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Girty
Re Ostracods

DEPARTMENT OF THE INTERIOR

UNITED STATES GEOLOGICAL SURVEY

WASHINGTON, D. C., May 8, 1897

Dear Sir:

I have just unpacked your very ample collection of Carboniferous bivalves. It is much more extensive than I had ventured to hope for, and I thank you much both for it and the photographs, and the copy of your paper. I have not had an opportunity for a careful comparison as yet, but a hasty examination goes far to confirm my suspicion that most, perhaps all, of the American forms which I have seen, can be refer-

red to your species. By all means, our most abundant form is *Anthracomya* cf. *elongata*, which I have found at nearly every locality, over thirty in number, and with a range from upper Sub-carboniferous, through the entire Pottsville series into the Lower Coal Measures. It varies much in size and also in shape but after several attempts, and careful study, I can find no grounds for further distinctions. Some of the smaller specimens occurring with *A. elongata*, very closely resemble the *A. obtenta* which you send me, but I have been considering them young *A. elongata*.

I only have *Naiadites* from a single locality - Middle Pottsville. It resembles your *N. longus*, but may be new.

Anthracozya arenacea occurs very abundantly in several localities, at the top of the Lower Carb., and I think I can send you better material than you already possess. Studying your figures (*Quart. Journ. Geol. Soc.* 1894, vol. 1, pl. 20, fig. 14) and judging entirely from external form, I have been referring this species to *Carbonicola*. The form is really very different, as things go, from *N. elongata* and its allies, and you will observe at a glance how closely sim-

ilar, as drawings at least, *A. arenacea* is to *C. angulata*. Is it not possible that better material or a larger series may prove the two closer related than you at first thought? That would make the three types which seem to be nearly universal in our Carboniferous fresh-water deposits, easy to differentiate into their broader groups.

My material also is associated with *Spirorbis*, ostracodes in large numbers, occasional crustacea, and some curious Lamellibranchs which I have not worked up yet. At one locality I have a few *Pecten*, or pectinoid shells with worn or obsolescent plications. Altogether a very interesting fauna. I will be very glad to get from you the references for Mr. Jones' descriptions of your ostracodes, if not too much trouble.

Thanking you very much I am
Very truly yours
George H. Girty.