# SMITHSONIAN INSTITUTION UNITED STATES NATIONAL MUSEUM

JAN 21 1943

ACCESSION

## **ACCESSION MEMORANDUM**

Department of Geolo	gy	Division of	Vert. Pal.			
		Ja	nuary 20,	, 198/ 4	3	
Please enter as an ac	ccession fro	m Mrs. Lula	Chronister,			
(Address)		Glen Al	len,			
		Missouri.				
the following object (collecte	ed with/wit	hout the aid of a Mu				
One reptile spec	imen co	nsisting of 1	4 caudal ver	tebrae		
from the Upper O	retaceo	ous of Bolling	er County, M	issouri.		
			164	1/63		
Papers appended			, ,			
(The Assistant Secret or his assistants, which rel forwarded with it to the D	ate to this	accession, be attach	he possession of the ed to this memora.	ne Curator		
Gift, exchange, doon, a made in the Museum.	leposit, tra					
		Cwi	luose	Curalor		
IJ. S. GOVERNMENT PRINTING OFFICE 1	6—2777		R. p	1, B		

acc/64/63

January 16, 1943.

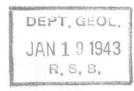
Dr. Bassler:

The accompanying specimen was received from a Miss Lula Chronister, Glen Allen, Missouri apparently for identification and report. No letter has been received.

Erwin M. Wade.

From Sula Ch	ronist	r 1645	32 11
Jessen arren om	a	This number ma	estathiame.
To Smith sonio	m ins	TITUTION	
1 " Washing	Museu	m	3

Paspeeuren previously fundased Buy the U.S. hat. Mms. acc. 164163 Cevilleure



Mrs. Lula Chronister, Glen Allen, Mo.

My dear Mrs. Chronister:

No doubt you have by this time received the check in payment for the fossil material purchased from you early in December. I am advised by the Treasury Department that it was mailed to you on the 14th instant.

Will you please forward to us as promptly as possible the bone belonging to this animal still in your possession and advise me if you have heard anything from the holders of the portions of the skeleton, who reside in California.

Very truly yours,

A. Wetmore, Assistant Secretary.

HSB-F

Dec 14 1942
Check
mailed
from
Greasury
Dept-

December 3, 1942.

Mrs. Lula Chronister, Glen Allen, Missouri.

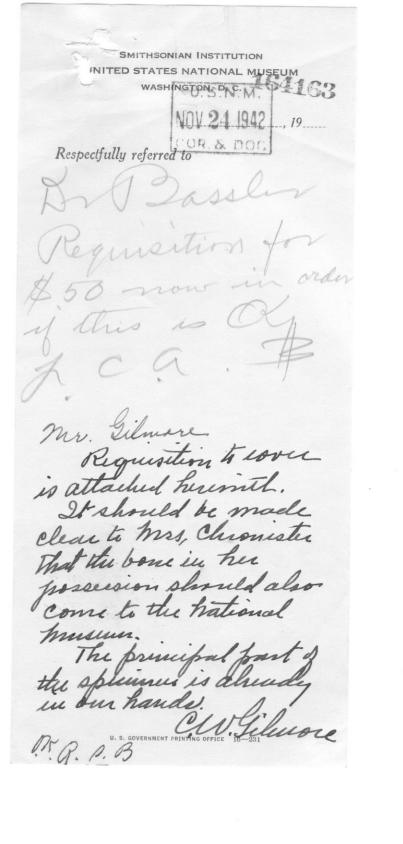
My dear Mrs. Chronister:

Referring to previous correspondence and particularly to your letter of November 21, you have no doubt received the voucher in the amount of \$50.00 covering the purchase of the fossil material referred to which was mailed to you on the 30th of November. Please sign this voucher at the point indicated and return it to us promptly. Upon its receipt a check for the amount will be mailed to you.

It is understood, of course, that the bone still in your possession will be forwarded to us and that you will make every effort to secure the return of the specimen in Galifornia forming part of the same discovery.

Very truly yours,

A. Wetmore, Assistant Secretary.



164163 U.S.N.M. | 164163 1150 11-21-42 Glen allento Mr. a. Welmore Dear Six in reply to Your etter of 1180-5- 421 about 1 he Bornes That Xx 4. arthur Corder to ho visited Mike The \$50.00 Dollass for Sauce and I will conite a /Letter for the bone In Cal: V have one bone in my Posterion That your Can tell fine The Disposition of Boul So you will or Can do as please Jula, Grounday

November 5, 1942

Mrs. Lula Chronister, Glen Allen, Missouri.

Dear Mrs. Chronister:

Dr. G. Arthur Cooper, who visited you in connection with the fossil material which has been forwarded to us on your behalf, has informed me that you would accept an offer of \$50.00 for the material.

The National Museum is willing to pay this sum with the understanding that you will send to the Museum the additional bone now in your possession and that you will endeavor to secure the other bone held by someone in California at the present time, I believe, and forward it to us.

If this offer meets with your approval, kindly advise me promptly and the matter can be definitely settled.

Very truly yours,

HSB:grb

A. Wetmore Assistant Secretary

164163

November 4, 1942

MEMORANDUM TO MRS. WEIRICK:

Dr. Wetmore has authorized a payment of \$10.00 to Mrs. Billings, Racine, Wisconsin, to cover the purchase of an old solar camera and an old sewing machine.

We are also offering \$50.00 to Mrs. Lula Chronister, Glen Allen, Missouri, in payment for specimens of dinosaur bones already in our possession but the offer not yet accepted.

Very truly yours,

H. S. Bryant, Chief, CORRESPONDENCE & DOCUMENTS.

HSB:grb

SMITHSONIAN INSTITUTION UNITED STATES NATIONAL MUSEUM WASHINGTON, BON. M.

Respectfully referred to

In Cooper is back. and you can coll line.

Cape Guarde 26, 1942.

Dr. Alexander Wetmore,
U.S. National Museum

(Vashington, D.C. SEP 23 1942

SEP 26 1942 COR. & DOC

My dear Dr. Wetmore:

Joday I visited the Chronisters at Glen

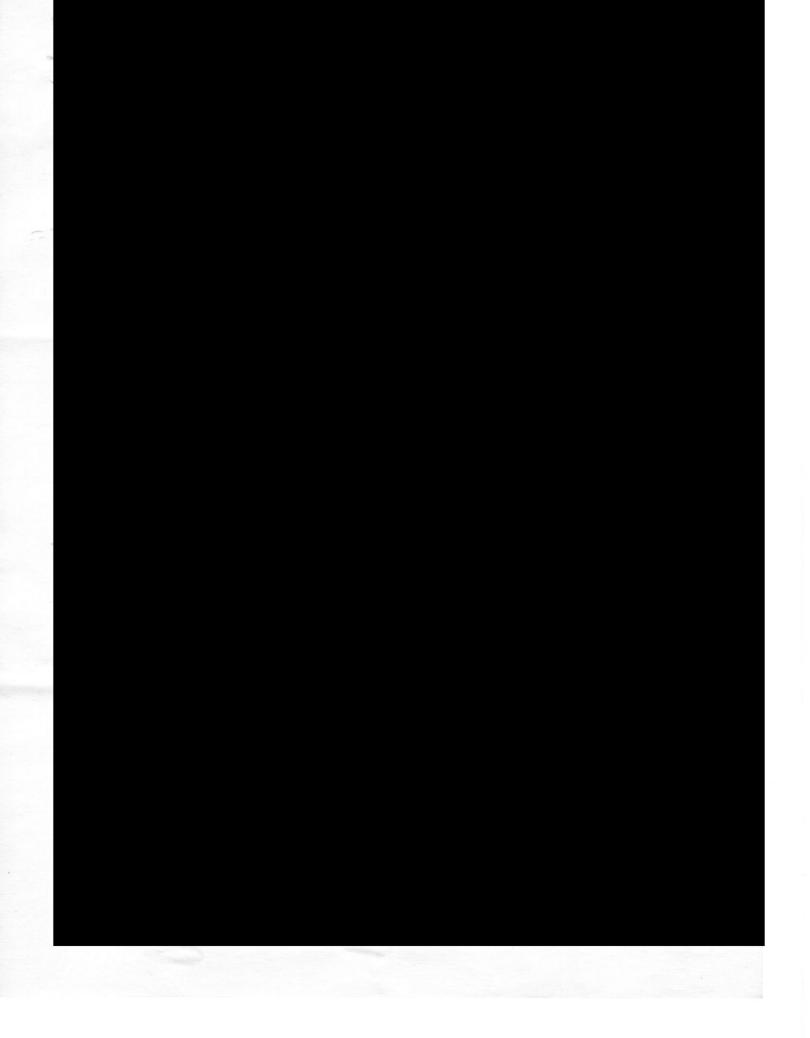
Cellen and spent about 3 hours at their place. as you might have already suspected they are quite poor and are very anxious for the fortuitous discovery of a dinosaur to help recompe their dwindling frances. Mr. C. is a quite old man, who in a moment of, imex pected from kness, told me that he should never have remarried and to such a young woman. They have 3 young boys who intensify their economic problems. I am sorry to report that they would not accept an affer of \$25 for the bones. They think they are worth more than our offer and Mrs. C. regards \$50 as nearer Their proper value. I told her that the Museum would consider that sum and let her know

The decision later on neither she nor her husband write well and would prefer is to make the next move. I medentally they have one more bone in Colefornia is the total catch. The following remarks will facultainge you in a rough way with the occurrence of the bones. Evidently they occur in

It is not certain that more bones are pusent. The Chronisters claim to have taken all seen. However, I should imagine more are there.

Chousters stoutly claim none were present When they took out the bones. clasked the Chromaters to state what conditions they would require if excavation proved possible but they were unable to answer as they were quite imprepared on the subject Several others have interested themselves in the site and several offers of purchase have been made. Maturally this competition has whethed the Chronister appetite for more cash. I have appended a crude sketch which will give you some idea of the lay-out and the definite extent of the clay el hope this note will help in hur of a more detailed report which el will submit on my return. While at anna we failed to get diagnostic fossils from one formation. How that I am again in close progenity to this place of intend to make another Afort to get these fossils Ishall therefore crack up a large part of the alto formation

and start for home on Wednesday el As meet an oil \$4163 geologist and then will come directly to Washington, which I hope to reach on Saturday or Sunday. We had rain every day at Urbana and yesterday the trip here was anything but pleasant with rain in The morning followed by very cold weather. But today was one of those days that makes you glad to be alive, even if there is a war on. I am counting on two good days for collecting and are hoping for good luck to make a fetting end to my efforts here. Very respect fuly yours, Farther Cooper. Assoc. Curator duvert. Paleout. + Paleolot.



#### SMITHSONIAN INSTITUTION

### UNITED STATES NATIONAL MUSEUM

A. WETMORE SEP 19 1942

WASHINGTON, D. C.

U.S.N.M. SEP 10 1942 Urbana, Illinois September 17, 1942.

Dear Dr. Wetwork, NOR & DOC

Successed your letter of September 12

yesterday afternoon. I had already made

commitments here that will keep me in

Urbana suntil Saturday on that day of

shall head for Blendlen and the dinosans.

Since my last letter we closed up our

field work or sold of Worth: Offers



field-work on schedule Warthin left me on the winth. The same day I headed for Madison, Wis. via Jowa City where of visited with Dra. Troutbridge and Miller. al anived in Madison on the 11th The next day Newell and I went to Pat Washing for to streety and collect from the few Devonian outcrops there. Sunday and Monday were apent at the University packing forsils and visiting. Newell had etched the entire 1400 pounds of blocks sent him from Dexas. Consequently a fine lot of free shells awaited sorting and packing.

According to the new plans of should arrive home near the end of next week on or about the 27th a 28th of the month.

Yours very respect fully, Suther Cooper.

Associate another.

September 16, 1942.

Dr. G. Arthur Cooper, c/o State Geological Survey, Urbana, Illinois.

Dear Dr. Cooper:

With regard to the enclosed communication from Dr. Bassler, please arrange your itinerary so as to visit the crinoid locality indicated. I find on consulting the maps that you will probably have to pass through St. Louis to reach Glenallen, the locality where the dinosaur remains were found so that this will entail very little additional travel. Should this additional problem, together with the one concerning the dinosaur, require more funds than originally allotted for your work this season we will adjust this to cover when you return and the amount of expenses are known.

If you need additional advance of funds before your return you can inform me, by telegraph, if necessary.

With my kindest regards, I am

Sincerely yours.

A. Wetmore, Assistant Secretary. Dr. G. Arthur Cooper, c/o Illinois State Geological Survey, University of Illinois, Urbana, Illinois.

Dear Dr. Cooper:

Yesterday I sent you a telegram at Hannibal, Missouri asking for your address so that I might send you information regarding a fossil occurrence in Missouri that we wish you to investigate.

Briefly through the U. S. Geological Survey we have received some fragmentary bones of a Dinosaur from a locality near Glen Allen, Bollinger County, Mo. This is the first occurrence recorded of Dinosaur remains from the State.

I am enclosing herewith copies of available correspondence concerning this matter to date so that you may be fully informed. There is missing, however, from this a letter in which we made an offer of \$10.00 for the specimen.

Most of the correspondence has been carried on while Mr. Gilmore was in the field. Now that he has returned he feels that the specimen is of such importance that we should pay not to exceed \$25.00 for it. I wish that when you have completed your work at Urbana that you would arrange to go down to this locality and examine the site. In talking with the owner please try to arrange to secure title to the specimen which we have here now in accordance with my statement above.

Mr. Gilmore says that if we are successful in getting title to the fossil, the dump from the excavation should be carefully searched for fragments of the spinous processes which are missing from all of the vertebrae. You should also determine if possible whether there is more of the specimen present in the bank, and if so, to determine the practicability of collecting these parts. Should the project seem worthwhile we might have some one go there next year to try to remove the specimen or to make some arrangement to have some one do this for us.

In your own case we would like a report on the location, the

occurrence of the bones and if possible arrangement for purchase of them. If the owner wants immediate payment you are authorized to make this and to carry it in the expenses of your present expedition. Otherwise we will make payment here from Washington, D.C.

This will delay your return to Washington but should not take too long as the distance from your present location is not too great. Upon completion of this work you may resume your previously outlined schedule.

I shall look forward to your return and a full report of your summer's work. There is nothing in particular to add to my last letter to you. We are having pleasant fall weather.

Sincerely yours.

A. Wetmore, Assistant Secretary.

#### SMITHSONIAN INSTITUTION

#### UNITED STATES NATIONAL MUSEUM

WASHINGTON, D. C.

July 7, 1942

My dear Gilmore:

We were just about to write to you regarding the dinosaur bones at Glenallen, Missouri, when your letter of the 4th arrived. I am very glad to have your pledge card. Foshag's card is still out but with the receipt of yours we are 100% save one who could pledge 5%, which makes us mighty near the top anyhow.

Back to the dinosaur bones, the enclosed copy is from a letter received several days ago addressed to you, and I thought it best for you to pass upon the matter. First, write to the lady yourself and, second, write your recommendations about it here to Dr. Wetmore. It seems to me that it might pay to stop at this place on your way home and examine the rubbish yourself. Those vertebrae are so well preserved that it seems like there should be more of a skeleton. Anyhow you will know best about the matter.

I exhausted my news so thoroughly in my last letter to you that I fear I have nothing to say this time. However, the telephone just rang and the University asked me as to recommendation for Greenwood for the Marines, following which came a ring from him requesting a letter of recommendation. So there is one item of your force—at least that was for a time.

Expressing my surprise that you are so interested in getting that lady's name, I will close! As ever

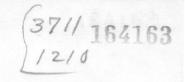
Sincerely yours,

Head Curator of Geology.

encl.



Glen Allen, Mo. July 3rd, 1942.



Dr. Gilmore -

Dear Sir:-

In reply to your inquiry about the bones of the dinosaur that you have, what would be the price that you would pay for them alone or do you want to move the other dirt and rubbish and get the rest of them and probably other bones that might be found while moving the rubbish. Please give me on both as the well is open for if you want the rest of the bones please give your figures.

Yours truly,

/s/ Leila Chronister

164163 DEPT, GEOL. JUL - 71942 en lellen Ind what would be The Price That or do you want to of Them and probles office Bones that might while movens I've subtest I leave sive me on as The well You want The tent figures of our fine Jula Cheourster Stula Chronistes

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meniorandum to 164163 He britisse: attached herewith is all of the correspondence relating to the Glen fallen dinosaur that is available to me at this time. It does not give a complete picture, as no record has been found of an offer having been made for the opiciones. However, as a record specimen the first deciosam to be found in pressouri or should pare this freshil if can be obtained. Therefore is De Cooper calls on the Chronister's he bliveld be authorized to make there are offer for the specimes, but this offer at the smet should mit exceed \$ 540. Second: if successful in getting title to the fossil, the dlump from the execution should be carefully searched for fragments of the specious processes whill are missing from all of the vertibrae. Third: Cooper should determine, is possible, whether there is more of the spleiner present in the bank, duel is so, determine the practibility of extering these parts.

your respectfully Cev. Gilenore

June 23, 1942.

Mr. H. S. McQueen, Geological Survey and Water Resources, Rolla, Missouri.

Dear Mr. McQueen:

Your letter of June 11 received. The occurrence of dinosaur bones at the Chronister place seems very unusual and I am wondering what interpretation you and your staff will give to it. If I understand the situation correctly, the stratum containing the bones is topographically too low for a normal occurrence of sediments of Cretaceous age. Am I right in thinking that the bone-bearing material must have been let down in some way from a higher position, and thus protected from erosion? Was it faulted down, or did it settle into a sink hole during some past geologic episode? I shall look forward to seeing your explanation in print some day.

I am holding the bones awaiting the Chronister's reply to Dr. Gilmore's letter. I believe he asked them to indicate what they would be willing to take for them. I wonder how much more of the animal is there. The bones are in an excellent state of preservation.

Sincerely,

L. W. Stephenson.

0-6/23/42 LWS:hl GEOLOGY MINERAL DEPOSITS WATER RESOURCES TO DGRAPHIC MAPPING

STATE OF MISSOURI

GEOLOGICAL SURVEY

AND

WATER RESOURCES

ROLLA, MISSOURI

H. A. BUEHLER H. S. McQUEEN

ASST. STATE GEOLOGIST

June 11, 1942

Dr. L. W. Stephenson U. S. Geological Survey Washington, D. C.

Dear Dr. Stephenson:

As Stewart is engaged in field work I wish to acknowledge receipt of and thank you for your interesting letter of June 1.

Dr. Gilmore's comments are most interesting to us and certainly throw new light on conditions that existed in southeastern Missouri. I was with Stewart at the time the bones were obtained for shipment to you and Mr. and Mrs. Chronister indicated that they would like to realize something from the bones. In other words I am quite sure they would be willing to sell them but I have no idea as to what price will be asked.

As you know these bones were found imbedded in clay in digging a cistern. It would appear that there is a possibility of finding additional bones by enlarging the cistern. This might entail moving some existing buildings in order to successfully excavate the area.

If anyone from the Survey would ever care to visit the locality some one of us will be very happy to accompany them.

Very truly yours,

McQ/mh

June 1, 1942. Reside

Mr. Dan R. Stewart, Geological Survey and Water Resources, Rolla, Missouri.

Dear Mr. Stewart:

The fossil bones from the well owned by Mrs. Lula Chronister of Glen Allen, Missouri, have been examined by Dr. C. W. Gilmore who reports as follows:

"The fossil specimens forwarded by Mr. Dan R. Stewart from Rolla, Missouri, consisting of a fragmentary bone and 12 caudal vertibrae, represent a short section from the distal half of the tail of an undetermined member of the dinosauria. The lack of distinctive processes on the vertebrae, renders a more precise determination hazardous.

These specimens have been critically compared with various dinosaurien caudals in the National Nuseum collections, but none were found that suggested near affinities. The Missouri specimen might very well pertain to an undescribed form."

Dr. Gilmore has just written to Mrs. Chronister inquiring as to whether she would be willing to sell the bones to the Museum. He is leaving for a field trip, but Mrs. Chronister's reply will be opened here, and if it is in the negative, I will return the bones to her at once. I am sending a copy of this letter to Mrs. Chronister.

Sincerely yours,

L. W. Stephenson, Senior Geologist.

0-6/1/42 LWS:hl CC Mrs. Lula Chronister

May 30, 1942

Mrs. Lulu Chronister, Glen Allen, Missouri

Dear Mrs. Chronister:

Recently I have examined the fossil specimen which it is my understanding was found on your place in the course of digging a well.

Although the specimen represents only a small section of the posterior portion of the tail, it has considerable scientific interest from the fact that it appears to be the first record of a dinosaurian reptile occurring in Missouri. For that reason the United States National Museum would like to secure the specimen for its collections.

Would you consider parting with it? If so will you let me know what you consider it worth. With this information I will then be

in position to take the matter up with the officials here.

May 50, 1942

Mrs. Lala Chronister. Glen Allen. Missouri

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Would you consider parting with this giuderejM Aonis the be were you consider it worth. With this giuderejM Aonis it the be

in position to take the matter up with the officials here.

memorandum to 164163 He L. W. Stephenson.
The fresil spennens fromded by XX Llan R. Stewart from Rollo. Prissouri, consisting of a fragmentary bone and 12 candal vertebrae, represents a short section from the distal half of the tail of an undetermined member If the dichocauria, The lack of distriction Sprousses on the vertebrase, renders a more fricise determination hazardons! These specimens from been critically compared mit various denocamian caldale in the hational houseun sollections, but none were found that suggested war affinities They army the missouri specieuce might very mill pertain to an undescribed forme." Very truly yours Clo Gilewore

GEOLOGY MINERAL DEPOSITS WATER RESOURCES OGRAPHIC MAPPING MINING

STATE OF MISSOURI

## GEOLOGICAL SURVEY

WATER RESOURCES

ROLLA, MISSOURI Boy 138

May 18, 1942

H. A. BUEHLER

STATE GEOLOGIST

H. S. McQUEEN ASST. STATE GEOLOGIST

Dr. Lloyd W. Stephenson Senior Geologist U. S. Geological Survey Washington, D. C.

Dear Dr. Stephenson:

I am expressing today 12 more of the bones from Bollinger County.

Mrs. Lulu Chronister of GlenAllen, Missouri, has consented to loan these bones to the National Museum. However, she values them very highly and consequently I am insuring them for \$200.00.

I made an error in my first letter to you. There were only 14 bones and since you now have one, this shipment will make 13. The other bone was given away to a friend of Mrs. Chronister's in California which we cannot obtain at present. Please have Dr. Gilmore return the bones either to the Missouri Geological Survey or to Mrs. Chronister of GlenAllen, Missouri.

I might add that the clay from which these bones were obtained is very similar to the black Cretaceous clay which immediately underlies the Owl Creek formation at Ardeola, Mo.

Hoping these bones arrive before Dr. Gilmore departs, I am,

Yours truly,

Dan R. Stewart

Van P. Stewart

Geologist

DRS/mh

164163 May 7, 1942. Mr. Dan Stewart, Geological Survey and Water Resources, Rolla, Missouri. Dear Mr. Stewart: In further reference to the matter of the fossil bones from Bollinger County, Dr. Gilmore tells me that he expects to leave Washington for a 3-months field season in the West, about June 1. It will therefore be necessary to have the bones submitted promptly if you desire an early report on them. I am very much interested to know the explanation of the presence of dinesaur bones, apparently in place, in this area of Paleozoic rocks. As you of course know, dinosaurs did not live earlier than the Triassic, nor later than the Cretaceous. They are strictly limited to the Mesozoic (Triassic, Jurassic, Cretaceous). Sincerely, Lloyd W. Stephenson. 0-5/7/42 LWS: hl

3

Reforder

May 4, 1942

Mrs. Lula Chronister, Glen Allen, Mo.

My dear Mrs. Chronister:

Mr. Dan R. Stewart, Geologist, Missouri Geological Survey, recently sent to me for identification a fossil bone which he stated was found in a dug well on your property

This bone has been examined by Dr. C. W. Gilmore, Curator of Vertebrate Peleontology, National Museum, who is of the opinion that it is a caudal vertebra (tail bone) of an ancient, extinct reptile belonging to the dinosaur group. Mr. Stewart stated that this bone is one of 17 found together in the well.

The finding of dinosaur remains in this part of Missouri is a matter of considerable scientific interest, and I have written to Mr. Stewart (see inclosed copy of letter) expressing the hope that he can arrange with you to lend these bones to the National Museum, in care of Dr. Gilmore, who will endeavor to determine more exactly the kind of dinosaur to which the bones belong.

Dr. Gilmore will be glad to inform you of the results of his exemination, and will return the bones to you promptly.

I will hold the single specimen I have here until I hear from you.

Yours very truly,

Inc.

Lloyd W. Stephenson Senior Geologist

164163 May 7, 1942. Mr. Dan Stewart. Geological Survey and Water Resources, Rolla, Missouri. Dear Mr. Stewart: In further reference to the matter of the fossil bones from Bollinger County, Dr. Gilmore tells me that he expects to leave Washington for a 3-months field season in the West, about June 1. It will therefore be necessary to have the bones submitted promptly if you desire an early report on them. I am very much interested to know the explanation of the presence of dinosaur bones, apparently in place, in this area of Paleozoic rocks. As you of course know, dinosaurs did not live earlier than the Triassic, nor later than the Cretaceous. They are strictly limited to the Mesozoic (Triassic, Jurassic, Cretaceous). Sincerely, Lloyd W. Stephenson. 0-8/7/42 LWS: hl

164163
Resident

May 4, 1942

Mr. Dan R. Stewart Geological Survey and Water Resources, Rolla, No.

Dear Mr. Stewart:

I have delayed answering your letter of April 20 until Dr. C. W. Gilmore, Curator of Vertebrate Paleontology in the National Museum, who was absent on vacation, returned to the Museum.

Dr. Gilmore examined the bone today and is of the opinion that it is a caudal vertebra of a dinosaur, and he would like very much to have the opportunity of exemining the other 16 bones. You will agree, I am sure, that the discovery of dinosaur meterial in Bollinger County is of sufficient interest to justify having it examined more thoroughly, and I hope that you can arrange with the owner, Mrs. Lula Chronister, of Glen Allen, Mo., to lend the bones to the National Museum, care of Dr. Gilmore, for identification. Dr. Gilmore will return the bones promptly to Mrs. Chronister.

I am sending a copy of this letter to Mrs. Chronister.

Sincerely,

Lloyd W. Stephenson Senior Geologist

GEOLOGY
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STATE OF MISSOURI

## GEOLOGICAL SURVEY

AND

WATER RESOURCES
ROLLA, MISSOURI

April 20, 1942

H. A. BUEHLER STATE GEOLOGIST

H. S. McQUEEN
ASST. STATE GEOLOGIST

Dr. L. W. Stephenson U. S. Geological Survey Washington, D. C.

Dear Dr. Stephenson:

I am again bothering you with some southeastern Missouri material. Under separate cover I am sending a bone of some sort of a vertebrate. Please see that it gets into the proper hands for identification.

The bone was one of 17 found at the bottom of a dug well in Bollinger County. Missouria The location is near the cen

This property belongs to Mrs. Lula Chronister, Glen Allen, Missouri, and she would appreciate your writing her as to what the bone is. Also, she would like to have it returned.

Just send me a copy of your letter to her as I would also like to know its identification.

We are still working on our southeast Missouri material and hope to have a report published soon.

Thanking you in advance, I am,

Yours truly, Stewart

Dan R. Stewart

Geologist

DRS/mh

going over these going of the season of fee of 5000 be an offer of 5000 be are offer of their spicioner. If accepted it is undustred they rich send us the additional bone wors in their forsession, and that they rich wake one in California.

Old Gilenore

miss viers:

mill you accessive

milt you accessive

miltiple specimen

consisting of parts (caudal

virtebrae) 14 in all.

Purchased from miss

fula Chromister, Glen

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identified as dinosomian

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