

Video Systems: Sitting On A Gold Mine In Nevada City

**A New Tek Building
In California Is Cooled By
Water From 19th Century
Mine Shafts & Tunnels**

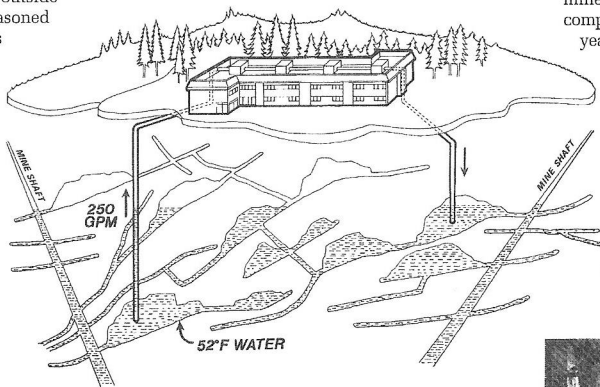
Video Systems Division's Grass Valley Group is using abandoned 19th century gold mines to cool its new building in Nevada City, Calif.

While studying old mining maps of the area, Grass Valley Group Facilities Manager Ken Myers discovered that several shafts and tunnels extend

under the Grass Valley Group property. Working with his staff and outside contractors, he reasoned that the old mines would contain huge amounts of cool water, and that it would be practical to pump the water to the surface and circulate it through the building's air handling equipment.

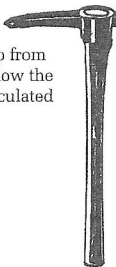
The idea works. Early in 1994, drillers completed two holes down to the mine and installed a 40-horsepower pump. The water, 52° F, clean and free of harmful chemicals, is drawn up from 325 feet below the surface, circulated

Grass Valley Group Minewater Cooling System



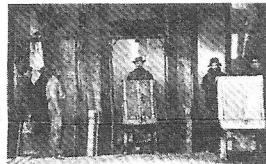
through four cooling coils, and returned to the mine, where massive amounts of rock again cool it.

The system handles two-thirds of the cooling requirements for the 72,000 square-foot building. A mechanical chiller provides the rest.



System monitoring now indicates that using the mine water will save the company over \$20,000 a year. The company also received a \$67,000 rebate from the Pacific Gas & Electric utility company for the mine water system and other energy-saving features in the new building. There's more than one way to strike it rich with a gold mine.

—By Larry Lansburgh



The original design of the new building called for the installation of underground thermal storage tanks. When initial tests indicated the enormous potential of the mine water, however, it was obvious that the tanks were no longer necessary. Money saved by eliminating the tanks covered the cost of developing the mine water cooling system.

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- **Watch Out For Thieves**
- **Play It Safe**

TEKTRONIX STOCK CLOSINGS

September 15.....34 1/4
September 16.....38
September 19.....37 7/8
September 20.....38 1/4
September 21.....38 3/8

Most Recent Tek 401(k)
Stock Purchase Price
(Sept. 8 Payday): 34.8038