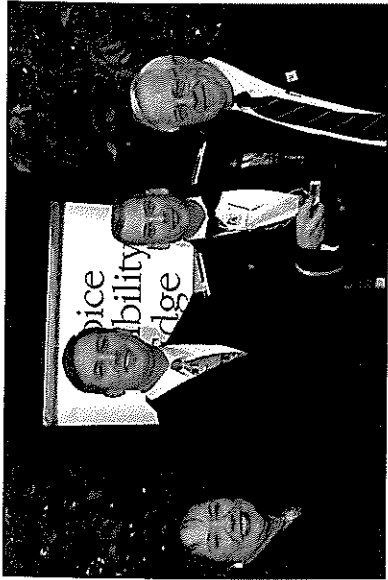


Accepting the CSA SpotBeam Award for National Security Military Space is Col. Jack Weinstein, Commander, 30th Space Wing, Vandenberg Air Force Base (second from right). Ray Deutisch, CSA Board member representing Westberg + White Architects and Planners, presented. Andrea Seasstrand and Mark Crowley were also present.



Accepting the SpotBeam Award for Commercial Space are Trimble Navigation Systems' Ann Ciganer, Vice President, Strategic Policy, and Bruce Peetz (far right). Vice President, Advanced Technology. Presenter was California State Assemblyman Lloyd Levine (second from left). Mark Crowley is also shown.

Tom Bleier (center) of Stellar Solutions accepts the SpotBeam Award for innovation for the QuakerFinder Project from Eric Butte of Space Systems/Loral. Mark Crowley (left) is also pictured.



Jim Maser, President/CEO, Sea Launch, accepts the International SpotBeam Award from presenter California State Assemblyman Hector De La Torre (far left). Andrea Seasstrand and Mark Crowley are also shown.

Also in attendance were (from left to right) Brig. Gen. Ellen Pawlikowski, Col. Al Bailenger, Lt. Gen. Mike Hamel, Maj. Gen. Thomas Taverney, and Col. Woody Haywood.



CSA Board Chairman Mark Crowley (back row, second right) and Executive Director Andrea Seasstrand (front row, right) are pictured with CSA team members: (front, left to right) Matt Everingham, Patti Ruiz Baker, Janice Dunn, Elizabeth Burkhead; (back, left to right) CSA volunteer Terry Hanson, Carl Williams, Eric Daniels and Jamie Foster.

picks up a sweater from the counter of a department store might suddenly see an advertisement or other information about that sweater on a nearby HDTV screen connected to via a satellite connection using Internet Protocol (IP) technology.

This new market is promising enough that Lindon, Utah-based Heliuss Inc. is counting on satellite video over IP to provide much of its near-term growth, said Nate Hatch, the company's vice president of business development.

Heliuss sells the software and hardware that allows companies to take advantage of satellite services. Most of the Heliuss equipment currently on the market is used in the well-established business of providing private satellite communications networks for large companies with dozens or hundreds of sites that use satellites to send data back to corporate headquarters or to receive video for conferencing or employee training programs.

The company's clients include Detroit-based General Motors, its biggest customer which has a network with 16 full-time channels that run 16 to 17 hours per day, the New York-based pharmaceutical company Pfizer and the Atlanta-based exterminating company Orkin, Hatch said.

Hatch said the corporate communications users currently account for about 70 percent of Heliuss' revenue. The remaining 30 percent comes from digital signage, or when companies use that same equipment to deliver advertising-related content.

Using Heliuss' technology, one message can be sent out over one

"Smaller enterprises need a quicker return on their investment," Baugh said. "I think the larger businesses will drive the business initially, and the small guys, I think, will get it in the long term."

Heliuss is hoping to tap into that smaller business market. The company plans to announce a package system in the upcoming months that will appeal, cost-wise, to smaller businesses trying to break into the digital signage market. Hatch said he receives calls from many small business owners who have

ect the corporate communications video-training applications market to remain vibrant in the upcoming years, it is digital signage which they see as really picking up speed.

Mountain said that new technology development, particularly in the areas of chips and modulation techniques, should allow video over IP using satellite to be delivered at a much cheaper and faster rate by the close of 2006.

"There's a significant opportunity for growth there," Mountain said.

Heliuss announced Feb. 6 that it had developed an application to combine digital signage and corporate training using the same equipment. This allows an employee with idle time during the workday to access terminals used for advertising to receive training information, Hatch said. Ned Mountain, president and chief operating officer for Wegener Communications, said satellite is not always cost-effective for small-scale operations doing corporate communications video tasks.

## Earthlink Signs Deals With DirecTV, EchoStar

Internet Service provider Earthlink announced partnerships with both DirecTV and EchoStar communications Feb. 20.

By the end of the first quarter of 2006, according to a Feb. 20 Earthlink press release, Atlanta-based Earthlink will offer customers in some markets a bundled package of DirecTV and Earthlink services such as data, voice and video. Under a separate agreement, it will offer bundled services with EchoStar's Dish Network as well.

The prices at which the bundled services will be offered were not released, nor were the regions of the country in which the services will be offered.

Extremely Low Frequency magnetic fluctuations that have been observed prior to earthquakes.

According to a Feb. 22 WildBlue press release, the data is transferred via WildBlue's service back to the company's data center in Palo Alto.

The research QuakeFinder is doing will be used to try to provide early warnings for earthquakes, the release said.

## Radyne Receives \$1.3 Million Order for Modems, Converters

Radyne Corp. snared a \$1.3 million order for satellite modems and frequency converters from a South Asian integrator, according to a Feb. 21 Radyne press release.

The satellite electronics division of the Phoenix-based company said this is the third order in a series that totals almost \$5 million from the same customer. The company is not disclosing the name of the customer, Malcolm Persen, Radyne's chief financial officer, said in a Feb. 24 telephone interview.

The equipment is intended for use in the development of the country's largest landline and mobile telephone network, the release said, and the equipment will be shipped during the first quarter of 2006.

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## WildBlue Connects Researchers, Remote Earthquake Sensors

Satellite broadband is being used to transfer research data about earthquakes from sensors placed in remote areas.

QuakeFinder, a company based in Palo Alto, Calif., is using broadband connectivity provided by WildBlue Communications Inc. of Denver to transfer data collected by ground sensors that measure