of the pelvis. The bent vertebrae is what gave it the name “goose neck.”

Our crew checking out the site. Marvin Evans top, Bill Heffner top right, Barb Benson lower right, Renee Barlow, (museum archaeologist) bottom left

The Goose Neck dig site

Fossil bones plaster jacketed and ready for transport
We have been very busy since the last newsletter. Some of our major projects include excavations at the Gooseneck dinosaur site in Emery county, Hiring a New Museum Director, working on the mammoth base, cleaning out the Education Lab in preparation for re-purposing the space, finishing the job of tearing down our billboard that the wind began a couple of weeks ago, and beginning the move of the research library back to campus (the Dorman Library will remain in the museum, possibly in a new location).

The Gooseneck site was close to the Buckhorn Wash road and within sight of the road. After consulting with the BLM, we decided that if we couldn’t keep the site a secret, let’s advertise it and use it as an educational opportunity. The results were beyond our expectations with around 2000 visitors in the 8 days it took us to excavate the site. We followed up on this success by preparing the bones (as far as we could) in the museum next to the Jurassic Dinosaur fossil display, where hundreds of museum visitors got to see the string of allosaur vertebra emerge from the rock under the tools of paleo lab manager John Bird and volunteer B2, AKA Barb Benson – President of the local chapter of the Utah Friends of Paleontology.

Much time was spent reading resumes, meeting with search committee members, and interviewing several exceptional candidates for the position of Director of the Prehistoric Museum. I am pleased to welcome an old friend whom I have known for 33 years, Dr. Kenneth Carpenter, as our new director. I first met Ken at the Smithsonian where he was working on a vertebrate fossil preparation internship. I was just out of graduate school and had a joint appointment with the Smithsonian and National Park Service to excavate and describe fossils from Muskox Cave, New Mexico. I am pleased to see that nothing has changed, he is still the friendly, hard-working, focused individual I knew from years ago, except he is now a major rock star (pun intended) of the paleontological profession. Look forward to many many changes and exciting times as Ken implements his vision for the immediate (and long-range) future of the museum – it will be a blast.

The last couple of weeks of school last spring, for the local elementary schools, translated to a very busy time for the education department here at the museum with a couple of weeks seeing over 600 school children visiting each week. John Bird, along with volunteers Manon Felos and Karen Green, helped me meet the almost overwhelming crush of students.

Last, but certainly not least, a big Thank You to museum volunteer Ralph Escamilla who has helped us with most of the above activities and still comes back for more! If you would like to become part of the excitement of the new regime by volunteering at the museum, please contact Lloyd Logan, Director of Education and Exhibits, at 613-5760. Have a great summer.

**Volunteers - Every Museum Needs Them!**

Museums are often tasked with projects that are seemingly impossible to complete with the resources on hand. How do they keep their doors open and get everything accomplished? Volunteering can be the key! Volunteers are an integral part of the Prehistoric Museum’s past success and future dreams.

Volunteers are needed to lead tours, answer visitor’s questions, assist in fieldwork, and build new exhibits, existing exhibit maintenance, fossil and archaeological conservation and a plethora of other potential jobs.

Join the fun - to volunteer at the Prehistoric Museum, please call Lloyd Logan at 435-613-5760, email at lloyd.logan@ceu.edu or come by the museum at your convenience. It will be a blast!
The largest of the saber-toothed cats (see pages 17 and 21), about the size of a modern tiger, the *Smilodon* lived about 5 million years ago in North and South America. It stabbed its prey with its large upper canine teeth. A heavy cat, it preferred slow-moving victims such as this ground sloth from the family of the *Mecatherium* (see next page). The *Smilodon* also preyed on animals trapped in tar, and over 2,000 of these cats perished at the La Brea Tar Pits in Los Angeles.
We now carry Sport Capbandoos and 6 Panel Capbandoos

All Blubandoo cooling headwear contains their own high performance, non-toxic polymer cooling crystals made exclusively for them, to their specifications, for this exact application.

We now carry Safari Hatbandoos and Neckbandoos

Safari Hatbandoos Natural

Safari Hatbandoos Moss

Neckbandoos

Tie it in a knot or tie it in a bow, anyway you prefer just tie one on to relieve hot heads and necks. One size adjusts to fit all.

So easy to use:
(1) Just soak in cool tap water
(2) Massage and distribute crystals evenly within channels
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Floppyhatbandoos

We will also be ordering Bandoo-brim visors and Bandoorags for motorcycle enthusiasts in the future. Stop by and get your blu bandoo products today and beat the heat the blu bandoo way!

Thank you for supporting your museum through gift shop purchases!
## Cryptogram

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**CEU Prehistoric Museum**

451 East 400 North

Price, Utah 84501

Located at 155 East Main Street

Visit us on the web at

http://museum.ceu.edu

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