New One-Write Plus modules from Great American

Great American Software, publishers and marketers of the One-Write Plus accounting system based on the "one-write" bookkeeping system, have released accounts receivable, accounts payable, and payroll modules. One-Write Plus products run on the IBM PC and compatibles.

All these modules work with the One-Write Plus master, transferring accounting information automatically to the general ledger. Each module can function alongside the manual one-write system or as a replacement. All are menu driven and use the same commands while guiding users with on-screen instructions and a reference manual.

Each module can maintain information on up to 1000 customers, vendors, or employees including background information and transaction histories. The accounts receivable and payable modules automatically record recurring monthly invoices, produce analysis reports, and print aging and open invoice reports. Both modules allow for individual terms and discounts.

The payroll module records all payroll transactions for the year, automatically posting them to the general ledger. It handles employees, subcontractors, and accommodates flexible pay periods while automatically computing gross wages, deductions, federal income tax, and social security.

The One-Write Plus master ledger retails at $295, and modules retail at $245 each. For more information, contact Great American Software, PO Box 910, Amherst, NH 03031; (800)528-5035 or (617)542-5883.

Reader Service Number 31

The Verdict secure LAN

Verdict Corporation's secure local area network (VSLAN) allows different levels of sensitive or classified data to be securely transmitted over an Ethernet/IEEE 802.3 LAN. Incorporating the rigorous design requirements of the DoD's Trusted Computer System Evaluation Criteria, the VSLAN is targeted for an AI-level security rating, the highest currently available.

The VSLAN, unveiled in Washington at the AFCEA International Convention (May 28-30), combines DoD requirements with formal security modeling techniques, trusted software, embedded end-to-end encryption, and hardware protection mechanisms. Security is implemented through a formal security policy for the network, enforced by the Verdict Network Security Center (VNSC) and the Verdict Network Security Devices (VNSD).

The VNSC is a turnkey computer system controlling security and key management of the network. The VNSD is a LAN interface mediating dataflow and implementing encryption at a protected node.

For more information, contact Jack Crosby, Verdict Corp., Sullyfield Business Park, 14130-A Sullyfield Circle, Chantilly, VA 22021; (703) 378-7600.

Reader Service Number 32

Turbo Prolog—a fifth-generation language system

Borland International enters the AI world with Turbo Prolog, its recently released fifth-generation language development system. According to Borland, it outperforms existing Prolog language tools.

Designed for language programming, Prolog was first developed in the early 1970s at the University of Marseille. It has a development environment and programming capabilities not present in fourth-generation languages.

In the past, computer programmers had to instruct computers in problem solving by providing structured series of steps or procedures to follow. With Prolog, programmers need only describe facts—the computer will determine solutions on its own. Prolog brings the ability to infer or derive information from stated facts, taking the PC a step beyond its traditional functions of numerical calculation, data storage, and retrieval.

Turbo Prolog costs $99.95 and is now available for IBM PC and compatible microcomputers. The system includes a reference manual and step-by-step tutorial. For more information, contact Borland International, 4585 Scotts Valley Dr., Scotts Valley, CA 95066; (408) 438-8400.

Reader Service Number 33

Cadre's automated software design tool

Cadre Technologies Inc. has developed Teamwork/SD, a structured-design environment providing automated support for the design phase of the software development life cycle. The second of Cadre's automated software development tools, initial Teamwork/SD shipments are scheduled to begin July 15, 1986.

Running on workstation-based supermicrocomputers, Teamwork/SD supports the structured philosophy of decomposing interrelated system components into more manageable tasks while minimizing the interfaces between components. According to company spokesman Kenneth Dill, "Structured design is the bridge between the analysis of a problem and the implementation of the solution. By segmenting the design effort, management can more easily measure and evaluate design progress and identify bottlenecks and problems."

Teamwork/SD is designed for interactive use on high-performance networked workstation systems including Apollo Domain, IBM PC RT, and Sun Microsystems. The software-only price is $8900. Current users of Teamwork/SA can purchase SD for an additional $3600.

For more information, contact Kenneth Dill, Cadre Technologies Inc., 272 Richmond St., Providence, RI 02903; (401) 351-5950.

Reader Service Number 34

Classified Ads

RATES: $5 per line, $50.00 minimum charge (up to ten lines). Average six typeface words per line, nine lines per column inch. Add $4 for box number. Send copy at least six weeks prior to month of publication to: Sandra J. Arteaga, Classified Advertising, IEEE SOFTWARE Magazine, 10862 Los Vaqueros Circle, Los Alamitos, CA 90720.

In order to conform to the Age Discrimination in Employment Act and to discourage age discrimination, IEEE SOFTWARE magazine refuses to print any advertisement containing any of these phrases or similar ones: "...recent college grad...", "...1-4 years maximum experience...", or "...up to 5 years maximum experience."

IEEE SOFTWARE reserves the right to append to any advertisement, without specific notice to the advertiser, "Experience ranges are suggested minimum requirements, not maximums." IEEE SOFTWARE assumes that, since advertisers have been notified of this policy in advance, they agree that any experience requirements, whether stated as ranges or otherwise, will be construed by the reader as minimum requirements only.

WANG INSTITUTE OF
GraDuate Studies
School of Information Technology
Software Engineering Faculty

Wang Institute provides a unique educational environment that combines the best features of academe and industry. Faculty members teach one graduate course per semester, interact closely with small numbers of graduate students who have industry experience, supervise production quality software projects, and pursue their individual research interests.

Positions are available for full-time faculty members and one-year visitors who have experience using and teaching the technical and managerial principles of software engineering. Faculty members receive industrial salaries and are provided with sufficient equipment and support staff to achieve their professional goals. Each faculty member is expected to maintain a reasonable balance between research in software engineering and exposition of that material in the classroom. Teaching ability and an interest in graduate-level education are essential.

The campus of the School of Information Technology is located near the Boston hi-tech and university areas which provide rich environments of academic, cultural, and professional activities. Instructional computing facilities at Wang Institute include a VAX 11/750 (VMS), a VAX 11/780 (UNIX), a Prime 750, a Wang VS100, Apollo Domain, and IBM, Apple, Wang, and Hewlett-Packard personal/professional computers. A growing collection of software tools for software engineering is maintained by the staff of the Wang Institute Software Environment project.

Applicants should submit the names of three references and a resume that indicates professional specialization area, teaching experience, and experience in the practice of software development and/or software management to: Richard E. Fairley, Faculty Chair, Wang Institute of Graduate Studies, Tyng Road, Tyngsboro, Massachusetts 01879.

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