

Crystallographic examination of stone walls *Preliminary announcement*

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The present announcement reports on a new nondestructive technique used to examine a number of stone walls at a site in South-East Amsterdam located at coordinates (592,41,78) of [1]. Other examinations, using different techniques, have been reported on before [2]. As suggested by the results of [2] we concentrated on evidence of spontaneous pattern formation.

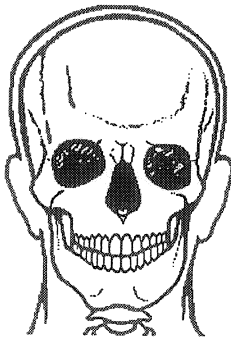
A nondestructive technique involving the use of scattered waves was used; nondestructivity seemed essential, given the as yet unknown value of the specimens examined. For a discussion of the relative merits of destructive versus nondestructive techniques, cf. [3].

It is not impossible that intermittent vibrations have introduced spurious "Moiré" effects into the data.

Two sample back-scattered wave patterns are depicted on the right and below.

Preliminary statistical analyses indicate that the data are not incompatible with the hypothesis that mnemonic traces, [4], in the materials used served as "template" kernels causing the gradual extrusion of composite material; there may well have been

supplementary sedimentary effects. Erosion is believed to have played but a minor role.

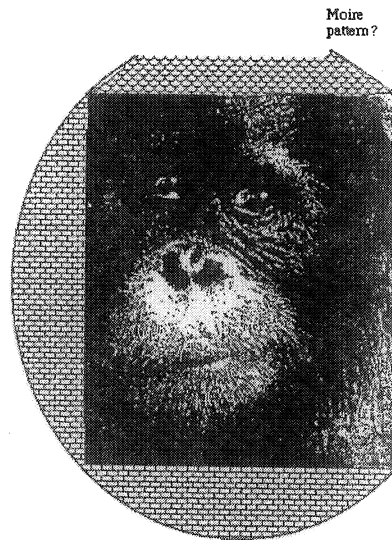


Other theories have been considered, including the possibility of a scientific hoax. That, however, seems unlikely, given the hardness of the material and the absence of a profit motive. For that matter, the hardness of the material, as evidenced by the persistence of vibrations, counterindicates any human mediated origin of the patterns observed.

As to the nature of the mnemonic seed patterns, which may have catalyzed—through some diffusion limited accumulation process—the formation of the patterns observed, no convincing hypothesis has yet emerged. Similarity of the second pattern above to patterns occurring in defense walls in Northern China suggests residual organic origins. This is emphatically denied by one of the junior researchers of the team [5].

References

- [1] *Ordnance survey of the "Golden Triangle"*, SMC Stereographic Division, 1981.
- [2] J. Nuis, *Mededelingen CWI*, practically every issue.
- [3] B. Stonewall Jackson, *Destructive and nondestructive warfare*, Baltimore Quarterly 23(1789), 13 - 169.
- [4] M Proust, *Remembrance of things past*, Hermann, 1965.
- [5] I.-T. Yu So, *Mineralogical origins of structures in Northern China*, J. historic Restructuring 2(1972), 7 - 49



different Moiré pattern?