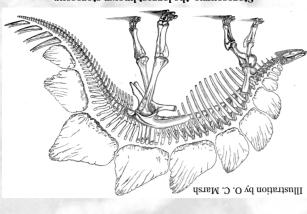
Stegosaurus, the largest known stegosaur



named the Colorado state fossil in the 1980s. defense. The stegosaurus discovered by Frederick Kessler was communication purposes and their spikes were probably used for plates are believed to have been used for temperature regulation or by their alternating rows of back plates and paired tail spikes. Their Stegosaurs were robust herbivorous dinosaurs easily recognizable

on display at the Dinosaur Depot Othnielia, a type of small Ornithopod



Dryosaurus, and Othnielia. Park are Camptosaurus, dinosaurs found in Garden rocks. Some Ornithopod relatives found in younger crested duck billed contrast with their larger,

small, fleet footed dinosaurs found in Garden Park stand in stark herbivorous. The ornithopods varied greatly in shape and size; the similar to theropods in that they were bipedal, however they were the Jurassic. The small ornithopods found in Garden Park were Ornithopods were dinosaurs that were common in Colorado during

Torvosaurus, a theropod found in Garden Park



include Ceratosaurus, Allosaurus, and Torvosaurus. largest measuring 55 feet (16 meters). Therapods from Garden Park drastically in size, the smallest measuring only a few inches and the hunt large prey such as sauropods and stegosaurus. They vary throughout the Mesozoic era. Their large, powerful jaws helped Theropods were bipedal, predatory dinosaurs that lived and hunted

Camarasaurus, and Brachiosaurus. (Brontosaurus), Amphicoelias, Diplodocus, Haplocanthosaurus, the sauropods found in Garden Park include Apatosaurus their primary defense from predators was their sheer size. Some of These dinosaur were exclusively herbivorous and it is believed that

Brachiosaurus, a type of sauropod



130 feet (40 meters). reaching lengths of up to ever live on earth, largest land animals to period. They were the during the Jurassic dinosaurs that thrived of large, long-necked Sauropods were a group

The Dinosaurs

and Science and the Garden Park Paleontological Society. was excavated by volunteers from the Denver Museum of Nature the fossilized remains of a nearly complete Stegosaurus which survey of the Garden Park area, Carpenter and Small discovered • Bryan Small and Kenneth Carpenter—During a geological

remains of a large sauropod dinosaur near four mile creek. bones. Over three summers, Delfs and his students excavated the Cleveland Museum of Natural History to search for dinosaur • Edwin Delfs was sent to Garden Park by the

Nature and Science to excavate a stegosaurus skeleton from 1930s he and his students were hired by the Denver Museum of school teacher who excavated dinosaurs the area. In the late

• Frederick Kessler-Professor Kessler was another Cañon City

Museum and History center Photo provided by the Royal Gorge Regional Dallas "Dall" DeWeese



Garden Park. of dinosaurs from area for his excavation also well known in the South America. He was Africa, Alaska, and hunting expeditions to fame for his exploits on renown who had won celebrity of some DeWeese was a local • Dall DeWeese—Dall

.gnibooft bas, xlimst sid ni as vandalism to the quarry, deaths Marsh in spite of obstacles such send over 270 crates of fossils to formal training, he was able to Although Felch had very little rancher named Marshall Felch. area that were overseen by a local fossil quarries in the Garden Park field, he organized and financed C. Marsh rarely collected in the Marshall P. Felch—Although O.

Othniel Charles Marsh



Stegosaurus, and Allosaurus. Apatosaurus (Brontosaurus), dinosaurs, including Triceratops, naming and describing many offices and he is responsible for had many specimens sent to his Marsh rarely went into the field, he rivalry with E. D. Cope. Although Paleontology and his infamous the late 19th century for his work in well known across America during O. C. Marsh of Yale University was • Othniel Charles Marsh—Professor

Marshall P. Felch

directing the work.

funding excavations in the area with Oramel and his brother Ira the discovery was reported to E. D. Cope, he immediately began Cañon City stumbled across several large dinosaur bones. When in the hills above Garden Park, Oramel Lucas, a schoolteacher in • Oramel and Ira Lucas—In the summer of 1876 while hunting

Edward Drinker Cope



Wars" in the press at the time. which was called the "Bone with Othniel Charles Marsh, for his highly publicized rivalry species. Cope was well known papers and named over 1,000 published over 1,200 scientific his prolific career, Cope 1800s was E. D. Cope. During paleontologists of the late of the preeminent

• Edward Drinker Cope-One

The Paleontologists

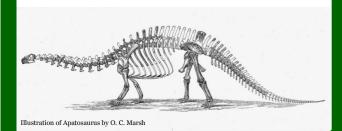
THE PARTY AND

Garden Park: Playground for Paleontologists

For over a century, the Garden Park Fossil Area has played a critical role in the field of paleontology, which is the science that studies prehistoric life through examination of the fossil record. Scientists from all over America have come to Garden Park to search for Dinosaur skeletons, and they have not been disappointed. The Garden Park fossil quarries have yielded dozens of specimens, including many household names such as Apatosaurus (Brontosaurus), Diplodocus, Stegosaurus, and Allosaurus.

The dinosaur skeletons found in Garden Park are virtually unmatched in terms of quantity, quality, and size. However the value these dinosaurs have as flamboyant exhibitions of prehistoric girth and power is insignificant compared to the understanding of Earth's past that studying these animals has bought us.

The sheer scope and history of life on Earth is staggering and by understanding past events, we can be better prepared for the future. We hope you enjoy your visit to Garden Park and hope you grown to appreciate the history and prehistory of the area.



Additional Information

For more information about the History, Paleontology, and Geology of the Garden Park area, contact any of the following sources:

Bureau of Land Management

3028 East Main st.

Cañon City, Colorado 81212

(719) 269-8500

Dinosaur Depot 330 Royal Gorge Blvd. #A Cañon City, Colorado 81212

(800) 987-6379

(719) 269-9036

Royal Gorge Regional Museum and History Center 612 Royal Gorge Blvd. Cañon City, Colorado 81212

Cañon City Public Library 516 Macon Ave.

Cañon City Chamber

403 Royal Gorge Blvd

Cañon City, Colorado 81212

of Commerce

(719) 275-2331

Cañon City, Colorado 81212 (719) 269-9020

In case of an emergency call:

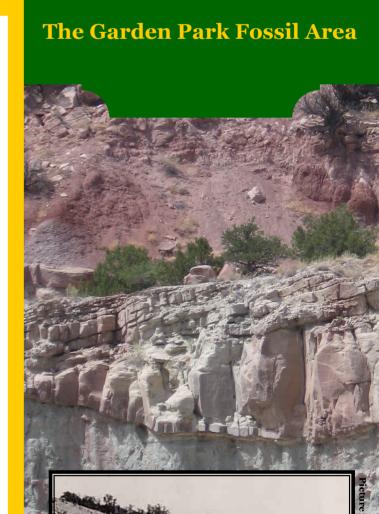
Fremont County Sheriff (719)-276-5600

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A Self Guided Tour through of one of **America's Richest Dinosaur Collecting Sites** **Dinosaur Depot**—The Dinosaur Depot is a natural history museum devoted to the study of Dinosaurs and other prehistoric life. On display is a petrified tree, a 6 foot long fossilized fish, fossilized bones from dozens of dinosaur species, and a nearly complete stegosaurus skeleton. Volunteers in the Museum Preparation Laboratory can be seen carefully preparing real dinosaur bones and other fossils.



"Cañon City Al" standing guard outside the Dinosaur Depot

The Quarries

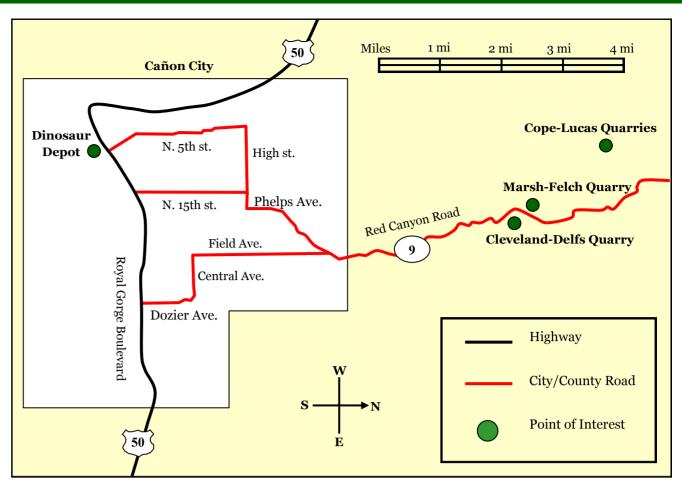
Cope-Lucas Quarries (pictured below) - In 1876 Oramel Lucas was working as a school teacher in Garden Park while taking a break from his studies at Oberlin College. While hunting in the hills above Garden Park, he stumbled across several dinosaur bones which he reported to the paleontologist Edward Drinker Cope. Cope, eager to acquire dinosaur specimens, immediately began excavations at several sites in the hills with Oramel Lucas and his brother Ira directing the work. The Cope-Lucas quarries produced dozens of dinosaur specimens that include partial skeletons of Camarasaurus, Allosaurus, and Amphicoelias. Legend has it that Cope discovered the largest dinosaur ever at the quarries; a sauropod known as Amphicoelias fragillimus. According to notes from Cope's notebooks, the dinosaur was nearly 200 feet (55 meters) long; almost twice as long as the next largest dinosaurs. Unfortunately, the specimen has been lost, and Cope's Amphicoelias fragillimus cannot be verified.

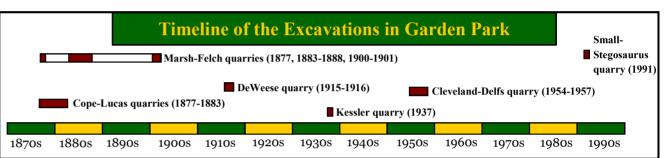


The Cope-Lucas Quarries as viewed from Route 9 $\,$

Marsh-Felch Quarry (pictured on the front cover)

—During the Jurassic period 150 million years ago, this was the site of a meandering river on a large flood plain. The U-shaped outline of the channel can still be seen in the cliff face. It is believed that this area was one of the last places to hold standing bodies of water during droughts and thirsty dinosaurs would gather here at isolated watering holes during dry spells. If the dinosaurs died of dehydration, their bodies would settle at the bottom of the dry riverbed and when the waters returned, the bones would be covered by thick layers of sand and mud carried along by the currents. The excavations at this quarry in the 1870s and 1880s were organized and financed by Othniel Charles Marsh of Yale University and overseen by Marshall P. Felch, a rancher from Garden Park. Later excavations in 1900 and 1901 were financed by the Carnegie Museum of Natural History with the continued help of Felch. In the face of crop failures, drought, near poverty, deaths in his family, and vandalism to the quarry, Marshall P. Felch was able to excavate 270 crates of fossils including superb specimens of Allosaurus, Ceratosaurs, and Stegosaurus that are now on display at the Smithsonian Institute in Washington D. C. Marshall Felch continued work at the guarry right up until his death until 1901. Although he had no formal training, he died a naturalist and paleontologist in his own right.







Excavations at the Cleveland-Delfs quarry in the 1950s Photo Provided by the Dinosaur Depot

DeWeese Quarry (pictured below)—Dall DeWeese was a man of many interests. He had won renown as a big game hunter for his expeditions to Africa, Alaska, and India where he collected many trophies that are now on display at the Royal Gorge Regional Museum and History Center. In 1915 and 1916 he organized an excavation in the hills of Garden Park at a site now called the DeWeese Quarry. A large and nearly complete skeleton belonging to a sauropod Dinosaur

called Diplodocus
was unearthed at the
quarry. The DeWeese
diplodocus was sent
to the Denver
Museum of Natural
History (now Denver
Museum of Nature
and Science) and it
became the first
dinosaur in the
Museum's collection.



Excavations Taking Place at the DeWeese Quarry Royal Gorge Regional Museum and History Center

Kessler Quarry—When Frederick Kessler, a high school teacher in Cañon City, discovered dinosaur bones in Garden Park, he and his students were quickly hired by the Denver Museum of Natural History (DMNS) to excavate the whole skeleton. The dinosaur turned out to be a nearly complete Stegosaurus skeleton, which was missing only a few plates, a portion of the skull, and parts of the rear limbs. The Stegosaurus is now on display at the Denver Museum of Nature and Science and in 1982 it was named the Colorado State fossil.

Cleveland-Delfs Quarry (pictured at the left)—

During the summers of 1954, 1955, and 1957, Edwin Delfs and a group of students excavated a dinosaur in Garden Park for the Cleveland Museum of Natural History. In the face of hazards such as flash floods and the unstable cliff face, Delfs and his crew excavated the skeleton of a sauropod dinosaur called Haplocanthosaurus delfsi, which was named in honor of Delfs. The dinosaur is now on display as a featured exhibit at the Cleveland Museum of Natural History.

Small Stegosaurus Quarry—In the summer of 1992 while conducting a geologic survey of Garden Park, paleontologist Bryan Small and volunteer Tim Seeber discovered stegosaurus bones in the hills east of the Marsh-Felch quarry. As the stegosaurus was excavated and the full extent of the skeleton was revealed, the excavation team realized that removing the skeleton from the quarry would be a problem since they were too far from the road and since they couldn't risk damaging the skeleton by carving it up into smaller parts. To get the skeleton to a proper preparation lab, the excavation team resolved to airlift the stegosaurus skeleton out of the quarry by means of an army helicopter. On August 14, 1991 the army flew a Chinook helicopter to the quarry and the six and a half ton stegosaurus skeleton was lifted out. The stegosaurus was sent to the Dinosaur Depot in Cañon City, where it was carefully prepared for museum display over the next five years. The original skeleton is now on display at the Denver Museum of Nature and Science, still in the position it was in when originally excavated. An exact replica is also on display at the Dinosaur Depot (pictured below).



The Stegosaurus from the Small Quarry on display at the Dinosaur Depot in Cañon City