

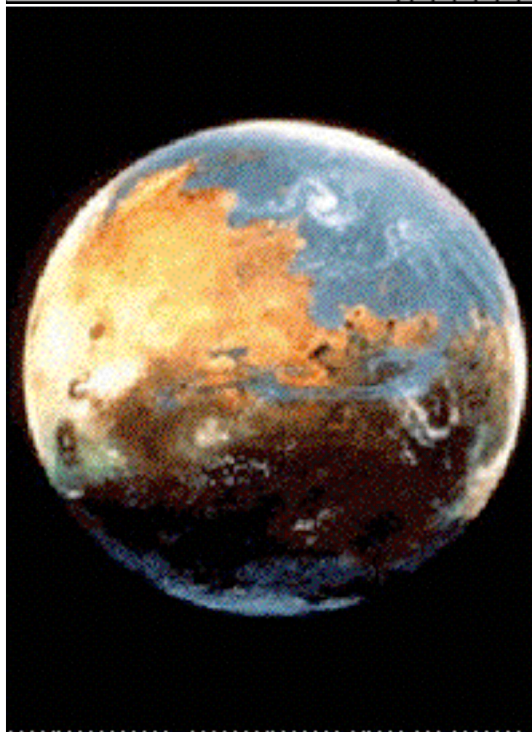
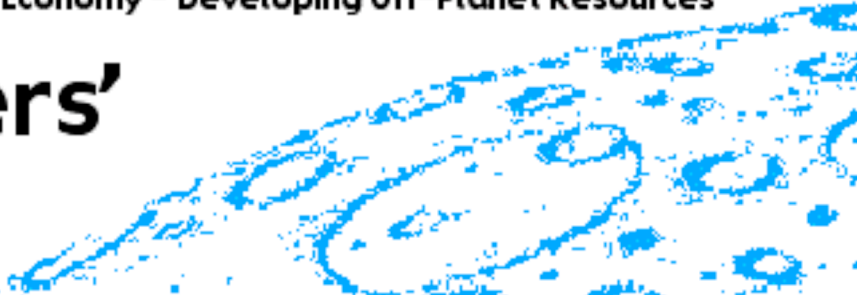
Moon Miners' Manifesto

& The Moon Society Journal

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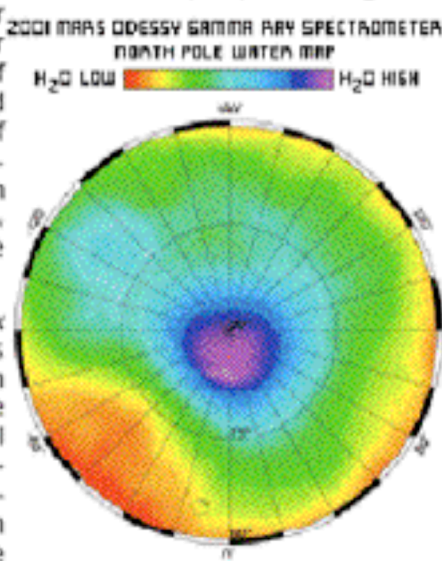
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MARCH 2008



"Terra-formed Mars" by noted artist Michael Carroll, shows the northern (boreal) low-lying basin filled with water. The jury is still out whether Mars once had such an ocean covering 25% of its surface, or not.

Mars Phoenix lands on Mars, May 25, 2008 to look for subsurface ice near the North Polar Ice Cap. Previously, 2002 Mars Odyssey Orbiter gamma ray spectrometer scans looking for the signature of hydro-gen detected large amounts of subsur-face water-ice in the northern arctic plains. [red-lower and blue higher]. The Phoenix lander targets this area; a robotic arm digs through the protective top soil layer to the water-ice below and ultimately, brings both soil and water-ice to the lander platform for scientific analysis.



Feature Articles in This Issue

Our Annual Mars-Theme Issue

- Railroads on Mars by Peter Kokh pages 3-4
- Railroad System Illustrations page 5
- MMM Platform for Mars, 2.0. pages 6-8
- Solar Power Beaming Demonstration Project page 10

Railroads on Mars? Why Not? >>>

Fifteen years ago, an MMM reader-brainstorming group tackled the idea of railroading on the Moon. Check out http://www.lunar-reclamation.org/papers/rr_moon.htm Now we are revisiting the idea, not just for the Moon, but as a settlement-spreading architecture for Mars. In this issue, we take a look at the design challenges that are unique for Mars, and introduce a new Google Group that readers can join to get in on the fun. Pages 3-4

In Focus Rocket Science is not Enough to get us to Mars and back

We can't launch a manned mission of over two weeks without an umbilical supply line for oxygen & water.

First, let's get one thing clear, this writer is, and has always been, a strong supporter of manned exploration of Mars, and of eventual settlements there. Nor is this about the stupid "Moon or Mars" debate, when it is amply clear that we must do both. It's about what Mars advocates won't even tell themselves, [> p. 2, col. 2]

