



First Quarter 2006

## A WORD FROM THE PRESIDENT



At the very root of our success is our ability to communicate the relevance of our work to the technical community and the general public. At QuakeFinder we are gathering momentum in our outreach efforts. The 100<sup>th</sup> anniversary of the 1906 San Francisco quake has generated opportunities, such as the special conference on April 18-22, that provide a forum to get the word out about forecasting research. Quakefinder will have a booth there so make sure to come and visit! Another commemoration is organized by History San Jose and Quakefinder is participating with a poster and interactive display featuring CalMagNet magnetometer data. The event is called “It’s Our Fault, Too: The 1906 Earthquake in Santa Clara Valley” and will take place from April 11, 2006 to December 30 at the Leonard & David McKay Gallery, Pasetta House, History Park . Recent and future stories featured in the media about QuakeFinder and earthquake prediction include the cover article on IEEE Spectrum magazine, the Weather Channel (Weather.com), KTVU (Oakland), KCBS San Francisco and Wired magazine.

On the technical side, we have made good progress integrating our 10 new QF-1005 instruments and moving them through their pre-operational test cycle. The WildBlue satellite-based Internet is working great, and after a few glitches with the WiFi radio equipment and GPS receivers, the units are becoming more reliable. We are also planning the first steps to integrate other EM phenomena (e.g. thermal IR, ionospheric disturbances, and satellite (DEMETER) data to help identify active quake areas and to reduce false alarms.

*Tom Bleier  
President*

See you at the conference!  
Moscone Center -San Francisco  
APR 18-22- Booth 1323

## EARTHQUAKE ALARM

By Tom Bleier and Friedemann Freund

“Impending earthquakes have been sending us warning signals—and people are starting to listen”. The article recently published by IEEE Spectrum magazine generated inquiries from scientists in India, Pakistan, Taiwan, China, South Korea, Indonesia, Russia, Japan, and Greece that can potentially lead to future collaborations and global expansion of our sensor network to accelerate progress in the earthquake forecasting arena. Read the full article at:

[www.spectrum.ieee.org/dec05/2367](http://www.spectrum.ieee.org/dec05/2367)



## 100th Anniversary Earthquake Conference

Even if the advances in technology today mean that businesses and government agencies are better equipped to respond to an emergency, experts estimate that a quake of similar magnitude to the San Francisco



1906 earthquake would have an economic impact of \$100 to \$200 billion. The Earthquake Conference to be held in San Francisco on April 18-22 is bringing together the foremost experts in earthquake engineering, geology, and seismology from around the world and over 200 policymakers and elected officials from California and the nation with the aim to advance the practice of earthquake engineering and cross-professional collaboration.

Find more information at <http://1906eqconf.org>

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