

The Most Innovative New Products of 1991 Awards

December 4, 1991

PROGRAM

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|--------------------------|--|
| 11:30 a.m. to 12:00 p.m. | Viewing of finalist exhibits |
| 12:00 p.m. to 12:45 p.m. | Luncheon |
| 12:45 p.m. to 1:15 p.m. | Keynote speaker: Kevin
Kinsella, Managing General
Partner, Avalon Ventures |
| 1:15 p.m. to 2:00 p.m. | Announcement of winners and
presentation of awards |

Co-Sponsored By:

The Most Innovative New Products of 1991 Awards

The Most Innovative New Products Awards Competition was established in 1988 to focus attention on the tremendous amount of technological innovation taking place within San Diego's high-tech community. Today's awards ceremony recognizes leaders of technological innovation in a variety of categories. All of the finalists and other entrants are to be commended for their efforts to develop products which represent technological breakthroughs.

FINALISTS

BIOTECHNOLOGY/BIOMEDICAL CATEGORY

INVITROGEN: *TACloning Kit*

Invitrogen's product eliminates the problems associated with conventional Polymerase Chain Reaction (PCR) cloning strategies by working with, not against, the inherent properties of amplified nucleic acids. TACloning allows the direct cloning of PCR products into the multifunctional PCR cloning vector without the use of restriction or modifying enzymes or modification of PCR primers.

STRATAGENE: *Big Blue Mouse Mutagenesis Assay*

Stratagene's Mouse test is the first rapid, short-term *in vivo* mutagenesis screening assay, capable of generating information on the mutagenicity/carcinogenicity risk of compounds in as little as three days at less than 1% of the cost of a long term study. It also reduces the numbers of animals which are required for *in vivo* testing.

THERMOSCAN: *Thermoscan Instant Thermometer*

Thermoscan has applied patented infrared tympanic technology to their thermometers, one for the professional healthcare market and one for home use, which makes them more affordable than previously available tympanic thermometers.

HIGH-TECH ELECTRONICS CATEGORY

FOUR PI: *AutoZoom 3DX X-Ray Laminography System*

Four Pi's 3DX system's ability to zoom provides both on-line inspection and real-time process control for virtually all production line applications. Its flexible automated solder joint and assembly quality analysis produces very fine-pitch and mixed technology production line applications.

OVERLAND DATA: *3210 Magnetic Tape Drive*

ODI's 9-track tape drive is one-third the size and weight of the previous industry standard. In addition, ODI has reduced the number of parts used by half and the power consumption by 75 %, making it much quieter and more reliable than other models. It can thus be used in the PC office environment.

PROXIMA CORPORATION: *Cyclops and Ovation*

Ovation is a true-color, active-matrix LCD projection panel that is able to project both computer and video images, providing fast response time for projecting computer animation, video recordings, or live action television. Cyclops, an interactive presentation pointer, functions like a cordless mouse at the projection screen, so any computer application that uses a mouse can be controlled by the Cyclops wand.

SOFTWARE CATEGORY

ACUPRINT: *SecureCheck*

AcuPrint's SecureCheck software and firmware provides a way to print checks on blank paper using an HP Laserjet printer. It incorporates a MICR toner cartridge which allows the user to print magnetized digits on checks, allowing automatic processing by the banks.

CARDIFF SOFTWARE: *TeleForm*

Cardiff's software eliminates manual data entry by automatically collecting data from forms faxed to a PC. TeleForm uses recognition technology for hand printed characters and marked objects.

HNC, INC.: *Database Mining Workstation*

The HNC Workstation uses state-of-the-art neural network technology to simulate a much closer approximation of how humans evaluate problems and make decisions through data modeling and the production of superior decision support systems.

"X" CATEGORY

AMERICAN INNOVISION: *OmniChrome-9*

AI's OmniChrome, a full color diagnostic system for reading genetic probes and fluorescent-labeled monoclonal antibodies, provides both a large gain in productivity through automation and improved accuracy of diagnosis. The system supplies a fast, automated means of determining cancer in breast cancer tests and PAP smears. *results*

TACAN, CORP.: *Lumitherm 2000*

The advantages of TACAN's fiber optic thermometry over other temperature sensing methods derives from environmental inertness, inherent safety, small size, high speed and multiplexing capabilities. It provides very accurate contact and noncontact measurement between 300° and 600° C.

UNIFET: *UF100 pH System*

Unifet has developed the first pH meter with a solid state sensor. Its many advantages over conventional glass electrodes include: it's nonbreakable; it measures samples as small as one drop; and it needs no maintenance.

A Special CONNECT Award will be presented to a company which has developed a high-tech product that has had a significant impact on San Diego. We thank Don and Darlene Shiley for their generous support which made this award possible.

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