Possil Parade

HOW "DIPPY" CAME TO PITTSBURGH

By Arthur S. Coggeshall



It all started on a bright Sunday morning in November 1898, when one of the wealthiest and most successful men in the world came down to breakfast in his New York City

mansion—quite sure there was nothing in the world that he wanted, for he had everything. A copy of the New York Journal was at his plate. Andrew Carnegie picked it up, took one look, and discovered there was something he wanted—for Pittsburgh.

The Journal pictured a huge dinosaur looking into the eleventh story of a skyscraper on lower Broadway, followed by a full-page article under a scarehead announcing "Most Colossal Animal Ever on Earth Just Found."

Yes, Mr. Carnegie wanted this monster. He wrote on the margin of the page: "Dear Chancellor, Buy this for Pittsburgh," and enclosed a check for \$10,000. The chancellor was Dr. William J. Holland, director of the recently opened Carnegie Museum and chancellor of the University of Western Pennsylvania, which later became the University of Pittsburgh.

Dr. Holland was a very close friend of Mr. Carnegie, as well as director of the Museum, and Mr. Carnegie felt that if anyone could corral the "Most Colossal Animal Ever on Earth," the Doctor could. But neither of these gentlemen knew or had ever heard of the man who was reported to have found the fossil bones of the great Brontosaurus ("thunder lizard") or Apatosaurus, which the newspaper described as a "130-foot Dinosaur." The finder was William H. (Bill) Reed of Laramie, Wyoming. Had they known Bill as others in the field knew him, they would have divided by two and crossed their fingers in hopes that everything would be as described.

Dr. Holland immediately got in touch with Bill Reed in Laramie and arranged to visit him. Reed had the upper part of a large limb bone of a Brontosaurus which Dr. Holland brought back to Pittsburgh signing Bill to a contract for a year was Carnegie Museum. Reed had told Holland that while he could find form he knew nothing about preparing or a scribing them, and suggested that Holland employ persons skilled in

important branch of paleontology.
At that time the American Museum Natural History in New York City leading in dinosaur work, so Dr. Holland went to that institution to look for scientists he needed. He made the attractive that J. L. Wortman, assistant curator of paleontology at the Museum agreed to go to Pittsburgh to organization section of paleontology, but only on dition that the writer, then at the American can Museum, accompany him to charge of the laboratories at Carnegie seum. After a conference this was a upon, and in April 1899, Wortman Coggeshall left for Pittsburgh. Upon rival at Carnegie, Dr. Holland, with great deal of pride, introduced us to the upper part of the large leg bone which had brought in from the West—the part of that "Colossal Animal" that ever found.

Dr. Coggeshall has been director of the Barbara Museum of Natural History, in California for the past fourteen years, and previously rected the Illinois State Museum and the Institute. From 1899 to 1929 he was at Carrent seum in charge of all dinosaur work.

Here in Pittsburgh he inaugurated the education program of the Museum and also the lecture and from 1921-25 was assistant to museum Douglas Stewart. Accompanying Dr. W. I Dr. Coggeshall erected the replicas of carnegiei given by Andrew Carnegie to test countries, and next month in CARNEGIE MANUELLE will describe his experiences in this connection

He began his museum career as a boy in the Peabody Museum at Yale University twenty-one received an offer from Henry Osborn to work in paleontology at the Museum of Natural History.

As a Chautauqua and Lyceum speaker Dhall lectured widely on the Carnegie dinosale. year he received an honorary doctorate dental College in California.

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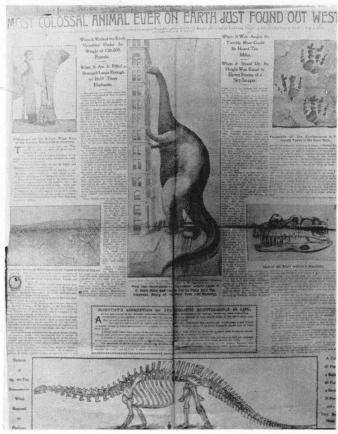
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Of course the news remeters, under Dr. Holand's expert handling,
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Dr. Holland believed and made sure of pubso that day we had much with him, Presi-William N. Frew, Exerciary Samuel Harden Thurch, and Trustee C. Mellor of the Instiat the old Henry Botel. When Wortman and the writer left for Wyoming that night, it with the blessings good wishes of all mocerned. Dr. Holland assured us that as soon as had excavated the remainder of the "Colossal animal," he would visit us.

arranged to have delivered to us at dedicine Bow, Wyoming, a ton of plaster a bale of burlap. This was to wrap up huge bones as we excavated them.

The Overland Limited arrived in due me at Medicine Bow, or the Bow as it called, and we met Bill Reed at the st office. Those who have read Owen ster's famous story of the old West, The rinian, will remember that the plot laid in the Medicine Bow country, we can testify to the authenticity of story in one respect—that the country the nineties was every bit as "wild and colly" as Wister pictured it. The Union was straightening out its tracks there were nightly shooting scrapes the Bow between the graders and cow-



THIS STORY IN "NEW YORK JOURNAL" CAUGHT MR. CARNEGIE'S EYE

blast and, all in all, it was a very lively place, particularly for a green young fellow of twenty-five who had never before been west of Pittsburgh.

Reed had a team of horses and a farm wagon into which we loaded our gear and the ton of plaster. Early that spring the high water had carried away the bridge across the Medicine Bow River. This was replaced with a pontoon bridge, just flat timbers tied together and held up by oil barrels. As the bridge had no sides, the horses had to be unhitched and led across, then the wagon unloaded and pushed over. There was that ton of plaster in hundred-pound sacks, and as the writer was the youngest in the party he was elected to do the carrying. This same laborious procedure was repeated at "inine-mile" crossing.

We finally reached the Traber Brothers Ranch at the foot of the Freeze-Out Mountains. The location of Bill Reed's find was a short distance from the ranch. After a few days of digging, Reed had to admit, as we suspected, that the piece of leg bone which was in Pittsburgh was all he had ever found there, and the whole story of the "Most Colossal Animal Ever Found" was based on that fragment.

Discouraging? Yes, it was, but bone hunters, like prospectors for gold and silver, have to take discouragement in

their stride.

For two months we kept doggedly prospecting until on the afternoon of July 3, 1899, we found ourselves on Sheep Creek in Albany County, Wyoming, about thirty miles from the Bow and without that ton of plaster which, much to my relief, we had left at the T. B. Ranch. Camp was made on Sheep Creek, with plenty of grass for the horses and cold mountain water nearby. We were to prospect the surrounding country, for we had seen evidence of the Jurassic outcrop in which the big dinosaur fossils might be found.

Perhaps *Diplodocus* should have been named the Star-Spangled Dinosaur, for it was discovered on the Fourth of July. The morning of the Fourth, Wortman and Reed mounted horses and pulled out to prospect an escarpment about two miles away, leaving me, as the youngest member, the writer, to prospect afoot.

The first indication of "Dippy" was a

The first indication of "Dippy" was a toe bone of a hind foot. After very close scanning of the ground, a few pieces of weathered bone were found. It was then that the heartbeats of the writer really became loud, for it was the best prospect

any of us had discovered in over two months of hard and disappointing work, and we did so want to make good with a dinosaur for Mr. Carnegie.

By noon, when the boss, Dr. Wortman, and Reed returned empty-handed, there was enough of the left pelvis cleared away for us to feel sure we had at last found something that, while it might not be the "Most Colossal Dinosaur" ever discovered, indicated a splendid find.

The rock in which the bones were cased was a joint clay, not terribly har greenish gray in color. The clay indicate that "Dippy" had died in the mud of ancient lake or stream and, as there been almost no movement of the water the skeleton was practically intact, lon its right side. From the character of surrounding rock, we estimated "Dippy's" burial had occurred about million years ago.

Of course, as soon as the importance the find was determined, a telegram dispatched to Dr. Holland in Pittsburghow, in turn, notified Andrew Carnes and joy again reigned in Carnegie Muse

and joy again reigned in Carnegie Muse.

While "Dippy" was the best and complete skeleton of the great dinose ever found in position up to that time was not quite all there, for some of bones had weathered away before we covered it.

As "Dippy" was gradually exposed, news of our find traveled and there escientists from museums and universiting the quarry almost every day.

The Union Pacific Railroad had chose that year, 1899, to offer free transportation all geologists who would visit and explore Wyoming. In August Dr. Holland two young men from Pittsburg visited Camp Carnegie, as we had named our Sheep Creek Camp.

Work went on in the laboratory during the winter of 1899 at high speed under direction of the writer, and in the spring of 1900 another field party, under supervision of O. A. Peterson, enlarged equarry D of the previous year and another



CAMP CARNEGIE ON SHEEP CREEK IN SOUTHEASTERN WYOMING



THE DINOSAUR L

The present skeleton of the two, No. 84 and No. 84 and

Dippy" is 84 feet long over mugh he had a brain no lar sthumb. As there was no much in the early Museum on the original building, the Library, the mounting of presented a problem. Fore was one of the main decision of Mr. Carnegie in the decision of Mr. C

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Diplodocus carnegiei goes making "dinosaur" a house

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THE DINOSAUR LABORATORY AT CARNEGIE MUSEUM IN 1899

The present skeleton is a comof the two, No. 84 and No. 94, for, and luck, they supplemented each and were of about the same size. In of Andrew Carnegie, this famous

andocus carnegiei. Dippy" is 84 feet long over the curves, amough he had a brain no larger than a thumb. As there was no room large much in the early Museum on the second of the original building, now used Library, the mounting of this giant presented a problem. "Dippy" profere was one of the main factors in me decision of Mr. Carnegie in his gift of me meater edifice which bears his name. the great weight of these bones, an entirely new system of musting was designed and perfected by writer in 1904. A backbone of cast was made which supports the vercolumn. This system is now used in museums. In life "Dippy" weighed in meighborhood of thirty tons, but this mainly flesh, as the bone structure was light, being built on the principle of a with maximum strength but miniweight. Turned to stone, the bones merry heavy, some leg bones weighing much as 800 pounds.

Diplodocus carnegiei goes the credit making "dinosaur" a household word, presidents, kings, emperors, and besieged Andrew Carnegie for replicas to be installed in their national museums, "Dippy" crashed royalty. His adventures in plaster on three continents will be told in a later issue.

Among Our Friends

The Sarah Mellon Scaife Foundation has given \$7,500 for a Pennsylvania Herpetological Survey. Although the Museum's collection of Pennsylvania amphibians and reptiles is the largest in existence, many critical areas in the state have not been studied intensively. This grant will insure rapid completion of the field work required for a comprehensive report, comparable to Todd's Birds of Western Pennsylvania.

A gift of \$5,000 has been made to Carnegie Institute for its general purposes by Mrs. Henry O. Rea. This gift had been provided for by Mrs. Rea prior to her death.

The Richard King Mellon Foundation has recently given \$5,000 to the Museum for the labeling of exhibits.

Alice Hall Cargill, a friend and promoter of library services, has given \$360 to the Carnegie Library School to establish an emergency loan fund in her name.

Edward Duff Balken has made another gift of \$100 to Carnegie Magazine.

The Hilltop Garden Club has given \$50 to the Department of Fine Arts.