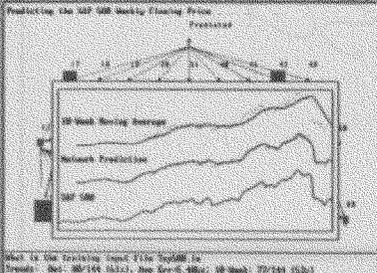
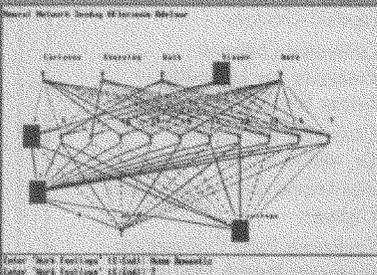


Introducing NeuralWorks™ EXPLORER



Stock Market Forecasting

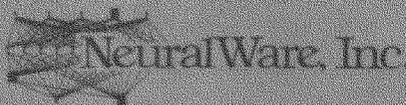


Expert Systems

NeuralWare, Inc. presents NeuralWorks Explorer, a neural network tutorial that provides the novice user with a method of learning neural network theory as well as an environment in which to build practical applications. Available on both the MAC and PC. Price \$99.00. Visa and Mastercard accepted.

The NeuralWorks product line is currently used in:

- Oil Exploration
- Medical Diagnostics
- Industrial Inspection
- Credit Approval
- Process Control
- Insurance Underwriting
- Economic Modeling
- Noise Filtering
- Signal Processing
- Fraud Detection
- Bankruptcy Prediction
- Targeted Marketing



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Applied AI News

The US Army has installed PRIDE (Pulse Radar Intelligent Diagnostic Environment), a diagnostic expert system developed by Carnegie Group (Pittsburgh, PA), in Saudi Arabia in support of Operation Desert Storm. PRIDE is said to be the first diagnostic expert system ever put in the field by the US Army.

American Airlines (Dallas, TX) has developed an expert system — Maintenance Operation Control Advisor (MOCA) — to ensure that every Super 80 (DC-9) airplane meets the airline's and the FAA's aircraft maintenance requirements.

Nova Technology (Bethesda, MD), a new company founded by Naval Research Center scientist Harold Szu, plans to commercialize neural networks made from high-performance superconductors.

Inference (El Segundo, CA) has named Peter Tierney CEO and president. Tierney was formerly VP of marketing at Oracle. His appointment follows on the heels of Inference's acquisition of Expertech, a UK-based expert system company.

The FBI Academy's National Center for the Analysis of Violent Crime (Quantico, VA) has developed an expert system to analyze homicide and rape scenes and produce a description of the offender who committed the crime.

A copyright for a neural network weight matrix has been issued to General Motors' Hughes Aircraft (Los Angeles, CA). The weight matrix is part of a system trained to recognize underwater objects from characteristic sonar signals.

Jeff Pepper, former TestBench product manager at Carnegie Group, has launched a new company, ServiceWare. The company will specialize in advanced computer solutions for the service industry.

Merlin is an expert system developed at Hewlett Packard's Networked Computer Manufacturing Operation (Roseville, CA) to forecast the factory's product demand. It analyzes and predicts a year-out forecast for over 500 products and product options in less than one hour.

Lucid (Menlo Park, CA), producer of the Lucid Common Lisp language, has acquired Peritus, a producer of C/C++ and FORTRAN compilers. Lucid seeks to evolve into a vendor of next-generation software development tools for UNIX programmers.

Consolidated Edison (New York, NY) has developed the SOCCS Alarm Advisor, an expert system that recommends operator actions required to maintain the necessary and continuous power supply to its customers.

Kurzweil AI (Waltham, MA) has received a federal grant to develop VoiceGI, a voice-activated reporting and database management system for endoscopic examinations.

Westinghouse Electric's Science & Technology Center (Pittsburgh, PA) is developing a knowledge-based system to assess the decisions humans make while at the controls of nuclear power plants.

The Semiconductor Products Sector of Motorola (Phoenix, AZ) is working with Applied Intelligent Systems (Ann Arbor, MI) to develop a family of massively parallel, intelligent vision computers.

Phase 1 of the IMKA technology has been released for beta testing.

This news supplement is a service of ISR: *Intelligent Systems Report*, the newsletter of applied artificial intelligence. For further details on the above stories, or to report information on other applications of AI, contact ISR at 2555 Cumberland Parkway, Suite 299, Atlanta, GA 30339, (404) 434-2187, FAX: (404) 432-6969.