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June 15, 2005

Dear Editor,

This work came out of the novel suggestion of Richard Hoover, based on examination of CI carbonaceous chondrite Orgeuil, that comets were likely to have liquid water on them. We began with the Whipple model, and attempted to introduce liquid water, which led to a number of surprising predictions and explanations for strange comet behavior. Then when Deep Impact was launched, we realized that we had a rare opportunity to make a prediction before a significant scientific measurement. If you think this paper would be better as a Brief Communications, please let us know how we should shorten it. In any case, the July 4 collision of Deep Impact with Comet Tempel-1 is our prediction deadline.

- yours truly,
- Robert Sheldon