

Editorial

Finding Doomsday Asteroids

- [Sign In to E-Mail or Save This](#)
- [Print](#)
- [Share](#)
 - [Digg](#)
 - [Facebook](#)
 - [Newsvine](#)
 - [Permalink](#)

ARTICLE TOOLS
SPONSORED BY



Published: April 3, 2007

How much effort should we expend to ward off the possibility that an asteroid might some day collide with Earth? Space experts attending a recent conference in Washington lamented the failure of the federal government — indeed, of the entire world — to take the threat seriously enough. The National Aeronautics and Space Administration, at virtually the same moment, advised Congress on steps that could be taken to find and divert threatening asteroids only to conclude that it couldn't afford them.

That seems shortsighted. The risk is remote, but the consequences are potentially catastrophic. It would seem wise, at a minimum, to look harder for any death-dealing rocks that might menace us.

The encouraging news is that the most horrendous hazards — asteroids like the one that wiped out the dinosaurs or even smaller objects whose impact could disrupt the global environment — have mostly been identified under a \$4 million-a-year survey program. The space agency estimates that there are some 1,100 near-Earth objects whose diameters exceed six-tenths of a mile, big enough to destroy a medium-sized state and kick up enough dust to affect global climate and crop production. The survey has already identified more than 700 of them. None are on a path to collide with Earth.

More troublesome is the threat of smaller asteroids, greater than 460 feet in diameter (about one-seventh the threshold of the really scary big ones), that could devastate a region but not the whole globe. NASA estimates that some 20,000 of these might be potentially hazardous; it has identified only a fraction of them. Two years ago Congress asked NASA to propose new search programs and to analyze ways to divert any asteroids on a collision course with Earth. The agency did that in a March report to Congress, but it balked at the notion of spending up to \$1 billion or more to build search instruments or spacecraft.

That is understandable. NASA is burdened with the need to finish the space station, build a successor to the shuttles, return to the moon and conduct wide-ranging research. It already has more jobs to perform than money to perform them. But finding asteroids that might threaten the planet, and studying their characteristics in the process, is probably more important than at least some of the other robotic missions mounted by NASA. Congress should either add funds to the agency's budget, or the agency should divert funds from other programs to accelerate the asteroid hunt.

Developing ways to deflect asteroids is more problematic. NASA suggests that the best solution would be to explode a nuclear bomb next to an asteroid to deflect it off course, but international aversion to nuclear weapons in space would make that approach difficult without a global consensus. Other experts favor a high-speed ballistic impact or using the gravitational attraction of a hovering spacecraft to nudge the asteroid off course. Before plunging ahead with an asteroid-deflector,

let's wait to see whether a real threat even exists.

[More Articles in Opinion »](#)

Ads by Google

[what's this?](#)

[Emergency Food Supplies](#)

Emergency kits and supplies. Buy food bars, MREs, and more
[food-emergency.com](#)

[Erie Pa EMT & Paramedics](#)

EMT and Paramedics Training School Become a Paramedic or EMT Very Fast
[www.tsbi.edu](#)




[Firefighters Bookstore](#)

First responder, fire, rescue, and EMS, books, videos, and software.
[www.firebooks.com](#)

Tips

To find reference information about the words used in this article, double-click on any word, phrase or name. A new window will open with a dictionary definition or encyclopedia entry.

Past Coverage

-  [Prediction Proved: Light Speeds Up an Asteroid as it Spins \(March 13, 2007\)](#)
-  [Tracking of Killer Asteroids Runs Low on Money and Short on Time \(March 12, 2007\)](#)
-  [Astronomers in a Quandary Over Pluto's Planet Status \(August 23, 2006\)](#)
- [National Briefing | Science And Health: Asteroid Passes By Earth \(July 4, 2006\)](#)

Related Searches

- [Asteroids](#)
- [Space](#)
- [Earth](#)
- [National Aeronautics and Space Administration](#)

[More Articles in Opinion »](#)

Inside NYTimes.com

