

Re: Another problem with longer flights

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- *From:* Fred J. McCall <fjmccall@xxxxxxxxxx>
 - *Date:* Wed, 28 Jan 2009 21:25:38 -0700
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jacob navia <jacob@xxxxxxxxxx> wrote:

:Pat Flannery wrote:

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:> Borked Pseudo Mailed wrote:

:>> The evolution of species on Earth has depended on gravity for
:>> billions of years. Why are we so ignorant to think that we can solve
:>> the adverse effects of weightlessness within a couple of decades? Why
:>> aren't we more pragmatic?

:>>

:> Weight.

:> Building something that spins and generates 1 g like in 2001 means its
:> going to have to be huge, as studies have shown that unless it's around
:> 400' in diameter the crew are going to get sick as they move around
:> inside of it from having "up" constantly changing between their head and
:> feet as they move from point to point on its periphery.

:> This is going to cause dizziness and nausea.

:> The centrifuge aboard the Discovery was only generating 1/6 g and even
:> then it was way too small to prevent the astronauts from getting sick:

:> <http://www.visual-memory.co.uk/amk/doc/gaffe.html>

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:Exactly. That is why human space travel will have to wait
:until we can build huge spaceships.

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:To just go to Mars, with a 2-3 year stay in space, we would need
:a huge, rotating, ship, shielded from space radiation by several
:meters of water. This will not be feasible with current technology.

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:We will need a radically new way of accessing space before such ships
:become possible.

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:With the *current* knowledge we have, automatic robotic exploring is the
:only way to go.

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You mean the current knowledge YOU have. The rest of us are somewhat
brighter and better informed.

Re: Another problem with longer flights

No "huge, rotating, ship, [sic]" is required. A much smaller ship, a rope, and a counterweight will achieve the same end.

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"Some people get lost in thought because it's such unfamiliar territory."

—G. Behn

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