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There are no laws protecting paleontological finds in New Jersey and rarely does a project get halted for them in the Garden State.

***Batrachopus* track.**

As development continues this spring, Laskowich and McCauley, along with former New Jersey Paleontological Society chief Howie Cohn and New Jersey State Museum research associate Gary Vecchiarelli and others, load their cars with sledge hammers, chisels, crowbars and power saws for off-hours field trips, which K Hovnanian still allows.

McCauley says he keeps detailed trip reports and calculates potential "hot spots" — places where tracks are bound to be found — based on where the developers have recently excavated and on his own knowledge of the strata. The Passaic Formation dips further underground as it runs from the northeast to the southwest, he says, so foundation excavations in the right location could pay off. Such field trips are likely to continue as long as development hasn't completely buried access to the trackways (which it may eventually do). Until that happens, it's likely the hobbyists will try to find a way to collect fossil tracks at the site, and Olsen hopes to collect more core samples of the basalt. But in the meantime, the museum is working on a report on what they've recovered that they will give to K Hovnanian, says David Parris, curator of the state museum.

The "amateurs" deserve much of the credit for the recovery and for providing the foundation for any resulting science, Parris says. The volunteers have turned up several important tracks, but the museum has been selective in the samples it keeps. Even so, its collection has been overwhelmed. "My office is full of rocks, my lab is full of rocks," he says. But, he adds, the rocks will all be interpreted before they're put on display at the museum or in the lobby of the townhouse complex.

The tracks that don't get exhibited in either of those places will hopefully find a home in a new museum called the New Jersey Track and Trace Museum, which McCauley is setting up. The museum, McCauley says, will show off what he and others have collected from various locales throughout the state.

In the meantime, Olsen, Parris and other researchers are still asking questions about the tracks that have been recovered over the years. They want to know whether the prints and their assorted shapes and sizes represent different species, or if they're just growth variations. Olsen says he is preparing a detailed description of the quarry and its fossils for publication, and hopes in the near future to lead study groups out there to see what's left of an end-Triassic ecosystem.

Kristina Fiore

Amateur paleontologists excavate tracks as development of the condo complex continues.

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