

# Chemically cast pyramid blocks?

The Urth list — 1 messages, 1 voices, 24 May 2007

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Matthew King — 24 May 2007, 23:13

Here's a quote from James Jordan's interview with Wolfe a while back:

<http://mysite.verizon.net/~vze2tmhh/wolfebj.html>

Jordan: [T]here was a book a few years age by a chemist who argued that the Pyramids in Egypt were not made of stones dragged up but they were bricks cast in place with a chemical regent to fill it and they were a box with shelves pour in a regent and make the brick right there in place.

Wolfe: ...It is certainly a very interesting idea. There are stones in South America so closely fitted that you wonder if somebody hasn't been doing something like that. Now maybe they just very laboriously carved these stones so that they fit right into each other, but you would think they would just carve them flat like Joe blocks so they would do that but they don't. They wave round and so forth but they fit. They key into each other nicely.

When I read this bit, I immediately went a-Googleing for information, but couldn't find any at the time. Today I saw that someone has continued that work:

<http://www.materials.drexel.edu/Pyramids/>

From the white paper:

"In the mid-1980s, Davidovits proposed that the pyramids were cast in situ using granular limestone aggregate and an alkali aluminosilicate-based binder that he named a geopolymer. Hard evidence for this idea, however, remained elusive until our very recent paper in which we present compelling microstructural evidence that supports his idea in part. Based on our work, it now appears that the glue that held the limestone aggregate together is not an alkali aluminosilicate-based binder, but more simply, an amorphous silica binder. Also, in disagreement with Davidovits, we do not believe that the entirety of the pyramids are cast; only select critical parts such as the outer and inner casings, and most probably the upper echelons."

The original research was:

J. Davidovits, "X-rays analysis and XRD of Casing Stones from the Pyramids of Egypt, and the Limestone of Associated Quarries", David, R.A. (ed.), Science in Egyptology Symposia, Manchester U Press, Manchester, UK 511-520, (1986).