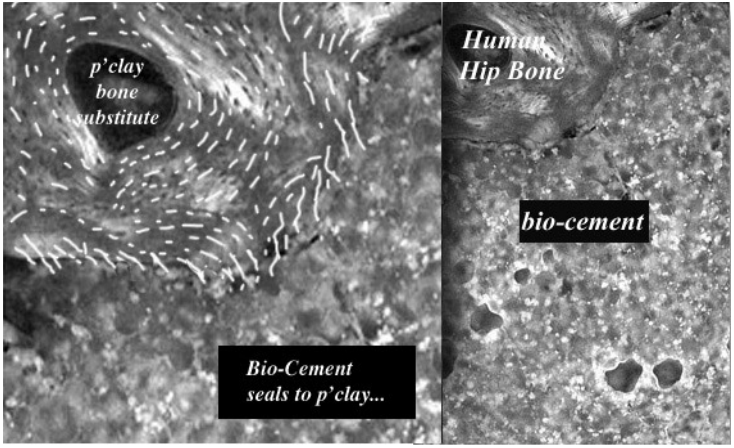

"Gem in the Rough" Human Bone Prosthesis

Build up a new bone with successive layers of rotary wheel "combed" P'Slip applied to match the exact density, composition, structure, contour, and natural growth patterns in the human bone. Sketch of my P'Slip fiber alignment idea (white and dark dash marks) is overlaid over an actual SEM of the sample hip bone to illustrate the basics of the concept. Contact me for further specifics on this.

Medicine-Bio-Engineering

Strength, plus controlled porosity, from nature's "fiber" can serve as a strong bone subsitute/extension for repair without need of metal pins left in the body after surgery. Bubble-foam porous systems could be used also in combination as design warrants.

Special Use Materials

Rock hard zirconia based ceramic, and other base recipes, could serve even more duty than they do at present. Micro-foam porosity could be be used for the interior in partnership with versions of P'Clay and P'Slip. When the principles and basic forming methods suggested in this book enter the realm of ceramic engineering and materials science, the results will prove workable. A fresh look at the tile on spacecraft, in light of what has been learned about paperclay, might well be worthwhile.