

HMI, EVE, and AIA E/PO Report

For period September 2006

By Deborah Scherrer

1. **Science Fellow Service Learning Program at Stanford** (*Partnership with Stanford's Haas Center for Public Service and the Stanford Solar Center*) (HMI)

We have 5 Science Fellow Coordinators who started their training the Friday before Stanford classes started. First session was on understanding and working with science process skills. Kelly is in the process of recruiting an additional 20 volunteers. For the first time, the Science Fellows will immediately start working at the Boys & Girls Clubs (B&GC) in the fall. There will be weekly mentoring at Redwood City. East Palo Alto will be holding a quarterly science activities festival in which the Mentors will participate. And Menlo Park B&GC will be hosting an activities "festival" during the school district's "Ski Week," a period when the B&GC host a large number of disadvantaged youth. The B&CG wants to provide an intensive week of 2 hour/afternoon science activities.

Kelly is in the early stages of exploring collaboration with the Gardener Center in the School of Education. This is facility for studying how communities build strong school systems. The Gardener Center is very familiar with the Redwood City School District and is doing much of their research there. Questions they are looking into include how after-school programs support and encourage students, to what extent academic enrichment is valuable, and how communities develop and support academic goals. One of their prime tactics is how to learn from failures. If this collaboration works out, the Science Fellows would provide content and Gardner will research how this might affect students' academic achievement and child development.

2. **Space Weather Monitors Program** (*jointly funded by HMI, NSF/CISM and NASA/SOHO/MDI*)

70 SID monitors have been shipped. Most of our initial 100 of funded monitors are now assembled; we are hoping for additional funding from our NASA IHY proposal before we can manufacture any more. A total of two AWESOME monitors and approximately 10 SID monitors have been ordered by Volker Bothemer of the Institute for Astrophysics at the University of Goettingen and EADS ASTRIUM. These monitors are to support the German IHY program and funding accompanies the requests.

3. **IHY & IPY Project (HMI & EVE)**

Debbie arranged with the Stanford Alumni Office to post a request for Stanford alumni volunteers to help us with translating the SID & AWESOME materials into the 6 official languages of the UN (Arabic, Chinese, (English), French, Spanish, and

Russian). Almost immediately she received offers for help with Arabic, Chinese, and 2 for Spanish. These people have all received materials and are already working on them. Some expected to have something to return within the week.

Joe Davila of the UN has arranged to place an AWESOME monitor in Libya. We hope to provide AWESOME materials translated into Arabic for this placement. We also explored whether a couple SIDs might accompany the AWESOME. Concern was expressed about overcomplicating the arrangements, which evidently were already difficult to make. So, we will continue to pursue placing SIDs in Libya, though most likely through different channels.

Mark McCaffrey is looking into use of the SID monitors in the International Polar Year programs (<http://www.ipy.org/>). Contacts have been set up with the appropriate personnel. An IPY 2007 Space Science Symposium is scheduled for 4-9 May 2007 in Kangerlussuaq, Greenland, and would be an ideal place to highlight the monitors. We are looking for funding to send a representative.