

## 2021 William H. Mason III Preparators' Grant

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Mark is a Ph.D. Candidate in Anthropology/Archaeology and in his proposal he seeks funding for the cleaning, restoration, and stabilization of Dr. Joseph Barratt's Ichnological tombstone for the benefit of both the general public and for future researchers. The tombstone currently resides at Indian Hill Cemetery in Middletown, CT, however due to Covid-19 at a TBA date the monument will in all likelihood reside in the geological collections at Wesleyan College, Middletown, CT (Peter LeTourneau, Columbia University, personal communication: December 2, 2020).

Barratt's tomb is perhaps one of the finest and most unique tributes to early American ichnology and paleontology ever produced. The front side of the Portland, CT arkosic sandstone, commonly called "brownstone", is engraved with information about Dr. Barratt, however much of Barratt's name is now lost due to delamination. The back side of the stone contains over a dozen well-preserved dinosaur tracks that have been assigned to the ichnogenus *Grallator formosus* and *Brontozoum silimanicum*.

To properly restore, clean, and stabilize Baratt's Ichnological tombstone I will be collaborating with Martin Johnson, who is a conservator and the president of Monument Conservation Collaborative (MCC), LLC. Mr. Johnson has years of experiencing helping to restore and stabilize brownstone monuments, thereby bringing a practical knowledge to this effort. Supplies include scrubbing tools for removal of biofilms (lichen, algae) and an aqueous antibacterial solution along with sodium hypochlorite solutions that aid in the further removal of algae, fungi, and other organisms. To stabilize the delamination of the monument, all surfaces will be treated with an H100 consolidation treatment that protect the monument from further water-related deterioration. After complete curing of the consolidant, a flowable grout pigmented to match the stone is gravity fed or injected into voids.