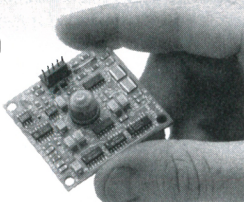


FIND ANGULAR POSITION WITH EASE AND PRECISION

**GRAVITY REFERENCED
INSTALL ANYWHERE
UP TO $\pm 60^\circ$
OPERATING RANGE**



Our precision tiltmeters give you new abilities to measure the angular movement and position of:

- Antennae
- Lasers • Telescopes • Foundations
- Any machine or structure

Use to find level, measure static tilts or determine pitch and roll. Choose from our:

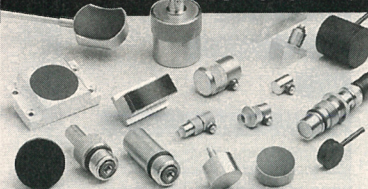
- 500 Series – nanoradian resolution
- 700 Series – microradian resolution
- 900 Series – 0.01 degree resolution

**APPLIED
GEOMECHANICS**

1336 Brommer St., Santa Cruz, CA 95062 USA
Tel. (831) 462-2801 • Fax (831) 462-4418
applied@geomechanics.com
www.geomechanics.com

Circle number 31 on Reader Service Card

INNOVATIVE PIEZO Transducers



A Full Service Manufacturer of Quality Ultrasonic Products.

Strict quality control, testing and calibration procedures from design to manufacture, continually assure the highest quality ultrasonic transducers and sensors.

- | | |
|--|---|
| ☐ Air Transducers & Buzzers | ☐ High Temperature to 480°C Continuous |
| ☐ Angle Beam | ☐ Level Measurement |
| ☐ Cables & Adaptors | ☐ Medical Diagnostic |
| ☐ Contact | ☐ Oil & Gas Downhole |
| ☐ Dual Element | ☐ Thickness Gaging |
| ☐ High Temperature | ☐ Wedges |
| ☐ Immersion-Pencil | |

ETALON is an OEM supplier and contract manufacturer. Contact us and let our expertise work for you.

Etalon Inc.
Innovative Piezo Transducers

1600 W. Main St., P.O. Box 127, Lebanon, IN 46052
(765) 483-2550 • FAX: (765) 483-2560

Circle number 32 on Reader Service Card

regular follow-up meetings to evaluate progress in implementing the resolutions.

Graduate student employees throughout the University of California system have voted for union representation. In April, the UCLA union was the first to win, and by 18 June, the other seven campuses had followed suit. The eight unions, all affiliates of the United Auto Workers, represent nearly 10 000 student employees, 55% of whom took part in the elections; of those, 68% voted for unionization. The union expects to focus on such issues as workload, fee remission, health care coverage, wages and cost-of-living adjustments, and a grievance and arbitration procedure. Meanwhile, at the University of Minnesota, teaching and research assistants firmly rejected unionization for the second time in a decade. The Minnesota results, announced in mid-May, put the vote at 1248 in favor of the union and 1713 opposed, with a 73% turnout. (See PHYSICS TODAY, May, page 57.)

In June, Bulgaria became CERN's 120th member country. Bulgarian scientists have participated in CERN research for decades, with about three dozen of them currently working on experiments on the Large Electron-Positron collider and the Large Hadron Collider's Compact Muon Solenoid. At a ceremony marking the occasion, Bulgaria's minister of education and science, Vesselin Metodieff, said, "One of the priorities of our government is to

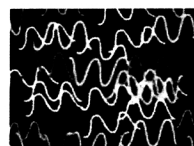
develop and maintain competitive science in Bulgaria. Our membership in CERN is an important step in this direction as it will enable many Bulgarian scientists, engineers, and technical staff to work at the leading edge of science and contemporary technologies." This year, Bulgaria's contribution will be \$319 000, or about 0.05% of CERN's annual budget, and it will increase in steps during the next two years. Romania and Slovenia are also considering joining CERN.

We have done our best to turn the tide... of testing every fact in science by a religious doctrine." So declared defense lawyer Clarence Darrow at the conclusion of the infamous Scopes "Monkey Trial" of 1925. With echoes of Scopes, the National Academy of Sciences has revised and reissued its *Science and Creationism* report, first published in 1984, which lays out its case against teaching religious concepts in science classes and analyzes the major arguments used by proponents of "creation science." The report, as well as the 150-page *Teaching about Evolution and the Nature of Science*, can be purchased from the National Academy Press, 2102 Constitution Avenue NW, Lockbox 285, Washington, DC 20055. NAS has also set up a Web site, <http://www4.nas.edu/opus/evolve.nsf>, with links to other resources on evolution. ■

Web Watch

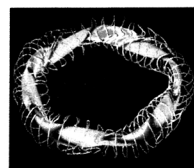
<http://superstringtheory.com/>

Belying its portentous name, *The Official String Theory Web Site* is, in fact, an entertaining, accessible compendium of information about strings and their role in theoretical physics and cosmology. Also featured on the site, which was created by Patricia Schwarz (who identifies herself as being with Superstringtheory.com), are interviews with several leading string theorists.



<http://www.ornl.gov/fed/mhd/mhd.html>

From Oak Ridge National Laboratory's fusion energy division comes a Web site devoted to the *Visualization of MHD Phenomena in Tokamaks and Stellarators*. The computer-generated images show the configurations of fields and plasma in several experiments from fusion labs around the world.



<http://www.birrcastle.com/birr/astrometry/astframes.html>

Built by the third earl of Rosse in the 1840s, the 72-inch *Birr Castle telescope* was long the largest telescope in the world. The restoration of the telescope and its observatory, located on the grounds of Birr Castle in central Ireland, began three years ago and is nearly complete.



To suggest topics or sites for Web Watch, please contact ptwww@aip.org by e-mail. Compiled by CHARLES DAY