



32-bit Applications  
for  
Microsoft<sup>®</sup> Windows

Fall/Winter 1992

If you are a Microsoft Windows NT developer and would like to receive information concerning participation in future editions of The 32-bit Application Guide, please write to the address below. Note that Microsoft does not guarantee that future editions of this publication will be produced.

The 32-bit Application Guide  
c/o Microsoft Corporation  
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The Microsoft® Windows NT operating system is a powerful, 32-bit Windows operating system that features preemptive multi-tasking, scalability across hardware platforms, and other sophisticated facilities to support high-end computing on desktops and servers. Although Windows NT is a new operating system that is not based on MS-DOS®, it is fully compatible with existing applications for the Windows and MS-DOS operating systems, as well as new 32-bit Windows-based applications. With these features, Windows NT combines the productivity, ease of use, and broad application availability of Microsoft Windows with the power, security, and reliability required to support a sophisticated line of business applications.

To date, over 25,000 developers have acquired the Microsoft Win32 Software Development Kit (SDK), making it clear that leading industry and corporate application developers are creating 32-bit applications. There are over 500 listings in this catalog testifying to the broad industry support for Windows NT. The applications featured come from a wide range of categories such as development tools, high-end server applications, business applications, utilities, multimedia authoring tools, and information services. Applications previously written for MS-DOS, Windows 3.1, OS/2®, UNIX®, VMS® and MVS operating systems on desktops, workstations, servers, minicomputers and even mainframes will be available as 32-bit Windows-based applications for Windows NT and the Windows family of operating systems.

I invite you to take a look through this catalog, and see a few of the many leading applications that are currently being developed for Windows NT.

Sincerely,

Paul Maritz  
Senior Vice President, Systems Division



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## Accounting/Finance

Bauhaus Technology, 7207 W. 110 Street, Suite 272, Overland Park, KS 66210

### **Financial & Clinical Systems**

Phone: (913) 661-9747  
Fax: (913) 451-6028  
Available: November 1993

*Financial & Clinical Systems for Hospitals running on Windows NT environment, in a Client/Server open system architecture.*

Bauhaus's intention is to produce a complete Financial & Clinical system for hospitals, all based on powerful Windows NT environment, on cost-effective micros, Intel 486/586 & DEC Alpha processors in a Client Server open system architecture. We using the proven technology of a Relational database, but then offering to the User the ease and abstraction of an Object Oriented, Graphic User Interface (C++, GUI).

CSI Software, 5532 Woodruff Ave., #167, Lakewood, CA 90713

### **Med-Assist**

Retail Price: \$3995  
Phone: (310) 866-9883  
Fax: (310) 920-3857  
Available: Second Quarter 1993

*Superior software platform for business operations of medical providers.*

Med-Assist provides an integrated user friendly environment for medical insurance and patient billing. General ledger accounting and form generation provides automated services for claims to all major insurance providers including Medicare, Blue Cross, Met Life, Etc. A complete database of CPT and ICD-9 codes guarantees accurate claim generation and minimizes claim rejection. dBase file compatibility allows access by 3rd party applications. NCQA compliant patient scheduling, appointment reminder, and electronic billing modules are available as an option.

CYMA, 1400 East Southern Avenue, Tempe, AZ 85282

### **TNT® Accounting Software**

Retail Price: \$895/Module  
Contact: Cheryl Land  
Phone: (602) 831-2607  
(800) 292-2962  
Fax: (602) 345-5743  
Available: Fall 1993

*A complete line of full-featured accounting applications: General Ledger, Accounts Receivable, Accounts Payable, Payroll, Inventory, Job Control and Client Accounting.*

CYMA's TNT line of accounting products has been fully optimized to take advantage of Microsoft® Windows NT and Win32. In addition to technical optimization for its target platform, TNT has also been fully optimized for accounting operations. Founded in 1980, CYMA is a recognized leader in software development and offers a full range of accounting and medical practice management software. CYMA's organization of dealers and staff of support professionals offer unrivaled technical advice and assistance.

Dean Witter Reynolds, 455 Capitol Mall, Suite 115, Sacramento, CA 95814

### **StockMan Toolkit**

Contact: Scott Collard  
Phone: (916) 443-7413  
Fax: (916) 447-6875  
Available: 1993

*A unique object-oriented Financial Workstation Toolkit for Windows NT, NeXTSTEP 3.0 and NeXTSTEP 486.*

StockMan brings the power of object-oriented programming and 32-bit multi-tasking operating systems to Financial professionals. The toolkit integrates familiar objects into a sophisticated and fully extensible trading or research environment. Classes include: Stock, Bond, Option, ExpertSystem, NeuralNet, Economist, TechnicalAnalyst, ChaosPhysicist and more. Historic & Real-Time Financials and SQL access supported. RenderMan 3D visualization support on NeXTSTEP platforms.

Financial Solutions, Inc., 3800 East 26th Street, Minneapolis, MN 55406-1866

### **RateTool 2.0**

Retail Price: \$4,995  
Phone: (612) 729-2202  
Fax: (612) 724-4698  
Available: First Quarter 1993

*Nonlinear maximum-likelihood tool to estimate optimal parameters for interest and exchange-rate stochastic processes using daily sampling. Estimators may be used to forecast future rates or as inputs to asset pricing models.*

Designed for portfolio managers, traders, and FIXED-INCOME or FOREIGN EXCHANGE analysts, RateTool 2.0 is a collection of algorithms adapted from supercomputer code to estimate parameters for MIXED JUMP-DIFFUSION, MEAN-REVERTING SQUARE-ROOT, or LOGNORMAL processes and to compare loglikelihood ratios. Results include asymptotic standard errors. Graphical depiction of data from underlying keyed database or Ascii files. Daily, weekly, monthly, quarterly, or annual sampling. Move through data with nonunit strides. Comprehensive online, context-sensitive help. Tutorial. Plug results into pricing models or transition density for future forecasts.

FSIC Associates, 92 Millpond, North Andover, MA 01845

### **ProfitFinder for Windows NT**

Retail Price: Call  
Contact: Tom Thamara  
Phone: (508) 687-7267  
Available: Second Quarter 1993

*ProfitFinder is a highly successful profitability analysis and costing product created by FSIC Associates, Inc., a leading banking software vendor.*

ProfitFinder is an integrated product, business unit, branch and organizational-level cost accounting system. It provides a management reporting and decision support system for banks and other financial services institutions. ProfitFinder offers the banking industry the opportunity to illustrate and graphically “walk through” the actual financial status and organization of a banking institution, and to perform “What-If?” analysis, seeing the results on-screen instantly.

Great Plains Software, 1701 SW 38th Street, Fargo, ND 58103

### **Great Plains Dynamics**

Retail Price: Call  
Contact: Terry Kalil  
Phone: (701) 281-0550  
(800) 456-0025  
Fax: (701) 281-3700  
Available: Fourth Quarter 1992

*Graphical, full-featured accounting and business management software for Windows NT; incorporates a flexible interface and scalable configuration for customized solutions.*

Great Plains Dynamics, a graphical, network-ready accounting solution, incorporates a WYSIWYG graphical report writer; multi-currency capabilities; statistical or unit account capabilities; and user-definable account numbers. Dynamics is organized by business task into series: Financials, Sales, Inventory, Payroll, Purchasing, Project Accounting, Foundation and Tools. The software gives customers a choice of Client/Server file managers, Btrieve or c-tree; and is offered with a suite of customization tools including the Dynamics Modifier, the Dynamics Linking Toolkit, and Dexterity, a 32-bit processing cross-platform development system for developing large transaction-oriented applications.

IMRS, 777 Long Ridge Road, Stamford, CT 06405

### **Hyperion**

Retail Price: \$125,000  
Contact: Sales  
Phone: (203) 321-3500  
Fax: (203) 329-9730

Hyperion offers comprehensive corporate-wide business reporting capabilities within a graphical environment. It combines sophisticated functionality with the convenience, architectural advantages, and productivity benefits of Microsoft Windows. PC-network based, Hyperion collects, consolidates, and reports business information at both the corporate and department levels.

Intellisoft, Inc., 2114 West Mayfield, Arlington, TX 76015

### **Data Manager**

Retail Price: \$995-\$2,995  
Phone: (817) 467-7243  
(800) 933-4889  
Fax: (817) 467-7133  
Available: Now

*Accounting Vision/32 Data Manager offers the ability to import and export information from or to nearly any other source.*

Data Manager eliminates re-keying information manually. Data formats supported include; ASCII Comma Delimited, ASCII Tab Delimited and DDE with Microsoft Excel. Third party reporting or database management tools may have full access to all Accounting Vision files. Many of these specialized tools require specific information from Accounting Vision files in order to properly read from or write to the records created by Accounting Vision. The various data dictionaries required by these third party tools will be provided a "map" into the file layouts of all Accounting Vision files. The initial loading or setup of existing accounting information is done electronically, saving thousands of man-hours during the cut over process.



Intellisoft, Inc. 2114 West Mayfield, Arlington, TX 7601

### **Purchase Order**

Retail Price: \$995-\$2,995  
Phone: (817) 467-7243  
(800) 933-4889  
Fax: (817) 467-7133  
Available: Now

*Accounting Vision/32 Purchase Order offers very complete purchasing and cost control measures.*

Tight integration is provided with GL, AP, IM and SO. Support is provided to control receipt dates and required delivery dates. PO's may notify awaiting customer Sales Orders that the received items are available for shipment to the customer. Material Requisition numbers maybe used in conjunction with Inventory and non Inventory items. Auto calculation of Freight and Sales Tax. Add-on costs can be prorated into the line item extensions or per unit landed cost. If PO is integrated with Fund Accounting the available budget or fund limit can be verified and may restrict posting. Full issuance authorization control per line item.

Intellisoft, Inc., 2114 West Mayfield, Arlington, TX 76015

### **Sales Order**

Eetail Price: \$995-\$2,995  
Phone: (817) 467-7243  
(800) 933-4889  
Fax: (817) 467-7133  
Available: Now

*Accounting Vision/32 Sales Order offers full integration with all other modules and is designed for high volume users.*

The SO system tightly integrates with GL, AP, PO, AR and IM. Support is provided for scheduled shipments or scheduled manufacturing per line item of the Sales Order. Quantity information is available on each line item from original order, minus shipped to date. Allocated or backorder quantities are linked to the Sale Order line item status. When the item is received into Inventory the awaiting Sales Order is notified. Option to generate the Invoice. Allows the entry of returns into the system. May optionally check for Return Authorization. The return may either cancel the order and create a credit memo if already invoiced, or put the items back on order. Full support for drop shipments from vendors or brokers.

Intellisoft, Inc., 2114 West Mayfield, Arlington, TX 76015

### **Payroll**

Retail Price: \$995-\$2,995  
Phone: (817) 467-7243  
(800) 933-4889  
Fax: (817) 467-7133  
Available: Now

*Accounting Vision/32 Payroll offers very flexible data entry and automatic pay or deduction calculations.*

Photo ID's can be stored in employee file. Unlimited departmental breakdown with G/L distribution tracking. Tax on Tax capable, with exemptions control. All tax tables are easily modified. Contract or tax exempt employees for 1099 purposes. Time accruals tracking, i.e. Sick Pay, Vacation Pay, etc. with time balance verification. Workers Compensation reporting and special deductions at specified cycles, maximum dollar, number of occurrences, beginning and ending date and more. Pay checks can be released by pay cycle, job description, supervisor, project and pay type.



Intellisoft, Inc., 2114 West Mayfield, Arlington, TX 76015

**Inventory Management with Bill of Materials**

Retail Price: \$995-\$2,995  
Phone: (817) 467-7243  
(800) 933-4889  
Fax: (817) 467-7133  
Available: Now

*Accounting Vision/32 Inventory Management offers a full Bill of Materials tracking with Serial numbers, Lots and Bins.*

Photographic images of items can be stored with item records. Automatic units of measure conversion. Bill of materials for manufacturing or kit processing, with 80 components per level. 100 indexed characters in item description with 4000 more available for notes and memos per item. 15 user defined fields that can be defined for any purpose. Serial or Lot Numbers can be tracked from Vendor through to Customer. Items can also be treated as service only type to allow for non asset item sales. Item sales history is available for any prior period or year. Assemblies and Kits will automatically assemble when shipped or sold. Promotional sale dates, customer specific pricing and discount restriction controls.

Intellisoft, Inc., 2114 West Mayfield, Arlington, TX 76015

**Accounts Receivable with Invoicing**

Retail Price: \$995-\$2,995  
Phone: (817) 467-7243  
(800) 933-4889  
Fax: (817) 467-7133  
Available: Now

*Accounting Vision/32 Accounts Receivable offers unlimited ship to addresses and very extensive freight and tax table calculations.*

Unlimited, user-defined invoices and statements. Extensive Taxing entities, with sophisticated tax calculations and tax on tax. Schedule payments in monthly cycles or create recurring invoices. Deposit slips fully integrate with check reconciliation in General Ledger. Reprint prior invoices from previously posted transactions. Unlimited customer ship - to addresses, with freight & tax calculations to the ship to address. Split commission with multi-tiers paid at invoicing or cash receipt. Bill employee time from within AR and create the commissions for Payroll. NSF checks may optionally reinstate the invoice and charge the customer a service fee.

Intellisoft, Inc., 2114 West Mayfield, Arlington, TX 76015

**Accounts Payable with Check Writing**

Retail Price: \$995-\$2,995  
Phone: (817) 467-7243  
(800) 933-4889  
Fax: (817) 467-7133  
Available: Now

*Accounting Vision/32 A flexibility and control in any period, past or future.*

All Screens can be designed for data entry efficiency, per user. Preference levels can be used for payment and suggested ordering. Unlimited checking accounts can be reconciled. Serialized and Lot Inventory can be tracked from vendor to customer. Check generation to 3rd parties, i.e. Brokers, Factoring Agencies or Joint Checks. Reprint & void check option with full audit trail. When integrated with Fund Accounting: Inter-company invoice processing from source to expense company. Vendor product quotes can be kept on



file to electronically find the best quoted price, best turn around time or other subjective criteria for purchase order issuance.

Intellisoft, Inc., 2114 West Mayfield, Arlington, TX 76015

### **General Ledger with Check Reconciliation**

Retail Price: \$995-\$2,995  
Phone: (817) 467-7243  
(800) 933-4889  
Fax: (817) 467-7133  
Available: Now

*Accounting Vision/32 General Ledger offers 12 to 50 digits of alpha numeric account numbers.*

The User has complete control of the account definitions, the account number field is alphanumeric with 3 versions to choose from, 12 digits, 25 digits and 50 digits. The user may enter transactions in immediate, batch or recurring methods. Powerful Reporting features, automatic account allocations, free form notes, DDE with Microsoft Excel, 12 user defined fields per account are all found in this expandable module. Extended versions offer, Inter-company processing and Fund Accounting. Budget verification is optional per account number and will restrict data from being saved if the Budget is exceeded. Unlimited checking account reconciliation is available from General Ledger therefore cash management is included in the GL.

Intellisoft, Inc., 2114 West Mayfield, Arlington, TX 76015

### **System Manager with Vertical Market Tool Kit & Report Writer**

Retail Price: \$995-\$2,995  
Phone: (817) 467-7243  
(800) 933-4889  
Fax: (817) 467-7133  
Available: Now

*Accounting Vision/32 offers a Vertical Market Tool kit that will allow customization of all data entry windows, and reports.*

Overall or Global Features for all Accounting Vision modules are part of this mandatory module. This high performance 32 bit implementation is full featured and takes full advantage of the Windows NT multi-tasking environment. Change or rename every input window, based on each user's specific needs. Every user of the system may have a different menu, screen design and restricted access to individual files and fields. All reports and forms may be added to and modified. Multiple Currencies and Languages are also supported. Data file management is scalable upon end-user needs. Companies with small workgroups to Corporations that need client server when they right size, will find power in this system.

Intellisoft, Inc., 2114 West Mayfield, Arlington, TX 76015

### **Accounting Vision/32**

Retail Price: \$995-\$2,995  
Phone: (817) 467-7243  
(800) 933-4889  
Fax: (817) 467-7133  
Available: Now

*Accounting Vision/32 offers a full suite of very powerful accounting products that can be modified by the user.*

Accounting Vision/32 offers the business users with extensive accounting needs this new 32-Bit solution. Accounting Vision/32 feature set offer functions found only on custom written mainframe systems. The system allows for scaled implementation into businesses that are planning to expand or down size. Accounting Vision will allow the user to select and change which file manager is best suited to their needs, Btrieve or SQL. Nearly all screens, menus, reports and help files are modifiable by the user. Modules

include: GL, AP, AR, SO, PO, IM, PR, Fund Accounting, and Data Manager.

Intellisoft, Inc., 2114 West Mayfield, Arlington, TX 76015

### **Fund Accounting**

Retail Price: \$995-\$2,995  
Phone: (817) 467-7243  
(800) 933-4889  
Fax: (817) 467-7133  
Available: Now

*Accounting Vision/32 Fund Accounting offers Fund restriction or Budget verification for single or multiple entities.*

Flexibility of Account Numbers is achieved when lengthy accounts are established for; Organizational, Divisional, Funds, Departmental and Project delineation. User will save time, increase accuracy by not having to re-key the entire account definition for each entry. The user may simply point and click on the description in a lookup table. Inter-Company processing of the distribution for GL and AP entries will allow transactions to post to GL batches for entities outside the currently accessed entity. Single Fund accounting principles are adhered to with full verification of user access rights and external entity account validation. Handles elimination entries automatically during consolidation.

Olivetti, Via Jervis 77, 10015 Ivrea, Italy

### **A2B Application Builder for Banking**

Contact: A. Carletto  
Phone: +39 125-5200  
Available: November 1993

A2B is an advanced application builder which provides a new approach in the development of business software applications. It allows a user with limited IT skill (Power User) to develop even complex applications by graphically drawing them simply linking together in a control flow a sequence of profilable functionalities named Building Blocks (BBs). The user is supplied with a catalog of these BBs plus a tool kit to develop new BBs. A2B includes a GUI Form Handler and is integrated with a CASE environment based on a Repository. It is a comprehensive solution that addresses all the banking areas including Teller, Platform and Bank-wide applications.

Olivetti, Via Jervis 77, 10015 Ivrea, Italy

### **Image Processing/Cheque Handling**

Contact: A. Carletto  
Phone: +39 125-5200  
Available: October 1993

IP/CH provides a cost effective introduction to the use of image processing in banks by automating the handling of cheques and high-volume paper items. It allows a reduction in the amount of time the bank's staff spends in processing paper documents.

The solution consists of a cheque input device plus the IP/CH services. IP/CH services support the development of image-based cheque handling applications. They are: cheque image capturing, compression/decompression, display, optical storage and print.

Customers can personalize the treatment of cheques through the definition of the procedure flow, choosing the proper services and their sequence.

Timeline, Inc., 3055 112th Avenue NE, Suite 106, Bellevue, WA 98004

**Timeline Financial Management Accounting**

Retail Price: \$15,000

Contact: Lawson Abinanti

Phone: (206) 822-3140

Fax: (206) 822-1120

Available: Fourth Quarter 1992

*Timeline develops mainframe-class, client-server applications using Microsoft tools & database products to deliver "Accounting Information at your Fingertips". Timeline also provides Rapid Development Training and an extended Wizard Library for Access.*

Timeline uses Microsoft tools exclusively such as Microsoft Access, Microsoft Excel, Microsoft Project and EIS; database products such as SQL Server; and connectivity product ODBC to develop client-server accounting applications for large companies with complex financial and management accounting requirements. Timeline has 15 years' experience configuring accounting solutions for growing and changing organizations with multiple companies, divisions, departments, and/or projects. Products include General Ledger & Financial Reporting, Budgeting, Job Cost, Payables, Receivables and Fixed Assets. Timeline also offers an extended Access Wizard Library for Rapid Application Development.

## Business Applications

### Desktop Publishing

CheckMaster Corporation, 2227 California Street, Oceanside, CA 92054

#### **CheckMaster**

Retail Price: Call  
Contact: Bud Aaron  
Phone: (619) 757-6635  
Fax: (619) 757-6635  
Available: February 1993

*The MAGIC is MICR. CheckMaster check printing software is designed to print checks on blank stock including the MICR line. CheckMaster includes a thoroughly tested, proprietary True Type MICR font.* CheckMaster check printing software is designed to take the place of the checks portion of your favorite forms supply catalog. You provide the customer name and address, the blank name and address, and the MICR line from your current checks or from a bank MICR Specification Sheet. CheckMaster prints your checks (on your choice of printers) as you might receive them from a forms supplier. The basic business package which contains all of the checks you might find in a forms catalog, retails for \$495, a network version is available for \$995 for up to 5 users. CheckMaster Corporation also provides consulting services to companies running on anything from mainframes to PC Lans to allow single-pass check printing solutions. Check with us for our high-profile customer list.

Elite Technology, 17407 Unit A, East Rice Circle, Aurora, CO 80015

#### **JUPITOR**

Retail Price: \$595  
Phone: (310) 924-0028  
Available: September 1993

*32-bit object-oriented desktop publishing application that combines the power of graphics, word processing and versatile layout, and, with Windows NT Unicode, supports Far East languages.*

JUPITOR version 2.0 provides full-featured graphics to create, resize, rotate, skew, and reshape both graphics and text objects. JUPITOR supports powerful word processing capabilities such as arbitrary change of typeface and formatting. JUPITOR offers customizable versatile text layout that goes beyond columns and tables. JUPITOR implements both horizontal and vertical writing. With Far East TrueType fonts included, JUPITOR supports Far East languages in English Windows NT. Tailored for Windows NT, JUPITOR supports both Unicode and DBCS standard. JUPITOR has network capability.

Frame Technology, 1010 Rincon Circle, San Jose, CA 95110

#### **FrameMaker for Windows NT**

Retail Price: \$795  
Contact: Lisa Cleary  
Phone: (408) 954-3965  
(800) U-4-FRAME  
Fax: (408) 433-1928  
Available: First Quarter 1993

*First 32-bit PC publishing software to automate the entire publishing process from start to finish.*

FrameMaker for Windows NT brings a new class of document creation and distribution software to the desktops of PC users. It combines WYSIWYG word processing, graphics, page layout, equations, and hypertext tools in one, easy-to-use application. The product's open architecture lets users import, revise, and

easily update text and graphics from other popular software applications. Frame's leading edge viewing technology, FrameReader, lets users distribute documents via tape, diskette, CD-ROM, or across a network, allowing access to up-to-date, accurate information online.

Sharp Electronics Corporation, Sharp Plaza, Mahwah, NJ 07430

### **JX-WIN32**

Retail Price: FREE offer  
Phone: (201) 529-0351  
Fax: (201) 529-9117  
Available: July 1993

*Full featured scanning software for Sharp's family of scanners, the JX-320, JX-450 and JX-610.*

JX-WIN32 is a scanner program that allows end-users to take full advantage of the Windows NT OS and the high resolution Sharp scanners. Because scanners can create large bitmap files (many megabytes) Windows NT, with its large 32 bit addressed and virtual memory, is the ideal OS to do desktop and professional publishing. JX-WIN32 can operate as a stand-alone application or as a TWAIN scanner source from within any TWAIN compliant application. JX-WIN32 includes support to create popular file formats like TIFF, PCX and GIF, JPEG Compression and decompression, color calibration, rotation at any angle and filters for sharpness and descreening.

Zzytech, 6360 S. Gibraltar Cir, Aurora, CO80016

### **Poor Bill's Translator**

Retail Price: \$35  
Contact: Brian  
Phone: (303) 680-0875  
Fax: (303) 680-4906  
Available: Now

*Inexpensive translator to convert SGML-tagged files into a format suitable for reading into word processing, desktop publishing or database programs.*

Poor Bill's Translator parses an SGML file according to a user-defined Document Type Definition (DTD) and creates output according to user-specified Translation Definition Table (TDT). PBTRAN provides full error reporting and ESIS stream interception for other purposes. Distribution package comes complete with parser, translator, TDT builder, and sample TDTs for RTF, TeX, ASCII and others. PBTRAN contains an SGML parser compliant with the ISO 8879 standard. SGML features: OMITTAG, SHORTTAG, SUBDOC, FORMAL.

### **Business Applications: General Productivity**

Carrera Computers, Inc., 23181 Verdugo Drive, Suite 105A, Laguna Hills, CA 92653

### **CARRERA R4000**

Retail Price: \$8,995  
Contact: ARC Hardware Evangelist  
Phone: (714) 707-5051  
Fax: (714) 707-5053  
Available: November 1992

*Powerful 64-bit Windows NT compatible RISC workstation capable of running two to three times faster than a 486 50Mhz.*

Carrera R4000 implements the MIPS R4000 RISC processor capable of running a magnitude faster than typical x86 CISC processor based systems. The R4000 CPU is 64-bit, introduced at 50Mhz (100Mhz internally). Included in the Carrera R4000 is a "memory-bus" based super graphics card (1280 x 1024); Fast SCSI-2 interface; a 32-bit Ethernet interface; a parallel port; two serial ports; a keyboard port; a mouse port; an audio card and a floppy drive interface. The Carrera R4000 is standard full AT sized and also is field



upgradeable for faster future R4000 CPUs.

Computer Systems Associates, 422 GlenEagles W, Statesville NC 28677-7503

**Address Plus BarCode for Windows**

Retail Price: \$75  
Contact: James T. Madry  
Phone: (704) 871-8367  
Fax: (704) 871-8367  
Available: July 1993

*Address Plus BarCode will soon be available for Windows and Windows NT. This versatile program will help you save money, while allowing you to easily keep track of addresses and mailing lists.*

Address Plus BarCode for Windows is a Mail List/Labeling program that can pay you back for every letter you mail. You mail letters everyday. But unless you're already taking advantage of the U.S. Postal Service's ZIP+4 with barcode, you're paying up to 20% more for you first class postage than you should. And it's as simple as printing an envelope or mailing label on your PC. A touch of a key prints the address, ZIP+4, and the USPS approved barcode. Our easy to use Windows interface now makes using Address Plus even easier than ever.

Copley & Associates Software, 4500 Campus Drive, Suite 117, Newport Beach, CA 92660

**The System Integrator**

Retail Price: \$195  
Phone: (714) 474-5529  
Available: Second Quarter 1993

*The System Integrator provides unprecedented sharing of dissimilar data over Windows NT platform environments.*

The System Integrator for Windows NT ver 1.0.3 implements sharing of dissimilar data from major packages, specifically accounting packages (i.e. Mas90, Intelisoft and others), word processors, spreadsheets and databases. The Systems Integrator for Windows NT takes advantage of the 32 bit linear memory model while running data import/export and conversions in a multithread with real time response. This package specializes in the integration of corporate network data management schemes. This has been optimized for Win32 & Windows NT platforms.

Digital Equipment Corp., 30 Porter Road, Littleton, MA 01460

**eXcursion for Windows NT**

Retail Price: Call  
Phone: (800) DECINFO extn NT  
Fax: (508) 486-2311  
Available: Second Quarter 1993

*The eXcursion for Windows NT server displays and controls X Window applications on a PC.*

The eXcursion for Windows NT server receives X protocol requests over the network from remote applications, translating and executing them into Microsoft Windows NT functions. In return the server software receives messages from Microsoft Windows NT about events such as key presses or window movements that occur on the local PC, translates them into X protocol events, and delivers them to the X Window System application.

Fundamental Services, 1546 Peaceful Ln. N, Clearwater, FL 34616-1705

### **RUSH**

Retail Price: \$1,500-\$4,500  
Contact: Ron Stange  
Phone: (813) 584-2610  
Fax: (813) 585-0021  
Available: November 1993

*Process control system for repair centers of electronic equipment of all types, commercial, medical, home entertainment, appliances, etc.*

RUSH for Windows NT is the top of the line version of the RUSH Process Control System product line. RUSH for Windows NT provides all the functions and features of the RUSH for Windows NT version and more. Operating in the Windows NT environment RUSH for Windows NT provides 32 bit power and improved response time. RUSH for Windows NT puts you in control from the time a unit is received for repair until you get paid for the completed work. Billing, parts control, warranty claim processing support is provided along with project analysis reporting to keep you informed of any potential trouble spots in your repair process.

Graphitti Software, 1070 N Adler Avenue, Clovis, CA 93611

### **Portfolio Charts for Microsoft Excel 4.0**

Retail Price: \$199  
Contact: Steve Shaw  
Phone: (209) 299-7849  
(800) 484-1111 ext 0419  
Fax: (209) 299-1143  
Available: Now

*Product life-cycle marketing analysis add-in for Microsoft Excel 4.0*

Portfolio is an added dimension to Microsoft Excel's powerful graphics features. Business-portfolio charts can be created from within Microsoft Excel. Examples of portfolio charts include market share correlation analysis models made popular by The Boston Consulting Group and the McKinsey product promotion models. In addition literally any type of data correlation can be displayed in a portfolio format or bubble pie chart format. The relative size of a variable can also be represented by any Windows supported graphic image. An axis can be either logarithmic or linear.

Lenel Systems International Inc., 19 Tobey Village Office Park, Pittsford, NY 14534-1763

### **MediaViewer For NT**

Retail Price: \$195  
Phone: (716) 248-9720  
Fax: (716) 248-9185  
Available: March 1993

*MediaViewer for NT is an easy-to-use utility to instantly view, present and integrate multimedia files in a variety of formats.*

MediaViewer for Windows NT easily plays audio, video, graphic, animation and document files by dragging them over the MediaViewer window. Files can be opened from File Manager by associating file extensions with the utility. Multimedia files can be sequenced in a "show" which can be created without programming using any text editor. Multimedia files and shows can be integrated into other applications using an API provided with the program. Multimedia files can be embedded into other OLE applications such as spreadsheets and word processing documents. MediaViewer recognizes all installed MCI drivers.

Completely compatible with other Lenel products.

Logitech, Inc., 6505 Kaiser Dr., Fremont, CA 94555

**ScanMan® Family of Hand-Held Scanners**

Retail Price: \$299-\$699  
Phone: (510) 795-8100  
(800) 231-7717

Available: Fourth Quarter 1993

*The Logitech ScanMan® Family of Hand-Held Scanners offer high-quality image and text scanning at affordable prices.*

Our Windows-based scanners include the Logitech AutoStitch feature for automatic merging of multiple scans into one full-page or larger image. ScanMan Color captures every color your eye can see. Scan directly in 16.8 million colors or 256 true gray scales. The included FotoTouch Color editing software is an OLE server and lets you edit in full-color, gray scale or mix the two in one image. ScanMan Model 256 Gray Scale scanner provides flatbed quality at a hand-held price. It includes FotoTouch editing software, which provides a wide range of editing tools and darkroom in features. Look for Windows NT support in 1993.

Logitech, Inc., 6505 Kaiser Dr., Fremont, CA 94555

**FotoMan**

Retail Price: \$799  
Phone: (510) 795-8100  
(800) 231-7717

Fax: (510) 792-8901

Available: Fourth Quarter 1993

*FotoMan Digital Camera for Computers.*

Logitech's FotoMan Digital Camera makes it a snap to add photos to your desktop publishing, multimedia, database and other computer applications. Take up to 32 shots, plug FotoMan into your computer's serial port, and download your images instantly to the computer. There's no film, no developing and no waiting. Lightweight and portable, FotoMan goes everywhere. The built-in flash and neutral density filter let you take pictures inside and outside. FotoMan includes FotoTouch image editing software, which puts a darkroom in your computer. Lighten, darken, adjust brightness and contrast, smooth, sharpen, resize, rotate and more.

Micro Research Industries, 4900 Seminary Road, Suite 800, Alexandria, VA 22311

**MailAide 5.0**

Retail Price: \$1,995  
Contact: John Kunkel  
Phone: (703) 824-0161  
Fax: (703) 824-8750  
Available: January 1993

*Comprehensive office automation application utilizing the performance of Windows NT and user-desired off-the shelf applications.*

MailAide 5.0 integrates with off-the-shelf word processing software to provide practical solutions to your office automation needs. MailAide manages large volumes of incoming mail, and prints customized letter responses, labels and envelopes. Flexible and powerful targeted mailing capabilities allow you to identify your audience for maximum results. Special features are provided for increased speed and ease of data entry. A wide variety of reporting options is available. The product features easy-to-use System Administration functions, and time consuming tasks are processed in the background.



Tenax Software Engineering, 2103 Harrison Ave. NW, Suite 141, Olympia, WA 98502

### **XLabel**

Retail Price: \$35-\$75  
Phone: (206) 866-1686  
Available: October 1992

*Engineered to print laser labels efficiently from file or screen, in single, multiple (single sheet) of multiple sheet modes. Designed for simplicity of operation. What you choose is what you get.*

XLabel v2.0.1nt is designed to be the most used productivity tool for clerical, billing, or mailing needs.

XLabel is the perfect compliment to word processors. Produces laser labels from files or screen input.

Includes data entry forms for adding or editing address files. Features include serial number generation, font control, user definable label types, pre-defined major brands label types, statistics reporting, and 'X' marks the spot label selection for single sheet printing. XLabel is the first of the Office Productivity Tools from Tenax SE developed for the Microsoft Windows NT system. Operational demo available.

Thinx Software, Inc., 9104 Guilford Road, Columbia, MD 21046-1803

### **Thinx Personal Application Developer**

Retail Price: \$495  
Phone: (301) 604-2588  
(800) 688-4469  
Fax: (301) 608-2871  
Available: June 1993

*Personal application development program allows user to create a graphical interface to data without programming.*

Thinx Personal Application Developer is designed for the user who requires a custom application without programming. Thinx uses graphics as the interface to data. The user begins by creating a graphic image using the drawing tools included in Thinx. The image becomes an object with attributes corresponding to a record in a data base. Graphic attributes change automatically as data changes. Formulas created on the drawing recalculate. Graphics and data can be imported from and exported to a variety of file formats.

XFM System Corp., 7-11 Legion Drive, Suite 15, Valhalla, NY 10595

### **eXcellent File Manager**

Retail Price: \$250  
Phone: (914) 997-8023  
Fax: (914) 997-8409  
Available: First Quarter 1993

*Task oriented, drag-and-drop file management system provides version control, automatic file compression/decompression, search, and access control features on files of any type for single PC's or workgroups.*

Unique multi-level approach allows for quick access while providing a high degree of compression.

Organizes files by project and can link a file into multiple projects. Prevents multiple users from modifying same file. Unix style access permissions. Records changes to files and can reconstruct any previous version. Audit trail. Search by topic or content. Modular design allows version, compression, and search features to be optimized by file type. Runs over any peer-to-peer or client-server network that supports remote file sharing. Windows 3.x and Windows NT versions can share data. Liberal network licensing policies.

## **Business Applications: OCR/Forms**

Cardiff Software, Inc., 531 Stevens Ave., Bldg. B, Solana Beach, CA 92075

### **TELEFORM**

Phone: (619) 259-6430  
(800) 695-8755  
Fax: (619) 259-6450  
Available: October 1993

*Teleform™ for Windows NT, turns any fax machine or scanner into a data entry terminal. Teleform automatically collects hand-printed, typed or marked information from forms faxed to a PC.*

With Teleform, users can design and print professional forms and automatically distribute forms by fax. When a form is completed and faxed to the PC running Teleform, the program reads the hand-printed or typed information and puts it into a data file, database or spreadsheet without manual data entry. The software automatically corrects for skewed forms, recognizes hand print and machine print characters and reads upper and lower case alphanumeric data. Any illegible or mismarked entries are captured with a paperless correction processing and verification module. Teleform for Windows NT supports single or multiple user configurations for high volume processing applications.

Datacap Inc., 580 White Plains Road, Tarrytown, NY 10591

### **Paper Keyboard® NT**

Retail Price: \$6,995  
Phone: (914) 332-7515  
Fax: (914) 332-7516  
Available: June 1993

*Powerful forms processing application for automated data entry with complete OCR, OMR and hand print recognition capabilities.*

Paper Keyboard NT combines hand print recognition, OCR and the ability to read multiple choice check boxes off scanned paper forms. The product features both standalone and distributed processing on a network with desktop and high-speed, double-sided scanners. In a network environment a dedicated recognition server can be configured with separate editing stations. Forms are designed with standard desktop publishing tools and can be filled in with pen or pencil. The program supports numerous desktop scanners or fax modems as image input and outputs data to a variety of formats or to other programs via Dynamic Data Exchange.

Paragon Consulting Group, 4212 West Cactus, Ste. 1110-229, Phoenix, AZ 85029

### **Free Form**

Retail Price: \$195  
Phone: (602) 437-9566  
Fax: (602) 437-9566  
Available: Fourth Quarter 1993

Paragon's Free Form is a unique system which allows you to take the graphics image (BMP,GIF,PCX) of a printed form you have scanned in, and, using TrueType fonts, to fill in the form as if you were using a typewriter. You can then print the completed form on any printer supported under Microsoft Windows NT, or save it back as a graphics image for printing later. You can have Free Form find the 'blanks' which need to be filled in (prompting you for the font and text for each one), or you can tell Free Form exactly where you would like to place your text (again, allowing you to choose the font).





## **Business Applications: Personal Information Managers**

askSam Systems, PO Box 1428, Perry, FL 32347

### **askSam for Windows NT**

Contact: Phil Schnyder  
Phone: (904) 584-6590  
(800) 800-1997  
Fax: (904) 584-7481  
Available: April 1993

askSam for Windows NT is an Information Manager which combines the functionality of text retrieval, a database, and a word processor. It allows users to organize and manage structured and unstructured information. The ability to share ideas, notes, marketing information, etc., provides network users immediate access to information and increases the effectiveness of workgroups. askSam is unique in organizing and manipulating information that does not fit into structured databases. It handles all kinds of information: names and addresses, research or marketing information, bibliographies, and legal texts.

Doubleword, 12976 Madrona Leaf Ct., Grass Valley, CA 95945

### **Phonbook**

Retail Price: \$79  
Contact: Dean McCoy  
Phone: (916) 274-7218  
Fax: (916) 274-7218  
Available: January 1993

*PhonBook a personal Information management system for Windows 3.1 and Windows NT.*

Phonbook provides fast and easy access to Phone Numbers, addresses, and other information you are keeping about friends, and business contacts. Its gives you a strong but easy facilities for modifying how you view your data including an SQL like interface for masking in or out entries based upon multiple matches. It has facilities for an unlimited number of phone numbers per person, including dialing and logging the calls in the notes of that person. It provides you with a number of different reports, including printing out labels and mailers.

## **Business Applications: Presentation**

Caliper Corp., 1172 Beacon St., Newton, MA 02161

### **GisPlus® Geographic Information System**

Retail Price: \$2,995  
Phone: (617) 527-4700  
Fax: (617) 527-5113  
Available: September 1993

*The highest performance Geographic Information System available.*

The GisPlus Geographic Information System places computerized maps and geographic information at your fingertips. GisPlus provides a broad array of functions for the storage, retrieval, management, and analysis of spatial data. GisPlus is used to support such diverse activities as market analysis, site location, facility inventory, transportation, and environmental analysis. Database mapping with GisPlus makes it possible to perform sophisticated analysis to support business planning and decision making.



Proxima Corporation, 6610 Nancy Ridge Drive, San Diego, CA 92121-3297

### **Cyclops**

Retail Price: \$749  
Contact: Customer Service  
Phone: (619) 457-5500  
(800) 447-7694  
Fax: (619) 457-9647  
Available: December 1992

*Cyclops is an interactive presentation pointer system for use with Proxima LCD projection panels which provides interactive control over software during a presentation.*

Cyclops provides interactive control over software during a presentation when used with a Proxima LCD projection panel. Cyclops consists of two components: an intelligent sensor eye and a wand. A button in the wand handle functions like a mouse button and a bright red LED in the wand tip positions the cursor. Users can pull down menus, select menu items, click on buttons, drag icons across the screen - all by touching the screen with the Cyclops wand and "clicking." It is ideal for use with Windows NT based applications. The Cyclops for Windows NT driver that is included with the product enables any application to be controlled with Cyclops.

Software Publishing Corp., 3165 Kifer Road, Santa Clara, CA 95056

### **Harvard Graphics for Windows NT**

Retail Price: \$595  
Contact: Customer Service  
Phone: (408) 988-7518  
Available: 1993

*Dynamic presentations for the business user.*

aHarvard Graphics for Windows NT makes presentations dynamic, allowing the business user to instantly adapt to changing information. It includes an on-line tutorial, 54 presentation styles, and flexible presentation management tools such as an Outliner, and a Slide Sorter for viewing and rearranging slides. On-screen presentation capabilities include multimedia and HyperShow, allowing a presenter to create dynamic, interactive presentations.

### **Business Applications: Project Management**

1Soft Corporation, POBox 1320, Middletown, CA 95461

### **Above & Beyond**

Retail Price: \$149  
Contact: Michael Westcott  
Phone: (707) 987-0256  
(800) 326-4391  
Fax: (707) 987-3150  
Available: Call

*Above & Beyond streamlines workflow and productivity soars!*

Above & Beyond version 1.0 is the system you need to be a super-achiever. Maximize each day of your business life. Its unique dynamic scheduling makes it easy to juggle the day's plans as priorities shift. Recurring items of all types appear automatically. Full week and month-at-a-glance views. Complete history of everything accomplished. Launch programs from schedules, or pop-up alarms. Plus an auto-dialer, task time, and more. LAN smart. Shareware from 1Soft. Requires Windows 3.

Above & Beyond in a LAN environment adds even more benefits. Managers can balance the work-load of

their staff, assign new items and prioritize work, as well as check task completion status. Secretaries can post phone messages to schedules, and the autodialer makes returning calls a snap. It also includes a meeting-maker for group scheduling.

## **Business Applications: Spreadsheets**

Microsoft Corp., One Microsoft Way, Redmond, WA 98052-6399

### **Microsoft Excel for Windows NT**

Available: 1993

Microsoft Excel for Windows, the award winning Spreadsheet for Windows is currently under development for Windows NT. This 32-bit development effort will share core code with Microsoft Excel for Windows while taking advantage of Windows NT.

## **Business Applications: Word Processing**

Brooks/Cole Publishing Company, 511 Forest Lodge Road, Pacific Grove, CA 93950

### **EXP For Windows**

Retail Price: \$295

Phone: (408) 373-0728

Available: December 1993

*Absolutely the easiest to use yet most powerful graphical scientific word processing system available for Windows NT.* EXP for Windows NT is a complete 32-bit reimplementation for Windows NT of the successful MS-DOS-based EXP: The Scientific Word Processor product. EXP for Windows is a WYSIWYG word processor for the scientist or mathematician who needs to create documents containing mathematics. Unlike other programs where mathematics is handled by an add-on package, EXP for Windows was designed from the ground up to be a mathematical word processor; the math formatting is fully integrated into the word-processing engine. EXP for Windows provides a powerful table editor tailored to the special requirements of the mathematician.

Looking Glass Software, Inc., 11222 La Cienega Blvd., Suite 459, Inglewood, CA 90304

### **HyperWrite**

Retail Price: \$149.95

Phone: (310) 348-8240

Fax: (310) 348-9786

Available: Second Quarter 1993

*Word Processing with the hypertext edge. Develop and experience full-color hypermedia presentations in Windows NT.*

With all the features of an advanced word processor in conjunction with hypertext navigation, HyperWrite is the only tool you will need for creating and presenting your thoughts and ideas as an interactive experience. HyperWrite's advanced word processing features allow you to create documents containing detailed character and paragraph formatting, while its hypertext navigational tools provide you with the means to present your documents as a comprehensive interactive experience. Import full-color graphics and digitized sounds to round out your document with a multi-sensory impact.

Microsoft Corporation, One Microsoft Way, Remond, WA 98052-6399

### **Microsoft Word for Windows NT**

Phone: (206) 882-8080

Available: 1993

Word for Windows, the award winning word processor for Windows is currently under development for Windows NT. This 32-bit development effort will share core code with Word for Windows while taking advantage of Windows NT.

Pinecliffe International Advanced Support Group, 11900 Grant Place, Des Peres, MO63131

### **WOPR Macro Library for Word for Windows**

Retail Price: \$49.95

Phone: (314) 965-5630

(800) 659-4696

Fax: (314) 966-1833

Available: March 1992

*The essential add-on for serious WordBasic programming (16-bit or 32-bit). More than a hundred commands that Microsoft forgot.*

This classic collection of Word for Windows macros and commands rounds out your WordBasic programming environment. Complete global variable support in Win32. Dozens of Win32-capable API calls. Date and Time functions that work with 32-bit Microsoft EXCEL. String manipulation routines that made the WOPR Library famous (including Swap\$, Trim\$, IsAlpha). Numeric routines (e.g., Ordinal\$, Round, Max/Min, FormatDollar\$), File routines (e.g., IsDirectory, MakeFileName), macro encryption, ShellSort, and much, much more.

Pinecliffe International Advanced Support Group, 11900 Grant Place, Des Peres, MO 63131

### **Hacker's Guide to Word for Windows**

Retail Price: \$39.95

Phone: (314) 965-5630

(800) 659-4696

Fax: (314) 966-1833

Available: December 1992

*Companion routines to the best-selling Hacker's Guide\* to Word for Windows. The Hacker's Library takes WordBasic where it has never gone before.*

The Hacker's Library, published in the Hacker's Guide to Word for Windows (Addison-Wesley, 1992) extends WordBasic in ways never before thought possible. Dozens of routines which can be called from your WordBasic programs. Retrieve Win32 clipboard text. DoEvents releases Win32 to work on other tasks. Pack and Unpack arrays to pass into subroutines. Arrange documents in the Word for Windows window. Full date and time routines that work inside Word for Windows. HighW and LowW strip high and low words. Much, much more.

WordPerfect Corporation, 1555 N. Technology Way, Orem, UT 84057

**WordPerfect for Windows NT**

Retail Price: Call

Phone: (801) 225-5000

(800) 451-5151

Fax: (801) 222-5077

Available: Second Quarter 1993

WordPerfect 5.1 for Windows NT combines the popular features of the world's best-selling word processor with the intuitive Windows interface. This release will also take advantage of the new capabilities of the Microsoft Windows NT environment. A powerful Ruler simplifies your common formatting tasks and a Button Bar lets you assign frequently used features to buttons for easy access. The product ships with the popular Grammatik 5 grammar checker, as well as Adobe Type Manager and a selection of Adobe fonts created specifically for WordPerfect.



## Communications/Connectivity

Applied Innovation, Inc., 651 Lakeview Plaza Blvd., Worthington, OH 43085

### **NETVISOR**

Retail Price: Call  
Contact: Roger Nielsen  
Phone: (614) 846-9000  
(800) 247-9482  
Fax: (614) 846-7267  
Available: February 1993

*NETVISOR - A window for monitoring the AISwitch network fabric.*

The NETVISOR system allows an AISwitch system supervisor to easily manage data network operations. NETVISOR supports a complete database of node and network information for fine-tuning and increasing system efficiency. It is an effective tool for performing instant and continuous network monitoring, fault diagnosis, remote node provisioning and continuous alarm logging.

Attachmate Corporation, 3617 131st Ave. SE, Bellevue, WA 98006

### **EXTRA! for Windows**

Retail Price: \$425  
Phone: (206) 644-4010  
(800) 426-6283  
Fax: (206) 747-9923  
Available: Second Quarter 1993

*EXTRA! provides a robust, easy-to-use 3270 connectivity solution. Users can connect the power of host applications to the power of Windows, resulting in greater productivity. Highly flexible and extensible.*

*EXTRA! for Windows is powerful 3270 connectivity software that provides a complete set of 3270 options and takes full advantage Windows NT. Its Universal Connectivity allows you to choose coax, LAN (NETBIOS, 802.2, TN3270), Gateway (IPX, Novel SAA), and modem via ADLC or SDLC. Supports industry standard file transfer protocols such as IND\$FILE and OV/MVS (PS/CICS) import/export, up to 26 host sessions, pull-down menus, dialog boxes, multiple windows, LU1 or LU3 printer emulation, and light pen or mouse pen support. In addition, it provides a wealth of automation options including macros, host-aware DDE, and multi-tasking HLLAPI.*

Capella Systems, Inc., 1303 Hightower Trail, Atlanta, GA 30350

### **SmartScreen/Open for PROFS, SmartScreen/Open for OfficeVision/VM**

Retail Price: \$395  
Contact: Mark Thirman  
Phone: (617) 964-3066  
(800) 542-2577  
Fax: (404) 552-9912  
Available: Now

*SmartScreen is an intelligent co-processing client that enables easy and intelligent access to IBM's PROFS or OfficeVision/VM.*

SmartScreen insulates users from Host screens and uses the intelligence of the PC to send and receive PROFS notes and calendar data. SmartScreen is available with 3270 emulation software and/or will use your available host connections: IRMA, Attachmate, Token Ring, Rumba, etc. We support all methods of Host connectivity. SmartScreen will benefit companies migrating toward Windows-based workstations.

SmartScreen can download notes and scheduling information to the desktop PC for later off-line viewing, reducing host access time and charges. SmartScreen supports OLE which allows data from other programs to be “stapled” to PROFS notes. SmartScreen also provides asynch, dial-in access to the Host. Other benefits: printing host information on PC printers (or host printers), easy installation, on-line documentation, customizable icons, and more.

Control Data Systems, Inc., 9315 Largo Drive, Suite 250, Landover, MD 20785

### **Vista-eXceed**

Retail Price: \$500  
Phone: (301) 808-4270  
Fax: (301) 808-4288  
Available: Second Quarter 1993

*Vista-eXceed is a comprehensive X Window Server for PCs running under Microsoft Windows NT.*

Vista-eXceed is a full implementation of an X 11 Release 5 server, including XDM Control Protocol and the Non Rectangular Window Shape Extension. A TCP/IP transport is required. Vista-eXceed features include: bi-directional copy/paste between an X window application and the Windows clipboard or a file; seven startup modes, including: ELNET, RSH, and XDMCP; a tracing feature; server compatibility with DPMS, VCPI and XMS memory management standards; support for sixteen international PC keyboards; support of up to 24 plane color adapters and true color drivers; full protocol mask support; support for local FTP application.

Control Data Systems, Inc., 9315 Largo Drive West, Suite 250, Landover, MD 20785

### **VistaCOM for Windows**

Retail Price: \$250  
Phone: (301) 808-4270  
Fax: (301) 808-4288  
Available: Fourth Quarter 1993

*VistaCOM for Windows is an enhanced communications product that provides terminal emulation, scripting, and file transfer in an Microsoft Windows NT environment.*

VT220, TEK 4107, VIP 7801, Televideo 950/970, and Wyse 50 emulations are included in VistaCOM for Windows. Processes may be automated using a powerful script language. File transfer protocols include KERMIT, XMODEM, YMODEM, ZMODEM, TCP/IP FTP, and the proprietary VISTA and CONNECT protocols. Application integration is supported through the Microsoft Windows Dynamic Data Exchange (DDE) function. National character sets are provided for international users. Scripts can be automatically created. Sample scripts are provided for common on-line services. Supports connectivity through the Windows Sockets Interface.

Creative Systems Programming Corp, PO Box 961, Mt. Laurel, NJ 08054-0961

### **Golden ComPass/NT**

Retail Price: \$99  
Contact: Donna Finkelstein  
Phone: (609) 234-1500  
Fax: (609) 234-1920  
Available: Fourth Quarter 1993

*Save money while using a native Windows NT multi-threaded application to access Microsoft technical support on CompuServe.*

Golden CommPass is a specialized Windows NT based communications program designed to fully automate access to CompuServe forums, libraries and mail. Golden CommPass saves you money by significantly reducing connect time when transmitting and receiving messages. Golden CommPass allows you to make all decisions and compose new messages off-line, at your own convenience. Golden CommPass provides easy access to technical support forums for every major software and hardware vendor in the PC marketplace through CompuServe.



Dagonet Software, 2904 La Veta Drive NE, Albuquerque, NM 87110-3110

### **SecTalk**

Retail Price: \$195  
Contact: Louis Baker  
Phone: (505) 883-0381  
Fax: (505) 883-0381  
Available: April 1993

*SecTalk is an easy-to-use, secure communications program.*

SecTalk permits effortless, secure conversation and file exchange using a public-key cryptosystem.

Digital Equipment Corp., 30 Porter Road, Littleton, MA 01460

### **PATHWORKS for Windows NT**

Retail Price: Call  
Phone: (800) DECINFO ext. NT  
Fax: (508) 486-2311  
Available: Second Quarter 1993

*Client and server software that integrates Windows NT systems with corporate information environment for ALPHA AXP, Intel, and MIPS systems.*

Digital extends its PATHWORKS family to include both Windows NT based clients and servers. PATHWORKS product incorporate and unify other network operating systems, including Microsoft's LAN Manager, into an integrated environment. Features include file, print and application services utilizing DECnet, TCP/IP and NetBEUI transports and Ethernet, Token Ring, and FDDI topologies. A PATHWORKS Sockets Library API Programmer's Reference Guide will be available.

Digital Equipment Corp., 151 Taylor Street, Littleton, MA 01460

### **DECTp Desktop for ACMS**

Retail Price: \$245  
Contact: Jerry Hershey  
Phone: (508) 952-4130  
Fax: (508) 952-4197  
Available: April 1993

*Provides programming interface for calling powerful database application functions on VAX/VMS from desktop client systems.*

DECTp Desktop for ACMS version 1.1 enables client programs running on DOS, Windows, Macintosh, VMS, Ultrix, and SCO UNIX systems to call tasks running under Digital's ACMS transaction processing product. The full range of desktop user interface capabilities is supported, including interapplication communication, nonblocking execution, and multimedia. Solutions built with Desktop ACMS can use a wide range of network transports, including TCP/IP, NOVELL NetWare, AppleTalk, and DECnet.

Digital Equipment Corp., 500 Enterprise Drive, Rocky Hill, CT 06067

### **DECmessageQ for NT**

Retail Price: \$860  
Phone: (203) 258-5235  
(800) 344-4825  
Fax: (203) 258-5222  
Available: June 1993

*DECmessageQ provides a powerful, yet easy to use, set of tools for building distributed software solutions for heterogenous environments. Utilizing a standard API for interprocess message queuing.*

DECmessageQ provides a standard API across all major platforms with a simple message queuing verb set. DECmessageQ features include message recovery services, selective broadcast services, IBM CICS and IMS connectivity, transactional coordination, productivity tools and integration features that allow for efficient and effective development of distributed applications. DECmessageQ messaging tools support both asynchronous and synchronous client/server interprocess application models. DECmessageQ lowers distributed application development and maintenance costs by insulating applications from system and network changes.

Electric Underware, PO Box 61066, Denver, CO 80209

### **CC+**

Retail Price: \$999  
Phone: (303) 744-1819  
Available: January 1993

*Full Multi-threaded credit card interface. C++ source code using global memory. Ideal for merchant applications.*

Source code can be modified for custom database intensive applications and reporting capabilities or used stand alone. Either custom or standard settlement file configurations are available. Many communication options. Price does not include training wheels.

Hilgraeve Inc., 111 Conant Ave., Suite A, Monroe, MI 48161

### **HyperACCESS**

Retail Price: Call  
Phone: (313) 243-0576  
(800) 826-2760  
Fax: (313) 243-0645  
Available: Second Quarter 1993

*HyperACCESS for Windows NT is a high performance communications program which makes accessing remote systems by modem easier, faster, and more programmable.*

HyperACCESS is a full-featured asynchronous communications program for fast, easy modem communications with corporate mainframes, remote PCs, E-mail services, or bulletin boards. HyperACCESS features a unique Modular Communications Engine architecture, which makes its wide variety of terminal emulators and file transfer protocols faster than other packages. This architecture, together with the fact that HyperACCESS can be driven with any programming language (Visual Basic, C, C++, Pascal, etc.), enables corporate developers to create their own custom front ends for communications, or integrate high performance communications into applications that they are developing.

Hummingbird Communications, Ltd., 2900 John Street, Unit 4, Markham, Ontario, Canada L3R 5G3

### **HCL-eXceed for Windows NT**

Contact: Ken Ristevski  
Phone: (416) 470-1203  
Fax: (416) 470-1207

*X Window System Server and Client Support for PCs running Windows NT.*

HCL-eXceed for Windows NT - converts PCs running Windows NT into X Window

Workstations. The eXceed server provides a high degree of Windows/X integration including copy and paste of text and graphics between both environments. The window manager can be host based (Motif, OpenLook, etc.) or Windows NT can act as a local window manager. The eXceed client support includes the X Development Kit (XDK) which can be used to develop X clients which run under Windows NT.

JSB Corporation, 108 Whispering Pines Drive, Ste. 115, Scotts Valley, CA 95066

### **MultiView DeskTop**

Retail Price: Call  
Contact: Christine Harlan  
Phone: (408) 438-8300  
(800) 359-3408  
Fax: (408) 438-8360  
Available: Second Quarter 1993

*Windows into UNIX. A Microsoft Windows-based program which connects and integrates PC users with UNIXZ systems.*

MultiView DeskTop provides seamless integration between a Microsoft Windows based PC and a UNIX system, local and remote applications to be visualized simultaneously on the PC. It has a configurable iconic desktop and a choice of terminal emulation for remote nodes. MultiView DeskTop offers Cut & Paste and DDE and flexible connectivity to remote applications.

JSB Corporation, 108 Whispering Pines Drive, Ste. 115, Scotts Valley, CA 95066

### **MultiView/x**

Retail Price: Call  
Contact: Christine Harlan  
Phone: (408) 438-8300  
(800) 359-3408  
Fax: (408) 438-8360  
Available: Second Quarter 1993

*More than just an X server. MultiView/X provides complete integration of MS Windows- based PCs connected to UNIX systems.*

By combining all the features of DeskTop with an X server to display X Window applications, MultiView/X provides complete PC to UNIX integration. The X server is utilized only for X applications, reducing unnecessary overheads and enhancing performance. In addition X clients can be displayed as single or multi-window mode.

KEA Systems Ltd., 3738 North Fraser Way, Unit 101, Burnaby, BC Canada V5J 5G1

### **KEAterm 340**

Contact: Eric Alexandre  
Phone: (604) 431-0727  
(800) 663-8702  
Fax: (604) 431-0818

*VT340 and VT420 Terminal Emulation under Windows NT provides access to VAX and UNIX host applications. Includes BASIC-like script language and built-in file transfer capability. True multitasking: run multiple host sessions concurrently with other desktop applications.*

KEAterm provides accurate emulation of the DEC VT340 terminal. Features include double-high/double-wide characters, 132-column mode, true attribute representation, block mode, downloadable fonts, user-defined keys and national replacement character sets. Multiple page support with horizontal, vertical and page coupling. Graphics emulation includes ReGIS, Tektronix, and sixel graphics.

Extensions include ISO, attribute and line style mapped colors, history buffer, user-defined on-screen buttons, phone directory, script language and file transfer (including Super Kermit). Upgradeable from KEAterm for Windows 3.

KEA Systems Ltd., 3738 North Fraser Way, Unit 101, Burnaby, BC Canada V5J 5G1

### **KEAterm 420**

Contact: Eric Alexandre  
Phone: (604) 431-0727  
(800) 663-8702  
Fax: (604) 431-0818

*VT420 Terminal Emulation under Windows NT provides access to VAX and UNIX host applications. Includes BASIC-like script language and built-in file transfer capability. True multitasking: run multiple host sessions concurrently with other desktop applications.*

KEAterm provides accurate emulation of the DEC VT420 terminal. Features include double-high/double-wide characters, 132-column mode, true attribute representation, block mode, downloadable fonts, user-defined keys and national replacement character sets. Multiple page support with horizontal, vertical and page coupling.

Extensions include ISO, attribute and line style mapped colors, history buffer, user-defined on-screen buttons, phone directory, script language and file transfer (including Super Kermit). Upgradeable from KEAterm for Windows 3.

Linguistic Products, P.O. Box 8263, The Woodlands, TX 77387-8263

### **PC-Translator**

Retail Price: \$1,285  
Contact: Evelyn Smith  
Phone: (713) 298-2565  
Fax: (713) 298-1911  
Available: December 1992

PC-Translator is a program for translating documents between English and Spanish, French, Italian, German, Danish, Swedish, and Portuguese. It seamlessly integrates with Word RTF, WordPerfect, and WordStar files, preserving Tables, Fonts, and Graphics. Sentence by sentence translations are customized with your own terms and phrases. To aid you in compiling these dictionaries, the program generates both a list of unknown words and potential phrases. In addition, you can import your pre-established terminology into our flat database format with ease.





Magna Carta Software, PO Box 475594, Garland, TX 75047

### **C Communications Toolkit/NT**

Retail Price: \$299.95  
Phone: (214) 226-6909  
Fax: (214) 226-0386  
Available: April 1993

*Full-featured communications library and DLL for development in Windows NT. Add communications to any NT application. Protocols: ASCII, XMODEM/CRC/1k, Kermit, YMODEM, YMODEM-g, ZMODEM. Flow control. Modem support: Hayes compatibles, Telebit.*

C Communications Toolkit/NT is a comprehensive communications library for Microsoft NT. C Communications Toolkit/NT gives you full control of the serial ports. Open and configure the communications ports of any NT-supported speed and data format. Use XON/XOFF, RTS/CTS, or DTR/DSR flow control. For file transfer, C Communications Toolkit/NT supports a large number of popular protocols: XMODEM, XMODEM/CRC, and XMODEM-1k for compatibility. YMODEM and YMODEM-g for multi-file transfers, Kermit (with run-length encoding and 8th-bit prefixing) for mainframe links. ZMODEM for reliability. C Communications Toolkit/NT comes with 600 pages of documentation and many source code examples.

Micro Decisionware 2995 Wilderness Place, Boulder, CO 80301-5404,

### **Database Gateway for Windows NT**

Retail Price: Call  
Contact: Bruce Lehman  
Phone: (303) 443-2706  
(800) 221-3634 (sales)  
Fax: (303) 443-2797  
Available: First Quarter 1993

*MDI's Database Gateways for DB2 and SQL/DS will now be available on the Windows NT platform. The Database Gateway allows end-users transparent access to relational and non-relational mainframe data. The Database Gateway is a Windows NT application that allows LAN-based PC applications access to DB2, SQL/DS, and other mainframe data, using the Microsoft SQL Server API. MS-DOS, Windows and OS/2 applications which support DB-Library, such as Paradox, Visual Basic, Forest & Trees, and many others gain transparent access to mainframe data. A Transfer facility lets you move data between SQL Server and the mainframe, enabling use of the SQL Server for transaction processing or decision support. In addition, the Database Gateway exploits the new functionality in Microsoft SQL Server 4.2.*

Mobile Solutions, Inc., PO Box 193, Mt. Airy, MD 21771

### **MX2000 Wireless Communications Processor**

Retail Price: Call  
Phone: (301) 831-7155  
Fax: (301) 831-7155  
Available: Fourth Quarter 1993

*The Mobile Solutions. MX-2000 is an open architecture software integration platform for applications that communicate with wireless mobile data networks.*

The Mobile Solutions MX-2000 is an OSI Interworking Unit (IWU) performing inter-network router and gateway functions with wireless mobile data communication networks. Through the Mobile Solutions MX-2000, roaming recipients of messages are accessed readily through transparent addressing on an enterprise wide basis. Applications communicate with the Mobile Solutions MX-2000 through a standard Application

Program Interface (API). The protocol stacks of the Mobile Solutions MX-2000 provide innovative services to simplify computer application interaction with wireless mobile data networks.

Natural MicroSystems Corp., 8 Erie Drive, Natick, MA 01760

**Combined 16 Trunk and 8 Station Interface (ATS 16/8)**

Retail Price: \$4,500  
Contact: Ron Bleakney  
Phone: (508) 650-1300  
(800) 533-6120  
Fax: (508) 650-1352  
Available: Fourth Quarter 1993

*The ATS 16/8 is a 24 channel analog interface to the MVIPTM Bus which combines 16 loop-start trunk interfaces and 8 station-set interfaces.*

The ATS 16/8 has full MVIP-compliant software-controlled digital switching between any of the interfaces or any of the 256 time-slots in the MVIP Bus. Station and trunk interfaces are connected at a standard RJ-21X jack. The ATS 16/8 is the perfect starter system for small call centers, or call center applications. It is supported by Windows NT device drivers, as well as higher level NMS software tools, ME Windows NT and VScript Windows NT. It works in conjunction with all VBX Voice Boards.

Natural MicroSystems Corp., 8 Erie Drive, Natick, MA 01760

**Analog Trunk Interface (ATI)**

Retail Price: \$2,600-\$4,200  
Contact: Ron Bleakney  
Phone: (508) 650-1300  
(800) 533-6120  
Fax: (508) 650-1352  
Available: Fourth Quarter 1993

*Analog Trunk Interface (ATI) is a high density analog trunk interface for the MVIP Bus.*

The ATI is available in both 12-lines (ATI 12) and a 24-lines (ATI 24). Both ATIs offer full MVIP-compliant software-controlled digital switching between trunks or any of the 256 MVIP Bus time-slots, an MVIP Bus connection and either terminations for 12 loop-start analog trunks (ATI 12), or 24 loop-start analog trunks (ATI 24). External connections to both ATIs are via a standard RJ-21X connector. The ATI is supported by Windows/NT device drivers, as well as higher level NMS software tools, ME/NT and VScript/NT. It works in conjunction with all VBX Voice Boards.

Natural MicroSystems Corp., 8 Erie Drive, Natick, MA 01760

**Analog Station Interface (ASI)**

Retail Price: \$2,250-\$3,750  
Contact: Ron Bleakney  
Phone: (508) 650-1300  
(800) 533-6120  
Fax: (508) 650-1352  
Available: Fourth Quarter 1993

*Analog Station Interface (ASI) is a high density analog station set interface for the Multi-Vendor Integration Protocol (MVIP) Bus, and is ideal for call center applications.*

The ASI uses an external 24 volt power source such as the VBX PS-16 to drive either 12 (ASI 12) or 24 (ASI 24) analog telephone sets or telemarketing operator positions. Both the ASI 12 and ASI 24 provide an MVIPTM Bus connection and offer full MVIP-compliant software-controlled digital switching, between stations or any of the 256 MVIP Bus time-slots. External connections are via a standard RJ-21X connector. The ASI is supported by Windows NT device drivers, as well as higher level NMS software tools, ME Windows NT and VScript Windows NT. It works in conjunction with all VBX Voice Boards.



Natural MicroSystems Corp., 8 Erie Drive, Natick, MA 01760

### **VBX Voice Boards**

Retail Price: \$400-\$3,500  
Contact: Ron Bleakney  
Phone: (508) 650-1300  
(800) 533-6120  
Fax: (508) 650-1352  
Available: Fourth Quarter 1993

*All VBX Voice Boards can function with the same application software. All boards feature a digital signal processor (DSP) per voice port.*

In each VBX Voice Board, advanced DSP algorithms provide unsurpassed voice quality with a choice of 5 compression rates from 12 Kbits/s to 64 Kbits/s, high-performance DTMF detection, and advanced call progress analysis. You can mix and match VBX voice boards in any system. VBX boards are available as follows: VBX 100 (1 port); VBX 200 (2 ports); VBX 400 (4 ports); VBX 1200 (12 ports). VBX Voice Boards are supported by Windows NT device drivers, as well as higher level NMS software tools, ME Windows NT and VScript Windows NT.

Natural MicroSystems Corp., 8 Erie Drive, Natick, MA 01760

### **DTI 48**

Retail Price: \$3,000  
Contact: Ron Bleakney  
Phone: (508) 650-1300  
(800) 533-6120  
Fax: (508) 650-1352  
Available: Fourth Quarter 1993

*DTI 48 is a high capacity digital network interface to PC based telecommunications applications.*

The DTI 48 is a PC/AT-compatible network adapter which terminates two T1 (DS-1) high capacity digital telephone trunks, provides diagnostic information and delivers the 48 DS-0 channels to software-selected channels in a standard MVIPTM Bus. The DTI 48 can work in conjunction with any combination of VBX 1200-D and VBX 600-D digital voice boards as well as with boards from other vendors of MVIP Bus compatible equipment. One DTI 48 and four VBX 1200-D boards provide a five-slot, all-digital system for voice processing on all 48 channels of two T1 trunks.

The DTI 48 is supported by Windows NT device drivers, as well as higher level NMS software tools ME Windows NT and VScript Windows NT.

Natural MicroSystems Corp., 8 Erie Drive, Natick, MA 01760

### **VScript/NT**

Retail Price: \$1,195  
Contact: Ron Bleakney  
Phone: (508) 650-1300  
(800) 533-6120  
Fax: (508) 650-1352  
Available: Fourth Quarter 1993

*VScript/NT is a high-productivity voice development environment that gets your product to the market fast.*

VScript Windows NT is a high-level scripting language which uses English-like commands to control telephone functions, record and play speech, implement database management and provide consistent treatment of variables, parameters, and database fields. VScript Windows NT takes advantage of Windows NT and VBX multi-tasking to let you build a multi-line system by writing a dialogue for a single line. The

VScript Windows NT Editor lets you create text, scripts, parameters and databases and record prompts in a single session.

Natural MicroSystems Corp. 8 Erie Drive, Natick, MA 01760,

### **SwitchPath/NT**

Retail Price: \$3,000  
Contact: Ron Bleakney  
Phone: (508) 650-1300  
(800) 533-6120  
Fax: (508) 650-1352  
Available: Fourth Quarter 1993

*SwitchPath/NT is an advanced digital circuit-switching function library for Windows NT.*

SwitchPath provides over a dozen high-level function calls that may be used with C, Basic, Cobol, Pascal, Fortran, or RPG. SwitchPath provides full-duplex and half-duplex switching functions, facility naming, and configuration control. SwitchPath is the most productive way to utilize the distributed, advanced digital switching capabilities of an MVIPTM system. This software runs on all Natural MicroSystems VBX voice boards

Natural MicroSystems Corp., 8 Erie Drive, Natick, MA 01760

### **ME/NT**

Retail Price: \$1,195  
Contact: Ron Bleakney  
Phone: (508) 650-1300  
(800) 533-6120  
Fax: (508) 650-1352  
Available: Fourth Quarter 1993

*ME/NT is the most comprehensive development environment in the voice processing industry for Windows/NT.*

Multi-line Engine for Windows NT (ME Windows NT) is an advanced function library for the call processing industry. ME Windows NT provides over 140 functions that may be used with C, BASIC, Cobol, Pascal, Fortran or RPG. ME Windows NT functions support comprehensive voice and call processing, database management, multi-lingual prompt management, and both general and application-specific parameter management. Direct control of over 170 parameters allows you maximum flexibility in tailoring the system to your needs. This software runs on all Natural MicroSystems VBX voice boards

NETMANAGE, Inc., 20823 Stevens Creek Blvd., Cupertino, CA 95014

### **Chameleon32**

Retail Price: \$495  
Phone: (408) 973-7171  
Fax: (408) 257-6405  
Available: Now

*Chameleon32 -TCP/IP Applications for Windows NT. Features: Extensive set of applications, Point-and-click user interface, Cut and Paste between windows, written to Window Sockets API standards.*

Chameleon32 provides an extensive set of TCP/IP applications. These include Telnet terminal emulation (VT100, and VT200 ), TN3270, FTP file transfer and Ping. All applications provide a point-and click user interface and allow cut and paste between windows. Chameleon32 lets users transfer files between Windows NT-based PCs and UNIX-based systems using the FTP transfer protocol. Chameleon32 is written to Windows Socket API, the new standard for TCP/IP socket for Windows. The combination of Chameleon32 and Windows NT is an outstanding TCP/IP client/server net- working solution. Chameleon32 demonstrates the power of Windows NT with the ease of use of the Windows user interface for TCP/IP networking.





Network Computing Devices, Inc. PC-Xdivision, 9590 SW Gemini Drive, Beaverton, OR97005

**PC-Xware for Windows NT**

Retail Price: \$545  
Contact: Rob Warmack  
Phone: (503) 641-2200  
(800) 800-9599  
Available: First Quarter 1993

Network Computing Devices' PC-Xware for Windows NT transforms your PC into an X server, ready to run X applications residing anywhere on your TCP/IP network. Applications complying to the X Window System are able to run side by side with Windows NT applications, offering an effective way to integrate Windows NT with other environments such as UNIX and VMS. Each X application is displayed in its own window and can be given the look and feel of Windows NT or utilize remote window managers such as Motif or OPEN LOOK. This integration is so complete that a user can even cut and paste graphics and text between applications.

Network Logics/Computer Logics, 14505 N. Hayden Rd., Suite 333, Scottsdale, AZ 85260

**LinkUp SNA Services for Windows NT Stand Alone 2.0**

Retail Price: \$495  
Contact: Ken Linker  
Phone: (602) 998-1033  
(800) 431-3460  
Fax: (602) 991-6713  
Available: Second Quarter 1993

*Complete IBM Host and LAN SNA communications package for the desktop Windows NT user, combines full set of Client and Server functions in a Standalone offering.*

LinkUp SNA Services for Windows NT: Standalone Version 2.0 provides an individual desktop user with a full set of communications facilities. Multiple host and peer connections are supported via DFT, SDLC, X.25, and 802.2 (Token-Ring and EtherNet) alternatives. Multiple 3270, LU0, and LU6.2 sessions are supported in combination with LinkUp AutoFeature productivity, HAP, and 3472 (3270) emulator set. Additional APPC, CPI-C, CSV, and API tools make the LinkUp SNA Services Standalone product a technology leader.

Network Logics/ Computer Logics, 14505 N. Hayden Rd., Suite 333, Scottsdale, AZ 85260

**LinkUp SNA Services for Windows NT Client/Server 2.0**

Retail Price: \$2995 and up  
Contact: Ken Linker  
Phone: (602) 998-1033  
(800) 431-3460  
Fax: (602) 971-6713  
Available: First Quarter 1993

*Complete IBM Host and LAN SNA communications package for up to 256 LAN users, using an open client-server architecture under Windows NT.*

LinkUp SNA Services for Windows NT: Client/Server Version 2.0 provides up to 256 PC users with a full set of communications facilities. Multiple host and peer connections are supported via DFT, SDLC, X.25, and 802.2 (Token-Ring and EtherNet) alternatives. Multiple 3270, LU0, and LU6.2 sessions are supported in combination with LinkUp AutoFeature productivity, HAP, and 3472 (3270) emulator set. Additional APPC, CPI-C, CSV, and API tools make the LinkUp SNA Services Client/Server product a technology leader.



New Horizons Software, Inc., 206 Wild Basin Road, Suite 109, Austin, TX 78746

### **A-Talk**

Retail Price: Call  
Contact: Richard Unland  
Phone: (512) 328-6650  
Fax: (512) 328-1925  
Available: December 1992

*Comprehensive communications package for the Windows 3.X, Windows NT and Windows for Workgroups operating systems. A-Talk supports Network DDE, Microsoft Mail, Drag and Drop, Tektronix 4014 emulation and speech.*

A-Talk is designed not only for the beginner but also for the power user who wants to use Network DDE hot links to access and share information such as stock quotes. Host mail may be forwarded using the Microsoft Mail connection. A-Talk provides a powerful script language with learn mode, an interactive script editor, and superior terminal emulations that include VT100 and Tektronix 4010/4014. A-Talk supports 9 protocols, weather graphics, the Clipboard, the DDE Management Library, TrueType fonts, Common Dialogs, on-line help, Drag and Drop, history buffer, split window (CB), an unlimited phone directory with queue dialing and journal function.

Peerlogic, 555 Deharo Street, San Francisco, CA 94107-2348

### **PIPES Platform**

Retail Price: Call  
Phone: (415) 626-4545  
(800) 873-7927  
Fax: (415) 626-4710  
Available: First Quarter 1993

PIPES Platform provides a framework for the development and deployment of client-server and peer-to-peer applications. Applications developed to PIPES Platform have true operating system and transport-independence, high performance and reliability. PIPES Platform Kernels run on each machine, forming a distributed layer that handles all communications and resource management. PIPES Platform incorporates a global naming service, dynamic routing and context-bridging. Applications access PIPES Platform by way of the PIPES API. PIPES Platform is available now for DOS, DOS/Windows, OS/2, SunOS, AIX, NetWare 386, and MVS. Call for pricing and more information: (800) 873-7927.

Persoft, Inc., POBox 44953, Madison, WI 53744-4953

### **SmarTerm 340 for Windows NT**

Retail Price: Call  
Contact: Jackie Morgan  
Phone: (608) 273-6000  
(800) 368-5283  
Fax: (608) 273-8227  
Available: Second Quarter 1993

*SmarTerm® for Windows NT precisely emulates Digital Equipment Corporation® (Digital) VT series text terminals, providing complete PC-to-host communications.*

SmarTerm for Windows NT provides simultaneous access to VAX/VMS and UNIX/ Ultrix hosts. SmarTerm for Windows NT enables site managers to customize PC-to-host interaction, thereby reducing end-user support and training requirements. A customizable button palette provides a pop-up display with customizable labels and actions associated with each button. Users can "click" on buttons on the palette to send the host a pre-defined sequence, a specific keystroke or to invoke a script. Predefined button palettes

for common host tasks (such as e-mail and word processing applications) and SNA gateway commands are provided. The customizable help system lets managers tailor SmarTerm's help information to meet their site's specific needs. All Digital VT series text terminals are emulated, including VT420, VT320, VT220, VT125, VT100, and VT52, as well as ANSI terminals.

P.I. Technologies, 9827 Independence Ave., Chatsworth, CA 91311

**RDCL/NT**

Retail Price: \$795  
Phone: (818) 727-9035  
Fax: (818) 727-9641  
Available: January 1993

*Connectivity software for accessing remote VAX systems from Windows NT clients.*

RDCL/NT allows remote execution of VAX DCL commands to remote VAX/VMS systems. This product will allow users to quickly and seamlessly coordinate and synchronize processing among networked VAX/VMS systems. Accomplish routine tasks remotely through the use of DCL procedures imbedded within Windows NT batch scripts or through an interactive invocation. Commands to multiple networked systems can be issued simultaneously. This will allow the general user or system manager to direct remote systems without leaving the Windows NT environment. VAX and VMS are trademarks of Digital Equipment Corporation.

ROI Company, Inc., 1117 Perimeter Center West, E. Bldg., Atlanta, GA 30338

**ROI/COM/400**

Retail Price: Call  
Contact: Gerry Thurston  
Phone: (404) 923-6105  
(800) 395-6105  
Fax: (404) 923-0016  
Available: Now

*Talk to an AS/400 in REAL-TIME without cards, protocol converters, emulations, or adapters, using the standard PC serial port!*

The ROI/COM/400 toolkit allows any PC serial port to talk directly to any AS/400. ROI/COM runs on the AS/400 and converts the existing AS/400 comm port into an asynchronous ASCII serial port. No hardware is involved. Any language can send and receive transactions, files, fields, or barcode data. On the Windows NT side, simple serial port reads and writes provide real-time communication. AS/400 resource usage is low because 5250 sessions are not used, or supported. You define the data stream. Real-time or batch queries and updates are now possible. This mature product was released in August, 1990, and is now in Version 3.0.

Salt River Systems International, 5333 E. Hearn Road, Scottsdale, AZ 85254-2922

**SRSI->FORD**

Retail Price: Call  
Contact: Ervin Mrotek  
Phone: (602) 494-9609  
Available: Second Quarter 1993

*SRSI->FORD is a powerful, easy-to-use, multi-protocol, Windows NT-, WIN32S-, WIN 3.1-to-Tandem connection facility loaded with features at an inexpensive price.*

SRSI->FORD implements Windows NT-, WIN32S-, Windows 3.1-to-Tandem mainframe connectivity via a simple, yet powerful client API. Supported protocols include NetBIOS and TCP/IP with X.25, LU6.2, and asynchronous support scheduled for later in the year. Features include multi-session no wait I/O, Tandem multithreading, Tandem TMF protection, integer byte order handling, and selectable message encryption. The Tandem server gateway can be configured as fault-tolerant. SRSI->FORD can be used with any language or development tool supporting the Windows API. Clients can interface to new or existing Tandem servers and, in the next release, with the Tandem SQL-Server Gateway.



Sitka Corporation, 950 Marina Village Parkway, Alameda, CA 94501

### **OpenTOPS**

Contact: Rick Brown  
Phone: (510) 769-9669  
(800) 445-8677  
Fax: (510) 769-8771  
Available: First Quarter 1993

*Based on the Microsoft networking standards used in Windows for Workgroups and Windows NT, OpenTOPS will provide open, peer-to-peer networking solutions for connecting mixed computer platform environments .*

OpenTOPS will connect mixed computer platforms, including Windows, DOS, Macintosh, Pen and Unix, in an open peer-to-peer architecture based on the SMB and NetBIOS networking standards used by Microsoft in Windows NT, Windows for workgroups and LAN Manager. OpenTOPS will add peer-to-peer, cross-platform connectivity to Microsoft-based enterprise networks while maintaining the ease-of-use and low-cost of peer-to-peer solutions.

Software Corp. of America, 100 Prospect Street, Stamford, CT 06901

### **TalkThru for Windows**

Retail Price: \$150  
Contact: Sales  
Phone: 1 (800) 966-7722  
Fax: 1 (203) 359-3198  
Available: December 1993

*TalkThru for Windows brings you communications software providing access to a wide variety of hosts through an extensive list of protocols for Windows NT.*

TalkThru for Windows - provides a single vendor solution to all of a user's connectivity requirements. TalkThru provides Terminal Emulation to a full range of hosts and outside services with over 20 protocols currently supported. File Transfer, including IBM's INDSfile, Kermit, and X,Y and ZMODEM are supported. Scripting is accomplished through TalkThru's script language, AUTOPILOT, and if users already own any of SCA's products, the scripts are completely portable to Windows NT. TalkThru for Windows also provides an IBM compatible EHLAPI programming interface to all of the asynchronous protocols TalkThru supports. TalkThru is a product designed to take full advantage of the features of Windows NT.

Software Ventures Corporation, 2907 Claremont Ave., Berkeley, CA 94705

### **MicroPhone Pro for Windows NT**

Retail Price: \$295  
Phone: (510) 644-3232  
Fax: (510) 848-0885  
Available: Second Quarter 1993

*Full featured interactive communications program with powerful scripting.*

MicroPhone Pro for Windows NT is an advanced communications package used to retrieve information from a variety of online services, participate in office-to-office business reporting, and exchange data with other computers. MicroPhone Pro for Windows NT features multitasking, Multiple Document Interface, and network support. Terminal emulations include VT52, VT100, and VT102; protocols supported are XMODEM, YMODEM, YMODEM-G, ZMODEM, and text file transfer. Powerful scripting support includes a Script Editor that lets you point and click on commands to create a script. In addition, a Watch



Me feature can record your actions and build a script automatically.

Symbiotics, Inc., 725 Concord Avenue, Cambridge, MA 02138

**NetWorks!**

Contact: Duncan Mackay  
Phone: (617) 876-3635  
(800) 989-9174  
Fax: (617) 876-0157

*With NetWorks! developers can easily create client-server and peer-to-peer applications.*

The NetWorks! family of products provides the tools to allow developers to enable their applications to make best use of the resources available in the network. Developers have to write a simple program to interface their applications to NetWorks! messaging facility synchronizes the movement of requests and data between different platforms across the network, handling all the complex issues with network protocols and different operations systems. NetWorks! provides an intuitive Graphic User Interface on the client to enable end users to easily access existing server applications on PCs, minis and mainframes.

Wall Data Incorporated, 17769 NE 78th Place, Redmond, WA 98052-4777

**RUMBA®**

Phone: (206) 883-4777  
(800) 48-RUMBA  
Fax: (206) 885-9250

*Desktop to IBM host connectivity with RUMBA software and Windows NT.*

RUMBA software brings IBM host applications to your PC or RISC workstation, where you can view and work with them just like Windows applications. RUMBA QuickStep macros automate long procedures with a single mouse click. RUMBA HotLinks create automatic updates between IBM host data and Windows based applications. RUMBA HotSpots execute complex functions by pointing and clicking on text areas on the screen. Simple menus, dialog boxes and instant on-line help guide you through all selections. RUMBA software operates with Microsoft SNA Services for Windows NT as a client or as a stand-alone workstation.

XtcN Ltd., 11 Roxbury Avenue, Natick, MA 01760

**ILB-100 ISDN LAN Bridge**

Retail Price: \$2,000  
Contact: Richard Lamb  
Phone: (508) 655-2960  
Fax: (508) 655-4559  
Available: December 1992

The ISDN LAN Bridge (ILB-100) provides ISDN based connectivity between Ethernet local area networks. The protocol independent ILB-100 bridges LAN traffic over an ISDN basic rate interface. An ISDN basic rate interface telephone line provides a 128K bps digital data pipe between the LAN bridges. Connectivity costs are further reduced due to the integral ISDN-U interface built into the ILB-100. The ILB-100 implements the Spanning Tree Algorithm so it can coexist with other bridges on your network or can even be used to backup a T1 bridge. The ILB-100 can be managed by any Windows NT system on your LAN.

**Young Endeavors Software,240 W. Nevada St, Ashland, OR 97520**

**Zlink**

Retail Price: \$50  
Contact: Jim Young  
Phone: (503) 488-1532  
Available: Second Quarter 1993

*Complete modem communications application for Windows NT.*

Zlink provides a full range of functions for modem communications under the Windows NT operating system. File transfer protocols include XMODEM, XMODEM 1K, YMODEM, YMODEM batch, Compuserve B and B+, Kermit, Zmodem and ASCII. Terminal emulations supported are VT52 and VT102. Zlink's other features include unlimited dialing directory, event tracking, script support, logging to file and terminal scrollback buffer. Zlink has been optimized to use the Windows NT operating system to its fullest, providing superb performance in a communications program.

## EIS/Decision Support Systems

Commercial Expert Systems, 49 Page Circle, Marlborough, MA 01752

### **FYX Diagnosis Tool**

Retail Price: \$199  
Phone: (508) 480-9311  
Available: First Quarter 1993

*Tool for building and delivering diagnostic, help-desk, and debugging systems. Diagnostic reasoning combines with Windows NT interface to form an easy to use, low cost expert system tool for non-programmers.*

FYX Diagnosis Tool allows a person or organization to capture diagnosis data in a natural symptom-cause form. No programming is required because all diagnosis logic is pre-programmed. The result is delivered to a user who interacts with the Windows NT graphical interface to assign symptom likelihood, select diagnosis techniques and strategies, and view possible causes. FYX can be used to create diagnosis, help desk, and debugging systems in most all areas including: machinery and electronics diagnosis, medical diagnosis, process and discrete manufacturing, field service applications, management, and programming language debugging.

Comshare, Inc., 3001 S. State St., Ann Arbor, MI 48108

### **Commander EIS**

Retail Price: \$1,500  
Contact: Chris Kelly  
Phone: (313) 994-4800, x 5000  
(800) 922-7979  
Fax: (313) 769-6943  
Available: Second Quarter 1993

*Delivers critical business data to managerial end users' personal computers. Easy access to Electronic Briefing Book, news, competitive information, and E-mail; "Smart reporting" of defined exceptions; improves management productivity.*

Dynamic data links to SQL data bases and other data sources, including DB2, SQL/DS, and other popular DBMS. Builder tools offer point-and-click mode and expert mode for maximum productivity with ease of use. Supports Windows, Macintosh, and IBM OS/2, plus most hosts and communications protocols. Data reshaping facilities to transform raw data into usable data. Application management so IS can support growing user populations in distributed environment. Security. Build managerial applications including statutory financial reporting, enterprise budgeting, Total Quality Reporting, profit management reporting, and executive and managerial support systems. Delivers critical business data to managerial end users' personal computers. Easy access to Electronic Briefing.

Dagonet Software, 2904 La Veta Drive NE, Albuquerque, NM 87110-3110

### **Desire**

Retail Price: \$695  
Contact: Louis Baker  
Phone: (505) 883-0381  
Fax: (505) 883-0381  
Available: July 1993

*Discrete Event Simulation: Interactive, Rapid, Effective.*

DESIRE is a simulation system for the business executive. No longer is simulation a tool limited to experts.

Simulations are developed with a graphical interface, can be animated, and the user can interact with such simulations, viewing results or changing conditions as the simulation evolves. Performance of networks, organizations, factory floors, etc., can be predicted and these systems optimized using the simulation results.

Environmental Systems Research Institute, 380 New York Street, Redlands, CA 92373

**ArcView**

Retail Price: Call  
Contact: Marketing Dept.  
Phone: (909) 793-2853  
Fax: (909) 793-5953  
Available: Now

*Powerful geographic exploration application software from the GIS industry leader provides spatial data visualization and query tools for standalone PCs or NFS clients.*

ArcView provides a rich MDI-based environment in which to explore geographic data at global, national, or local scales, available from numerous vendors. Suitable for use in natural resource monitoring, demographic studies, marketing analysis, government, education, ect. Display vector and raster image data concurrently. Perform spatial and logical queries on database files and spreadsheets in common file formats linked to geographic data to create publication quality maps.

JTM&Associates, Inc., 3000Tall Oaks Drive, Blacksburg, VA24060

**MultiCaster**

Retail Price: \$45,000  
Contact: Dr. John T. Mentzer  
Phone: (703) 552-0497  
Fax: (703) 552-1741  
Available: January 1993

*MultiCaster is a multi-product forecasting package that has been shown to be the most accurate forecasting package available.*

MultiCaster is a forecasting package that combines the advantages of automatic time series and regression forecasting with subjective forecasting in a spreadsheet environment. MultiCaster has no limit to the number of products it can forecast. It has already been successfully implemented by several manufacturers and one federal government agency.

Kenan Technologies, One Main Street, Cambridge, MA 02142-1517

**ACUMATE**

Retail Price: \$2,500-\$6,000  
Contact: Steve Dalton  
Phone: (617) 225-2224  
Fax: (617) 225-2291  
Available: November 1992

*ACUMATE for Windows NT combines the mainframe power of a multidimensional database and business decision support environment with the familiarity and comfort of a PC.*

ACUMATE users integrate enterprise-wide data, analyze it, and produce graphs and reports in a colorful GUI. Unlimited multidimensionality provides data drill-down, roll-up, and rotation for users and simplifies reconfiguration for developers. Bring together disparate data sources with dynamic SQL links to common RDBs, a data loader/file reader, and links to spreadsheets. Analyze data with sophisticated statistical, forecasting, and business modeling tools and output information to standard or ad-hoc graphs and reports. Other features include true platform portability, a 4GL, and rapid prototyping tools.

Natural Language, Inc., 2910 Seventh Street, Berkeley, CA 94710

### **Natural Language**

Retail Price: Call  
Phone: (510) 841-3500  
(800) 654-5858  
Fax: (510) 841-3628  
Available: December 1993

Natural Language is a data retrieval tool that allows end users to extract strategic information from the major relational databases. Information users simply enter their queries in conversational English, without concern for complex database structure or any special syntax. From the English query, Natural Language generates SQL code, sends the SQL to the RDBMS for processing, and then presents the data. Users can easily format the data into a report or integrate it with spreadsheets, graphics, and other analytical tools. Databases supported include Oracle, Ingres, Sybase, Informix, Rdb, and ALLBASE/SQL.

Pilot Software, Inc, 40 Broad Street, Boston, MA 02109

### **LightShip Version 3.2**

Retail Price: \$795  
Contact: Michael G. Dowding  
Phone: (617) 350-7035  
(800) 944-0094  
Fax: (617) 426-6525  
Available: September 1992

*PC-based visual information access (VIA) system for Windows 3.x that provides intuitive access to text, numbers, images, and graphical data.*

LightShip 3.2 is an enhanced version of the industry's first PC-based visual information access (VIA) system for Windows 3.x. LightShip 3.2 offers a variety of new features that streamline the development and maintenance of VIAs—powerful graphical front-end systems that provide fast and easy access to a variety of information. LightShip is a graphical front-end that provides intuitive access to text, numbers, images, and graphical data. LightShip is built to help customers gather, organize, and analyze data quickly and easily, enabling decision makers to receive updated views of their business operations. Since LightShip runs in a Windows environment, it takes advantage of DDE.

Pioneer Software 5540 Centerview Drive, suite 324 Raleigh, NC 27606,

### **Q, E Database Editor 5 for Windows NT**

Retail Price: \$299  
Contact: Inside Sales  
Phone: (919) 859-2220  
(800) 876-3101  
Fax: (919) 859-9334

*Q+E Database Editor 5 brings data to your desktop! Professional reports, a customizable Icon Bar, Query-By-Example forms—all in one easy-to-use application. LAN Times says Q+E “just might be the only database tool you will ever need.”*

Q+E Database Editor 5 makes it easy to get to and work with information in your business database. With Q+E Database Editor, you can generate professional reports with breaks and subtotals, design your own Query-By-Example forms, build sophisticated queries without knowing SQL, customize your Icon Bar with your own icons that issue commands or launch scripts, build “data bridges” to other applications, and resubmit your saved queries when the data changes. Supports AS/400, Btrieve, dBASE, DB2, Excel .XLS files, INGRES, NetWare SQL, Oracle, OS/2 DBM, Paradox, Progress, SQLBase, SQL/DS, SQL Server,

Sybase, Tandem NonStop SQL, text files, XDB, and more are database formats in development.



Resource Concepts, Inc., 111 W. First Street, Suite 748, Dayton, Ohio 45402-1106

### **Q-Net**

Retail Price: \$495  
Phone: (513) 461-4606  
Fax: (513) 461-7908  
Available: December 1993

*Integrated process-resource simulation and queuing system with dynamic simulation modeling through interactive graphical networks and animation. An inexpensive, easy to use alternative to process-iteration simulation languages.*

Q-Net is an exceptional process network modeling tool which provides both the seasoned simulationist and non-technical manager powerful decision support for evaluation of simple or complex simulation/queuing problems without custom programming. Graphical task networks allow rapid creation, testing and operation of accurate system models with comprehensive resource tracking. Modeling complex real-world problems is eased through Q-Net's powerful data import/export facility, which provides rapid access and output to X-BASE, Microsoft Excel, and AutoCAD .DWG files, as well as ASCII-text. Superior graphics include Geographic Information System support.

Service Data Management Corp., 20 Trafalgar Square, Nashua, NH 03063

### **Service Edge®**

Retail Price: Starting \$3,500  
Contact: Thomas F. Kenney  
Phone: (603) 882-7783  
Fax: (603) 882-3616  
Available: Fall 1993

*The best in Service Management Systems incorporating all the flexibility and power of Windows NT.*

SERVICE EDGE is a very effective and comprehensive Service Management System that is designed to aid you in managing a profitable and efficient service organization. Built around a powerful relational database with flexible fourth-generation programming tools, it is continually being evaluated and updated in our own, in-house dispatching center. SERVICE EDGE has the resources to manage field activities with its Call Handling & Dispatch module, software support activities with its TAC (Technical Assistance Center) module, and parts management with its Logistics module.

Spatial Data Systems, Inc, 8200 Greensboro Drive #1020,,McLean, VA 22102

### **MapStation**

Contact: John J. Turner  
Phone: (703) 893-0183  
Fax: (703) 734-1965  
Available: August 1993

MapStation Demographic Analysis Workstation Software, a general-purpose geographic analysis and decision support system provides a means of efficiently using the massive databases produced by the Bureau of the Census, including the TIGER geographic database, the PL94-171 demographic data, and the STF-1A, STF-1B, or STF-3A demographic and econometric databases. MapStation has been tailored for demographic analysis and territory definition, but has general-purpose spatial decision support tools which will also be invaluable for analysts working in market research, site selection, sales territory alignment, survey and sample definition, and other data-intensive spatial analysis tasks.



Spinnaker Software, 201 Broadway, Cambridge, MA 02139

### **Personal Access**

Retail Price: \$695  
Contact: Jeff Boehm  
Phone: (617) 494-1200 x555  
(800) 323-8088 x555  
Fax: (617) 494-0173

*Powerful database access and reporting tool that allows end-users to create custom queries and reports quickly, simply and independently.*

Create your own database queries and customized reports in minutes without knowledge of programming by pointing and clicking. Display complex data, edit and join information from dBase, Paradox, Btrieve, SQL Server, Oracle, Sybase, Netware SQL, Ingres, DB2. Built on PLUS technology which allows you to build complete applications from queries. Exploit full power of Windows through DDE to link database information to broad range of applications.

Ventana Systems, Inc., 149 Waverley Street, Belmont, MA 02178

### **Vensim**

Retail Price: \$2,001  
Contact: Bob Eberlein  
Phone: (617) 489-5249  
Fax: (617) 489-5316  
Available: October 1992

*Vensim is an integrated environment for quickly developing and analyzing high quality simulation models of business, social and engineering systems.*

Vensim is a modeling and simulation environment that allows you to represent complex business and social problems as straightforward cause and effect diagrams and, in turn, casual equations. Simulation shows the behavior that results from the cause and effect relationships. The analysis tools in Vensim allow a thorough understanding of even the most complicated feedback systems and Vensim's optimization capabilities streamline model calibration, testing and evaluation. The Windows NT version of Vensim removes all limitations on model size and substantially increases performance.

Windowcraft Corporation, 289 Great Rd., Acton, MA 01720

### **Windowcraft NT**

Retail Price: \$495  
Phone: (508) 263-7674  
(800) 828-2268  
Fax: (508) 263-4158  
Available: November 1992

*Fast Application Developer for building prototypes, animated and interactive presentations, tutorials and executing HyperCard stacks in Windows NT.*

Windowcraft supports a wide variety of both Windows-style and non-Windows style objects — 7 types of button, 4 types of text field, 4 types of scrollbar, 8 types of draw objects plus paint field objects and foreground/background bitmaps. Its scripting language is a superset of HyperTalk (typing is optional and NOT required), and offers a full, general-purpose environment matched with the speed of commercial animation products. DLL access, DDE support, multiple independent window support are provided.



## Electronic Mail

Lotus Development Corp., 55 Cambridge Parkway, Cambridge, MA 02142

**cc:Mail**

Contact: Cliff Conneighton

Phone: (617) 577-8500

cc:Mail is the world's most popular LANe-mail system.

## Fonts/Font Utilities

The Font Company, 7850 E. Evans Rd., Suite 111,,Scottsdale, AZ 85260

### **The Font Company Type Library**

Retail Price: Call  
Phone: (602) 998-9711  
(800) 442-3668  
Fax: (602) 998-7964  
Available: Now

*High-quality type library available as a value-added resource for application and hardware developers, systems integrators and VARs.*

The Font Company Type Library numbers more than 2,000 typefaces – all fully hinted and in PostScript Type 1 or TrueType format. Text, display, calligraphic, script, black letter and decorative designs are all available in great variety. Fonts are packaged with as many as 440 kerning pairs. The Font Company fonts can be installed on any Windows-based system as TrueType or as PostScript (with Adobe Type Manager). They will output on any Windows supported printer. Custom bundles may be licensed for inclusion with your hardware or software, prices on request.

## Graphics

Abakar, 305 W. Magnolia St. #156, Fort Collins, CO 80521

### **Wren & Annie Get Personal**

Retail Price: \$395  
Contact: Jamison Gulden  
Phone: (303) 493-2716  
Available: June 1993

*An easy to use 3-dimensional computer graphics modeling, animation, and rendering package.*

Wren & Annie is an integrated 3D computer animation package that emphasizes ease of use and low cost. Wren is the image renderer part of the package and supports shadows, reflections, area light sources, procedural texturing, motion blur, and depth of field effects. Annie provides the ability to model 3-dimensional objects and animate them. Modeling primitives include polygons, conics, and surface patches. Animation capabilities include hierarchical parenting, linear and spline motion paths, procedural animation effects, and animated deformations.

Abakar, 305 W. Magnolia St. #156, Fort Collins, CO 80521

### **Emma Jean**

Retail Price: \$395  
Contact: Jamison Gulden  
Phone: (303) 493-2716  
Available: September 1993

*Performs off-line nonlinear editing and manipulation of image sequences.*

Emma Jean can be used to capture video, perform nonlinear edits, and then record the results back to video media. It can also perform sequencing and manipulation of computer generated images and record them to video. Supported effects include scaling, motion, overlays, dissolves, filtering, convolutions, channel manipulation, matte generation, and titling. Video features require the use of supported hardware peripherals and video equipment.

Adept Computer Solutions, 1742 Garnet Ave. #206, San Diego, CA 92109

### **Street Wizard**

Retail Price: \$99  
Contact: Nick Doran  
Phone: (619) 270-4900  
(800) 578-MAPS  
Available: December 1992

*Street Wizard brings low-cost desktop mapping for the entire county to your home or office. Get Street Wizard, and Stop Getting Lost.*

Enter an address. Street Wizard will find it, highlight it, and display the surrounding area. It also shows you which side of the street the address is on, and tells you the zipcode.

With Street Wizard, you can highlight your starting point, destination, and intermediate points, then you can plot a route between them. Just click on the streets you want to take, and Street Wizard will follow your mouse clicks. Street Wizard will translate the route into text directions telling you where to turn, and how far to go between turns. Street Wizard calculates total travel distance, and approximate travel time. You can print a map, or a set of directions to take with you on your journey.

Binar Graphics, Inc., 30 Mitchell Boulevard, San Rafael, CA 94903-2034

### **WndSpeed Display Devices for NT**

Contact: Mr. Martin Ogawa  
Phone: (415) 491-1565  
Fax: (415) 491-1164

*WndSpeed\_Accelerated Display Drivers ensure performance and quality in running your Windows NT based applications.*

WndSpeed for Windows 3.X and Windows NT are Custom Display Driver Packages that utilize 32 bit processing for various Super VGA, 8514 and XGA Chip sets. These display driver packages are custom engineered to take advantage of the many accelerated chip features such as Accelerated BitBlt Engines, Hardware Cursor Support and Linear Display Driver Support. They are available in 8 bit, 15/16 bit "high color" and 24 bit "true color" with resolutions of 1024 x 768, 800 x 600 and 640 x 480. Binar Graphics, Inc. is a leading developer of graphics enhancement software based in San Rafael, California.

Computer Support Corp.,15926 Midway Road, Dallas, TX 75244

### **Arts &Letters Apprentice**

Retail Price: \$169  
Phone: (214) 661-8960  
Fax: (214) 661-5429  
Available: June 1992

*Apprentice - For Home and Office.*

Apprentice gives users the power and productivity of Arts &Letters in an inexpensive package for home and business. If you're new to desktop publishing, the Apprentice is particularly easy to learn and use; within a very short time, you can be creating professional-quality graphic compositions with ease.

The Apprentice comes with 3,500 award-winning art forms and clip-art symbols, as well as 35 typefaces. Also included are data-driven charting, predefined colors, lines, and fill styles, automatic text kerning, typeface preview, vector, raster, and gradient fills, text along a path, and interactive sizes/slant/rotate. Line and Beziér curve tools make drawing accurate and easy. Apprentice is the ideal solution for producing presentations and promotional items such as calendars, signs, flyers, maps, invitations, and stationery. And as with all Arts &Letters products, if you need it, technical support is free.

Computer Support Corp.,15926 Midway Road, Dallas, TX 75244

### **Arts &Letters Graphics Editor**

Retail Price: \$695  
Phone: (214) 661-8960  
Fax: (214) 661-5429  
Available: June 1992

*Graphics Editor - For Sophisticated Graphics.*

Top of the Arts &Letters line, the Graphics Editor can handle the most sophisticated drawing assignments, and according to PCMagazine, it is "the easiest-to-use illustration product for the PC." In addition to 8,000 award-winning clip-art images, 90 typefaces and all the capabilities of the Arts &Letters product family, the Editor provides you with highly advanced features. Warp/perspective allows you to simulate two-point perspective and three dimensional effects automatically. Hole-cutting allows backgrounds to show through objects as if they were transparent. Autotrace automatically traces bitmap images, transforming them into editable objects. Advanced curve editing tools, construction toolbox for precision drawing, line-to-curve conversion, automatic four-color separations. Graphics Editor gives you all this and more. The Graphics Editor is more than a collection of dazzling effects. Every feature is designed to meet your most pressing needs.





Computer Support Corp., 15926 Midway Road, Dallas, TX 75244

### **Arts & Letters Picture Wizard**

Retail Price: \$89.95  
Phone: (214) 661-8960  
Fax: (214) 661-5429  
Available: June 1992

*Picture Wizard - For Newcomers to Graphics. Picture Wizard is the only graphics program designed and written for kids and newcomers to computer graphics.*

Instructions are concise and extremely easy to understand. Users will be enchanted and stimulated for hours at a time because the Wizard is a complete graphics program. The list of features is truly amazing. Besides a Clip Art manager that gives you access to over 1,000 award-winning clip-art images and art forms, you get vector and raster fills, line and Beziér curve drawing tools, automatic charting, a dozen scalable typefaces and a lot more. Picture Wizard exercises the imagination, develops computer skills and stimulates creativity. You'll find images for a variety of subjects such as airplanes, animals, sports and world maps. Even "Old McDonald's Farm" and "Grab Bag & Scary Things" are in there, too. An Activities Manager offers up all sorts of projects, from making banners and pinwheels to coloring pictures and solving puzzles and mazes.

ETN Corporation, Rural Route 4, Box 659, Montoursville, PA 17754

### **PowerShoW**

Retail Price: \$495  
Phone: (717) 435-2202  
Fax: (717) 435-2802  
Available: Call

*PowerShoW version 3.3 provides advanced imaging functions for Windows and Visual Basic.*

PowerShoW version 3.3 is used to retrieve, manipulate, display and manage DIB, TIFF and Targa bitmaps. Palette manipulation, image colorization, zoom-in, zoom-out and scrolling are supported. Optimized for speed.

Fractal Design Corp., 335 Spreckels Dr., Aptos, CA 95003

### **Fractal Design Painter**

Contact: Stephen Thomas  
Phone: (408) 688-5300  
Fax: (408) 688-8836

*Fractal Design Painter® is a 24-bit-color paint program that simulates the tools and textures of natural media. Painter turns your computer into an expressive fine arts and graphic design tool.*

Fractal Design Painter is a 24-bit-color paint program that simulates the tools and textures of natural media. With Painter the eye actually sees the striated surface of oil paint, the saturated bleed of felt markers and the nubby richness of charcoal. Painter includes colored pencils, crayons, calligraphy pens, airbrushes, friskets and a variety of paint brushes for oils and water color. Painter's tools interact with different paper textures just as their natural-media cousins do. You can even choose your paper's color. Turn any photograph into a painting with brush strokes of masters such as Van Gogh and Seurat.

Golden Software, Inc., 809 14th Street, Golden, CO 80401

**Surfer**

Retail Price: \$499  
Contact: Greg Johnson  
Phone: (309) 279-1021  
(800) 972-1021  
Fax: (303) 279-0909  
Available: September 1993

*SURFER produces color contour and 3D surface maps from irregularly spaced X,Y,Z data sets.*

The SURFER program is a powerful contour and 3D surface mapping package. Several different gridding methods are available for producing a regularly spaced grid from a random X,Y,Z data set. Contouring options include automatic or user-specified contour levels, in-line contour labels, smoothed or unsmoothed contours, and color zones (including "flooded contours") for different contour levels. Data sets can be posted with symbols, text or numeric labels. Surface maps can be rotated or tilted to any angle, and viewed with or without hidden line removal. The program calculates volumes, surface areas, cross-sections and residuals.

Graphitti Software, 1070 N. Adler Avenue, Clovis, CA 93611

**Open Draw Professional**

Retail Price: \$495  
Contact: Steve Shaw  
Phone: (209) 299-7849  
(800) 484-1111, x0419  
Fax: (209) 299-1143  
Available: Now

*Unsurpassed graphics for business, scientific and technical users.*

Open Draw Professional is the perfect data analysis tool for professionals in business, marketing, science and technical fields. Open Draw allows data and graphics linking between other Window products. Open Draw brings intelligence to your data and graphics through dynamic "real-time" linking between multiple graphic images and data sets. In addition, Open Draw's DLL support provides C programmers with full control over graphic images. Open Draw's animation feature brings life to your presentations. Standard features include curve fitting, custom color palettes, mirroring, Beziér curves, Gantt charts, mapping, and other first class graphing tools. Open Draw has the unique feature of linking any geometric image to data from the built-in Open Calc spread sheet program, Excel, dBase compatible files or any DDE compatible Windows application.

Image-In, Inc., 406 E. 79th Ave., Minneapolis, MN 55420

**IMAGE-IN-COLOR Professional**

Retail Price: Call  
Contact: Roy S. Ostenso  
Phone: (612) 888-3633  
(800) 345-3540  
Fax: (612) 888-3633  
Available: First Quarter 1993

*IMAGE-IN-COLOR Professional offers the most advanced image editing and photo retouching features available.*

Select or mask unique areas with the Resize, Add, Subtract, Intersect, and Inverse options. Powerful tool options are available to control size, shape and pressure, spacing, fadeout, paint mode, repeat rate and tool edge with the right mouse button feature. Over 20 (twenty) advanced special effect and photographic filters include Wave, Spiral, Sphere, Ripples, Emboss, Motion Blur, Black hole, and even create user-defined filters. Easily select colors using the intuitive HSV and RGB color space models. Images can be color

separated into RGB, HSV or CMYK (for making print negatives/positives). Color separations, developed in cooperation with AGFA Compugraphic, controls include: GCR, UCR, Press Gain, and color absorption settings.

IMSL, Inc., 14141 Southwest Freeway, Suite 3000, Sugar Land, TX 77478-3498

### **IMSL/Graph for Windows NT**

Contact: Ken Beck  
Phone: (713) 242-6776  
(800)-222-IMSL  
Fax: (713) 242-9799  
Available: June 1993

*An interactive graphics library of application-level routines implemented as a Dynamic Link Library (DLL) providing powerful capabilities for creating high-quality 2D and 3D technical graphs .*

IMSL/Graph for Windows NT provides a diversity of plotting capabilities and customization options. Plot types include scatter plots, splines, box plots, histograms, polar plots, filled area charts, confidence intervals, function plots, contour plots, vector plots, bar charts, pie charts, and error bars. Customization options include choice of colors, fonts, marker types, multiple axes per plot, line types, and shading. IMSL/Graph for Windows NT includes a comprehensive GUI, allowing you to customize results quickly, and manipulate data without recompiling.

In-Tech,, 2412 Calico St., PO Box 4673, Las Vegas, NV 89108

### **ImageTech**

Retail Price: \$150  
Contact: Kevin Crawford  
Phone: (702) 646-5523  
Available: January 1993

*Offering professional features at an economical price, the ImageTech image-processing system combines the power of Windows NT with many popular image capture hardware cards.*

ImageTech will provide users with a single platform for capturing and editing live video images. Features include:

- a. Point processing for altering image brightness and color levels.
- b. Area processing to provide edge-detection, filtering, mosaics, and blurring of images.
- c. Frame processing to combine two or more images using various techniques.
- d. Geometric processing for texture mapping, rotations, and scaling.
- e. File formats include TARGA, BMP, PCX, and GIF.

Intergraph Corporation, Huntsville, AL 35894-0001,

### **ModelView PC**

Retail Price: \$2,500  
Phone: (205) 730-2000  
(800) 345-4850  
Fax: (205) 730-9550  
Available: Now

*ModelView PC is a 32-bit rendering and animation application running under Windows.*

Operating under Windows, ModelView PC accepts Intergraph 3D MicroStation models and DXF files for rendering and animation. The product features raytracing, antialiasing, shadows, bump mapping, and controls for applying color, patterns, finishes, reflections, and transparencies to model surfaces. Its graphical user interface has utilities for setting up view perspective, material assignment and definition, and real-time rendering for testing design scenarios. Interfaces with TIFF, GIF, PCX, and BMP, as well as DXF.

Ithaca Software, 1301 Marina Village Parkway,,Alameda, CA 94501

**HOOPS® A.I.R.®**

Contact: Amy Romanoff  
Phone: (510) 523-5900  
Fax: (510) 523-2880  
Available: Now

*HOOPS A.I.R.® (Advanced Interactive Rendering), an add-on module, brings the highest quality photorealistic rendering to HOOPS applications.*

A.I.R. combines radiosity, ray tracing and scan line rendering methods to produce interactive photorealistic rendering. Based on Hewlett-Packard's ARTCore® technology, A.I.R. provides unsurpassed levels of realism. Ray tracing provides transparency, translucency, specular reflection, as well as texture, bump and environment mapping. Radiosity provides fine diffuse shading and allows users to 'fly through' and interactively edit photorealistic scenes. A.I.R. shares HOOPS' unique strengths; portability across all major platforms, ease of declarative programming, and high speed performance. A.I.R. is optimized for Windows NT and Win32 application development and will support Win32s.

Ithaca Software, 1301 Marina Village Parkway, Alameda, CA 94501

**HOOPS® Graphics Development System**

Retail Price: \$4,200 /DL  
Contact: Amy Romanoff  
Phone: (510) 523-5900  
Fax: (510) 523-2880  
Available: Now

*High-level graphics development system used by programmers to simplify the creation of interactive and portable 2D and 3D graphics applications.*

HOOPS® Graphics Development System is a high-level graphics API used by many of the world's largest software developers, including Autodesk, Computervision and SPSS. HOOPS' declarative interface reduces development time by five to ten times compared to conventional graphics systems. HOOPS provides a single interface to all major platforms, window managers and graphics devices that lets programmers develop high-performance applications and port them across PCs and workstations without modification. HOOPS includes a hierarchical database, intelligent rendering engine, and an integrated input event manager. HOOPS is optimized for Windows NT and Win32 application development and will support Win32s.

Ithaca Software, 1301 Marina Village Parkway, Alameda, CA 94501

**HOOPS® I.M.**

Contact: Amy Romanoff  
Phone: (510) 523-5900  
Fax: (510) 523-2880  
Available: January 1993

*HOOPS I.M. (Intermediate Mode), an add-on module, extends user control and flexibility by integrating display and immediate mode graphics techniques.*

I.M. lets users define and represent their own graphical objects and rendering methods. User-defined primitives can be stored in the HOOPS database or directly rendered using portable HOOPS drawing routines. I.M. enhances users' design flexibility and allows for rapid display of large datasets or time-varying data. Like HOOPS, applications that use I.M. are 100% source code compatible across major platforms and take full advantage of advanced graphics display hardware, accelerators and hard copy devices. I.M. is optimized for Windows NT and Win32 application development and will support Win32s.



LEAD Technologies, 8701 Mallard Creek Rd., Charlotte, NC 28262

### **LEAD Tools 32DLL for Windows**

Retail Price: \$995  
Contact: Mark Schaffner  
Phone: (704) 549-5532  
(800) 637-4699  
Fax: (704) 548-8161  
Available: January 1993

An optimized 32-bit Dynamic Link Library for compressing, decompressing, converting, resizing, rotating, flipping and viewing images. LEADTOOLS 32 delivers speeds previously achieved only with hardware but in a software library. Compress color and greyscale images to over 200:1 ratio. Supports JPEG, LEAD CMP, TGA, TIFF, BMP, PCX, GIF, WMF, and EPS. Compress/Decompress a 24-bit 1 meg image in 1 second (486SX-20Mz).

McLain Imaging, 1009 Tulipan Drive, San Jose, CA 95129

### **IMAGE Assist**

Retail Price: \$1,495  
Contact: Lisa McLain  
Phone: (408) 252-6266  
(800) 826-2858  
Fax: (408) 252-6267  
Available: May 1993

*Professional bitmapped imaging software for AGFA and compatible film recorders. Fast and flexible imaging under Windows NT. Interactive and background operation.*

IMAGE Assist (IA) meets the advanced bitmapped imaging needs of the individual or professional imaging center. IA supports numerous formats; additional formats can be added via DLL interface. Image appearance is controllable through various scaling methods, in/output sizing, color, aspect ratio and more. IA runs interactively, in batch mode, active or passive server, locally or networked. On a network IA can be used as a remote imaging station. Efficient imaging for printing, photographic, or scientific applications. Some supported formats: TIFF, TARGA, Sun Raster, GIF, BMP, PCX, IFF, FLI, FLC, Freedom of Press Raster.

Numerical Design Limited, 1506 E. Franklin Street, Suite 302, Chapel Hill, NC 27514

### **rPlus Component Rendering Libraries**

Contact: Robert Whitton  
Phone: (919) 929-2917  
Fax: (919) 967-3237  
Available: Now

*An OEM rendering toolkit for developers that adds high-quality, high-speed rendering capabilities to graphics applications.*

The rPlus Component Rendering Libraries represent a new generation of rendering software. The innovative rPlus design lets developers integrate photo-realistic rendering capabilities directly into applications. rPlus offers Gouraud, Phong, and metallic shading; texture, environment, and bump mapping; and lighting, shadowing, fog, and transparency effects. The user-extensible image library manipulates images in a variety of formats. rPlus is independent of geometric data formats and display hardware, so the libraries are portable across many platforms. rPlus will enhance applications in animation, CAD, multi-media, presentation graphics, package design, and pre-press production.



SoftCraft, Inc., 16 N. Carroll Street, Madison, WI 53703

**SoftCraft Presenter**

Retail Price: \$595  
Contact: Sales  
Phone: (608) 257-3300  
(800) 351-0500  
Fax: (608) 257-6733  
Available: December 1992

*Effortless, multimedia business presentations.*

SoftCraft Presenter is a next-generation presentation graphics product that allows casual business users to easily produce high-impact, artistic business graphics. Also, because of Presenter's unique constraint management technology and intelligent clip art, animated, multimedia business presentations are available with a single menu selection.

Team Graphics, 248 S. Santa Fe, Salina, KS 67401

**Command Series NT Stealth**

Phone: (913) 825-8434  
(800) 445-5960  
Fax: (913) 825-8537  
Available: First Quarter 1993

*An intuitive front-end graphics shell and utility set for use with all major drawing and scanning packages, designed specifically for the screen printing industry.*

The Command Series NT Stealth version 3.2 implements point and click program launching, file compression, font creation and editing, complete file and disk utilities accessible from one easily customized menu. One button access to all desktop accessories makes the Command Series NT Stealth easy to use for even the most novice computer user. Specially written for the screen printing industry the Command Series NT Stealth includes a Vendor Database, Print/Garment/Art Pricing System armed with a 300+ Font Pack and 12000+ Clipart Image Library makes this package a must for every screen printer.

TechPool Software, 1463 Warrensville Center Road, Cleveland, OH 44121

**Transverter Effects**

Retail Price: \$129.95  
Contact: Paul Veregge  
Phone: (216) 382-1234  
Fax: (216) 382-1915  
Available: June 1993

*A special effects illustration tool that allows global changes to AI files.*

Transverter Effects adds flexibility to AI files and creativity to your output. Effects lets user control line thickness, allows color adjustments including contrast, brightness, saturation and hue. Converts color to gray tones, outline or shadow. Features include color ghosting, warping effects, perspective changes. Lists and changes typefaces. Exports vector and bit mapped formats. Designed with graphic designers, professional illustrators, art directors in mind.

TechPool Software, 1463 Warrensville Center Road,,Cleveland, OH 44121

### **Transverter Pro**

Retail Price: \$179.95  
Contact: Paul Veregge  
Phone: (216) 382-1234  
Fax: (216) 382-1915  
Available: June 1993

*A multifaceted tool for PostScript images and files that works as a complete PostScript interpreter, translating EPS, AI, and PS files to all major formats.*

Transverter Pro is a must have utility for anyone working with PostScript files. Users can import any Postscript file into any Microsoft Windows NT application. Handles complex PostScript functions like “masking” and “compound objects.” Translates PostScript to vector and PostScript to raster resulting in editable images that retain the integrity of the original. Transverter Pro allows user to combine raster and PostScript images. Special effects include gray tone adjustments, quick color changes, moving from color to line art or shadow. Other features include text handling with 35 resident Type 1 fonts, and on-screen color preview.

Tsunami Software, 213 Canon Perdido St., Santa Barbara, CA 93101

### **Windows 3D Access**

Retail Price: Call  
Phone: (805) 568-5535  
Available: First Quarter 1993

*3D graphics development system provides interactive 3D wireframe and shaded geometric rendering in a package that is tightly integrated with the Windows and Windows NT environments.*

The Windows 3D Access development system is designed to provide high-performance interactive 3D graphics - both shaded and wireframe - within the Windows NT environment. The package includes direct support for Windows bitmaps, metafiles, the clipboard, and OLE. 3D Access is written in C++, so the 3D graphics windows classes can be customized and extended to meet particular application requirements; and the architecture can also support hardware-accelerated rendering. The development system is available in various forms (object or source) for inclusion as a rendering engine in commercial or in-house applications.

Visual Software, Inc., 21731 Ventura Blvd., Suite 310, Woodland Hills, CA 91364

### **Renderize for Windows**

Retail Price: \$895  
Phone: (818) 883-7900  
(800) 669-7318  
Fax: (818) 593-3750  
Available: January 1993

*Photorealistic 3D rendering that takes quickly and easily turns 3D DXF models into dynamic images.*

Renderize is an easy-to-learn, easy-to-use professional 3D rendering and still image composition tool written for anyone needing to communicate concepts or design photorealistically. The ease of Renderize is attributed to its graphical interface where all commands are performed with the mouse; drag-and-drop icons, dials, buttons and slider-bars perform all editing functions. Add unlimited light sources and camera views. Map surfaces with textures, bump maps, reflections or transparencies. Final images are high-resolution, true 32-bit color.

Yale Graphics, 228 Mill Street, Old Mill Building, Milford, OH 45150

**ImageStation**

Retail Price: \$695

Phone: (513) 831-8289

Available: December 1993

*A complete presentation graphics system which includes the following modules: Paint, Draw, SlideShow, Graph, Data Editor, and Batch Output.*

ImageStation provides all the tools necessary to create compelling presentation graphics in one economical and easy-to-use program. Extensive painting tools provide professional level image editing. The Draw module is a powerful illustration package for the creation and manipulation of object-oriented drawing images. Graph is an extensive charting module for the creation of both business and scientific chart types. The SlideShow module provides the capability of creating an on-screen slideshow with complete control over timing, transitions, and branching.

## Home Productivity/Education/Recreation

ARISTO-CUE, RD. #4, Box 6004, Milford, PA 18337

### **AQUA VENTURE**

Retail Price: \$69.95  
Contact: John G. Ruthowski  
Phone: (201) 430-8850  
(717) 296-6921  
Available: November 1993

*An educational/adventure program that allows you to search for lost treasure while learning about ecology and Windows NT.*

AQUA VENTURE is a new adventure program that places you in a lost city under the ocean, where you become a young adventurer in search of a treasure stolen from a Spanish Ship and hidden in an unknown underwater city. In your adventures you will learn about the sea and the beautiful creatures that inhabit it, while experiencing the dangers only the sea can bring. You will learn to use Windows NT with an application that was created specifically for it. AQUA VENTURE is sound compatible with the Sound Blaster and the Roland MT-32.

Artel Software Inc., 1100 Hooksett Rd., Suite 427, Hooksett, NH 03106

### **World of Chess for Windows NT**

Retail Price: \$45  
Phone: (603) 485-2531  
Fax: (603) 485-9413  
Available: March 1993

*Much more than just a chess program, WOC for Windows NT brings together users on Windows NT network for exclusive recreation and chat over the chess board.*

World Of Chess (WOC) for Windows NT combines outstanding networking facilities of Windows NT with the timeless game of chess. Battle your computer or plunge into cyberspace, "walking" from "room" to "room" in the network "club house." You can watch others playing, chat with people in the "room" or challenge your coworkers for a friendly game. WOC for Windows NT is an ideal lunch hour recreation, making users familiar with each other and with Windows NT. It also features hundreds of classic games and problems. Administrator of WOC server can set up various user access options, including usage of nicknames and restricted time of operation. Also supports Windows For Workgroups clients.

Clysmic Software, PO Box 2421, Empire State Plaza, Albany, NY 12220

### **Clysmic Lunar Almanack**

Retail Price: \$34.95  
Phone: (518) 438-5548  
Available: April 1993

*The Clysmic Lunar Almanack for Windows NT provides a colorful display of the moon's phases and other information.*

The Clysmic Lunar Almanack for Windows NT displays the phase and age of the Moon, its constellation and signe, the times of the moon's rising, southing, and setting, and moonlore and poetry, all in a colorful, graphical, slick format, with classic "Almanack" style pictures of the phases.

Computer Options, 630 Kenyon Avenue, Kensington, CA 94708

### **CHESTRIS**

Retail Price: \$29  
Contact: Judd Robbins  
Phone: (510) 525-5033  
Fax: (510) 524-0711  
Available: May 1993

*Unusual and exciting new video game for Windows users. The game blends the best features from an old favorite (chess) and a modern-day winner (Tetris).*

The most popular video game of the last decade (Tetris) has been successfully crossed with the most popular game of all time (Chess). Using a host of unusual sight and sound techniques, this new game can quickly become a new favorite of yours.#

Informatix, Inc., One Penn Plaza, Suite 100, New York, NY 10119

### **Principles and Practice in Modern Medicine**

Contact: Dr. Daniel R. Buskirk  
Phone: (212) 244-1555  
Available: January 1993

*Educational software series for health professionals, including resident and attending physicians.*

Each module in the series Principles and Practice in Modern Medicine contains both educational and reference material. Educational sections provide a tutorial of some aspect of modern medical practice, such as determining the right prescription for a patient with Parkinson's disease or analyzing an EEG recording. Reference sections provide both encyclopedic information and references to the latest medical research published in major journals. A series of modules covering neurological subjects will be available in January, 1993. These modules include Parkinson's disease, epilepsy, and headache. Further modules will be released at regular intervals throughout the year.

Inner/Cept Software, PO Box 2500, College Station, TX 77841-2500

### **Genesis Bible Reference System**

Retail Price: \$99  
Contact: Tim Sims  
Phone: (409) 279-3836  
(800) 569-7134  
Available: January 1993

*Potent Genesis Bible reference system sets a new standard for range, power, and functionality in computer concordances.*

Genesis for Windows NT can instantly find words, phrases, or references in any part or all of the Bible using simple or complex searches; generate lists; output search results; set bookmarks; browse; annotate words and/or verses in multiple note files; and create multiple reference systems by associating verses. Other features include: Auto-save configuration; Multiple output formats for Bible text, notes, and lists; Pop-up list of all Bible words; Book/chapter/verse scrolling, Comprehensive status line display; Extensive on-line help system; Proximity searches; Full font support; Alternate translations (optional); Full Windows NT support.

Nehemiah Ministries, PO Box 46964, Seattle, WA 98146,

### **Bible4W**

Retail Price: FREE  
Contact: John Kuras  
Phone: (206) 762-6027  
Available: October 1992

*This fast 32-bit program is both an electronic King James Bible and unabridged concordance.*

Bible4W is an electronic bible program written specifically for use with Windows and Windows NT. The program provides students and laymen with the tool they need to quickly perform word studies and locate partially remembered verses. An electronic index to every word used in the King James text provides the fastest concordance function possible. Bible4W is also an invaluable productivity aid to pastors who prepare their sermons using Windows based word processors such as Write or Word for Windows. Verses are easily copied into Windows' clipboard for use outside Bible4W.

Pushbutton Technologies, 3443 Pine Haven Circle, Boca Raton, FL 33431

### **Practice Pal**

Retail Price: \$79.95  
Contact: Paul Quale  
Phone: (407) 483-5818  
Available: March 1993

*Quizzes and practice sessions for learning-disabled children.*

Interactive quizzes and practice sessions in reading, symbol and word matching, and simple consumer arithmetic. All materials are presented in a friendly, non-competitive and non-threatening manner, with positive reinforcement for progress. Difficulty levels are adjustable, and can be raised as a student progresses. Novel screen formats and unique presentation approach keep the student's interest level high. On-screen pushbuttons, sliders and window controls are adjustable in size, allowing for various student motor-skill levels.

SMI Corporation, PO Box 582221, Tulsa, OK 74158

### **Periodic Table**

Retail Price: \$25  
Phone: (918) 560-9536  
Available: March 1993

*The best Electronic Periodic Table available with an extensive on-line help system to complement the vast amount of data available in the program.*

Periodic Table is designed for use by individuals ranging from students of chemistry, industry professionals, and academic researchers as well as instructors of chemistry. Periodic Table provides comprehensive and detailed element information ranging from atomic number to thermal conductivity. It also provides information on over 890 isotopes of the 110 elements, including abundance, half-life and decay mode. It supports the use of the Windows clipboard and DDE to aid in using the information in presentations, school homework, and technical documents. Periodic Table also allows you to print much of its data to aid in using the information.

The Code Zone, PO Box 48116, Watauga, TX 76148

**The Code Zone Puzzle Pack/NT**

Retail Price: \$14.95

Contact: Shelly S. Hattan

Phone: (817) 577-0259

Available: January 1993

*Take a break from programming with this fine collection of 32-bit games, puzzles, and assorted diversions for Windows NT.*

The Code Zone Puzzle Pack/NT is a budget-priced collection of games and puzzles.

The 10+ games in the pack include. . . AWARI - An African variant of Backgammon. WORD GRID - Build as many words as you can before the time expires. MATCH UP - Stretch your memory skills. Levels for children & adults. POKER SQUARES - Try to build the best poker hands possible. MAZE RACE - Players race to solve an exceedingly complicated maze. CODE MASTER - Solve the code with computer-generated clues. Also included are backgrounds, screen savers, sounds, and more!

## Industrial Applications

Atlantic Information Mgt. Inc., 1031 Route 22 West, Suite 303, Bridgewater, NJ 08807

### **Order Enabling**

Contact: Ric Belkov  
Phone: (908) 218-9666  
Available: Second Quarter 1993

*A sophisticated, client server, order processing system designed to put product, customer, and order information at the finger tips of people involved with taking, processing and shipping complex orders.*

Order Enabling is a 32-bit Windows, client server set of applications designed to enable the direct entry of complex orders taken over the phone with a minimum of key strokes. The object-oriented nature of the system enables the order processing work flow by providing easy access and maintenance of customers (including their negotiated deals), products, orders and shipment information. Orders are assembled by selecting customers, deals, and products into an order. Handles customizing products and complex pricing. The system can be tailored to meet the unique needs of your organization.

BCR Computing Corporation, 8623 N. Wayne Road, Suite 300, Westland, MI 48185

### **BCRITL**

Retail Price: \$3,000  
Contact: Jim Curran  
Phone: (313) 261-3388  
Available: Fourth Quarter 1993

*State-of-art test stand device control enabler which automates machine motion, A/D, D/A conversion and high speed data acquisition along with database management and reporting functions for Windows NT.*

ITL (Interpretive Test language), a programming environment predominately used for active control and data acquisition from test stands via intelligent analog/digital cards, IEEE-488 (GPIB), PLCs and others. This interface can be used to create and modify sampling channels, sampling rate, parametric information or the overall test scheme. Realtime data acquisition review screens provide the operator immediate feedback of test data. Limit files can be established to create alarms for data falling outside of specifications. ITL also supports definition of automatic calibration routines.

BCR Computing Corporation, 8623 N. Wayne Road, Suite 300, Westland, MI 48185-1137

### **OSCAR**

Retail Price: \$2000/Layer  
Contact: Jack Carter  
Phone: (313) 261-3388  
Fax: (313) 522-5672  
Available: Fourth Quarter 1993

*Leading edge realtime work cell control and data acquisition for both discrete and process manufacturing environments utilizing Windows NT.*

OSCAR (Online System for Control Analysis and Reporting) is a layered work cell control, level 2 product consisting of supervisory control of machine tools, programmable logic controllers, robots and other intelligent devices. OSCAR provides the ability to easily create databases, menus, help subsystems and graphical process overview screens. OSCAR SPC layer contains full reporting and alarming mechanisms while OSCAR Maintenance and Alarming layer provides realtime predictive and preventive maintenance functions. The Production Scheduling layer implements networked MRP schedules.



BioScan, Incorporated, 170 West Dayton, Suite 204,,Edmonds, WA 98020

### **OPTIMAS**

Contact: Dennis Flanagan  
Phone: (206) 635-7226  
(800) 775-8000  
Fax: (206) 775-3640

*BioScan® OPTIMAS provides tools for image capture and enhancement, measurement, object counting, pattern recognition, data analysis, process control, image printing, and custom programming.*

Implemented in Microsoft Windows 3.0, OPTIMAS offers point-and-click simplicity, access to memory beyond the 640K barrier, and compatibility with standard software packages. Scientists and engineers worldwide are using OPTIMAS for cell counting and sorting, densitometry, fluorescence, labeling, morphological analysis, fiber inspection, grain sizing, electronics inspection, paleontology, electronic microscopy, chemical analysis, and more. Data analysis is simplified by automatic output to spreadsheets or data files. Images and data can be placed into word processors for reporting. For custom applications, OPTIMAS provides an interpreted development language, dynamic Windows and menus, and an API of over 200 high-level functions.

Cherry Hill Software, 217 Meetinghouse Square, Marlton, NJ 08053-9468

### **HiCom/i**

Retail Price: \$149  
Phone: (609) 983-1414  
Fax: (609) 983-4188  
Available: Second Quarter 1993

*Multiport serial driver along with compatible hardware allows Windows NT applications to simultaneously access over 50 RS-232 terminals or devices.*

HiCom/i for Windows NT provides the same level of performance and stability for Windows NT applications as it has for Windows 3.x applications. It maintains full compatibility with the Windows NT Communications API, acting as a communications resource service provider. It works with all Windows NT based applications that use the standard API and supports baud rates in excess of 19,200 bps per channel. HiCom/i provides maximum performance when serving multi-threaded applications that read and write serial port data in the background.

Cycle Software, Inc., 60 Kinnaird St., Cambridge, MA 02139

### **Cycle LiveData!**

Retail Price: \$3,995  
Contact: George Clemmer  
Phone: (617) 868-0494  
Fax: (617) 868-0993  
Available: June 1993

*Open networking tool for real-time data allows rapid deployment of flexible transparent, high-performance networks for monitoring, control, and coordination of real-time processes.*

Cycle LiveData! allows users to manage networked, real-time data from multiple sources and feed it directly into off-the-shelf Windows Applications. It uses the high-functionality ISO Manufacturing Message Specification (MMS) to create and manage a fully distributed, structured, symbolic real-time database. It supports remote configuration of devices and computers on the network, and remote control of programs and processes. Cycle LiveData! inter-operates with MMS/OSI interfaces from major manufacturing controller and computer vendors, including Allen-Bradley, GE Fanuc, AEG Modicon, Siemens, DEC, IBM, and HP.



East Point Software Corporation, 1001 Bridgeway, Suite 702, Sausalito, CA 94965

### **IPC-Xpert/32**

Retail Price: \$3,000 +  
Contact: Daniel LeCour  
Phone: (415) 331-1784  
(377) 4-IPC  
Fax: (415) 331-1876  
Available: Fourth Quarter 1993

*Transform your PC into a full-powered real time process control workstation with IPC-Xpert's comprehensive set of easy to use development, debugging and runtime tools.*

IPC-Xpert/32 delivers unprecedented power and ease of use to plant floor and laboratory research environments. The system includes an icon based graphical environment to design, document and implement process control applications and a multitasking, multithreaded real time kernel to execute them. Full integration with third party tools and applications is provided via Dynamic Data Exchange and DLL hooks. IPC-Xpert/32 has been optimized for the Microsoft Windows NT operating system.

Flexis Control Incorporated, 3120 Diablo Avenue, Hayward, CA 94545-2702

### **Flexis® for Windows**

Retail Price: \$1,695-\$4,995  
Contact: Jerry Grenier  
Phone: (510) 732-9800  
Fax: (510) 732-8760  
Available: February 1992

*Object-oriented, Computer Aided Control Engineering (CACE) software for your IBMPC or compatible. A complete PLC Systems Development environment - much more than a PLC programming tool.*

Running on Microsoft Windows 3.x, Flexis for Windows provides unique and powerful capabilities for modeling, programming, simulating, testing and documenting your factory automation systems control software. Now, control and process engineers can specify and design control programs for any factory process, parallel or sequential, synchronous or asynchronous, stage-by-stage, with top-down design. Flexis simplifies the process from conception, through start-up and for continuous on-line improvement over the life of the system. Current version available for Allen-Bradley PLC-5 family of programmable logic controllers. Other versions under development for release in 1993.

GEOTEST, Inc., 18242 W. McDermott St., Suite A, Irvine, CA 92714

### **ATEasy**

Retail Price: \$2,995  
Phone: (714) 263-2222  
(800) 886-1201  
Fax: (714) 263-1203  
Available: December 1992

*The Ultimate A.T.E. software development environment for programmers and non-programmers alike. Supports GPIB, RS-232, VXI and PC-Based instrumentation.*

ATEasy is an integrated ATE software development/management environment, it provides the ATE developer with tools to develop, verify, and execute test programs. The menu-driven structure provides hardware oriented personnel with protective, easy-to-use software development tools while allowing software experts to generate sophisticated applications. A menu-driven Instrument Driver Editor enable users to easily develop software drivers for ANY GPIB, VXI, RS-232 or PC-Based instrument. An extensive array of program and driver verification and debug tools is provided as well. Version 2.xx of ATEasy supports Windows NT and Windows 3.1.



Golden Coast Software, 4457 Northwest 113th Way, Coral Springs, FL 33065

**GCS-DOC9000**

Retail Price: \$8975  
Phone: (305) 753-1086  
Fax: (305) 424-0418  
Available: First Quarter 1993

*Documentation control system based on ISO 9000 Quality Management and Quality Assurance standards. GCS-DOC9000 system provides the foundation for building the documentation control system required to implement ISO 9000. The user defines the organization structure pertaining to the quality management system and lines of authority. Based on this information, the system guides users in generating Quality System Documentation in an organized structure in compliance with ISO 9000. The system controls the document state as it goes through review and approval process. The security is user definable. Off-the-shelf word processing/drawing packages can be used to write the documents. GCS-DOC9000 requires Microsoft Windows NT operating system.*

Heuristics Incorporated, 451 Old York Road, New Hope, PA18938

**ONSPEC Workplace**

Retail Price: \$10,000  
Contact: Chrissie Hastoglis  
Phone: (215) 862-0791  
Fax: (215) 862-0795  
Available: December 1992

*ONSPEC Workplace provides world-class manufacturing solutions for plant-floor control and monitoring thru MES applications.*

ONSPEC Workplace offers major network and database support to create the two-way communications that ensure total control and quality in the manufacturing environment. From real time control and monitoring applications in the factory, information is communicated to all levels of management. ONSPEC Workplace communicates with all major MRP packages.

Howell Training Group, 5201 Langfield Road, Houston, TX 77040-6694

**TRIM**

Retail Price: \$2,800  
Phone: (713) 460-4460  
(800) 527-1815  
Fax: (713) 460-0536  
Available: Third Quarter 1993

*A new Windows NT version of TRIM, our popular training records management software application, makes training documentation for regulatory compliance fast and easy.*

RIM uses a powerful relational database based on SQL ANSI 1.3 to gather, organize, manage and document training activities. Designed by professional trainers for clerical level personnel, TRIM's "chiseled" screens are so simple and intuitive to use that even a records management novice can begin right now to systematize large volumes of disorganized training records. TRIM was developed to help put you in compliance with OSHA and ISO 9000 training documentation requirements. TRIM also helps keep you there.

Howell Training Group, 5201 Langfield Road, , Houston, TX 77040-6694

### **InFORM**

Retail Price: \$12,000  
Phone: (713) 460-4460  
(800) 527-1815  
Fax: (713) 460-0536  
Available: Third Quarter 1993

*InFORM is an unrivaled application for companies striving to meet the process information requirements of OSHA's new Process Safety Management Rule, 1910.119.*

InFORM is an application developed by professional trainers to help deliver complex industrial information process information to operations personnel. More than a mere electronic job aid, the InFORM Environment applies proven instructional design principles to transfer process information into knowledge. The application incorporates a Microsoft multimedia viewer, an instructional authoring program, and proprietary programming to create a unique information delivery environment. InFORM presents reference material, trains operations personnel and tests for job competency.

Intec Controls Corp., 55 West Street, Walpole, MA 02081

### **PARAGON TNT**

Retail Price: \$2000 +  
Contact: Spencer Harvey  
Phone: (508) 660-1221  
Fax: (508) 660-2374  
Available: Fourth Quarter 1993

*A family of software tools for industrial automation which harnesses the powerful multitasking capabilities of Windows NT. Paragon TNT targets applications ranging from basic MMI to high-level supervisory control and information management.*

The Paragon TNT family includes three products: Paragon MMI (for man-machine interface), Paragon SCADA (for supervisory control and information management), and Paragon DC (for direct, PC-based control). Paragon TNT employs advanced client-server technology – an architecture which eliminates all constraints on application size and complexity and allows any 3rd party application which supports DDE to become part of the overall automation strategy. Paragon TNT utilizes a graphical configuration environment and an object-oriented display builder. The windowing operator interface supports both object- and pixel-based graphics, and can be integrated with most third-party multi-media tools.

Magic Motion, LTD, 2204 Garnet Ave., Suite 301, San Diego, CA 92109

### **Quanto Timekeeper/Gatekeeper**

Retail Price: \$9,000  
Phone: (619) 270-2048  
Fax: (619) 270-2391  
Available: Fourth Quarter 1993

*Time and attendance and access control automated system under Windows NT with real-time data acquisition using multiple recording terminals.*

Quanto Timekeeper / Gatekeeper monitors employee labor hours and controls access to restricted areas. Keeps track of personnel work time, tardiness, absences and overtime. It provides on-line processing and monitoring of multiple time recording terminals to provide immediate information. Quanto uses the latest automatic identification technology to register employee times and verify access privileges. Provides digitalization and manipulation of employee image for identification. Reduces the cost of printing mechanic cards for each working period and simplifies the tedious and error-prone manual calculation labor.



Motion Engineering, Inc., 520 E. Montecito St., Santa Barbara, CA 93103

**PC/DSP Motion Controller**

Retail Price: \$295  
Contact: Elaine Smith  
Phone: (805) 962-5409  
Fax: (805) 962-8001  
Available: December 1992

*DSP-based motion controller board can be programmed under Windows NT for high-precision control of servo and stepper motors.*

Motion Engineering now offers Windows NT compatible DLLs for its DSP-based motion controller for servo and stepper motors used in instruments and industrial machinery. Motion Engineering's DLLs for the Windows NT operating system and the WIN 32 API allow programmers to use C, C++ and Visual Basic code to program machine and motion control applications. The PC/DSP motion controller provides up to eight channels of 16 bit resolution analog outputs, 8 channels of 12 bit resolution analog inputs, 72 bits of TTL level digital I/O and 8 channels of up to 4.0 MHz step-and-direction outputs on one single-slot board.

National Instruments, 6504 Bridge Point Parkway, Austin, TX 78730-5039

**LabVIEW®**

Phone: (512) 794-0100  
(800) 433-3488  
Fax: (512) 794-8411  
Available: Second Quarter 1993

*General-purpose graphical programming environment with graphical user interface tools and extensive libraries for data acquisition, instrument control, data analysis, and data presentation.*

With LabVIEW for Windows NT, engineers and scientists build software modules called virtual instruments (VIs) instead of writing text-based programs. LabVIEW features a library of ready-to-use controls, graphs, and strip charts for quickly and easily building custom user interfaces and control panels. With LabVIEW, users build block diagrams as the executable programs in applications such as process monitoring and control, laboratory automation, and automated testing. The LabVIEW Data Acquisition VI Library controls the company's PC plug-in data acquisition, DSP, and signal conditioning hardware. LabVIEW also has libraries for controlling over 115 RS-232, GPIB, and VXI instruments.

NetSoft, 577 Congress St., Troy, NY 12180

**NetMan V1.0**

Contact: Michael Gile  
Phone: (518) 272-4905  
Fax: (518) 271-6036  
Available: November 1993

*Utilizes the power of hierarchical and modular Petri nets to do both top-down and bottom-up modeling, analysis, and control of manufacturing processes.*

Petri nets are a useful tool for the modeling, design and control of manufacturing processes. NetMan V1.0 is a graphical Petri net design tool for manufacturing applications. It allows the user to create a colored Petri net model of a target system. This model can then be used for analysis, detection of deadlocks and overflows, scheduling, and performance. It also allows user interaction through simulation.



RJ Lee Group, Inc., 350 Hochberg Road, Monroeville, PA 15146

**Zeppelin xP Series**

Retail Price: \$1,500/module  
Contact: Jack Mershon  
Phone: (412) 325-1776  
Fax: (412) 733-1799  
Available: March 1993

*Archiving and analysis package for images from Scanning Electron Microscopy.*

This is a suite of applications to archive, analyze, summarize, and report information based on images and associated x-ray data acquired from Scanning Electron microscopes and electron microprobes. These programs import data sets that are flexible in content and deal with geometric, chemical, and position information about individual features. These programs enable a microscopist to perform almost all analysis functions remotely, as opposed to using valuable microscope time.

Tessera, PO Box 11631, Eugene, OR97440

**Pictograph**

Retail Price: \$3850  
Phone: (503) 484-6602  
Fax: (503) 687-1173  
Available: July 1993

*Innovative graphical compiler and programming system provides a visual representation of complex calculations and procedures. Perfect for on line monitoring and supervisory control applications.*

Pictograph is a graphical programming environment for procedural programs. Programs are represented by diagrams in which function blocks are linked together to form a directed graph. The resulting programs are highly flexible, self-documenting, and easily understood by non-programmers. Pictograph interfaces to Microsoft Excel, SQL databases, data acquisition systems, and supports distributed processing through the RPC mechanism. Pictograph includes a diagram editor/debugger, compiler, block editor, and a large library of pre-made blocks. Additional blocks can be made in C, C++, FORTRAN, or Microsoft Visual Basic.

Testengeer, Inc., PO Box 557, 5500 S. Hwy. 35, Port Lavaca, TX 77979

**Dyna-Logic**

Retail Price: \$2,995  
Contact: Neal Joslyn  
Phone: (512) 552-7621  
(800) 541-2445  
Fax: (512) 552-6976  
Available: December 1992

*Provides real-time digital logic control through DDE I/O drivers using standard ladder logic format.*

Dyna-Logic is a software based PLC (Programmable Logic Controller) emulator which provides on-line editing of logic, user configurable network sizes, and interfaces to several popular PC-based control packages. This system provides individual configurations of column and row counts for each network and all configurable features can be dynamically modified. User interface is intuitive and provides on-line ladders debugging capabilities. Cross reference tables are used to relate ladder addresses to external DDE items using standard Application-Topic-Item naming conventions. User configurable/sizable function blocks are provided for maximum flexibility.

Xodex Inc., 20980 Cipres Way, Boca Raton, FL 33433

### **Xodex Data Collection System**

Retail Price: \$7990  
Contact: D.E. Frimmel  
Phone: (407) 852-0190  
Fax: (407) 852-7448  
Available: First Quarter 1993

A client/server implementation of Manufacturing Operations Management using Windows NT based workstations. Collects and analyzes information needed to manage a *discrete assembly process*.

The Xodex Data Collection System meets the needs of the medium to large discrete manufacturing enterprise, and facilitates Total Quality Management (TQM). Xodex produces a versatile information model of the shop floor, improving management's ability to measure and control costs, quality, and manufacturing cycle times. Users configure Xodex on-line, graphically defining objects which represent assembly, test, inventory, and audit processes. Interfaces are available for automated machines, programmable logic controllers, bar code and test equipment. Access to and from enterprise systems is provided through SQL access.

Xodex Inc., 20980 Cipres Way, Boca Raton, FL 33433

### **Xodex Control System**

Contact: D.E. Frimmel  
Phone: (407) 852-0190  
Fax: (407) 852-7448  
Available: Fourth Quarter 1993

*Distributed Control System (DCS) for hybrid batch, and continuous applications. Ideally suited for pilot plant and scale-up applications using the network, database, multi-tasking, and GUI of Windows NT.*

Xodex Control System brings the power of Windows NT to distributed control. Process engineers can graphically define objects which represent data acquisition points, signal conditioning, alarms, control blocks, discrete logic, and interface elements. Modeless operation allows the system to immediately execute according to the logic defined. Control operators benefit from the best user interface available. Headless (no CRT) process control modules operate remotely on the distributed ethernet network, inter-facing with smart I/O systems and PLCs.

Xodex Inc., 20980 Cipres Way, Boca Raton, FL 33433

### **Ex Librum Industrial Document Control**

Retail Price: Call  
Contact: D.E. Frimmel  
Phone: (407) 852-0190  
Fax: (407) 852-7448  
Available: Fourth Quarter 1993

*A specialized document control system designed for hierarchical industrial applications, such as ISO9001. Ideal for technical manuals, policies, procedures, and work instructions.*

Ex Librum uses the facilities in Windows NT and NTFS to computerize document control, approval, release, and distribution. A document librarian defines document classes and document requirements. Users access Ex Librum as they would a corporate document library, always obtaining the latest, auditable design information. Document authors, reviewers, and approvers are provided with work management screens and can electronically perform their function. Ex Librum works with any electronic or paper-based document library, and includes special integration with Microsoft Word and Mail systems.

Zontec, Inc., 1329 E. Kemper Rd., Cincinnati, OH 45246

**SPC Timesaver for Windows NT**

Retail Price: \$2,995

Contact: Warren T. Ha

Phone: (513) 671-0088

(800) 955-0088

Fax: (513) 671-0108

Available: April 1993

*Statistical Process Control Software for Windows NT.*

SPC TimeSaver for Windows NT is a statistical process control software program used for data acquisition, analysis, and charting. SPC TimeSaver's real-time program updates control charts as data is entered and alerts the user to out-of-control or out-of-specification conditions. Either variable or attribute data can be entered through direct gage input or a keyboard. Charts can also be customized to meet the needs of various applications and industries. In addition, SPC TimeSaver for Windows NT offers the additional flexibility of multiple charts & windows, and data and graphic exchange with AutoCAD, Microsoft Excel, and other software through OLE and DDE functions.

## Information Services

Adonis Corporation, 6742 185th Avenue N.E., Suite 150,,Redmond, WA 98052

### **Adonis**

Contact: Bill McEwen  
Phone: (206) 881-8251  
(800) 234-9497  
Fax: (206) 869-0252

*Adonis provides expert Microsoft Windows and Windows NT based application development on a contract basis.*

Adonis is skilled in literally every facet of Windows development. Our large engineering staff including former Microsoft systems developers, has expertise in graphical application development, multimedia, network and communication services, DDE, OLE, and device drivers. Adnis is especially strong at low level Windows interfaces, having created various printer, display, mouse, keyboard, and multimedia device drivers as well as a number of virtual device drivers (VXD's). Previous clients include Microsoft, IBM, Rockwell, Timeworks, Asymetrix, Central Point Software, Fifth Generation Systems, Genicom, and 3D Visions.

Equitrac Corporation, 836 Ponce De Leon, Coral Gables, FL 33134

### **System-4**

Retail Price: Call  
Phone: (305) 442-2060  
(800) 327-0183  
Fax: (305) 442-0687  
Available: October 1993

*The Equitrac System 3 Automated Cost Recovery System.*

Finally, a technology with the sole purpose of controlling access to your equipment and reporting on its usage, thereby helping you recover the cost. The Equitrac System 3 is a multi-tasking, microprocessor-based distributed control system which is the hub of the centralized data collection system. Up to 500 Equitrac control terminals can be networked to control and monitor your office equipment, including photocopiers, fax machines, postage equipment, word processing terminals and laser printers. In addition, the System 3 can communicate directly with your PABX telephone switch to collect and report on telephone charges.

Horizons Technology, Inc., 3990 Ruffin Road, San Diego, CA 92123

### **SURE!Maps**

Retail Price: \$349  
Contact: Cynthia Mordaunt  
Phone: (619) 292-8331  
(800) 828-3808  
Available: April 1993

*SURE!Maps allows user to create, export and print raster maps with symbol overlays and to build a custom data set.*

SURE!Maps is a CD-ROM product which allows seamless scrolling from map to map. An overlay can be placed on raster maps using 36 standard symbols or user-defined symbols. Up to 12 attributes can be assigned to each symbol. Users can sort by symbol or attribute creating their own database. Initial CD includes software; 10 MSA maps (USGS); SPOT imagery; zip code and area code data sets. Additional standard and custom map data sets are available.



Hunter International, Inc., 27350 SW 95th Ave., Suite 3044, Wilsonville, OR 97070

### **LaserArc**

Retail Price: \$15,700-\$25,000  
Phone: (503) 682-0550  
Fax: (503) 682-1121  
Available: January 1993

*LaserArc is a complete, cost effective solution for the permanent storage and retrieval of all computer generated report data.*

The LaserArc system uses powerful software and optical laser technology to automatically download, compress and store your computer data. Commonly know as a COLD (Computer Output to Laser Disks) System, LaserArc gives you immediate access to your data with its sophisticated search and indexing capabilities. Data can be displayed and printed together with forms overlays to exactly reproduce the original report. LaserArc reduces costs by eliminating the need for paper storage and microfiche. It is available as a Microsoft Windows, DOS, and UNIX application.

Integrated Systems International, 1821 Walden Office Square, Suite 400, Schaumburg, IL 60173

### **Consulting Services**

Contact: Steve Morse  
Phone: (708) 397-9999  
(800) 447-4705  
Fax: (708) 397-9988  
Available: Now

*Integrated Systems International's services bring your applications based on Windows NT to fruition.*

Integrated Systems International provides computer consulting and system integration services. These services encompass the complete life cycle of system implementation. Integrated Systems International's expertise delivers application solutions based on Win32 and the Microsoft Windows NT operating system. Integrated Systems International also assists in the integration of Windows NT in client server environments. Whether developing a new application or porting an existing one, Integrated Systems International can assist you or provide the complete solution.

Royal Road, Incorporated, 1880 Camino Estrada, Concord, CA 94521

### **MIZAR-93**

Contact: Peter Zoll  
Phone: (510) 672-8645  
Available: Second Quarter 1993

*Natural Resource Revenue Administration System for Producers and Government Agencies.*

System captures refinery, well/mine operator, transporter, and storage depot data using easily modifiable forms or EDI access. Captures late and/or amended filings. Generates reports of unauthorized activity, volume tolerance variations, oil proration schedules, shut-in and reclassification notices, over/under volumes, delinquent test notices and much more.

Telemet America, Inc., 325 First Street, Alexandria, VA 22314

**Telemet Discover/NT**

Retail Price: \$309  
Contact: Jim Roberts  
Phone: (703) 548-2042  
(800) 368-2078  
Available: June 1993

*A sophisticated market quote and Dow Jones news system that gives instant stock, bond, fund, option, index and futures quotes and Dow Jones business news. Delivered by private line or satellite.*

Telemet Discover/NT uses Telemet's database of real-time market data to provide professional level investors with quotes on all the markets and with Dow Jones business news. All windows update continuously and instantly. Users get 99 Market Watch pages, time and sale data, price and volume alerts, real-time and historical charts, dividend, yield, P/Es and yearly high/low figures. Users see scrolling Dow Jones business news. Users can search and recall news for up to 90 days. Key word, industry, subject searches and a variety of alerts are available.

## Mathematical Analysis/Statistics

StatSoft, Inc., 2325 East 13th Street, Tulsa, OK 74104

### **STATISTICA for Windows NT**

Retail Price: \$995  
Contact: Thomas Peterson  
Phone: (918) 583-4149  
Fax: (918) 538-4376  
Available: First Quarter 1993

*A comprehensive statistical data analysis and graphics system offering the largest selection of advanced statistical procedures, graphics, and analytic data base management facilities in one package.*

A comprehensive statistical data analysis and graphics system; the largest selection of advanced statistical procedures (for science, business, and engineering), graphics, and analytic data base management facilities in one package; complete Windows NT support: MDI-standard user-interface, multitasking, DDE, OLE, API, 3D-TT-fonts, multiple toolbars, right-mouse button support; unlimited size of files; thousands of graphs integrated with all procedures (incl. a large selection of interactively rotatable 3D graphs and multigraphs with interactive cross sections); extensive drawing and multi-graphics management facilities; fully compatible with STATISTICA/w (for Windows 3.1).

StatSoft, Inc., 2325 East 13th Street, Tulsa, OK 74104

### **Quick STATISTICA for Windows NT**

Retail Price: \$495  
Contact: Thomas Peterson  
Phone: (918) 583-4149  
Fax: (918) 538-4376  
Available: First Quarter 1993

*A comprehensive statistical data analysis and graphics system offering a large selection of statistical procedures, graphics, and analytic data base management facilities integrated in one package.*

A subset of "STATISTICA for Windows NT" (see above); a comprehensive selection of basic statistics (for science, business, and engineering), all graphics capabilities of "STATISTICA for Windows NT", and analytic data base management facilities; complete Windows NT support: MDI-standard user-interface, multitasking, DDE, OLE, API, 3D-TT-fonts, multiple toolbars, right-mouse button support; unlimited size of files; hundreds of graphs integrated with all procedures (incl. a large selection of interactively rotatable 3D graphs and multigraphs with interactive cross sections); extensive drawing and multi-graphics management facilities; fully compatible with "Quick STATISTICA/w" (for Windows 3.1).

Straylight Software, PO Box 20042, Oakland, CA 94620-0042

### **Straylight Razor**

Retail Price: \$149  
Phone: (510) 444-8939  
Available: December 1992

*Straightforward statistical analysis and plotting application that integrates the power of the Windows user interface with the 32-bit speed of Windows NT for data analysis and visualization.*

Straylight's Razor offers essential statistical analysis functions with an easy-to-use spreadsheet user interface. It imports data from spreadsheet data files and from ASCII text files. Razor features a separate, customizable window for summary statistics. Numerical analyses include ANOVA, multiple regression, Student's t-test, and the X2 test. Plotting features precise scale calculation, logarithmic scales, savable plot styles, and presentation quality output for scatter plots, histograms, whisker plots, and probability plots. Razor automatically recalculates plot, analysis, summary windows when the source data changes.





## Multimedia Authoring Tools

Aimtech Corporation, 20 Trafalgar Square, Nashua, NH 03063

### **IconAuthor**

Phone: (603) 883-0220  
(800) 289-2884  
Fax: (603) 883-5582

IconAuthor® is the award-winning, comprehensive multimedia authoring software *tool non-programmers choose to create highly sophisticated interactive multimedia applications.*

IconAuthor's powerful, intuitive "visual programming" environment is unrivaled for building applications that combine text, graphics, animation, audio, and full-motion video.

Non-technical experts can easily and quickly create applications for computer-based training, simulations, self-service kiosks, performance support systems, and business presentation. IconAuthor comes with built-in editors, database, unlimited user-defined variables, and provides full support for both analog and digital full-motion video. As applications are developed, they can be run, tested, and edited in real time.

The only full-featured authoring tool for both the Windows and UNIX® environments, IconAuthor will also soon be available for the Windows NT operating system.

DigiVox Corporation, 991 Commercial St., Palo Alto, CA 94303

### **Sound Impression/NT**

Retail Price: \$795  
Contact: Greg Kelly  
Phone: (415) 494-6200  
(800) 344-4869  
Fax: (415) 494-2351  
Available: January 1993

*16-track Desktop Recording Studio for Windows NT allows up to 6.5 hours of recording on all MPC compatible sound cards. Includes Wave Recorder/Mixer, MIDI Player, CD Player and Sound Librarian.*

Sound Impression/NT provides true professional level recording, editing and mixing capabilities for the broadcast and music professional. Record Retail up to 6.5 hours at sample rates of up to 50Khz stereo. Effects include Echo, Pan, Crossfade, Chorus and Flange. Modify Wave files by using Time/Pitch Compression-Decompression, Gain, Parametric EQ, REverse, Add/Subtract, Merge/Split and more. Mix up to 16 tracks together using the Compose feature regardless of the data format. Use the Sound Librarian for cataloging file details such as record/edit dates, file format, language, artist, etc. Sound Impression is optimized to take advantage of all features that high-end MPC sound cards may offer such as Dolby, CDI and DVI formats.

Hauppauge Computer Works, 91 Cabot Court, Hauppauge, NY 11788

### **Win/TV**

Retail Price: \$495  
Phone: (516) 434-1600  
(800) 443-6284  
Fax: (516) 434-3198  
Available: December 1992

*Develop 32-bit Full Motion Video Applications with Win/TV.*

Develop 32-bit applications that include full motion video. Create resizable, movable TV windows.

Functions include: change television channel, switch video source (camcorder, VCR and laser disk players supported), change color/contrast/brightness, scale image, zoom image, freeze image, save the image to disk in PCX, TIF, BMP, TGA and GIF formats. Create windows overlays to annotate the video image.

Applications include multimedia kiosks, stock brokerage, medical imaging, desktop publishing, security,

visual databases, etc. Uses the Hauppauge Win/TV board.

Horizons Technology, Inc., 3990 Ruffin Road, San Diego, CA 92123

**OPEN! Info Manager**

Retail Price: Call  
Contact: Cynthia Mordaunt  
Phone: (619) 292-8331  
Available: January 1993

*As a complete set of tools for application development, file control and presentation, OPEN!Info Manager provides the ability to create a dynamic, all-encompassing multimedia environment for virtually any organization.*

OPEN!Info Manager is a powerful development environment built on the DVI platform. This software provides an intuitive graphical user interface in which different data files and the links between them are represented as icons. By defining, graphing and linking these icons, users can apply visual programming techniques to data acquisition, database design and interface design. OPEN!Info Manager is a complete set of tools for multi-media applications of all types including Kiosk environments.

INTELSOFT Engineering, PO Box 95901, Atlanta, GA 30347-0901

**T.E.I.S.**

Retail Price: \$7,500  
Contact: Angela Pimentel  
Phone: (404) 498-4204  
Available: Fourth Quarter 1993

*Telematic Executive Information System. System tool for the real time presentation of true photographic images via phone lines.*

Synergistic suite of couple system tools featuring the presentation of true real photographic images, NAPLPS frames, MIDI, and Fax, across plain tele-communication lines. Its implementation as a Multi Media hosts system is highly complemented by a fast Online DBMS. Perfect as an online electronic shopping service, telesophy, and low cost Medical Imaging system. Optimized for the Windows NT system and the WIN32 API.

LeadingWay Technology, Inc., 15375 Barranca Pkwy., Suite A-207, Irvine, CA 92718

**QuickAuthor**

Retail Price: \$700  
Phone: (714) 453-1112  
Fax: (714) 453-8115  
Available: November 1992

*QuickAuthor represents a new generation authoring system for developing computer-based training (CBT) and multimedia applications. It provides up to 90% reduction of development time over traditional approaches.*

QuickAuthor provides effective, interactive instruction to students; allows you to create high quality courseware faster than other authoring approaches; simplifies the structural analysis of your subject matter content; and provides flexible instructional strategies that you can tailor to better fit the instructional needs of your audience, instructional setting, and subject matter content. Its built-in instructional design, flexible instructional strategies, and easy-to-use graphical user interface provide a more intuitive and efficient CBT development environment than previously available to CBT developers. QuickAuthor for Windows NT is optimized to provide CBT on a networked environment.

Lenel Systems International Inc., 19 Tobey Village Office Park, Pittsford, NY 14534-1763

### **MediaDeveloper For NT**

Retail Price: \$595  
Phone: (716) 248-9720  
Fax: (716) 248-9185  
Available: March 1993

*Easily integrate multimedia elements into new or existing Windows NT applications with any development environment that supports calls to Dynamic Link Libraries (DLL).*

MediaDeveloper for NT is a powerful development tool to integrate multimedia into new or existing Windows NT based applications. It includes all management functions for working with video, audio, animation, graphic and document elements. Integrated MCI engine controls multimedia peripherals including CD-ROM drives, video decks and laser disc players. Supports a wide variety of animation, audio, video, graphic and document formats including digital video. A comprehensive database manages the multimedia elements used in applications. Multimedia elements used can be changed, updated or shared in Windows NT based applications without changing the source code.

Looking Glass Software, Inc., 11222 La Cienega Blvd., Suite 459, Inglewod, CA, 90304

### **Cheetah 3D**

Retail Price: \$349.95  
Contact: Sam Covington  
Phone: (310) 348-8240  
Fax: (310) 348-9786  
Available: Second Quarter 1993

*Looking Glass Cheetah 3D is the best 3D Modeling and Rendering Package for Windows NT. Cheetah 3D delivers the 3 P's, Power, Performance, and Productivity.*

Cheetah 3D is a three dimensional graphics modeling and rendering software package for Windows NT. Cheetah 3D produces full 24 bit color images, and screen resolutions up to 2136 x 1600 pixels. In addition to the main package, Cheetah 3D comes with a low end Animation Program. The quick Modeler is embedded in the program, an external Modeler is supplied for more control over the model development process. Objects in a scene may be rendered differently, one object may be a shiny phong shade, while another may have a matte constant shade. Objects may be given textures for more realism. Great for Multimedia, Training, Education, and more.

Ravi Technologies, Inc., 3080 Olcott Street, Suite 220C, Santa Clara, CA 95054

### **MediaDB**

Retail Price: \$2,500  
Contact: Chetan Saiya  
Phone: (408) 748-7400  
Fax: (408) 748-7402  
Available: March 1993

*Complete Multimedia database application development environment, including C++ API, Schema Designer, and code generator.*

MediaDB is a multimedia database management system, a powerful tool for managing information in the form of images, sound, graphics and AVI video, as well as text and numbers. MediaDB is an object oriented database with a client-server architecture. The MediaDB Application Development Kit (ADK) includes an interactive Schema Designer, a code generator, an extensive C++ API, and several utilities for database administration and security. MediaDB runs under Microsoft Windows 3.1, Windows NT, Novell Netware, and UNIX operating system.



Spinnaker Software, 201 Broadway, Cambridge, MA 02139

### **Spinnaker PLUS**

Retail Price: \$495  
Contact: Jeff Boehm  
Phone: (617) 494-1200 x555  
(800) 323-8088 x555  
Fax: (617) 494-0173  
Available: Now

*Object oriented hypermedia development tool allowing end users or developers to create custom applications that run unmodified across Macintoshes and Windows.*

Powerful object oriented environment allows creation of graphical applications including EIS Systems, multimedia interactive training programs and graphical front-ends to complex databases. Create paint, draw, word processing and database objects with "point and click" ease. Transfer HyperCard applications to PC. Open architecture allows creation of new objects that fully integrate into PLUS development environment. Unlimited programming flexibility.

The Blue Ribbon SoundWorks, PO Box 8689, North Highland Station, Atlanta, GA 30306

### **SuperJAM!**

Retail Price: \$149  
Phone: (404) 377-1514  
Fax: (404) 377-2277  
Available: March 1993

*An automatic composition system, SuperJAM! creates multi-media soundtracks with the click of a mouse.*

Use SuperJAM! to create royalty free music without copyright hassles. By emulating a band of professional musicians trained in a multitude of musical styles, SuperJAM! quickly creates original compositions with minimum effort. SuperJAM! builds song sections interactively in real-time, then saves the performance to disk as a MIDI file. SuperJAM! MIDI files can then be played by any program that utilizes the Windows NT multi-media extensions. SuperJAM! also includes a sophisticated style editor for creating new styles.

Thomas Munroe, Inc., 101 Rogers St., Cambridge, MA 02142

### **Multimedia Composer & Video Composer**

Contact: Nad Goodhue  
Phone: (617) 252-6800  
Fax: (617) 494-1056  
Available: Second Quarter 1993

*Multimedia Composer and Video Composer are an authoring system that supports traditional multimedia objects (sound, text, graphics) as well as innovative full-screen digital video.*

Multimedia Composer is an authoring tool that supports sound, animation, text and graphics in industry-standard formats as well as Video Composer digital video files. Video Composer digital video allows full-screen digital video at 18 to 30 frames per second. The output of Multimedia Composer (including video) can run in VGA 13hex to 800 X 600 (24-bit color) and in many modes in between. Multimedia Composer can produce either object-oriented code with economy of disc space but slowness in playback or fully compiled code with video-quality playback (both speed and detail) if disc space is not a limitation.

## Network Management

American Computer & Electronics Corp., 209 Perry Pkwy., Gaithersburg, MD 20877

### **Integrated Communications Management System**

Retail Price: Call  
Contact: Bob Natale  
Phone: (301) 258-9850  
Fax: (301) 921-0434  
Available: Second Quarter 1993

*Integrated suite of field-proven management applications for local and distributed voice and data networks. Individual applications can be purchased and installed in a modular fashion as needs evolve over time.*

The Integrated Communications Management System (ICMS) provides network operations personnel with a comprehensive set of field-proven applications for fault, configuration, accounting, performance, and security management tasks. ICMS manages telephony (i.e., PBX) and/or data networks, both local and/or distributed (i.e., wide-area). In addition to the extensive "back-office" functions of the applications themselves, ICMS taps the power of client/server architecture, with Microsoft Windows NT and/or UNIX servers and Microsoft Windows 3.x, NT, and/or UNIX clients. ICMS uses a single-entry database (ORACLE) and WinSock TCP/IP and offers an Integrated Voice Processing option for all applications.

Bob Branchek Associates, 31 Berrien Avenue, Princeton Junction, NJ 08550

### **On-line Windows NT Administration Guide**

Retail Price: \$29.95  
Contact: Cathy Branchek  
Phone: (609) 275-3989  
Available: May 1993

*On-line Windows NT Administration Guide.*

The administration of a Windows NT system involves the understanding of concepts known to administrators of mainframe and minicomputer systems but unknown to those coming from PC systems. This on-line guide uses the Windows NT Help tool to present information beyond that provided in the Windows NT documentation. Information provided is for both the beginning and advanced system administrator. Topics include: Overview Of Windows NT Administration, Controlling CPU Use, Managing RAM Allocation, Choosing Disk & File Structures, Managing User Accounts, Establishing & Maintaining Security, Interpreting Performance Monitor Charts & Reports, Interpreting Event Logs, Managing a NT Network, and Tuning The System.

C2S2, Incorporated, 12 Greenway Plaza, Suite 1100, Houston, TX 77046

### **AWARENET**

Retail Price: Call  
Phone: (713) 685-1800  
Available: December 1993

Area Wide Architecture REview of NETwork components in the Windows NT environment.



CyberMedia, 4340 Stevens Creek Blvd, Suite 150, San Jose, CA 95129

### **Workgroup Manager**

Retail Price: Call  
Contact: Sri Chari  
Phone: (408) 247-2732  
Fax: (408) 247-7925

*Delivers complete management of all elements of your workgroup: software, hardware and networking. Complements Microsoft's Network Management and software distribution product.*

The Workgroup Manager provides powerful integrated management of your workgroup. It keeps a complete inventory of all the software, hardware and networking elements. It works with SNMP, DMTF, Netware, Lan Manager, Windows for Workgroups, and Network Management and software distribution (future). A highly graphical map-based point-and-click interface simplifies user interaction. Alerts are generated when (1) an inventory change is detected, (2) faults and conflicts detected in the networking and hardware resources and (3) pre-specified workgroup performance thresholds are exceeded. Alerts come with "smart" help, which guides you step by step in resolving the problem situation. Using Network Management and software distribution, it solves the software distribution problem, and provides software metering. This is network and systems management "for the rest of us". Workgroup Manager runs on both Windows NT and Windows 3.x..

David Systems, 701 E. Evelyn Ave., Sunnyvale, CA 94086

### **ExpressView**

Phone: (408) 720-8000  
Fax: (408) 720-1337  
Available: First Quarter 1993

*ExpressView 1.1 is a network management software package running under Windows 3.0 or 3.1.*

It uses in-band SNMP (Simple Network Management Protocol) signaling throughout the network to communicate with ExpressNet Hubs and Intelligent Concentrators and other devices supporting MIB I and MIB II with third party enterprise extensions. Specific device types supported in ExpressView include Concentrator, Hub, Bridge, Router, Host and a Generic network element. Requires a 386DX or 486 platform running at 25MHz with 4 Mbytes memory, VGA display and 20 Mbytes of available hard disk space.

Distinct Corporation, 14395 Saratoga Avenue, Saratoga, CA 95070

### **Distinct TCP/IP for Windows**

Retail Price: \$495  
Phone: (408) 741-0781  
Fax: (408) 741-0795

*Distinct TCP/IP - Software Development Kit extends the TCP/IP, RPC and NFS networking capabilities to window programmers.*

Distinct TCP/IP for Windows version 2.2 Software Development Kit extends the TCP/IP, RPC and NFS networking capabilities to Windows programmers. The kit provides six Applications Programming Interfaces (APIs): Berkeley Sockets with WinSockAPI, TCP/IP Kernel, RPC/XDR, Telnet, FTP and Network windows. Implemented as 100% DLL, they are the smallest and fastest TCP/IP dynamic link libraries available today requiring only 5KB of DOS memory. Included in the development kit are also two Windows-based applications: Network Monitor and the Network Configuration utility. Distinct TCP/IP may coexist on the same board with Novell NetWare, LAN Manager and Banyan Vines. It works with Ethernet or Token Ring adapters supporting NDIS, Packet or ODI drivers.

Horizons Technology, Inc., 3990 Ruffin Road, San Diego, CA 92123

**LAN Auditor V2.1**

Retail Price: Call  
Contact: Phil Morettini  
Phone: (619) 292-8320  
Available: April 1992

*LAN Auditor automatically inventories hardware and software resources on PC local area networks.*

It features a dual MS-DOS® and Windows interface, requires no TSR and is transparent to the users on the LAN. Hardware platforms: Intel-compatible, MIPS, RISC.

MAGEE Enterprises Inc., POBox 1587, Norcross, GA 30091

**Network H.Q.**

Retail Price: \$395-\$595  
Contact: Pat Parker  
Phone: (404) 446-6611  
(800) 662-4330  
Fax: (404) 386-0719

*Fast, accurate inventory for networked PCs and Macs.*

Network H.Q. provides accurate, detailed hardware and software inventory information for PC workstations connected via Novell NetWare, Microsoft LAN Manager, Banyan VINES, and most NetBIOS networks. It automatically surveys each workstation at login and catalogs vital configuration information. Records are kept in a flexible "flat-file" ASCII database with import capabilities in to dBase and popular spreadsheet formats for controlled reporting. Network H.Q. automatically warns of individual configuration changes, or violations of preset performance thresholds. It also tracks Macintosh machines connected to the LAN. Supports MS-DOS and Windows. A must-have resource management tool for administrators of small, medium and large networks.

Microcom Client Server Technologies Group, One Executive Blvd. #4, Yonkers, NY 10701

**LANlord®**

Contact: Emerick Woods  
Phone: (914) 968-2300  
Fax: (914) 968-7100  
Available: October 1993

*Centralized, realtime management of hardware, software and configuration data, for DOS, Windows NT and OS/2-based PCs running on LAN Manager and NetWare local area networks.*

LANlord LAN management software utilizes Windows NT technology to integrate realtime management applications including automatic PC hardware and software inventory, configuration management, LAN and remote PC monitoring, software metering, virus detection and repair, and data export and reporting, under a common Windows graphical user interface. Utilizing an SNMP-based agent which resides on client PCs, LANlord transmits status and alert information to a central management console. Its 32-bit capabilities assist LAN managers in maximizing the productivity of users of Windows NT.

Peri Technologies, Inc., One Energy Center, Suite 150, Naperville, IL 60563-8464

**StreetSmart**

Retail Price: \$3,000 - \$8,000  
Contact: Mohnish Pabrai  
Phone: (708) 717-6008  
(800) 676-7374  
Fax: (708) 717-0909  
Available: Fourth Quarter 1993

*The StreetSmart product line is a comprehensive set of flexible graphical applications designed to simplify the end-to-end management of Client/server installations. The applications are designed to manage a true multi-vendor environment.*

Too Much Data Too Little INFORMATION! This is reality with most System or Network Management products. Not StreetSmart. The StreetSmart product includes applications such as StatuScope, PerfScope and TrendScope. StatuScope provides a network map showing the health of all system and network elements. PerfScope provides real-time information in a very flexible and user customized manner. PerfScope is invaluable in isolating performance bottlenecks and quickly resolving them. TrendScope is a historical trend analysis application that provides invaluable information on future system behavior and upgrade issues. StreetSmart supports a true multivendor environment, including WINDOWS NT, Sun Sparc, Data General and NeXT platforms.

VisiSoft, 430 10th Street N.W., Suite S008, Atlanta, GA 30318

**VisiNet NT**

Retail Price: \$1995  
Contact: Albert J. McCabe  
Phone: (404) 874-0428  
(800) VISINET  
Fax: (404) 874-6412  
Available: First Quarter 1993

*VisiNet NT is a graphical network management application that is hardware and software independent.*

VisiNet NT is a graphical network management application that manages LAN Manager, LAN Server, NetWare, Banyan, NetBIOS, Windows for Workgroups LAN's and SNMP devices. Features include world maps, unlimited hierarchical views, a DXF utility that converts your floor plans to background maps, automatic node discovery, hardware and software inventory, user-definable alarms and DDE and OLE support. Additional features are a historical Data Log and Trouble Ticket Reporting System.

## Server Applications

### Database

Ace Software Corporation, 1740 Technology Dr., Suite 680, San Jose, CA 95110

#### **AceFile 2.0 for Windows**

Retail Price: MSRP \$199  
Phone: (408) 451-0100  
Fax: (408) 437-1018  
Available: June 1993

*AceFile for Windows the award winning data manager optimized for Windows NT.*

AceFile for Windows is an award winning dBASE compatible personal database manager with relational power and flat file simplicity. AceFile goes beyond the traditional database forms and reports. The built-in Crosstab and graphics capability allows you to analyze your data and then chart it using stunning graphs. You can produce DTP quality reports, letters and labels using various colors, fonts and images. The 32-bit version of AceFile is optimized for Windows NT and takes advantage of its multitasking capabilities. AceFile includes business templates and is network ready without any setup. Leverage AceFiles's power of simplicity to solve complex day-to-day information management problems.

Arbor Software Corporation, 3211 Scott Blvd., Santa Clara, CA 95054

#### **eSSbase Application Server**

Retail Price: Call  
Contact: Amy Bauer  
Phone: (408) 727-7166  
(800) 868-1666  
Fax: (408) 727-7140  
Available: First Quarter 1993

*The eSSbase Application Server is a powerful facility which expands the capabilities of your standard spreadsheet to address complex, real-world applications in a work group environment.*

The eSSbase Application Server is a software product with expanded facilities for managing and processing spreadsheet data. From your workstation and spreadsheets, you can load data into the database and develop reports using different views of the data. eSSbase lets you actively manage the relationships between multiple dimensions of spreadsheet data, facilitating a whole picture summary view, while encouraging active requests for subsequent layers of detail. Founded in 1991, Arbor Software Corporation's mission is to provide products that enable businesses to more effectively process, consolidate, and analyze their financial planning and operating data.

Canaan Analytics, Inc., PO Box 111, New Castle, DE 19720-0111

#### **Canaan Query**

Retail Price: \$99.95  
Contact: Annette R. Keating  
Phone: (302) 984-2237  
Fax: (302) 984-2923  
Available: December 1992

*High performance, multi-threaded program optimized for Windows NT and designed for just one purpose - database query.*

Canaan Query is a 32-bit program for Windows NT which allows the user to query and display data contained in a SQL Server database. It is a high performance, ad hoc, query and reporting tool which is optimized just for querying SQL Server. This program provides clipboard support (the user can extract data and place it in the clipboard) where it can be subsequently pasted into a spreadsheet, word processor or other program documents. Canaan Query has a macro language, which enables the user to automate

repetitive query tasks. The dynamic data monitor updates the display at user-specified intervals (specified in seconds).

Cincom Systems, Incorporated, 2300 Montana Avenue, Cincinnati, OH 45211

### **SUPRA**

Contact: SUPRA Sales  
Phone: (513) 662-2300  
(800) 543-3010  
Fax: (513) 481-8332  
Available: 1993

*The Open Database Server for the New Class of Applications.*

SUPRA is the relational database management system for the organization that plans to incorporate workgroup personal computers, departmental and midrange machines, and existing corporate mainframes. Particularly effective in high-volume Client/Server and cooperative environments, SUPRA is ideal for those seeking a more cost-effective growth plan than through expensive mainframe options. As the only relational DBMS available for Microsoft NT that originated in demanding high-end world of the mainframe, SUPRA is well-suited for the rigors of development and high volume processing environments.

FairCom Corporation, 4006 W. Broadway, Columbia, MO 65203

### **FairCom r-tree**

Retail Price: Call  
Phone: (314) 445-6833  
(800) 234-8180  
Fax: (314) 445-9698  
Available: First Quarter 1993

*Professional report generation product, released in full ANSI prototyped C source code permitting production of complex relational reports from c-tree Plus data files.*

r-tree allows you to quickly generate reports for your end users by adding only one function call to your C program and generating a simple text file depicting the report layout. Features include joins for multiple data files, select expressions, accumulators, nested control breaks, automatic report headers and footers, automatic page headers and footers, automatic control headers and footers and provision for adding your own functionality.

FairCom Corporation, 4006 W. Broadway, Columbia, MO 65203

### **FairCom c-tree Plus**

Retail Price: \$595  
Phone: (314) 445-6833  
(800) 234-8180  
Fax: (314) 445-9698  
Available: First Quarter 1993

*Library of data management functions for use in developing sophisticated, flexible, and dependable applications involving any kind of data management.*

c-tree Plus includes full ANSI prototyped C source code and operates in single user mode (offering full I/O caching) and multi-user non-server mode (offering full record locking). To change between modes simply link with a different library. Features include: fixed and variable length records and indexes, single user transaction processing, dynamic space reclamation, batch operations, set operations, resource records, superfiles, NO royalties and free technical support.

FairCom Corporation, 4006 W. Broadway, Columbia, MO 65203

### **FairCom Server NT**

Retail Price: Call  
Phone: (314) 445-6833  
(800) 234-8180  
Fax: (314) 445-9698  
Available: First Quarter 1993

*Industrial strength, multi-threaded, transaction processing database server with full commit and rollback capability.*

All FairCom Servers are multi-threaded, high speed transaction processing servers providing exceptional performance and complete data integrity. The transaction processing logic offers full rollback, rollforward, commit, save and restore points. FairCom has gone to great lengths to reduce network I/O by using sophisticated compression algorithms and grouping several transactions together into the same message block when possible.

FairCom Corporation, 4006 W. Broadway, Columbia, MO 65203

### **FairCom SQL Server NT**

Retail Price: Call  
Phone: (314) 445-6833  
(800) 234-8180  
Fax: (314) 445-9698  
Available: First Quarter 1993

*Industrial strength, multi-threaded, transaction processing database server with a complete 1986 LEVEL 2 ANSI SQL engine.*

All FairCom Servers are multi-threaded, high speed transaction processing servers providing exceptional performance and complete data integrity. The FairCom SQL Server NT offers access to your data through the c-tree Plus API calls, interactive SQL queries and embedded SQL calls. FairCom has gone to great lengths to reduce network I/O by using sophisticated compression algorithms and grouping several transactions together into the same message block when possible.

Gupta, 1060 Marsh Road, Menlo Park, CA 94025

### **SQLBase**

Retail Price: \$995-\$9,995  
(800) 876-3267  
Fax: (415) 321-5471  
Available: Fourth Quarter 1993

*The only database server designed from the ground up to optimize graphical client-server applications on PC networks.*

SQLBase provides scalable performance on all popular LAN server environments (Windows NT, MS-DOS, OS/2, UNIX and NetWare), enterprise-wide compatibility and connectivity, optimization for graphical environments, and simple operation and maintenance. It's the ideal workgroup database server for graphical applications. With a Gupta SQLGateway or SQLRouter, your SQLBase applications can seamlessly connect to other SQL DBMS (DB2, ORACLE, SQL Server, AS/400, OS/2 Database Manager, HP ALLBASE/SQL, HP TurboIMAGE, etc.).

INGRES, 1080 Marina Village Parkway, Alameda, CA 94501

**INGRES Intelligent Database for Windows NT**

Phone: (510) 769-1400  
(800) 4-INGRES

*Ingres brings the industry leading relational database technology to Microsoft Windows NT for powerful, client-server computing systems on the desktop.*

The INGRES Intelligent Database allows businesses to model their operations in the database by managing data and knowledge. (business policies and procedures). The INGRES Intelligent Database includes powerful features to increase programmer productivity and improve overall performance including the Intelligent Query Optimizer, Rule System, Resource Controls, and Database Event Alerters. INGRES supports on-line transaction processing applications, decision support systems, distributed processing and internationalized applications. The INGRES Intelligent Database for Microsoft Windows NT is fully portable and interoperable with INGRES on other systems.

Microsoft Corporation, One Microsoft way, Redmond, WA 98052

**Microsoft SQL Server for Windows NT**

Phone: (206) 882-8080  
(800) 227-4679

Fax: (206) 936-7329

Available: Early 1993

*Microsoft SQL Server for Windows NT provides you with the tools and information you need to develop powerful, 32-bit Windows-based client-server database and connectivity applications.*

Microsoft SQL Server for Windows NT brings intelligent, multi-user database management services to today's corporate networks, offering an industrial-strength platform for the delivery of mission-critical applications on the PC platform. SQL Server for Windows NT's powerful, client-server architecture improves network performance, provides centralized control and security for data, and enables a wide range of client applications and tools to share information safely and effectively. Robust connectivity services tie SQL Server into corporate data sources, providing critical links with enterprise information systems.

Oracle Corporation, 500 Oracle Parkway, Redwood Shores, CA 94065

**ORACLE7 Server for NT**

Retail Price: Call

Contact: Oracle Corp.

Phone: (415) 506-7000

Fax: (415) 506-7225

Oracle is currently porting its RDBMS to the Windows NT environment. The multithreaded architecture of ORACLE7 along with the new system recovery and data integrity features represent a milestone in the evolution of RDBMS technology. ORACLE7 Server for NT is optimized to the Windows NT system and will provide high performance, scalable multiprocessing, greater system reliability and fault tolerance. Together, ORACLE7 Server for NT and Windows NT will provide a robust environment for mission critical applications.



PACE Systems, Inc. PO Box 102, Cypress, TX 77429,

### **SQLWatch**

Retail Price: Call  
Contact: Tom Callaghan  
Phone: (713) 373-5430  
(800) FON-PACE

Available: Fourth Quarter 1993

*SQLWatch, the performance monitor for SYBASE and Microsoft SQL Servers, provides administrators and developers with key server statistics in real-time.*

Features include: the use of the Multiple Document Interface to provide a flexible, easy-to-learn environment; a Global window for an at-a-glance picture of overall SQL Server activity; animated graphs to provide continuous server performance feedback; detailed process information including cpu% utilized, new and deceased processes, and a nested count of blocked processes; detailed Lock information with user defined filters; an Event Recorder which logs server alarms that you designate as important; and a graphical view of blocked processes with our unique Blocked Process Tree.

Sharptek Software Dev. Corp., 200-A S.E. Linden Ct., Gresham, OR 97080

### **Sharptek 32-bit Database Development Tools**

Retail Price: \$795  
Contact: Toby L. Tiala  
Phone: (503) 669-8975  
Fax: (503) 669-8975  
Available: December 1992

*A set of 32 bit C/C++ functions that provide extremely fast and very easy to use network model and relational model database functions.*

For applications requiring complex, high-speed database operations that utilize the new Microsoft Windows NT file system. These functions will significantly reduce the development time of any project that requires indexed or networked database operations. This is not a port. Fully utilizes Microsoft's underlying low-level system calls while providing a much friendlier and more powerful interface to the programmer. All code was specifically designed, written, and optimized for the Windows NT system. Both C and C++ source code is included. There are no runtime royalties and no copy protection of any kind.

VMark Software, Inc., 30 Speen Street, Framingham, MA01701

### **uniVerse**

Retail Price: Call  
Contact: Dave Bryant  
Phone: (508) 879-3311  
Fax: (508) 879-3332  
Available: Second Quarter 1993

*Post-relational, multi-user data base management system for Windows NT. Non-First Normal Form features, variable length fields and records, multi-values and full language support. The most successful implementation of one of today's top data models.*

uniVerse is a powerful database management system and applications development environment. It offers a complete, contemporary, fourth-generation solution to the problem of managing information in the business environment. Over 4,000 vertical applications are available for use today. Important features include SQL, distributed files, multi-user, typeless data, true variable length fields and records, multi-valued (nested) data fields, integrated English-like query language, report writer, and extensive data dictionaries.

XDB Systems, Inc, 14700 Sweitzer Lane, Laurel, MD 20707

### **XDB-Server for Windows NT**

Retail Price: Call  
Contact: Harold Daniels  
Phone: (301) 317-6800  
Fax: (301) 317-7701  
Available: Call

*100% DB2 compatible, high Performance, 32-bit, multi-user database system for LANs*

The XDB-Server for Windows NT is a 32-bit high performance, multi-user database system that brings the power and integrity of mainframe database systems to LANs. The XDB-Server for Windows NT is based on client-server technology and provides 100% DB2 compatibility including transaction processing, referential integrity, record-level locking, rollback and recovery, distributed database access, as well as other DB2 features. XDB's open architecture allows many independent software vendors to interface their products to the XDB-Server for Windows NT.

Zebosoft, 136 East Hampton Way, Jupiter, Florida 33458

### **PropertyView**

Retail Price: \$995  
Phone: (407) 575-1504  
Available: April 1993

*Incorporate still pictures, motion pictures, and audio into your real estate presentations using your Personal Computer!*

PropertyView is a database configured for real estate and optimized to the Microsoft Windows NT system. Still pictures, audio, and full-motion video can be included in the property listing. Extensive searching capabilities makes simple or complex retrieval a breeze.

### **Server Applications: FAX**

Brooktrout Technology, Inc., 144 Gould Street, Needham, MA 02192

### **Fax and Voice API**

Retail Price: Call  
Phone: (617) 449-4100  
Fax: (617) 449-9009  
Available: March 1993

The fax and voice application programming interface (API) is a toolkit of C language functions which supports the development of sophisticated fax and voice applications. These applications operate with Brooktrout Technology's multi-channel, DSP-based line interface cards to produce fax and voice systems characterized by high port density while minimizing host processor loading. The API is also available for use under MS-DOS, OS/2, UNIX, QNX and XENIX.

Computer Image Technology, Inc., 321 West Eighth Street, Davis, CA 95616

### **CorporateFax Server NT**

Retail Price: \$995  
Contact: Davis Carroll  
Phone: (916) 753-9540  
Fax: (916) 753-9835  
Available: May 1993

*Network facsimile server for workgroups, provides send and receive view, print and image conversion capability for Windows 3.1 and users of Windows NT and workgroups using Windows NT based server.*

CorporateFax supports large networks of users for fax send and receive from Windows based workstations. Supports 1 to 64 external EIA Class 2 fax modems. Send PostScript, HP-PCL, text, and image files to CCITT Group III fax machines world-wide. Print to fax directly from Windows based applications via. Use fax printing to send laser quality output from your custom programs to fax machines anywhere. Send faxes at night to save toll costs. Broadcast fax can reach all your customers overnight.

Copia International, Ltd., 1342 Avalon Court, Wheaton, IL 60187

### **FaxFacts**

Contact: Dorothy Gaden  
Phone: (708) 682-8898  
Fax: (708) 665-9841

*Fully automated Fax-On-Demand fax engine provides unattended 24-hour Customer to customers requesting printed materials.*

Users may dial from a regular or a Fax phone to receive data. To obtain information, users respond to voice messages by pressing a series of touch-tones. FaxFacts features include: Broadcast capabilities via multi-line FAX Engine, Software and Hardware DID (Direct Inward Dial), Remote Image Update capabilities, Credit Card charge-per-fax with charge clearing (not just an algorithm check), and automatic Fax Mail Box. Requires AT class machine (not included). Also available for 2 or 4 telephone lines.

All hardware included.

EMCI, PO Box 1653, St. C, 6 Greenwood St., Worcester, MA 01607-0653

### **FAX Associate**

Retail Price: \$895-\$99,000  
Contact: Michael Anton  
Phone: (508) 752-1241  
Fax: (508) 752-1242  
Available: Second Quarter 1993

*FAX Associate is a premier client-server information gateway providing "Fax-On-Demand", "Fax Broadcast", and real-time database access from any touch-tone telephone. Supports 1-192 phone lines.*

FAX Associate combines voice and fax with network and database technology to allow your customers and clients easy access to information stored in electronic form. Rather than sending copies of information which may take days or weeks to receive, customers have immediate access to up-to-date sales and technical literature, pricing, order forms, shipping status information, and any other relevant data. FAX Associate uses the multi-tasking and networking capabilities of Windows NT to allow distribution of static information as well as access to databases in real-time while the caller is on the telephone.

Ibex Technologies, Inc., 550 Main St., Ste. G, Placerville, CA 95667

### **Interactive Forms**

Retail Price: \$3,335  
Contact: Julie Quinn-Kiernan  
Phone: (916) 621-4342  
(800) 289-9998 (demo)  
Fax: (916) 621-2004  
Available: August 1993

*Receive instant information via fax by filling out and faxing in forms.*

The Ibex Interactive Forms product allows users to receive instant information via fax by filling out and faxing in forms. In addition, data and/or images on the forms may be captured and saved in a database. The combined technology of FactsLine and Interactive Forms converts any fax machine into a tool for storing, retrieving, and processing information. Interactive Forms features include forms generation and system configuration in Microsoft Windows; ability to configure each bubble on the form; and the ability to save the name/address area for marketing feedback, mailing labels, or additional off-line processing.

Ibex Technologies, Inc., 550 Main St., Ste. G, Placerville, CA 95667

### **Fax Description Language**

Retail Price: \$2,500  
Contact: Julie Quinn-Kiernan  
Phone: (916) 621-4342  
(800) 289-9998 (demo)  
Fax: (916) 621-2004  
Available: June 1993

*Make dynamic faxable documents easily with this scripting language.*

Fax Description Language (FDL) is a scripting language that takes dynamic data and creates faxable documents. It includes text and drawing commands to create simple or complex documents using a variety of Windows fonts, pens, and brushes. FDL provides advanced features such as word wrap, shadow boxes, rotation, and other functions. Included with FDL is a program to create and view the scripts, allowing for instant feedback. Applications include custom cover pages, database reports, automatic invoicing, forms processing, and mini/mainframe fax applications.

Ibex Technologies, Inc., 550 Main St., Ste. G, Placerville, CA 95667

### **FactsLine for Windows**

Retail Price: Starts at \$7,000  
Contact: Julie Quinn-Kiernan  
Phone: (916) 621-4342  
(800) 289-9998 (demo)  
Fax: (916) 621-2004  
Available: August 1993

*Windows-based voice/fax solution simplifies fax-on-demand, broadcasting, and voice processing management functions.*

FactsLine for Windows, the first and only Windows-based fax-on-demand product, is a full-featured interactive voice/fax solution for customer service, literature fulfillment, forms distribution, and other automatic document retrieval applications. Customers or other users call the FactsLine system, listen to voice menus, select documents with their telephone keypad, and instantly have the requested information delivered to their fax machine. Included with FactsLine is Fax Broadcast, which allows FactsLine to perform high-volume fax transmissions with custom cover pages.

Siren Software Corp, 750 Menlo Avenue, Menlo Park, CA 94025

### **SirenFax Server NT 1.0**

Retail Price: \$995  
Contact: Jeff Morrison  
Phone: (415) 322-0600  
(800) 457-4736  
Fax: (415) 322-9999  
Available: May 1993

*High performance facsimile services for Windows NT based server and users of Windows 3.1 and Windows NT users combines networked flexibility with powerful image processing and communications efficiency. Sends and receives CCITT Group III facsimilies using up to 64 EIA Class 2 modems on 486 server running Windows NT, via DOS and Windows 3.1 & NT workstations. Multitasking design supports large networks of users. Fax engine links with existing applications. Superb quality fax output on any fax machine, anywhere, improves fax efficiency, and cuts costs on overnight delivery services. Supports networked Windows 3.1 and Windows NT workstations. Prints faxes on standard laser printers. Accepts documents in ASCII, HP-PCL, and PostScript, via Windows direct, and PCX, TIFF, GIF image formats.*

### **Server Applications: Imaging/Text Management**

Arbor Image Corporation, 230 Collingwood, Suite 250, Ann Arbor, MI48103

#### **Perfect Exposure**

Retail Price: \$99-\$895  
Contact: Thomas Gray  
Phone: (313) 741-8700  
Fax: (313) 741-8806

*Image restoration program restores poor quality greylevel scans to near original condition, also copies selected colors from color scans to separate files.*

Perfect Exposure restores poor quality scans from old blue prints, brownlines and originals to near original condition; removing water and coffee stains, sharpening blurry lines, and removing paper crease marks. Perfect Exposure is ideal for assigning contour lines from color or greylevel scans of U.S. Geographic Survey Maps to separate files. Perfect Exposure also performs edge detection on greylevel scans; excellent for producing line art from a greylevel photograph. Converts greylevel TIF, or color PCX images to black and white RLC or PCX raster formats.

Arbor Image Corporation, 230 Collingwood, Suite 250, Ann Arbor, MI48103

#### **AfterImage**

Retail Price: \$199-\$895  
Contact: Thomas Gray  
Phone: (313) 741-8700  
Fax: (313) 741-8806

*Overlay program merges raster images and vector drawings on the same drawing screen and uses Windows NT to seamlessly interface to other Arbor Image programs for automatic raster to vector conversion. AfterImage is a "heads-up" digitizing program that allows the user to trace scanned images into a CAD drawings. This process can be manually done, or portions of, or the entire image may be automatically vectorized with Arbor Image's Draftsman for Windows. Zoom functions are performed on both the raster image and vector drawings simultaneously. AfterImage's vector drawings may be output to any popular CAD format. Raster images are available from nearly all scanners.*

B.C. Fitzgerald & Associates, Inc., 30W369 White Oak Lane, West Chicago, IL 60185

**DOORS**

Retail Price: \$1,995  
Contact: Bruce Fitzgerald  
Phone: (708) 289-8751  
Fax: (708) 289-8751  
Available: November 1993

*Automated Imaging and Text Retrieval system for Windows NT which offers enhanced security and performance.*

DOORS is a document management and retrieval system that captures image input from scanners and fax devices. Images may be processed to provide text documents. Customized applications may be built using user-defined file folders and forms. Information may be selected from text documents automatically input onto forms using a mouse or pen interface. Query capabilities allow folders of images, text and forms to be retrieved using powerful search techniques. Customized reports may be generated from query results. Folders, images, text and forms may be routed to other PCs or sent to a laser printer or fax.

Computer Image Technology, Inc., 321 West Eighth Street, Davis, CA 95616

**CADnet Document Manager**

Retail Price: \$1,495  
Contact: David Carroll  
Phone: (916) 753-9540  
Fax: (916) 753-9835  
Available: May 1993

*Network Document Manager for AutoCAD drawings and other engineering documents. Workgroup support for mail, sharing files, security, project status.*

A complete document management system for engineering workgroups. Supports MS-DOS, Windows NT, and UNIX workstations via TCP/IP. Server provides file check-in/check-out services, security, transaction logs, document database, revision control, release process management, print and plot queueing, and data backup services. System administration is automated a menu system. Used by Boeing, NASA, Motorola, etc. Specific support for CAD/CAM packages including AutoCAD 11 & 12 and CADkey. CADnet also manages spreadsheets, documents, and graphics files.

Image Engineering, 5015 Pine Creek Drive, Westerville, OH 43081-4849

**PAPER Terminator**

Retail Price: \$1,995  
Phone: (614) 899-7226  
Fax: (614) 899-7769  
Available: April 1993

*High-performance document management/workflow system for Windows NT.*

PAPER Terminator can operate as either an entry-level standalone system or a client-server system fully integrated with Microsoft Windows NT. The system provides document management functionality, including image scanning, viewing, keyword indexing and retrieval of multi-page documents using industry standard SQL. Additional options available for PAPER Terminator include OCR, full-text search and retrieval, queue and mail-enabled workflow.

InterTech Imaging Corp., 5920 Plantation Drive, Roswell, Georgia 30075

### **DocuPACT**

Retail Price: Call  
Contact: EliGruber  
Phone: (404) 640-0555  
Fax: (404) 552-6823  
Available: December 1992

*Document imaging and information management.*

DocuPACT version 1.1 allows you to scan, index, annotate, store and retrieve documents. Free-style hand writing, highlights with up to 16 different colors and unlimited number of "Sticky" notes can be generated as an overlay to the image. One unique feature of DocuPACT is its Profile generation facilities for indexing purposes. Other advanced features are its customizable icons, drag & drop restructuring of the database and "Hyper•Link" connections between objects. DocuPACT is based on Microsoft's power SQLServer, which allows for complete relational queries with full security provisions. Binary CCITTimages may be converted to gray level for easy readability. Printing can be done with or without the notes as an overlay. OCR and FAX are also possible.

Kofax Image Products, 3 Jenner Street, Irvine, CA 92718

### **KIPP Developers Toolkit for Windows NT**

Retail Price: Call  
Contact: Wes Chalfant  
Phone: (714) 727-1733  
Fax: (714) 727-3144  
Available: April 1993

The KIPP Developers Toolkit for Windows NT uses high-level C-function calls to simplify and shorten the development of Document Image Processing application software. Developers program to sophisticated Image Libraries to execute imaging operations with single function calls, eliminating the need for specialized programming. A standard API for software development in MS-DOS, Windows, OS/2, UNIX and Windows NT allows program code to be easily ported between these environments. The Toolkit includes KIPP Image Libraries, demo programs, sample source code and comprehensive documentation.

Lenel Systems International, Inc., 19 Tobey Village Office Park, Pittsford, NY 14534-1763

### **MpcOrganizer For NT**

Retail Price: \$295  
Phone: (716) 248-9720  
Fax: (716) 248-9185  
Available: March 1993

*MpcOrganizer for NT is a multimedia database application to manage, retrieve, play and present multimedia data on MPCs or equivalent systems.*

MpcOrganizer for NT allows users to create multimedia databases for audio, animation, graphic and document data without any programming. Free-text names and descriptions can later be searched to retrieve all multimedia data on a particular topic. Supports hard disks, CD-ROMs, and audio CDs. Embed multimedia data in other applications through OLE. Synchronized audio, AVI video, graphics or animation in multimedia "shows." MCI engine controls multimedia peripherals. Supports major animation, audio, graphic and document formats. Cataloged multimedia elements can be integrated into other Windows applications using Lenel's MediaDeveloper development engine.

Sigma Imaging Systems, 622 Third Avenue, New York, NY 10017

### **OmniDesk**

Retail Price: Call  
Contact: Katherine Askew  
Phone: (212) 476-3000  
Fax: (212) 986-0175  
Available: Third Quarter 1993

*Proven industrial-strength imaging system for departmental or enterprise-wide solutions.*

The OmniDesk imaging system is a proven, industrial-strength, business document imaging system. OmniDesk is a full-featured imaging system that includes graphical workflow, image and non-image documents, folders, OCR/ICR, fax in/out, high-speed scanning, and a variety of optical disk storage alternatives. Based on a distributed client-server architecture, OmniDesk provides a scaleable imaging solution that can be deployed departmentally as well as enterprise-wide. OmniDesk's unique multi-server domain architecture allows users to combine multiple physical servers into a single logical server.

Third Eye Software, Inc., 750 Menlo Avenue, Suite 300, Menlo Park, CA 94025

### **Elexir® Information Retrieval System**

Retail Price: Call  
Contact: Diane Butler  
Phone: (415) 321-0967  
Fax: (415) 321-2066  
Available: Second Quarter 1993

*Advanced information retrieval technology for use on a single PC or in a mixed-vendor client/server environment.*

Clients can be anything from PCs running Windows 3.X or Windows NT to workstations running a variety of UNIX implementations. Servers can be anything from PCs running Windows NT to workstations to massively-parallel machines. Features include a choice of search methods (concept similarity and standard and fuzzy Boolean), all with relevance ranked output; customizable document format filters; simultaneous searching of multiple textbases; concurrent searching, indexing and textbase administration; and the Elexir user interfaces for Windows 3.X, X/Motif and ANSI terminals. Also available are Elexir's PostScript and Interleaf options, the Elexir Developer's Kit, and Elexir InterLink.

TMS, Inc., 110 W. 3rd St., Stillwater, OK 74074

### **ViewDirector for Windows NT**

Retail Price: \$88  
Contact: Todd Hagen  
Phone: (405) 377-0880  
(800) 944-7654  
Fax: (405) 377-0452  
Available: Second Quarter 1993

*The fastest image decompression, compression, conversion and manipulation SDK for bitonal raster (CCITT Group 3 and 4) imaging.*

ViewDirector is an imaging tool kit for application developers that provides image compression, decompression, scaling, and display capabilities as a set of C function calls. ViewDirector is delivered as a DLL, and can also be used in any Windows NT application that can access a DLL. New functionality includes gray scale/raster image overlaying capability, 16 level gray scale support, redlining, edge shading anti-aliasing and dithering. Potential applications include Document Image Processing systems, engineering document management systems, Fax viewing applications, and image retrieval for databases.



## **Server Applications: Other**

Canaan Analytics, Inc., PO Box 111, New Castle, DE 19720-0111

### **CAIJCS**

Retail Price: \$4,995  
Contact: Annette R. Keating  
Phone: (302) 984-2237  
Fax: (302) 984-2923  
Available: First Quarter 1993

*The Canaan Analytics Interactive Job Control System (CAIJCS) is a Windows NT 32-bit automatic job scheduling system used to control the execution of jobs in a production PC environment.*

CAIJCS makes it possible to downsize mainframe applications and segment the work on multiple PCs. The system monitors and schedules jobs across these PCs, providing for unattended 24 hour, seven days a week operation of a PC environment. CAIJCS today controls running jobs which are complex reporting programs running against a SQL database. Excel macros are used to produce complex reports and charts, and automated database backups. CAIJCS consists of five components: Foreman: Schedules jobs for processing based on time of day. Dispatcher: Selects next available job to run. SQL Procedures and Tables: Main processing functions and tables. QJCS: Windows program to report/change job and status; and Canaan Query: Windows NT 32-bit program to report/change job status.

Courtland Group, Inc., 10480 Little Patuxent Parkway, Ste.850, Columbia,MD 21044

### **The Courtland Ultra Series of Optical Imaging Software Products**

Retail Price: From \$795  
Contact: Philip J. Gerolstein  
Phone: (410) 730-7668  
Fax: (410) 730-8271  
Available: November 1992

*Courtland releases Windows version of their Ultra Imaging software with integrated OCR(optical character recognition)!*

Courtland Group, Inc. has announced the release of a Microsoft Windows version of their Ultra MS-DOS Series of optical imaging software. The Windows versions provide flexibility and power not available in MS-DOS. This power allows the use of the standard Ultra database for Cabinet/File Folder configuration; or the linking into other database engines, including SQLtype servers. Ultra Windows also features integrated OCR(Optical Character Recognition) capabilities which allows a document to be scanned and the image converted to ASCIIdata. Each of the Ultra programs are available in single work station and networked configurations.

Lantern Corporation, 63 Ridgemoor Drive, Clayton, MO 63105

### **Voyager Viewer**

Retail Price: \$10  
Contact: Neal Thompson  
Phone: (314) 725-6125  
Fax: (314) 725-6125  
Available: Call

*Voyager Viewer is a graphical spatial and temporal database browser allowing a user to browse through all dimensions of a database simultaneously.*

Voyager Viewer version 1.0 views temporal and spatial databases. It enables you to view a database by seeing it from multiple dimensions simultaneously. Querying of a database is as simple as pointing and clicking with the mouse those points of interest in any view. This is especially useful in databases where spatial and temporal information is present.

Voyager accomplishes this by providing an environment where data exploration and browsing are supported by multiple linked views into a databases augments traditional charting and presentation graphics software with additional abilities to understand spatial and temporal relationships.

Sytron Corporation, 134 Flanders Road, Westboro, MA 01581

**Syτος Backup for Windows NT**

Contact: Stephen J. Gentile  
Phone: (508) 898-0100  
(800) 877-0016  
Fax: (508) 898-2677  
Available: Fourth Quarter 1993

*Syτος Backup for Windows NT is a server-based backup and restore application for all workstations and servers in the network.*

Under Windows NT, Syτος Backup for Windows NT will support unlimited clients running MS-DOS, Windows, and OS/2 operating systems. This release will offer centralized administration, network security, automated operations, an integrated database, media management, tape rotation schemes, file grooming, library cataloging, and archiving. Support for the a wide variety of storage devices will include QIC and SCSI devices such as 1/4" cartridge, 8mm data cartridge, 4mm DAT and optical drives.

Vinca Corporation, 4000 Central Park East, 1815 South State Street, Orem, UT 84058

**SAN Manager**

Retail Price: \$2,995  
Phone: (801) 227-2322  
Fax: (801) 227-2396  
Available: Now

*A graphical tool for configuring, monitoring, and managing a Storage Access Network (a collection of storage devices networked together in parallel).*

SAN Manager aids in the creation of an incrementally expandable storage system that provides fault resistance, hot reconfiguration, increased bandwidth, and increased access speed, while off-loading data management responsibilities from the file server. In monitoring the SANTM, SAN Manager will notify the system administrator of impending problems, and automatically respond when preset failure levels are reached. SAN Manager can also generate status reports and allows for simulation of various SAN configurations.

## Tools/Core Development

### Code Management Systems/Version Control

Abraxas Software, Inc., 5530 SW Kelly, Portland, OR 97201

#### **CodeCheck/nt**

Retail Price: \$695  
Contact: tana rae Kuntz  
Phone: (503) 244-5253  
(800) 347-5214  
Fax: (503) 244-8375  
Available: October 1992

CodeCheck/nt Version 4.0 is a programmable tool for managing all C and C++ source code on a file or project basis. CodeCheck/nt is input compatible with all variants of K&R, ANSI C and C++ (Microsoft, Metaware, Borland, Zortech, Intel, Vax/Vms-Ultrix, HP/Apollo, Microtec, Watcom, Symantec, Apple MPW, AT&T, NeXT, and GNU). CodeCheck/nt is designed to solve all of your Portability, Maintainability, Complexity, Reusability, Quality Assurance, Style Analysis, Library/Class Management, Code Review, Software Metric, Standards Adherence, and Corporate Compliance Problems.

Curran Software, 4739 University Way NE, Ste. 1511,,Seattle, WA 98105

#### **Curran's Bench**

Retail Price: \$395  
Contact: Tom Marvin  
Phone: (206) 521-3790  
Fax: (206) 822-4932  
Available: Now

*Windows hosted environment for managing all your projects' tools, configuration parameters, environment variables and command line flags, etc. Plus a full RCS version control system.*

RCS Version Control — an elegant, three-level interface to version management. A hierarchy of projects, versions, and revisions helps you track any changes you make. Manages OOP class libraries, supports branching, LAN compliant, stores comments and changes, etc. Workbench — configures and groups user specified tools (both MS-DOS and Windows) and OS execution environment for convenient access in user-defined toolboxes. Tools can be programmed to access files and directories wherever they are in a project. Add commands, applications, tools and even batch files to your menu bar. Supports multiple compilers.

Graphitti Software 1070 N. Adler Avenue, Clovis, CA 93611,

#### **BauBloc Version Control for Windows/NT**

Retail Price: \$249  
Contact: Steve Shaw  
Phone: (209) 299-7849  
(800) 484-1111  
Fax: (209) 299-1143  
Available: Now

*Graphical workbench manager with version control for software development.*

BauBloc supports software development projects under Microsoft Windows. It combines an intuitive graphical user interface to version control. The Version control features provide each developer with an overview of the project status, and a working environment in which code modules are protected from inadvertent concurrent changes. BauBloc comes with an integrated version control system which has an open API that interfaces with PVCS. Mysterious and cumbersome MS-DOS command lines are eliminated. BauBloc's tool integration facility allows developers to configure the various applications, files and system configurations used in a development environment and group them into user defined toolboxes. BauBloc is useful for software development on LAN's and for managing reusable code components such as object

oriented class libraries for C++.

Icarus Software, 1405 Mordecai Drive, PO Box 11639,,Raleigh, NC 27604

### **SourceSafe**

Retail Price: \$245  
Contact: Ken Felder  
Phone: (919) 821-2300  
(800) 397-2323  
Fax: (919) 821-5222  
Available: Now

*Project-oriented version control for modular code.*

SourceSafe version 1.10, the project-oriented version control system, offers five principal benefits to your development process: 1) Developer coordination; 2) History Tracking; 3) Hierarchical Projects; 4) Ease of Use and 5) Ease of Maintenance. SourceSafe prevents several developers working together on a project from accidentally overwriting each other's changes. SourceSafe records each change you make to every file, so if you change a file ten times, SourceSafe "stores" all ten versions-in less disk space than two would normally take. SourceSafe Organizes source files into a hierarchy of "projects" similar to MS-DOS directories, except that one file can be stored in multiple projects. Modular, reasonable code is handled automatically.

INTERSOLV, 3200 Tower Oaks Blvd.Rockville, MD 20852

### **PVCS-Version Manager Configuration Builder**

Retail Price: \$300-\$600  
Contact: Ron Exler  
Phone: (301) 230-3211  
Fax: (301) 231-7813  
Available: First Quarter 1993

The PVCS Series provides software configuration management for developers working in a distributed development environment using LAN's, and standalone workstations with connections to popular MVS based library systems. PVCS provides comprehensive functionality to retrieve, version, build, and ensure execution of any version of a system in a heterogeneous environment. PVCS provides consistent services across MS-DOS, Windows, Windows NT, OS/2, SunOS, Solaris, HP, AIX, SCO and System V/386.

Legent Corporation, 114 Turnpike Road, Westborough, MA 01581

### **ENDEVOR**

Retail Price: Call  
Phone: (800) 676-LGNT  
Available: December 1993

*Provides automated software management capabilities for Windows, MS-DOS, OS/2 and UNIX.*

*Automatically tracks all software changes and automates and controls the movement of PC components through the development life cycle.*

ENDEVOR Workstation allows users to organize inventory components logically, making components easy to access. It provides automatic version support, letting users retrieve the most current level or any back level of a program. It manages parallel development on both in-house developed software and customized vendor-supplied packages. The ENDEVOR Make Facility manages the relationship between source and dependent modules, ensuring the reliability of newly released applications. ENDEVOR Workstation can be connected to ENDEVOR on an MVS host via ENDEVOR Link. This allows ENDEVOR to operate cooperatively, controlling files across workstations, LANs and host platforms.

One Tree Software PO Box 11639, 1405 Mordecai Dr. Raleigh, NC 27604

### **Source Safe 2.0**

Retail Price: Call  
Contact: Ken Felder  
Phone: (919) 821-2300  
(800) 397-2323  
Fax: (919) 821-5222  
Available: August 1992

*A complete project-oriented version control package, with a genuine Windows NT interface modeled after the File Manager for a quick learning curve and one-point control over your entire development system!*

Traditional version control offers two principal benefits to your development process. First, it tracks the history of every file, allowing you to recover old versions of your code. Second, it coordinates multiple developers on a network, preventing them from overwriting each other's code. SourceSafe is the first package to bring these benefits to the Windows NT Development environment. But SourceSafe also provides a higher level of organization, by tracking entire projects as well as individual files. So you can generate the history of an entire project; and track shared code, when one modular file is reused by many different projects!

Softool Corporation, 340 South Kellogg Ave., Goleta, CA 93117

### **CCC/Manager**

Retail Price: \$495  
Contact: Laurie Mix  
Phone: (805) 683-5777  
(800) 736-0696  
Fax: (805) 683-4105  
Available: Now

*Life Cycle Management for the Corporate Environment.*

CCC/Manager version 2.0 provides comprehensive support for the entire software development life cycle. It provides change and version control for all software components, support for all phases of the life cycle, turnover and migration management, and impact management. It is used by all persons involved in the development process. The product features an easy to use GUI and command line interface. The product operates on networks and standalone PCs and can be interfaced to other host change management systems. The Windows NT version is a full 32-bit native implementation. CCC/Manager is available on over 20 platforms including IBM, UNIX, Digital, and the PC.

### **Tools/Core Development: Compilers/Debuggers/Editors**

Abraxas Software, Inc., 5530 SW Kelly, Portland, OR 97201

### **PCYacc/nt**

Retail Price: \$695  
Contact: tana rae Kuntz  
Phone: (503) 244-5253  
(800) 347-5214  
Fax: (503) 244-8375  
Available: October 1992

PCYACC/nt Version 4.0 is a complete Language Development Environment that generates ANSI C source code from input Language Description Grammars for building Assemblers, Compilers, Interpreters, Browsers, Page Description Languages, Language Translators, Syntax Directed Editors, Language Validators, Natural Language Processors, Expert System Shells, and Query languages. Complete Grammars, Lexical Analyzers, and Symbol Table Management for ANSI C, K&R C, ISO Pascal, REXX, dBASE III/Plus and IV, SQL, C++, Smalltalk-80, APPLE HyperTalk, C&M Prolog, FORTRAN-77,

COBOL-85, ADA, VHDL, Visual Basic, SGML, ASN.1, RPG, PL1, SNA/LU, and POSTSCRIPT are included.



Absoft Corporation, 2781 Bond Street, Rochester Hills, MI 48309

**Absoft FORTRAN 77 for Windows NT**

Retail Price: \$995  
Contact: Wood Lotz  
Phone: (313) 853-0050  
Fax: (313) 853-0108  
Available: First Quarter 1993

*Absoft FORTRAN 77 - 32 bit globally optimizing, VAX/VMS compatible compilerspecially designed for 386/486 Windows NT development.*

Absoft FORTRAN 77 is a full 32 bit ANSI X3.9-1978, MIL-STD 1753, SAA CPI FORTRAN compliant compiler. Compatibility options facilitate porting to Windows NT from mainframes, RISC workstations, and Microsoft FORTRAN or developing native Windows NT applications. Most VAX/VMS extensions are supported including STRUCTURE, RECORD, all VAX intrinsic functions, plus CRAY/Sun-style POINTER. Either Intel or Weitek FPU hardware required. The compiler is compatible with Microsoft's Windows NT SDK tools, link compatible with Microsoft C/C++ for Windows NT, and includes a Windows interface. Source compatible with other Absoft F77 PC & workstation compilers.

ßAcucobol, Inc., 7950 Silverton Ave., Suite 201, San Diego, CA 92126

**ACUCOBOL-85**

Retail Price: Call  
Phone: (619) 689-7220  
(800) 262-6585  
Fax: (619) 566-3071

*Multi-platform portability across 500 platforms without having to recompile a single line of code.*

ACUCOBOL-85 is the most portable COBOL compiler for microcomputers, minicomputers, and mainframes that is available today. ACUCOBOL-85 offers exceptionally compact, highly optimized machine-independent code that is portable across over 500 different platforms. ACUCOBOL-85 is NBS certifiable error-free under the HIGH 1974 and 1985 ANSI COBOL standards. Extensions are included for boxed and reverse-video

windows; pop-up windows; color; scrolling up/down; system and terminal information; delete file and reading locked records and more.

Arity Corporation, Damonmill Square, Concord, MA01742

**Arity/Prolog32**

Retail Price: \$2,450  
Contact: Meredith Bartlett  
Phone: (508) 371-1243  
Fax: (508) 371-1487  
Available: December 1992

*The sophisticated graphics and communications flexibility of these emulators now have the added power of 32-bit applications.*

These applications emulate the Aydin 5215/5217 display generators to create and display real-time pictures for process control or monitoring. They are 100% compatible with the Data Trend Channel Set (DTCS), Dot Addressable Channel Set (DACs) and Trend Charting features. Selectable serial baud rates and networking options of Berkeley Sockets, NETBIOS, DECNET, etc. offer communications flexibility. Optimization to the Microsoft Windows NT system offers the user superior program execution.

Base Technology, 1543 Pine Street, Boulder, CO 80302

### **Liana Professional Developer**

Retail Price: \$595  
Contact: Jack Krupansky  
Phone: (303) 440-4558  
(800) 786-9505  
Fax: (303) 444-4186  
Available: March 1993

*A new object-oriented programming language that is much more powerful than BASIC, much less complicated than C/C++, and has all the flexibility of Smalltalk.*

Liana is a C/C++-like, interpretive, object-oriented programming language and class library for Windows NT. Syntax is very similar to C and C++, but simplified and extended to be more flexible and as friendly as BASIC. Class library has over 100 classes for Windows objects with easy-to-use support for DDE, DLLs, and MDI. Supports user-defined classes with inheritance. Manual has tutorial with over 70 sample programs. Great for prototyping and casual programming.

Blossom Software One Kendall Sq., Bldg. 600, Cambridge, MA 02139

### **Ibrow**

Retail Price: \$49.95-\$179.95  
Contact: Sales Dept.  
Phone: (617) 738-1516  
Available: December 1992

*A lightning-fast Windows-based programmer's editor featuring direct links into online help files.*

Ibrow Release 4 incorporates advanced features like single-click access to online help, program objects, and header files, built-in multi-directory grep, multiple concurrent search/replace dialogs, mega undo/redo, integrated program launching, wicked-fast cut and paste, per-window fonts and tabs, configurable accelerators and menus, and fast editing of large files. Ibrow is written in C using messages crackers and a hierarchy of window classes. Source code includes the monograph Programming Windows with Class.

Bradford Business Systems, Inc. 23151 Verdugo Dr., Suite #114 Laguna Hills, CA 92653

### **SpeedEdit**

Retail Price: \$225  
Contact: Linda Hooper  
Phone: (714) 859-4428  
Fax: (714) 859-4508  
Available: October 1992

*Exceptional Windows NT text editor available on a wide variety of platforms without compromising features or utility.*

SpeedEdit is a powerful, full-featured, easy to use programmers text editor which is available on numerous platforms. SpeedEdit has over 200 built-in-editing functions; over 200 user-tailorable settings; complete user customization; full support of the Windows environment including DDE; regular expressions; language sensitivity; keyboard macros; color from within; search & edit of groups of files in a single step, user menus and tool bar. Versions for Windows NT, Win32s, Win/3.x, MS-DOS, OS/2, SunOS, Solaris 2.0, UNIX, X-Windows, Dynix/ptx. SCO, AIX, MPE, MPE-XL.

California Software Products, 525 N. Cabrillo Park Drive, Santa Ana, CA, 92701-5017

**BABY/4XX-NT**

Retail Price: \$750-\$3,500  
Phone: (714) 973-0440  
Fax: (714) 558-9341  
Available: Third Quarter 1993

*Unique RPG/400 development system for applications originally written for the midrange to run under Windows NT on the PC.*

BABY/4XX-NT is a full-featured software system designed to emulate the AS/400 environment on personal computers running Windows NT. BABY/4XX NT provides users with the power of the AS/400 and cost savings of PC systems. By off-loading RPG/400 applications development to a low cost PC environment, AS/400 users can dramatically improve programmer productivity and mid-range system performance. And users of BABY OS/2 systems have full access to other PC applications such as word processors, spreadsheets, graphics and communications through OS/2's multi-tasking capabilities. BABY software us also a cost effective way to relieve a heavy development or remote communications load of a host mini.

Computer Innovations, Inc., 980 Shrewsbury Avenue, Tinton Falls, NJ 07724-3003

**DEBUG\*2000**

Retail Price: \$395  
Contact: Bill Fowler  
Phone: (908) 542-5920  
(800) 922-0169  
Fax: (908) 542-6121  
Available: November 1992

*A dynamic source debugger that uses clean and uncomplicated operations to reduce the time and effort required to develop C/C++ programs.*

DEBUG\*2000 provides the developer with a multi-window view of dynamically changing program data. A choice of up to nine (9) windows allows multiple views of the program, including source, local symbols, global variables, a "watch" windows for user selected data, and thread information. The selected windows are dynamically updated as the C/C++ program executes. Extensive use of pop-up lists and menus reduce the tracking and management of files, functions, types, variables, and objects. Program control, at both source and machine level, is provided by tool bar actions. Single or counted breakpoints are easy to manage, and hardware breakpoints are supported. DEBUG\*2000 provides full C++ support including classes and methods.

Computer Innovations, Inc.,980 Shrewsbury Avenue, Tinton Falls, NJ 07724-3003

**EDIT\*2000**

Retail Price: \$395  
Contact: Bill Fowler  
Phone: (908) 542-5920  
(800) 922-0169  
Fax: (908) 542-6121  
Available: November 1992

*A robust programmer's editor that provides a real windowing editor engineered to the Microsoft Graphical User Interface, and allows multiple windows for the display and editing of multiple program files.*

EDIT\*2000 provides powerful editing capability, including concurrent display and editing of multiple source files, as well as multiple views into a single file. This easy to use editor provides the capability to work, copy and edit both within files, and across files, and the programmer may edit any arbitrary number of selected files. Editing operations allow block copy, cut, paste, and additional features include a powerful, nested Undo/Redo command, and paren/brace matching to allow C++ programmers to find and highlight

matching pairs. Search and translate are supported as is an on-line "Help" file.

Digital Equipment Corporation, 14475 NE 24th St., Bellevue, WA 98007

### **DEC C++ for Windows NT**

Contact: Cathie Richardson  
Phone: (206) 865-8723  
Fax: (206) 865-8890

*DEC C++ for Windows NT, a native, optimizing V4.0 C++ compiler.*

DEC C++ for Windows NT is a port of DEC C++ for ULTRIX, Version 1.2. DEC C++ V1.2 addresses the software development needs of the C++ and C programmer. It includes a native, optimizing C++ compiler, an ANSI-compliant C compiler, C++ and C source-level debugger, and class libraries. DEC C++ V1.2 offers support for templates and C++ exception handling. We are exploring ports of this technology for Windows NT. Call us if you are interested in test driving this on the Windows NT platform. We are also seeking Windows NT developers with complementary products.

DIGITALK, 9841 Airport Boulevard, Los Angeles, CA 90045

### **Smalltalk/V for Windows**

Retail Price: \$499.95  
Contact: Barbara Noparstak  
Phone: (310) 645-1082  
(800) 922-8255  
Fax: (310) 645-1306  
Available: Now

*Smalltalk/V for Windows delivers 100% of the benefits of OOPS.*

Smalltalk/V for Windows version 2.0 is fully integrated into Windows 3.1 while maintaining capability with Windows 3.0. Provides easy and complete access to all Windows objects including windows, menus, dialog boxes and scroll bars. No runtime charges. Other features include: StatusPane, ToolPane and complete access to Windows-specific features such as MDI, Help Manager and National Language Support; DDE and DDLsupport integration with Windows tools and other applications; source code compatible with other Smalltalk/V products; provides access to Smalltalk/V source code and browsing tools; object-oriented concepts enable maintainable applications and reusable code; and comes with two extensive user manuals and a tutorial for learning object-oriented programming.

EditPro Corporation, PO Box 927161, San Diego, CA 92192

### **EditPro**

Retail Price: \$138  
Phone: (619) 549-8081  
Available: Fourth Quarter 1992

*A professional programmer's text editor with unlimited files, file sizes, and undo. C-style macro language to create menus, icon tool bars, and boxes. Fast color coding for C, C++, and Pascal.*

EditPro is the professionals choice in programmer's editors. Many of its power features are unlimited file size and unlimited files edited at once. Its powerful C-style macro language can easily create custom menus, icon tool bars, tool boxes, and even tool cubes. Use your own dialog boxes from within EditPro, even call your own DLL functions. Word processing features with 100K spell dictionary and user defined dictionary. Comes with Windows CUA and BRIEF command emulation. Supports color coding of keywords, comments, and strings for C, C++, and Pascal files. Unix style regular expression search and replace.

ImageSoft, Inc., 2 Heaven Avenue, Port Washington, NY 11050

### **AM/C++**

Retail Price: Call  
Contact: Joshua Allen  
Phone: (516) 767-2233  
(800) 245-8840  
Fax: (516) 767-9067  
Available: September 1992

*An application organizer for C++.*

An array of impressive features make AM/C++ version 1.0 the complete solution for C++ development. Incremental parsing, and integrated browser and source control for multiple developers are among the many advantages provided by AM/C++.

AM/C++ assists development teams in designing, developing and maintaining C++ and C applications. AM/C++ enables developers to access and edit elements to the application in a structured, domain-oriented fashion without referring to filenames.

AM/C++ is an excellent example of code reuse at work. It uses Glockenspiel Common View for its user interface, giving it portability and consistent behavior across Microsoft Windows and other platforms.

Mansfield Software Group, PO Box 532, Storrs, CT 06268

### **KEDIT 5.0**

Retail Price: \$210  
Phone: (203) 429-8402  
Fax: (203) 487-1185  
Available: Second Quarter 1993

*The proven text editing power of Mansfield Software's KEDIT 5.0 is coming to Windows NT.*

KEDIT 5.0 for Windows NT is a powerful, general purpose text editor compatible with KEDIT 5.0 versions for MS-DOS and OS/2. KEDIT 5.0 for Windows NT is a text mode application; a GUI version is under development. KEDIT is also compatible with XEDIT, IBM's mainframe text editor for VM/CMS, and has XEDIT's screen layout. Features include: most XEDIT commands, selective line editing (XEDIT's ALL command), mouse support, UNDO and REDO, file locking, online help, a SORT command, and much more. KEDIT's built-in macro language is a subset of the REXX language and includes an interactive macro debugger.

MetaWare Incorporated, 2161 Delaware Avenue Santa Cruz, CA 95060

### **MetaWare High C/C++ for Extended DOS 80386-486**

Retail Price: \$795  
Contact: Kevin Grimes  
Phone: (408) 429-6382  
Fax: (408) 429-9273  
Available: Second Quarter 1993

Advanced compiler technology delivers the fastest and smallest Windows NT executables.

The High C/C++ compiler offers many advanced features not found in any other C++ compiler. The "Incremental Strengths" feature lets the developer specify the level of C++ compilation, allowing migration from C to C++ one C++ block at a time. C++ templates have been fully implemented in this globally-optimized compiler. MetaWare has the only 32-bit C/C++ compiler with floating-point support for a full range of numeric coprocessors, including the Weitek ABACUS 1167, 3167, and 4167, as well as the Intel 80387, and 387 compatibles. Includes High C/C++ compiler, 32-Bit Source-Level Debugger, and pieces of the Microsoft Windows NT SDK, including Win32s and the Microsoft Foundation Classes.

MicroEdge, Inc., PO Box 18038, Raleigh, NC 27619-8038

**SlickEdit for Windows NT**

Retail Price: \$195  
Contact: Jill Lewis  
Phone: (919) 831-0662  
Fax: (919) 831-0101  
Available: Now

*SlickEdit has been shipping for Windows NT since May of 1991. Order today and find out why Dave Cutler, architect and director of Windows NT development says "SlickEdit is the only editor I use."*

SlickEdit v2.3 for Windows NT is a powerful, easy to use programmer's editor that includes a typeless REXX-style macro language and a programmable file manager. Features include mouse support, hypertext help (entire manual on-line), undo/redo to 32,000 steps, incredible procedure tagging, compiler error message processing, syntax expansion and indenting, CUA marking, multiple windows, multiple clipboards, and more! Simultaneously edits Macintosh, Unix, and MS-DOS ASCII format files. SlickEdit is completely configurable and has comprehensive Brief 3.1 and Emacs emulation (not just key reassignments.) Also available for MS-DOS, OS/2, and many UNIX platforms. Full 30 day guarantee.

Micro Focus, 2465 East Bayshore Road Palo Alto, CA 94303

**Micro Focus COBOL for Windows NT**

Phone: (415) 856-4161  
Fax: (415) 856-6134  
Available: Second Quarter 1993

*High performance 32-bit COBOL compiler and development tools for Windows NT.*

Micro Focus 32-bit COBOL for Windows NT is fully ANSI'85 conforming, and also supports numerous COBOL dialects and extensions. The development tools include a complete source-code debugger, Animator, that provides ultimate control during execution of a COBOL application. Applications written in Micro Focus COBOL, and other COBOL dialects, can be easily migrated to run on Windows NT using Micro Focus COBOL for Windows NT to run as full 32-bit COBOL applications.

Microsoft Corporation, One Microsoft Way, Redmond, WA 98052

**Microsoft C/C++ for Win32**

Contact: Developer Services  
Phone: (206) 882-8080  
(800) 227-4679  
Fax: (206) 93-MSFAX

*Microsoft C/C++ for Win32 is language and library compatible with Microsoft C/C++ 7.0 Development System for Windows.*

Available as part of the Win32 SDK Beta CD-ROM, Microsoft C/C++ for Win32 is language and library compatible with Microsoft C/C++ 7.0 Development System for Windows. Major enhancements include the introduction of 32-bit code generation, 32-bit debugging and 32-bit versions of the Microsoft Foundation Class Library Application Framework.

For more information, look on CompuServe for MSLANG, Section 14-non-technical customer service. For Beta testing information, contact Microsoft Corporation, C++ Beta Coordinator (MS 18/1), One Microsoft Way, Redmond, WA 98052-6399.

Retail versions of Microsoft C++ for Win32 will be available when the Windows NT operating environment becomes available.

Microsoft Corporation, One Microsoft Way Redmond, WA 98052

### **Microsoft FORTRAN Professional Development System**

Retail Price: \$450  
Phone: (206) 882-8080  
(800) 227-4679  
Fax: (206) 93-MSFAX

*Microsoft FORTRAN Version 5.1 brings you the power of the Windows graphical environment to your FORTRAN applications.*

With Microsoft FORTRAN Professional Development System version 5.1, you can easily break through the MS-DOS 640K barrier, running large programs freely in megabytes of extended and even virtual memory. And best of all, you don't need to rewrite most code - just recompile and go. Many features are included, such as often used FORTRAN 90 statements in a fully ANSI validated FORTRAN 77 compiler; and QuickWin technology that lets you create applications that run in Windows - you can resize, iconize or scroll through your output, and you can also cut and paste your graphical output to charting tools like Excel; you can link your existing libraries as DLLs to your C or Visual Basic front-end code; and port mainframe and minicomputer applications to PCs and PC LANs using VAX and IBM extensions supported by Microsoft FORTRAN.

Microsoft Corporation, One Microsoft Way, Redmond, WA 98052

### **Microsoft Macro Assembler Professional Development System MASM**

Retail Price: \$149  
Phone: (206) 882-8080  
(800) 227-4679  
Fax: (206) 93-MSFAX  
Available: 1992

*MASM helps you develop faster, smaller code for your Windows NT, DOS and Windows applications.*

Assembly language programmers are experts at saving end-users time. Now you can finally save some of your own development time with the Microsoft Macro Assembler Professional Development System (MASM) version 6.1. The easy-to-use integrated development environment lets you edit, build and browse through your code. You can create mixed language programs with Microsoft C, FORTRAN, BASIC or COBOL.

Many other features make assembly language programming easier. Use high level language data types and control structures such as IF/THEN/ELSE, REPEATCXZ, REPEAT/WHILE, TYPEDEF and WHILE statements. Convert C header files to Microsoft Macro Assembler include files automatically with H2INC utility. Eliminate assembler-generated NOP instructions and phase errors with the n-pass assembler.

Microsoft Corporation, One Microsoft Way, Redmond, WA 98052

### **Visual Basic Programming System for Windows, Professional Edition**

Retail Price: \$495  
Phone: (206) 882-8080  
(800) 426-9400  
Fax: (206) 93-MSFAX

*The fastest way to program for Windows.*

When the Microsoft® Visual Basic programming system was introduced in 1991, it pioneered a new technique in programming. By combining graphical design tools, a structured event-driven programming model, and an open extensible development environment, the Visual Basic programming system provided a quick and easy way to write sophisticated applications for the Windows operating system. The newest version of the Microsoft Visual Basic programming system for Windows, Professional Edition, now has over 40 custom controls, including new controls for creating workgroup applications, for handling serial communications, and for inputting masked data. Also included is support for Microsoft's ODBC (Open



Database Connectivity), which allows you to connect to a wide variety of machines without changing the code in your application.

Nu-Mega Technologies, Inc., PO Box 7780, Nashua, NH 03060-7780

**Soft-ICE/W Version 1.1**

Retail Price: \$386  
Phone: (603) 889-2386  
Fax: (603) 889-1135  
Available: June 1992

*The most powerful and complete Win 32 system/application level software debugger available.*

Soft-ICE\W gives a complete view of Windows internals. Debug any Windows code at source level including: 32 or 16-bit Windows apps, TSRs, VxDs, MS-DOS or Windows loadable device drivers etc. Soft-ICE/W lets you debug interactions between multiple Windows components concurrently. Full speed, 32-bit processor based breakpoints can be set on memory ranges and locations, I/O port accesses and interrupts. The back trace range feature helps find (UAEs), general protection faults and system crashes. Soft-ICE/W is mandatory equipment for any serious Windows programmer. For a limited time, Soft-ICE/W comes bundled with the book "Undocumented Windows" (a \$39.95 value).

ParcPlace Systems, 999 E. Arques Avenue, Sunnyvale, CA 94086

**Objectworks/Smalltalk**

Retail Price: \$3,500  
Contact: Marty Yam  
Phone: (408) 481-9090  
(800) 759-PARC  
Fax: (408) 481-9095

*The one object-oriented system for developing true color, graphic applications that run unchanged on UNIX, PC and Macintosh workstations under their standard windowing environment.*

Objectworks/Smalltalk is an object-oriented system for the development and delivery of true color, graphic applications in a heterogeneous environment. The system contains three crucial components that give software developers maximum productivity and rapid development of applications: 1) the Smalltalk language; 2) a set of integrated designed-for-objects developed tools; and 3) a mature class library of over 350 types of Portable Objects.

ParcPlace Systems, 999 E. Arques Avenue, Sunnyvale, CA 04086

**Objectworks\C++**

Retail Price: \$2,995  
Contact: Marty Yam  
Phone: (408) 481-9090  
(800) 759-PARC  
Fax: (408) 481-9095  
Available: Now

*Objectworks\C++ is the C++ programmer's tool that works with traditional UNIX programming tools, efficiently handles large bodies of C++ code and supports serious C++ development teams.*

Objectworks\C++ addresses the needs of C++ programmers and programming teams working with large bodies of C++ code. Its flexible interface to UNIX tools coupled with graphical browsers that manage code complexity are uniquely suited to aid programming teams. It scales up well on large projects, easily handling class libraries like NIHCL and InterViews. It works with traditional UNIX tools like "make" without requiring engineers to change either the tools or how they use them.

Pelt Industries, 8027 N 41st Street, Longmont, CO 80503-8843

### **Regina/NT**

Phone: (303) 442-7700

Fax: (303) 442-3198

Available: September 1993

*A full-featured REXX compiler that generates true 32-bit object code and includes an Integrated Development Environment as well as class libraries to access almost all Windows NT functions.*

Regina/NT is a true 32-bit object code compiler that implements the entire REXX language (as defined in Cowlshaw 2nd Edition) with numerous extensions (REXX++) to provide true object-oriented programming under Windows NT. The IDE includes a class browser, interactive debugger, language-aware source code editor, project Make and on-line help for the entire product, REXX language and extensions. The editor and many of the utilities can be programmed using macros written in REXX. Object code generated by Regina can be linked with other routines written in assembler or "C" (Microsoft or Borland).

Premia Corporation, 1075 NW Murray Blvd., Suite 268 Portland, OR 97229

### **Codewright**

Retail Price: \$249

Phone: (503) 647-9902

(800) 547-9902

Fax: (503) 647-5423

Available: November 1992

*Highly acclaimed programmer's editor provides an unparalleled combination of power, performance, configurability and extensibility.*

Codewright V2.0, the first professional quality programmer's editor designed explicitly for Windows, provides all the "standard" capabilities you've come to rely on like unlimited undo/redo, column blocks, auto-save, language templates, regular expression search/replace, multiple scrap buffers. But Codewright also offers powerful new capabilities like text "folding", hex mode, differencing, merging and ChromaCoding. Moreover, Codewright is right at home in the Windows environment: Common Dialogs, MDI, CUA, DDE, text and file drag-and-drop, extensibility via DLLs using any Windows-compatible language.

Raindrop Software Corporation, 883 Arapaho Rd., Suite 104 Richardson, TX 75081

### **Software Engineer**

Retail Price: \$349.95

Phone: (214) 234-2611

Fax: (214) 234-2674

Available: First Quarter 1993

Software Engineer is the most highly integrated LISP/Windows® development environment available. It was written specifically for Windows. Software Engineer speaks fluent DDE (Dynamic Data Exchange) and can act as either a client or a server for any Windows application also supporting DDE. Software Engineer comes with an interpreter, pseudo compiler, dialog box editor, icon editor and a LISP aware text editor. Supports CLOS, the Common Lisp Object System and takes full advantage of Windows NT's large address space. In addition Software Engineer maintains complete source code compatibility between all MS Windows platforms. With Software Engineer you have all of the tools you will need to produce high quality LISP applications for Windows NT.

Silicon Valley Software, 1710 S. Amphlett Blvd., Suite 100, San Mateo, CA 94402

**SVS nt/Pascal-X86**

Retail Price: \$580-\$725  
Contact: Tony Parkhill  
Phone: (415) 572-8800  
Fax: (415) 572-1685  
Available: Now

*Exceptional 32-Bit Pascal development system combines with Win32, Win32s and Windows NT delivering unprecedented programming power for the creation and execution of native 32-Bit Pascal Windows NT applications.*

SVS nt/Pascal - X86 is a certified, full implementation of the ANSI/IEEE 70 X3.97-1983 standard and ISO compliant. The system includes a complete source level symbolic debugger capable of debugging combined language executables. SVS nt/Pascal contains a robust set of extensions which include features for interfacing to subroutines written in C and FORTRAN-77 languages. SVS nt/Pascal is one of the best respected and most widely distributed compilers in the industry today. SVS nt/Pascal is a true native code compiler and specifically tailor and optimized to the Microsoft Windows NT system and Win32/Win32s applications development.

Silicon Valley Software, 1710 S. Amphlett Blvd., Suite 100, San Mateo, CA 94402

**SVS nt/ANSI-C-X86**

Retail Price: \$580-\$725  
Contact: Tony Parkhill  
Phone: (415) 572-8800  
Fax: (415) 572-1685  
Available: Now

*Exceptional 32-bit ANSI-C development system combines with Win32, Win32s and Windows NT delivering unprecedented programming power for the creation and execution of native 32-Bit ANSI-C Windows NT applications.*

SVS nt/ANSI-C - X86 version 2.8.2 is AT&T UNIX V.4 pcc dialect compatible and ANSI-C compliant. SVS nt/ANSI-C is frequently used as the compiler of choice for generating highly efficient systems software, such as the UNIX kernel, utilities and popular graphics codes. The system includes a complete source level symbolic debugger capable of debugging combined language executables. SVS nt/ANSI-C has excellent compile-time, run-time performance and robust features set. SVS nt/ANSI-C is commonly used for operating systems, utilities, and other systems software. SVS nt/ANSI-C is specifically tailored and optimized to the Microsoft Windows NT system and Win32/ Win32s applications development.

Silicon Valley Software, 1710 S. Amphlett Blvd., Suite 100, San Mateo, CA 94402

**SVS nt/FORTRAN-77-X86**

Retail Price: \$660-\$825  
Contact: Tony Parkhill  
Phone: (415) 572-8800  
Fax: (415) 572-1685  
Available: Now

*Exceptional 32-Bit FORTRAN development system combines with Win32, Win32s and WindowsNT delivering unprecedented programming power for the creation and execution of native 32-Bit FORTRAN-77 WindowsNT applications.*

SVS nt/FORTRAN-77 - X86 version 2.8.2 implements the entire "full" language, as per the 1978 ANSI specification, with numerous extensions. SVS nt/FORTRAN-77 complies with ANSI X3.91 - 1978 and Mil-STD-1753. The system includes a complete source level symbolic debugger capable of debugging combined language executables. SVS nt/FORTRAN-77 is commonly used as an effective porting tool,

featuring extensions such as Double Precision Complex data type, value parameter passing, improved bit field operations, and ENCODE /DECODE. SVS nt/FORTRAN 77 is specifically tailored and optimized to the Microsoft NT system and Win32 /WIN32s applications development.

Symantec Corporation, 10201 Torre Avenu, Cupertino, CA 95014

**Zortech C++ For Windows NT**

Retail Price: \$499  
Contact: Neal Goldman  
Phone: (617) 280-2627  
(800) 999-8846  
Fax: (408) 255-3344  
Available: November 1992

*Superior 32-bit C and C++ compilers for Windows NT development. Available Today!*

Under the Symantec Windows NT Developers Program, customers get a head start learning and programming in the Windows NT environment. Customers receive a preliminary version of the Zortech C++ compiler for Windows NT, full documentation, free updates as the product is refined, and finished product to support the final release of the Win32 SDK. Zortech C++ for Windows NT offers ANSI C and AT&T C++ 3.0 support, pre-compiled headers and templates, multithreading, and advanced numerics, including NCEG and IEEE support. Zortech's mature global optimizer ensures tight, high-quality 32-bit code generation. Zortech C++ is also offered for 16 and 32-bit MS-DOS, Windows 3.x, OS/2 2.0, SCO UNIX and Macintosh.

Symantec/Multiscope, 10201 Torre Avenue, Cupertino, CA 95014

**Multiscope Debugger for Windows NT**

Retail Price: Call  
Phone: (800) 999-8846

The Multiscope Debuggers for Windows NT provides the same advanced debugging features found in Multiscopes Debuggers for Windows.

The South Bay Company, 47 Redhawk, Irvine, CA 92714

**Lingo**

Retail Price: \$495  
Contct: Lingo Product Manager  
Phone: (714) 786-9357  
(800) 992-0716  
Available: Second Quarter 1992

Lingo is a simple but powerful language with built-in number crunching and database capabilities. Lingo is easier than FORTRAN, COBOL, or BASIC but supports complex numbers, matrix operations, user interface objects, memory management, advanced string handling, and B+ tree database management—all intrinsic to the language. Lingo is truly object-oriented and was designed that way from the ground up. Source code runs unchanged under DOS text mode, Windows NT, and Windows 3.1, but Windows NT supports much larger arrays and matrices. Royalty-free runtime included; true .EXE output planned for Q4 1993.

The Workstation Group, 6300 N. River Road, Rosemont, IL 60018

**uni-XEDIT**

Retail Price: \$399  
Contact: Marlena F. Elias  
Phone: (708) 696-4800  
(800) 228-0255  
Fax: (708) 696-2277  
Available: November 1992

*uni-XEDIT is the only small platform Unix editor that leverages IBM mainframe user skills.*

uni-XEDIT is a Unix implementation of IBM's VM/CMS systems editor, XEDIT. It will provide an immediately productive editing environment for ISprofessionals with an IBMmainframe background. It is a full-screen, full feature text editor that can also be expanded by writing macro commands and macro prefix commands through the uni-REXXsystem control language. It includes a complete help system, and a full set of over 70 editor commands, including those for file processing, positioning, and data modification, "target" flexibility, multiple windows and more.

The Workstation Group, 6300 N. River Road, Rosemont, IL 60018

**uni-SPF**

Retail Price: \$399  
Contact: Marlena F. Elias  
Phone: (708) 696-4800  
(800) 228-0255  
Fax: (708) 696-2277  
Available: November 1992

*uni-SPF is a powerful Unix user interface patterned after the mainframe IBMISPF editor.*

uni-SPF is a Unix implementation of ISPF, IBM's popular user interface for the MVS/TSO and MV/CMS mainframe environments. uni-SPF provides a complete operating environment for the end user. It does not require detailed knowledge of the underlying Unix operating system. Tools and services provided include: panel driven user interface based on SAAstandard Dialog Management Services, hierarchical structure that groups similar tools and services for easy access, full function editor that is easily extensible with uni-REXXmacros, session customization for each user, and more.

The Workstation Group, 6300 N. River Road, Rosemont, IL 60018

**uni-REXX**

Retail Price: \$399  
Contact: Marlena F. Elias  
Phone: (708) 696-4800  
(800) 228-0255  
Fax: (708) 696-2277  
Available: November 1992

*A powerful system control language that is the only alternative to the Shell languages.*

uni-REXXis a Unix implementation of IBM's REstructured eXtended eXecutor language, REXX. This system control language is suitable for a variety of application development and system control tasks. Commands can be submitted for execution by other user applications. uni-REXX can also retrieve and process the resulting output from such commands and can thereby replace the Unix Shell programming language in the automation of basic Unix functions. Other features include absence of variable typing text parsing and string manipulation facilities, extensive tracing and debugging facilities and more.

Thompson Automation, 5616 SW Jefferson Portland, OR 97221

**Thompson AWK Compiler for Win32**

Contact: Craig A. Ralston  
Phone: (503) 224-1639  
(800) 944-0139  
Fax: (503) 224-3230  
Available: First Quarter 1993

*The Thompson AWK Compiler for Win32 makes simple Windows programs simple to program in Windows!*  
The Thompson AWK Compiler for Win32 makes it easy to produce professional quality Windows programs without requiring a detailed knowledge of Windows internals. However, compiled AWK programs still have direct access to Windows functions allowing custom control of the Windows environment and dazzling graphics. Compiled AWK programs can also be linked with C programs for even more flexibility and access to third party libraries. The Thompson AWK language is 100% compatible with the popular AWK language from AT&T, but with massive extensions for serious programmers. Money Back Guarantee.

Tower Technology Corp., 3300 Bee Caves Road, Suite 650, Austin, TX 78746

**TowerEiffel**

Retail Price: \$995  
Contact: Robert Howard  
Phone: (512) 328-6406  
(800) 285-5124  
Fax: (512) 328-0466  
Available: Fourth Quarter 1993

*The TowerEiffel compilation system makes Eiffel the natural choice for object-oriented programming in Windows NT.*

TowerEiffel is a highly optimized compiler and development environment for Eiffel 3, the highly acclaimed object oriented programming language with static typing, multiple inheritance, generics, and a powerful assertion mechanism. Eiffel is easy to master, yet provides advanced features that make it the natural choice for reliable object-oriented software development. TowerEiffel brings the elegance of the Eiffel language together with state of the art compilation techniques, profilers, a coverage analyzer, and automatic documentation tools to provide a practical development environment that fulfills the promises software re-usability and productivity on the Windows NT platform.

VITAL, 10755 Meadowglen Lane, #238, Houston, TX 77042

**CRISP**

Retail Price: \$199  
Contact: Gigi Mehrotra  
Phone: (713) 781-7406  
Fax: (713) 974-2354  
Available: November 1992

*Extremely powerful programmer's editor which is fully compatible with BRIEF and VI. Programmers from DOS and UNIX would not miss a beat on Windows NT.*

CRISP is a fully customizable text editor which is extremely powerful yet provides an amazingly user friendly editing environment. It provides complete emulations of BRIEF, WordStar, VI, EMACS in a windowing environment. CRISP has a superset of BRIEF compatible C like macro language and can run existing BRIEF/VI macros. CRISP recognizes both BRIEF and UNIX regular expressions. Template editing, unlimited undos, search & replace on rectangular regions, scroll locking windows etc. provide an environment which is hard to beat.





WATCOM, 415 Phillip Street Waterloo, ON N2L 3X2

**WATCOMFORTRAN77/386 for Windows NT Beta**

Retail Price: \$99  
Contact: Deanne Farrar  
Phone: (519) 886-3700  
(800) 265-4555  
Fax: (519) 747-4971  
Available: Now

*The leader in 32-bit development tools is now Beta testing Windows NT versions! The technology that built WATCOM's relationships with Autodesk, GO, IBM, Intel, Lotus and Novell is now available for Windows NT.*

WATCOM F77/386 for Windows NT facilitates the porting of FORTRAN apps from workstation and mainframe environments, taking advantage of 32-bit Windows NT. The mixed C and FORTRAN capabilities of WATCOM's professional languages allow you to create your own GUI front-end using C to exploit the graphical environment of Windows NT for your FORTRAN. Included is a Windows NT-hosted GUI debugger for debugging GUI, character mode, or multi-threaded apps as well as DLL's. Beta program participants can upgrade to the full FORTRAN 77/386 for \$399, enabling development of 32-bit MS-DOS, Windows 3.x, and OS/2 2.0 applications.

WATCOM, 415 Phillip Street, Waterloo, ON N2L 3X2

**WATCOM C/386 for Windows NT Beta**

Retail Price: \$99  
Contact: Deanne Farrar  
Phone: (519) 886-3700  
(800) 265-4555  
Fax: (519) 747-4971  
Available: Now

*The leader in 32-bit development tools is now Beta testing Windows NT versions! The technology that built WATCOM's relationships with Autodesk, GO, IBM, Intel, Lotus and Novell is now available for Windows NT.*

WATCOM C/386 for Windows NT Beta allows you to develop and debug true 32-bit Windows NT apps. Included is a Windows NT-hosted GUI debugger for debugging GUI, character mode, or multi-threaded apps as well as DLL's. Support is also planned for Win32s when available. C/386 is a 100% ANSI C compiler and provides a high level of compatibility with Microsoft C, facilitating the easy porting of existing apps. It is run-time compatible with WATCOM FORTRAN 77/386 for Windows NT. Beta program participants can upgrade to the full C9.0/386 for \$399, enabling development of 32-bit MS-DOS, Windows 3.x, and OS/2 2.0 applications.

**Tools/Core Development: Help Authoring Tools**

Blue Sky Software, 7486 La Jolla Blvd., Suite 3, La Jolla, CA 92037

**RoboHELP NT**

Retail Price: \$495  
Phone: (619) 459-6365  
(800) 677-4946  
Fax: (619) 459-6366  
Available: Now

*Fast Development of On-Line Help Systems Help Authoring Tool for Windows NT.*

RoboHELP turns Microsoft Word for Windows into a hypertext authoring system capable of producing Windows NT Help files as easy as plain text. RoboHELP guides you through all the necessary steps-you

just fill in the actual help text. It generates the H, HPJ and RTF files. You avoid the complexities of setting context strings, keywords, browse sequences, and hypertext links. RoboHELP generates source code for context sensitive help, cross references, indexes, topics, defined terms, pop up definitions, displaying graphics, bit-map hot links, etc. Programmers and non-programmers can develop a complete Help System under Windows 3.x. RoboHELP takes care of running the Help Compiler, and will test run your Help System. RoboHELP reduces the time it takes to create a Windows Help System by 95%. Highly recommended.

ImageSoft, Inc., 2 Haven Avenue, Port Washington, NY 11050

### **ExperTree**

Retail Price: Call  
Contact: Joshua Allen  
Phone: (516) 767-2233  
(800) 245-8840  
Fax: (516) 767-9067

*The expert systems and neural network management tools.*

ExperTree version 1.0 for expert systems and ExperNet version 1.0 for neural networks provide the developer with the opportunity to experience the challenge of expert systems and neural networks without enduring a long and tedious learning process. ExperTree and ExperNet are as easy to use as a spreadsheet.

ExperTree and ExperNet are the premier object-oriented tools for creating Windows-based knowledge application. Though easy to learn and use, ExperTree and ExperNet are powerful tools for building applications. ExperTree and ExperNet are suited for many applications including training, corporate policy dissemination/enforcement, help desks, interactive training, quality control, real-time trading analysis, and uniform sales strategies.

IRIS Media Systems, 1684 Locust St., Suite 1, 5  
Walnut Creek, CA 94596

### **Xantippe**

Retail Price: \$99 (US)  
Contact: Rodney S.K. Lai  
Phone: (510) 256-4673  
Fax: (510) 256-6353  
Available: July 1993

*A hypertext/hypergraphics authoring environment for the development of hypermedia documents.*

Xantippe allows the author to easily organize bits of information into a hypertextdocument. Xantippe encapsulates bits of information into electronic index cards. These cards can be categorized into file boxes. Hyperlinks can be created between related topics. Keywords can be attached to each card. Xantippe can create all the files (H, HPJ, RTF) needed by the Windows help compiler and run the compiler from within Xantippe to create the Windows help file. Xantippe gives the author all the tools to create electronic handbooks, help material, training material, and presentations in a hypermedia environment.

Sentient Software, PO Box 8713, Northridge, CA 91327

### **Objective Help**

Retail Price: \$129.95  
Phone: (818) 775-1591  
Available: April 1993

*Powerful object-oriented system for creating .hlp files quickly and easily for Windows NT. Intuitive interface allows creation and placement of help objects by building graphically displayed help trees.*

Objective Help - provides the non-programmer with the ability to quickly and easily create Windows NT compatible help files. Tree-based metaphor allows the structure of the help file to be intuitively created by the non-programmer. Allows for complete help file creation including placement of keywords, bitmaps, metafiles, and specification of text characteristics. Generates help project files and eases and makes consistent the maintenance of multiple projects. Optimized for Windows NT.

Third Eye Software, Inc., 750 Menlo Avenue, Suite 300, Menlo Park, CA 94025

### **Elexir® InterLink**

Retail Price: Call  
Contact: Diane Butler  
Phone: (415) 321-0967  
Fax: (415) 321-2066  
Available: Second Quarter 1993

*Painless hypertext - documents brought to life without publisher intervention.*

Elexir InterLink automatically identifies document cross-references and transforms them into dynamic interlinks within and/or between documents, requiring no additional action on the part of the publisher. Links are automatically regenerated each time the document is modified. Publishing document collections with Elexir Interlink provides text-activated dynamic linking and the full functionality of the Elexir Information Retrieval System. InterLink works with PostScript and all other Elexir-supported file formats. For additional information on Elexir, see the listing under "Server Applications; Imaging/Text Management".

### **Tools/Core Development: High Level Development Tools (non-compiler)**

Attachmate Corporation, 3617-131st Ave. SE, Bellevue, WA 98006

#### **Automation Development Kit for NT**

Retail Price: \$395  
Phone: (206) 644-4010  
(800) 426-6283  
Fax: (206) 747-9923  
Available: Second Quarter 1993

*Attachmate's Automation Development Kit (ADK) is a Win32 Development Tool that allows developers and power-users to quickly and easily write applications to automate mainframe access and interaction.*

Attachmate's Automation Development Kit (ADK) version 2.1 is a Windows NT Development Tool that allows developers and power-users to quickly and easily write applications to automate mainframe application interaction. Supports Visual Basic, Powerbuilder, Flashpoint, and Easel, as well as industry standards HLLAPI and EHLLAPI. Developers and power-users wishing to create advanced DDE applications will also find the ADK useful. Numerous examples, as well as extensive help and an on-line tutorial, combine to help developers complete their application in a minimum amount of time. The ADK will also support Microsoft's WOSA standard.

Blaise Computing Inc., 819 Bancroft Way, Berkeley, CA 94710

#### **Control Palette/NC for Windows NT**

Retail Price: Call  
Phone: (510) 540-5441  
(800) 333-8087  
Fax: (510) 540-1938  
Available: Second Quarter 1993

*Harness the power and sophistication of non-client painting in the Windows NT environment.*

Control Palette/NC for Windows NT is the perfect companion to the Control Palette custom controls. Easily construct your own non-client look (that area surrounding the client window). Define the system menu, caption bar and text, minimize and maximize buttons and borders or select from the many pre-defined styles. Stunning 3-dimensional effects including picture frames, justified caption text and system "icon" menus give your Windows NT application limitless visual capabilities. Use the extensions to the Microsoft Foundation Classes to effortlessly provide a sophisticated non-client look. Comes complete with source code.



Blaise Computing Inc., 819 Bancroft Way, Berkeley, CA 94710

### **Control Palette for Windows NT**

Retail Price: Call  
Phone: (510) 540-5441  
(800) 333-8087  
Fax: (510) 540-1938  
Available: Second Quarter 1993

*Exciting 3-dimensional custom controls for the Windows NT environment, including extensions to the Microsoft Foundation Classes.*

Control Palette for Windows NT is a collection of custom controls and a custom dialog box class that allows programmers to build sophisticated and attractive interfaces in C and C++. The controls are packaged as a DLL and include bit mapped and "glyph" push buttons, radio buttons, check boxes, "canvases", static text, toolbars and status lines. Superclassed versions of list boxes and edit controls provide complete control over their visual appearance. Use the MFC extensions to effortlessly incorporate these controls into your own object-oriented application. Comes complete with source code.

Blue Sky Software, 7486 La Jolla Blvd., Suite 3, La Jolla, CA 92037

### **VisualSQL NT**

Retail Price: \$4900  
Phone: (619) 459-6365  
(800) 677-4946  
Fax: (619) 459-6366  
Available: Now

*Prototyper and C Source code generator for creating Windows NT SQL Database Applications. The first and only tool to generate complete C source code for your SQL application design.*

Visual SQL offers the development speed of a 4GL and the performance of compiled code. Unlike other tools which use proprietary languages, Visual SQL generates C source code for SQL database applications and works with industry standard C/C++, or C compilers. Testing an application used to require compiling and linking before new code could be executed and tested. Visual SQL's powerful Preview mode lets you test run the application without having to compile and link. User code is preserved during code regeneration. While designing your data entry screens with the powerful screen painter in Visual SQL you can add database actions behind buttons and the various fields. Visual SQL generates source code for access to ORACLE, SQL Server, Integra SQL, dBase files and all databases supporting Microsoft ODBC.##

Blue Sky Software, 7486 La Jolla Blvd., Suite 3 La Jolla, CA 92037

### **WindowsMAKER Professional NT**

Retail Price: \$995  
Phone: (619) 459-6365  
(800) 677-4946  
Fax: (619) 459-6366  
Available: Now

*Fast Windows NT Development Award Winning Prototyper and C/C++ Code Generator. No royalties or runtime fees. "A particularly noteworthy product." - Bill Gates.*

WindowsMAKER Professional is the fastest visual prototyper and C/C++ code generation tool for developing Windows NT applications. New architecture uses Switch-It code generation modules for generating ANSI C, MFC C++ or OWL C++ code. Use your mouse to select and place the graphical objects that comprise a Windows application—it is a lot like using a paint program. Most developers experience an 80% time savings. A simulation mode enables users to test, preview and interactively make changes to the application. TrueCode technology ensures that user code is preserved during code regeneration. WindowsMAKER generates the Windows .EXE w/ exact, expert level, fully commented C or C++ source

code and production files (CUA & SAA compliant).



Blyth Software, 1065 E. Hillsdale Boulevard, Suite 300 Foster City, CA 94404

### **OMNIS Seven**

Retail Price: \$1,250  
Contact: Jeanne Bayless  
Phone: (415) 312-7100  
(800) 34-OMNIS  
Fax: (415) 571-1132

*Blyth's OMNIS Seven Integrated Environment is the choice of corporate/independent developers who build powerful, easy to use applications that run interchangeably between Macs and PC's.*

OMNIS Seven version 1.03 is an application development environment. Its technology centers around seven building blocks. These building blocks enable developers to create, store, access, manipulate and present diverse data types from a variety of sources. OMNIS building blocks include the following: 1) GUI builder; 2) 4GL language; 3) SQL Connects; 4) Data Manager; 5) Report Writer; 6) Extensions; and 7) Cross Platform compatibility. Written in C++, OMNIS Seven includes a new debugger and an ad hoc report writer.

OMNIS Seven has not only the power to build sophisticated applications, but also the flexibility to connect to almost any network environment.

Caseworks, One Dunwoody Park, Suite 130,,Atlanta, GA 30338

### **CASE:W VIP**

Retail Price: \$2,995  
Phone: (404) 399-6236  
(800) 635-1577  
Fax: (404) 399-9516  
Available: First Quarter 1993

*Modular Interface Design and Code Generation Tool (in C, ObjectWindows and MFC) for Workgroup Development of Client/Server Applications.*

CASE:W VIP (Visual Integration Platform) is a high-level interface design and code generation tool for Windows NT. CASE:W VIP provides modular interface designers to build the graphical interface component of client/server applications. CASE:W generates the exact source code in C, ObjectWindows or MFC required for the interface. CASE:W VIPs' modular architecture is ideal for development teams, and provides component re-use at the design level. CASE:W VIP is the "core product" in CASEWORKS client/server product line, and provides an extensible architecture to integrate additional CASEWORKS designers for database access (SQL) and advanced graphical environments (multimedia, DDE and OLE).

Compass Point Software, Inc., 332A Hungerford Drive, Rockville, MD 20850

### **application: : ctor**

Retail Price: \$99  
Contact: Andrew Evans  
Phone: (301) 738-9109  
Fax: (301) 738-9134  
Available: Second Quarter 1993

*application::ctor was designed to take full advantage of the the power of C++, and to relieve the software engineer of the complex GUI development issues associated with the Windows NT environment.*

application::ctor(pronounced "Application Constructor") is the first development tool to combine powerful graphical interface building capabilities with the speed and depth of C++. This is not a C tool re-worked for your C++ compiler. It offers the power of C++ while relieving the developer of the complex GUI development issues associated with Windows NT. Included is an intuitive, object-oriented "View Editor", a user-interface class library and a C++ class browser. Developers can easily build true Windows NT applications that take advantage of features like Multiple Document Interface (MDI) with their favorite C++

compiler.

Computer Associates , One Computer Associates Plaza, Islandia, New York 11788

**CA-Realizer**

Retail Price: Call  
Phone: (800) CALL-CAI  
Available: First Quarter 1993

*Powerful 32-bit BASIC application development system with high-level tools combines with Windows NT to deliver unprecedented programming power*

Described as the fastest way to develop applications for all versions of Windows, CA-Realizer saves weeks of effort by including mini-applications such as charts, spreadsheets, text editors, serial communications, animation, scheduling, and more. The powerful, easy-to-learn structured superset of BASIC facilitates the porting of QUICKBASIC applications to Windows and Windows NT quickly and easily. CA-Realizer includes an integrated debugger, visual application and form designer, support for DDE and DDLs, direct importing and exporting of Lotus 1-2-3, Microsoft Excel and Xbase files, and an unlimited royalty-free runtime.

Cooperative Solutions, Inc., 2125 Hamilton Avenue, Suite 100, San Jose, CA 95125

**Ellipse**

Retail Price: \$7,500  
Phone: (408) 377-0300  
(800) 4ELLIPSE  
Fax: (408) 377-7504  
Available: Second Quarter 1993

*Production-Quality Client/Server Applications Automatically.*

Ellipse is the only product designed to deliver mainframe-class application integrity and reliability in client/server environments. In an integrated environment, Ellipse marries the productivity of a graphical development environment with a system software layer that automatically adds the robustness and quality needed by production applications. Full-function integrated lifecycle management facilities, including version control and configuration management, allow effective project team development and precise control of application deployment.

Coromandel Industries, Inc., 70-15 Austin Street, Third Floor, Forest Hills, NY 11375

**QBESion for Windows NT**

Retail Price: \$900  
Contact: Param Parameswaran  
Phone: (718) 793-7963  
(800) 535-3267  
Fax: (718) 793-9710

*QBESion for Windows NT provides end user query, reporting and application development power for Server and standalone databases.*

QBESion for Windows NT is a native 32 bit implementation. It can be used either as a powerful end user query and reporting tool or as an application development tool. QBESion supports: SQLServer, Sybase, Oracle and Integra database backends, Both synchronous and asynchronous query execution, An integrated forms painter and scripting language, A report painter and a set of report scripting funtions, A database administration tool.

Easel Corporation, 25 Corporate Drive, Burlington, MA 01803

**EASEL Workbench®**

Retail Price: Call  
Contact: Chris Brookins  
Phone: (617) 221-2100  
Fax: (617) 221-3099

*An advanced, integrated development environment for building client-server applications.*

EASEL Workbench is an advanced, integrated development environment for building client-server applications as well as renovating existing host applications with graphical user interfaces. The toolkit incorporates a suite of visual programming tools, code-generation capabilities and an incremental compiler. Also included are a production compiler and an EASEL Windows runtime for final testing. When Windows NT ships, you'll be ready to deliver great applications by harnessing the power of EASEL Workbench plus the EASEL Windows NT production compiler. With this potent combination, you can take full advantage of Windows NT's scalable, 32-bit API architecture and get unsurpassed productivity from your application programmers. And you'll be able to port your existing Windows and OS/2 applications over to Windows NT quickly and easily.

ENFIN Software Corporation, 6920 Miramar Road, Suite 307 San Diego, CA 92121

**Enfin/3 NT**

Retail Price: Call  
Phone: (619) 549-6606  
(800) 922-4372  
Fax: (619) 549-6798

*32-Bit client-server Object-Oriented Application Development Environment.*

Enfin/3 NT version 1.0 was designed as a full 32-bit Object-Oriented Application Development Environment to be used with Windows NT. Enfin/3's visual programming tools significantly enhance programmer productivity by allowing the interactive development of user interfaces, reports, database front ends and financial/mathematical models. Once the developer has finished defining an application segment, the object-oriented source code is automatically generated in ASCII format. Links between SQL database tables and queries and Enfin/3 screen forms and reports are accomplished through the point and click of the mouse.

Eric Smith's Software, 15253 Hesperian Blvd., Suite 3-47 San Leandro, CA 94578

**C++ Clarifier**

Retail Price: Call  
Available: First Quarter 1993

*C++ Clarifier — A very useful tool for C++ programmers.*

Purpose of C++ Clarifier: When your C++ source code seems correct but the compiler gives you error messages that don't make sense and/or error messages that seem to be out of context, you can use C++ Clarifier to quickly find out exactly what is wrong. It uses an extraordinarily high quality parser designed especially for parsing C++ code fast. This parser gives accurate error messages which show the real causes of even the most complicated and subtle errors. It's the same parser that will be used in future products which will become components of the world's best C++ development environment.

Flexus International Corporation, PO Box 640, Bangor, PA 18013-0640

### **COBOL spII**

Retail Price: \$795  
Contact: Robert Wolfe  
Phone: (215) 588-9400  
Fax: (215) 588-9475  
Available: November 1992

*COBOL spII is a user interface development tool designed specifically for professional COBOL programmers to easily build advanced character based or Graphical User Interface (GUI) screens for Microsoft COBOL programs.*

COBOL spII supports the development of Microsoft COBOL application screens which can run transparently in character based or graphical user interface based environments. COBOL spII supports MS-DOS, Microsoft Windows, OS/2, UNIX character-based terminals, Open Look and Motif. All programming is done in standard COBOL syntax. The COBOL spII development system includes an interactive screen painter, system prototyper and code generator. Add-on tools assist in screen translation for national language support, importation of CICS BMS macros and displaying bit mapped images from a COBOL application.

Graphitti Software, 1070 N Adler Avenue Clovis, CA 93611

### **MacroMaker for Microsoft Excel 4.0**

Retail Price: \$199  
Contact: Steve Shaw  
Phone: (209) 299-7849  
(800) 484-1111 ext 0419  
Fax: (209) 299-1143  
Available: Now

*Create Microsoft Excel macros with aid of powerful but easy to use programming tool.*

Without having to know how to program, Macro Maker allows Microsoft Excel users to untap the macro power of Microsoft Excel 4.0. Through easy to follow Dialog Boxes, the macro novice can define menus and develop powerful Microsoft Excel applications. Included with Macro Maker is a library of the most useful macro applications. With Macro Maker, the macro beginner becomes a macro master, thus unlocking the true power of Microsoft Excel!

GUIDance Technologies, Inc., 800 Vinial Street, Pittsburgh, PA 15212

### **Choreographer®**

Retail Price: \$7,500  
Contact: Barton J. Krauss  
Phone: (412) 231-1300  
Fax: (412) 231-2076

*Choreographer is the most powerful and open tool for downsizing business-critical applications to exploit GUI and client-server architectures.*

Choreographer® version 2.3 is the most powerful and open tool for corporate GUI and client-server application development. It includes facilities for designing, implementing, delivering, maintaining and managing large, business-critical applications. Choreographer's facilities for team development, source code management and runtime delivery allow unique flexibility in coordinating development teams and maintaining delivered application. The choreographer language is a full, dynamically bound object-oriented language designed for easy learning and easy use by mainframe COBOL programmers. Choreographer components are easily integrated with COBOL, C or any standard language; choreographer can call code written in those languages or you can call Choreographer from those languages.



Guild Products, Inc., 1301 Shoreway Road Belmont, CA 94002

### **GUILD**

Retail Price: \$2,995

Contact: Bjorn Frogner

Phone: (415) 593-3200

Fax: (415) 595-8158

Available: Now

*High level GUI tool for development of portable graphical user interfaces by professional C application developers.*

Develop the user interface by point and click and write the application code in C/C++. Manage messages and respond to events by point-and-click. Access data from relational databases; e.g., using ODBC. Use on-line test and debugging facilities to reduce compile, link and test cycle. User interfaces developed in GUILD are portable between all the commonly available window managers: Windows 3.1 and Windows NT, UNIX/Motif, OS/2 and Macintosh.

Gupta Corporation, 1060 Marsh Road Menlo Park, CA 94025

### **SQLWindows**

Retail Price: \$1,595

Phone: (800) 876-3267

Fax: (415) 321-5471

Available: Fourth Quarter 1993

*A complete database application development system supporting Windows NT for high-performance, 32-bit graphical client-server applications.*

Programmers will be amazed at how easy it is to turn out powerful, mission-critical client-server applications with SQLWindows. Select icons from SQLWindows' Tool Palette. Then, specify actions (code) with Gupta's SQLWindows Application Language (SAL), which makes nearly all of your code options automatically available in a feature-rich, modeless environment. SQLWindows applications access leading SQL DBMSs, including SQLBase, SQL Server, DB2, AS/400, OS/2 Database Manager, ORACLE, HP ALLBASE/SQL and HP TurboIMAGE. Use SQLWindows with Quest, Gupta's data access tool, to easily integrate new reports into your custom applications.

Horizons Technology, Inc, 3990 Ruffin Road, San Diego, CA 92123

### **Fuzzy Search Engine**

Retail Price: Call

Contact: Dick Beedon

Phone: (619) 292-8331

Available: December 1992

*Based upon a unique "fuzzy" algorithm, the Fuzzy Search Engine enables an application to search for and find text despite missing, extra, or out of position characters.*

The Fuzzy Search Engine is based upon the concept of "fuzzy" searching, which is a syntax-friendly way of finding and retrieving text. Often a user will have difficulty finding files or text in a large file due to Scanning/OCR errors, misspellings, hard to spell technical words or proper nouns. The Developers kit allows application developers to embed Fuzzy Search functionality into any MS-DOS or Windows application. Functionality included: adjustable fuzzy searching; non-indexed or pre-processed (indexed) searching; single word or phrase; conditional/Boolean logic (and, or, not); proximity searching, special fuzzy searching "tuned" to OCR-input text; contains both a DLL and object code library compatible with Microsoft C6.0/7.0, Borland C++ 3.0/3.1 and the Windows SDK. The Engine is optimized to the Microsoft Windows NT system.





Inference Corporation, 550 N Continental Blvd., El Segundo, CA 90245,

**CBR Express/NT**

Retail Price: \$595-\$9,995  
Contact: Alan J. Lundberg  
Phone: (310) 322-0200  
Fax: (310) 322-3242  
Available: Second Quarter 1993

*Application development shell for creating and accessing case base repositories of organizational experience. Industry leading solution for complete help desk automation. Also used for task assistance, information access, and knowledge publishing.*

CBR Express/NT is an exciting tool recognized as the latest advance in knowledge-based systems technology. Case Base Reasoning is a powerful method for providing users access to consistent answers from unstructured information based on an organization's learned "cases" or experience. Inference's CBR Express uses natural language input to create, store, and retrieve cases that represent an organization's knowledge assets such as corporate policies or rules, case histories, legal precedents, or any other type of discrete objects that need to be stored and retrieved quickly. To deliver this information to end users or customers, Inference's CasePoint provides high speed, read-only access to case bases.

Inference Corporation, 550 N Continental Blvd., El Segundo, CA 90245

**ART-IM /NT**

Retail Price: \$8,000  
Contact: John Knightly  
Phone: (310) 322-0200 Ext: 382  
Fax: (310) 322-3242  
Available: First Quarter 1993

*Fully object-oriented tool that brings point-and-click technology to the building of application infrastructures linking databases and GUI's with a powerful object system that integrates rules and case-based reasoning.*

ART-IM /NT's object-oriented architecture supports mouse and menu-driven development of robust applications in client/server and distributed processing environments. ART-IM /NT offers an advanced set of object-oriented features including a complete set of application generators that automate connections between the GUI, object model and database; fully automated integration with multiple industry standard databases; a complete, built-in, reusable and fully portable class library of GUI objects; application portability across multiple platforms; and integrated advanced technologies: rule-based, case-based and hypothetical reasoning.

INTERSOLV, 3200 Tower Oaks Blvd., Rockville, MD 20852

**Excelerator II NT**

Retail Price: \$9,500  
Contact: Beverly Kimble  
Phone: (301) 230-3200  
Fax: (301) 984-3047  
Available: Third Quarter 1993

*Windows NT Planning, Analysis, and Design for Windows NT and LAN-based Development.*

INTERSOLV's Excelerator II NT (XL/II) is the next generation of Planning, Analysis, and Design tools, Designed to exploit Windows NT and LAN-based development environments, XL/II supports multiple methodologies for creating IS applications. In addition to built-in support for many popular methodologies-including Structured Analysis and Structured Design, SSADM, Merise, and Information Engineering XL/II takes advantage of the INTERSOLV LAN Repository's Customizer, which lets you tailor any methodology to individual requirements. Excelerator II NT is optimized to the Microsoft Windows NT

system and Win32 applications development.

JPNAssociates, 5848 Acacia Circle, Suite A120, El Paso, TX 79912

### **I S E EIFFEL 3 for Windows NT**

Retail Price: Call  
Contact: Chacko Kurian  
Phone: (915) 584-3020  
(800) 594-0201  
Fax: (915) 584-2160  
Available: Second Quarter 1993

*Second generation OBJECT-ORIENTED software development environment and toolset to build large scale commercial application systems.*

I S E EIFFEL 3 for WINDOWS NT consists of integrated components and libraries, based on the EIFFEL object oriented language, enabling a seamless approach to robust software development. The toolset consists of EIFFELBENCH - a programmers workbench, EIFFELBUILD - an interactive application and GUI builder, EIFFEL VISION - a graphics library for various windowing environments, EIFFELSTORE - a class library to interface with relational and O-O DBMSs, EIFFELBASE - basic EIFFELlibraries providing hundreds of well tested, re-usable components and EIFFELLEX - a library for lexical analysis.

JYACC, Incorporated, 116 John Street, New York, NY 10038

### **JAM/ReportWriter**

Contact: Darryl Zack  
Phone: (212) 267-7722  
Fax: (212) 608-6753  
Available: Third Quarter 1993

*JAM/ReportWriter.*

JAM/ReportWriter is an add-on product for JAM from JYACC, the leading application development tool. JAM/ReportWriter gives developers a powerful tool for creating production-level reports. Developers use JAM/ReportWriter to paint report sections including page and break-level headers and footers, detail sections, etc. Additionally, developers can reuse report sections created with JAM/ReportWriter. Reports can be called from a JAM application, from 3GL functions or from the operating system. Report sections can embed SQL or 3GL function calls for subsidiary details or calculations. There are no runtimes for applications created with JAM/ReportWriter.

JYACC, Incorporated, 116 John Street, New York, NY 10038

### **JAM**

Contact: Darryl Zack  
Phone: (212) 267-7722  
Fax: (212) 608-6753  
Available: Third Quarter 1993

*JAM from JYACC is the leading application development tool that is completely portable over 100 platforms, 10 operating systems, 21 databases and multiple presentation environments. JAM from JYACC is the only open systems development that never charges runtimes.*

JAM consists of a powerful screen editor, an integrated data dictionary and a comprehensive sub-routine library for user-defined functions that allows programmers to create large, complex interactive applications with ease. Using JAM's authoring tools developers can specify the layout and visual attributes of screens, define character and field level edits and validations and create and link together screen, window and menu objects — all without writing any code. Using an add-on product, JAM/DBi, developers have full SQL access to 21 databases. There are no runtimes.

JYACC, Incorporated, 116 John Street, New York, NY 10038

### **JAM/Presentation**

Contact: Darryl Zack  
Phone: (212) 267-7722  
Fax: (212) 608-6753  
Available: Third Quarter 1993

#### *JAM/Presentation Interface.*

JAM/Presentation interface from JYACC gives JAM applications the native look-and-feel of character, block-mode, Motif, or MS Windows environments. JAM is shipped with support for character-based applications. By adding JAM/Pi, form objects are converted into the native widgets of a particular GUI. Users get real GUI “look-and-feel” — not an emulation. Developers can build and use their own widgets. In addition, JAM/Pi can integrate GKS, ReGIS or other graphical packages into JAM applications. There are no runtimes with JAM or JAM/Pi.

JYACC, Incorporated, 116 John Street, New York, NY 10038

### **JAM/DBi**

Contact: Darryl Zack  
Phone: (212) 267-7722  
Fax: (212) 608-6753  
Available: Third Quarter 1993

#### *JAM/DBi.*

JAM/DBi is an add-on product for JAM from JYACC, the leading application development tool. JAM/DBi provides host or client-server access to 21 databases including Oracle, Sybase, Ingres, Informix and Rdb. JAM/DBi takes full advantage of the extended features of a database in addition to supporting ANSI SQL. There are no restrictions on simultaneous access of multiple tables in a form. Multi-row fetches are done in batches to reduce communication overhead. Developers have complete control over error handling. There are no runtimes for JAM/DBi-based applications.

Knowledge Garden Inc., 12 - 8 Technology Drive, Setauket, NY 11733

### **KPWin For NT**

Retail Price: \$1295  
Contact: Brian Pioreck  
Phone: (516) 246-5400  
Fax: (516) 246-5452  
Available: October 1992

*Visual programming, hypertext and expert systems capability integrated with a high-level OOP language.* KPWin for NT is a 32bit version of the award winning KnowledgePro for Windows development environment for Windows 3.1. The system provides easy-to-use visual programming tools with a powerful object-oriented language below. Hypertext and expert systems capability is included to make this a full-featured development tool for the the NT platform. Extensions are available or planned to give developers access to multiple SQL formats and to permit C++ code generation. All visual tools are written in KPWin and supplied with source code. DDE and DLL are supported

KnowledgeWare, Inc., 3340 Peachtree Road NE, Atlanta, GA 30326

### **Flashpoint**

Retail Price: Call  
Phone: (404) 231-8575  
Fax: (404) 364-0522

*Flashpoint is a Windows-based software development tool to create graphical user interfaces for existing host-based applications.*

With Flashpoint version 3.0, information systems professionals can quickly and easily develop Windows-based user interfaces to existing host-based business applications, aiding the transition toward client/server computing. IS professionals can easily provide their end-users with the productivity and usability benefits of Windows user interfaces, without changing the existing host application. Flashpoint facilitates the visual synthesis of multiple applications, yielding the look and feel of an integrated system. Its “point and click” development style makes the tool easy to learn and use. In addition, Flashpoint handles communications and terminal emulation so programmers do not need to learn PC-to-mainframe communications protocols. Flashpoint is offered by KnowledgeWare, one of the world’s leading vendors of applications development tools.

KnowledgeWare, Inc., 3340 Peachtree Road NE, Atlanta, GA 30326

### **Accesspoint**

Retail Price: Call  
Phone: (404) 231-8575  
Fax: (404) 364-0522  
Available: Now

*Accesspoint is a Windows-based tool for querying and reporting on information stored in DB2 or a variety of SQL server database management systems.*

IS professionals want to provide timely response to decision makers’ frequent requests for ad hoc information retrieval. These requests may call for data from several databases distributed around the enterprise. Accesspoint version 1.0 is a fast and easy way to present on a PC information from one or more databases that are stored on the mainframe or on a LAN. Via “point and click” commands, users can create queries and then manipulate the results graphically on the PC. Accesspoint is offered by KnowledgeWare, one of the world’s leading vendors of applications development tools.

Logic Works, Inc., 214 Carnegie Center, Suite 112,,Princeton, NJ 08540

### **ERwin/ERX**

Retail Price: \$1,995  
Contact: Barbara Bogart  
Phone: (609) 243-0088  
Fax: (609) 243-9192

*ERwin/ERX is a graphical database design/re-engineering tool for SQL database professionals.*

Logic Works ERwin/ERX version 1.1 is an Entity-Relationship database design and re-engineering tool that helps you quickly design your database using an intuitive, graphical approach. It generates complete SQL CREATE TABLE and CREATE INDEX code for SQL Server, SYBASE and other SQL databases directly from your design. ERwin/ERX combines quality graphics and a powerful ER design method in the Windows environment. Because ERwin understands entities, relationships, primary and foreign keys, the final design is free of the errors that can result from using less sophisticated tools. ERwin/ERX can build a model by reverse-engineering your existing SQL DDL scripts, helping you perform such tasks as maintaining and enhancing your existing databases or migrating your application from one DBMS to another. .



Micro Data Base Systems, Inc., Two Executive Drive, PO Box 6089, Lafayette, IN 47903-6089

### **Object/1 v3.0**

Retail Price: \$3,995  
Contact: Denise Buhrmester  
Phone: (317) 447-1122  
(800) 344-MDBS  
Fax: (317) 448-6428  
Available: January 1993

*Significant Enhancements Make New Version of Objects/1® a 32-bit Application.*

Object/1 is the premier tool for developing applications in graphical environments such as Windows and Presentation Manager. Graphical User Interfaces (GUIs) can be constructed at amazing speeds using the Object/1's Forms Painter. Direct access to MDBS IV, Microsoft SQL Server, and IBM Data Base Manager can be provided by Object/1 Professional Packs. In addition, Object/1's own full featured relational database, TBL, is included. A pure object-oriented programming language using C++- like syntax forms the core of Object/1. The source code for thousands of methods is provided. The Object/1 Application Distribution System (ADS) is necessary for the distribution of applications built with Object/1. The Object/1 ADS is designed to optimize a developer's application image or executable file and once purchased allows royalty free application distribution.

MicroQuill Software Publishing, Inc., 4900 25th Avenue, #206 Seattle, WA 98105

### **DeMystifiers**

Retail Price: \$149  
Contact: Tom Marvin  
Phone: (206) 525-8218  
(800) 441-7822  
Fax: (206) 525-8309  
Available: Now

*DeMystifiersToolkit for watching messages, memory, handles, classes... Like Spy/Heapwalker/Winsight, but more and better.*

Eliminate message overload — select individual or groups of messages, even "User Defined" messages. Decodes wParam and lParam into text information, eliminating look up in SDK Ref. Shows message values before, after, or both. Illuminates modules, tasks, global and local heaps in exact hierarchy Windows uses. Navigate the memory hierarchy revealing as much or little detail as desired. Unlike Heapwalker, DeMystifiers only rewalks on your demand. Provides data on window classes, instances, and handles, GDI display/device capabilities, environment settings, and screen detail. Stunning reviews/comments!

Mozart Systems Corporation, 1350 Bayshore Hwy., Burlingame, CA 94010

### **MOZART**

Retail Price: \$8,000  
Phone: (415) 340-1588  
Fax: (415) 340-1648  
Available: Now

*Mozart Systems' Progressive Application Renovation is designed to enable companies to modernize host applications with a powerful graphical interface.*

With Progressive Application Renovation and its primary tool, MOZART version 3.1, companies can achieve many key advantages of client-server computing immediately with their existing platform technology. Moreover, the Progressive Application Renovation approach leaves open all major options for future architectures. Progressive Application Renovation can help you significantly reduce ongoing maintenance costs. Using MOZART 3.1's advanced functionality, developers have modified applications in a fraction of the time required in different environments. It is a true multi-platform tool; all applications developed with MOZART 3.1 run transparently without modification under Windows NT, Windows, MS-

DOS, OS/2 2.0. The system also includes SQL support for major relational database management systems.



MUST Software International, 101 Merritt 7, Norwalk, CT 06856

**NOMAD for Windows**

Retail Price: \$795  
Contact: Roger Cox  
Phone: (203) 845-5000  
Fax: (203) 845-5252  
Available: Fourth Quarter 1993

*PC 32-bit, object-oriented, graphical application development tool for the development and delivery of standalone or distributed, client/server applications.*

NOMAD for Windows, version 4.0, is optimized for the Windows NT based system and for Win32 applications development. It allows 32-bit applications to run on both Windows 3.1 and Windows NT. NOMAD for Windows provides complete application development through NOMAD's Workbench environment for creating databases, painting forms and reports through WYSIWYG-style tools. Popular database servers are supported in client/server mode including Microsoft's SQL Server. DDE and communications to mainframes are available.

Netlogic, Inc., 915 Broadway, Suite 1708, New York, NY 10010

**Cezanne**

Retail Price: \$1,495  
Contact: Craig Christy  
Phone: (212) 533-9090  
(800) 638-0048  
Fax: (212) 533-9524  
Available: February 1993

*RAD tool for mission critical applications!*

Netlogic's Cezanne version 1.0 is a Rapid Application Development Tool that optimizes the creation of complex mission critical business information solutions. Cezanne is designed to help you easily create applications that require the ability to manage widely distributed data; distributed processing; to quickly and efficiently downsize mainframe applications; real-time data needs; workflow automation; and groupware functionality.

Our intensive set of high level objects (SQL, Communication, Local database ties, Slide Show, 3D Graphs, Grid Objects) make writing complex applications a snap. Cezanne also supports all VB third party extensions. Cezanne includes a screen painter, editor, debugger, compiler and can create install disks.

Nevis Technologies, Inc., 20797 Rock Point Way, Malibu, CA 90265

**Nevisys NT**

Retail Price: \$9,500  
Contact: Richard B. Ghastin  
Phone: (310) 338-0257  
Fax: (310) 338-8563  
Available: June 1993

*Graphical client/server development tools running on Windows NT for building enterprise-wide applications.*

Nevisys NT facilitates the creation and testing of Windows applications across an enterprise-wide network where the application layer may be requesting data from a local SQL database, a host database or another Windows application.

Neuron Data, 156 University Avenue, Palo Alto, CA 94301

### **Neuron Data Open Interface**

Retail Price: Call  
Contact: Sales  
Phone: (415) 321-4488  
(800) 876-4900  
Fax: (415) 321-3728  
Available: Second Quarter 1993

*Neuron Data Open Interface is an object-oriented software development tool for building graphical user interfaces (GUIs) which are portable across the industry standard windowing environments, including Microsoft Windows NT.*

Open Interface provides a super set of the functionality and widgets offered by the native toolkits. The toolkit can also be extended by building custom widgets or controls that are portable to all environments. The Open Interface consists of an Open Editor and a set of libraries for each windowing environment. The Open Editor is WYSIWYG interface builder that allows a developer to draw the application interface and then generates portable resource files and C code. Porting an application is a simple matter of moving the resource files and C code to the new platform, and then recompiling and relinking. Windowing environments supported include Microsoft Windows, Motif, Openlook, Presentation Manager and the Macintosh.

Objects, Inc., 99 Rosewood Dr., Danvers, MA 01923

### **Layout 3.0 For Windows NT**

Retail Price: \$299.95  
Contact: Melissa Swinnerton  
Phone: (508) 777-2800  
(800) 424-6644  
Fax: (508) 777-0180  
Available: Second Quarter 1993

*Layout, the most advanced desktop programming tool for PCs, allows both programmers and non-programmers to build complete applications without using a traditional computer language.*

Instead of typing commands in a computer language or a scripting language, Layout allows users to manipulate actual on-screen objects to create a diagram that represents the program. Then, Layout creates ready-to-run .EXE files or programs in C (and, under DOS, Pascal and Basic) from that diagram. Objects, Inc. charges no royalties for programs created by Layout.

Layout mixes the power of CASE with the ease of use of graphical user interfaces and combines advances in hypertext database technology with the sophistication of object oriented programming.

Phar Lap Software Inc., 60 Aberdeen Avenue, Cambridge, MA 02138

### **QuickStart for Windows NT**

Retail Price: FREE (limited time)  
Contact: Sales Department  
Phone: (617) 661-1510  
Fax: (616) 876-2972  
Available: Now

*QuickStart for Windows NT allows developers to build 32-bit Windows NT applications in their familiar MS-DOS environment.*

QuickStart enables developers to start writing Windows NT applications immediately by running Microsoft's standard Windows NT tools (32-bit C/C++ compiler, linker and resource compiler) under MS-DOS. Based on Phar Lap's award-winning MS-DOS extender technology, QuickStart is designed to ease the transition to Windows NT. Because QuickStart runs in the familiar MS-DOS environment, programmers can run the Windows NT tools in conjunction with their favorite MS-DOS editors, utilities,

source control systems and network software. Debugging, of course, must be done on the Windows NT system.

Phar Lap Software Inc., 60 Aberdeen Avenue, Cambridge, MA 02138

### **TNT/DOS-Extender**

Contact: Sales Department  
Phone: (617) 661-1510  
Fax: (616) 876-2972  
Available: First Quarter 1993

*TNT|DOS-Extender enables developers to write console-based Windows NT applications that will run under MS-DOS and Windows 3.1.*

With Phar Lap's new TNT|DOS-Extender, developers can use Microsoft's 32-bit C/C++ compiler to write character-based Windows NT applications that will run under MS-DOS and Windows 3.1. This next-generation MS-DOS-Extender allows developers to build applications for the MS-DOS market today that will be ready to run as native Windows NT applications tomorrow. TNT|DOS-Extender also supports dynamic link libraries (DLLs) and threads, and allows multiple Extended-MS-DOS applications to share a single copy of the MS-DOS-Extender in memory.

Pioneer Software, 5540 Centerview Drive, Suite 324 Raleigh, NC 27606

### **Q+E Database/VB for Windows NT**

Retail Price: \$199  
Contact: Inside Sales  
Phone: (919) 859-2220  
(800) 876-3101  
Fax: (919) 859-9334

*Point and click your way to powerful, multi-user database applications in record time with Q+E Database/VB, MS Visual Basic, and Windows NT!*

Q+E Database/VB is a complete multi-user database designed specifically for Microsoft Visual Basic. Q+E Database/VB adds a set of Custom Controls to the VB toolbar allowing you to build database applications without writing any code. It includes a database management utility that enables users to view, create, modify, and delete database files and indexes. Q+E Database/VB supports record locking, transaction processing, and 256 color bitmaps — and it's dBASE compatible. The combination of Q+E Database/ VB and Windows NT delivers unprecedented database application development power to the end-user. Create database applications at the click of a button, then distribute them ROYALTY FREE!

Pioneer Software, 5540 Centerview Drive, Suite 324, Raleigh, NC 27606

### **Q+E DataLink/OV for Windows NT**

Retail Price: \$399  
Contact: Inside Sales  
Phone: (919) 859-2220  
(800) 876-3101  
Fax: (919) 859-9334

*Q+E DataLink/OV allows you to build complete Windows NT Client/Server database applications with ObjectVision!*

Q+E DataLink/OV is a set of self registering ObjectVision @Functions that enables you to link your application to all major database systems. With Q+E DataLink/OV, Windows NT, and ObjectVison you can build complete Client/Server database applications, generate reports, create customized data entry forms, execute batch updates, or perform any other database operation - ROYALTY FREE! The database formats currently supported by Q+E DataLink/OV include: Btrieve, dBASE, DB2, Microsoft Excel files, INGRES, NetWare SQL, Oracle, OS/2 DBM, Paradox, SQL/400, SQLBase, SQL/DS, SQL Server, Sybase, Tandem NonStop SQL, text files, and XDB.



Plexus Software, 1310 Chesapeake Terrace, Sunnyvale, CA 94089

### **Plexus Application Designer**

Contact: Susan Malmgren  
Phone: (408) 743-4300  
Fax: (408) 747-1245  
Available: Fourth Quarter 1993

*Plexus Application Designer (AD) is a high level software development platform for high performance compound data and workflow applications incorporating document images and other unstructured data. AD is a professional development environment consisting of a set of graphical user interface builder and 4GL tools for Microsoft Windows that provides high level support for complex data, user interface management, and libraries of functions supporting SQL database access, image handling, fax, OCR, and mainframe communications. AD allows VARs, OEMs, and sophisticated end-users to develop customized client/server RDBMS applications that allow the capture, manipulation, storage, and retrieval of image information as an adjunct to existing business information systems.*

Pocket Soft, Inc., 7676 Hillmont, Suite 195, Houston, TX 77040

### **VMData for Windows**

Retail Price: \$495  
Contact: Byron Reese  
Phone: (713) 460-5600  
(800) 826-8086  
Fax: (713) 760-2651  
Available: July 1992

*VMData dynamic memory management solves allocation problems and provides highly optimized, efficient use of Windows memory. This results in a substantially faster and more stable Windows executable. VMData is a Windows DLL. It automatically takes care of all the messy low-level details of creating efficient and reliable performance in all Windows modes. With VMData, you adhere strictly to the Windows memory-management rules without even thinking about them. Your program will automatically make the best use of all the types of memory available. VMData removes all restrictions on number and amount of memory allocations. You can manage up to 128 megabytes of data without giving a second's thought to the complexities of working with the assorted Windows global heap issues.*

Powersoft Corporation, 70 Blanchard Road, Burlington, MA 01803

### **PowerBuilder**

Retail Price: \$1,495-\$3,495  
Contact: Corporate Sales  
Phone: (617) 229-2200  
(800) 395-3525  
Fax: (617) 273-2540  
Available: First Quarter 1993

*PowerBuilder is a uniquely powerful, easy-to-use environment used for developing graphical, Windows oriented, client/server database applications with a practical approach to object-oriented development. PowerBuilder is designed for corporate and government MIS software development projects. It provides an intuitive, highly graphical approach to programming that permits developers to create sophisticated applications. PowerBuilder incorporates the characteristics of traditional mainframe development methods into a client/server architecture, in which graphic client applications integrate fully with high-performance, relational database servers in a transaction-processing environment. PowerBuilder ultimately sets itself apart from other products with its full suite of graphic painter tools, a robust and extensible language, an object-oriented implementation, and an integrated development and database administration environment, all built upon a shared object repository and library manager.*



ProtoView Development Corporation, 353 Georges Rd. Dayton, NJ 08810

### **ProtoGen**

Retail Price: \$199  
Phone: (908) 329-8588  
(800) 231-8588  
Fax: (908) 329-8624  
Available: December 1992

*ProtoGen - Quickly generate code in C/C++ for Windows and Win32—  
Get the Visual Development Edge!*

Visual programming with ProtoGen dramatically cuts the time it takes to learn Windows and Win32 programming and to develop Windows applications. With ProtoGen, you can visually design user interface elements and then generate the source code for the framework of your application. With ProtoGen's regeneration technology all of the code you add to the framework is preserved - even if you change the interface - drastically reducing maintenance time. Four in One - Made specifically to generate ANSI C code, MFC C++, OWL C++, and Pascal with Objects. Price: \$199

ProtoView Development Corporation, 353 Georges Rd. Dayton, NJ 08810

### **ProtoView**

Retail Price: \$395  
Phone: (908) 329-8588  
(800) 231-8588  
Fax: (908) 329-8624  
Available: December 1992

*ProtoView Screen Management Facility—  
Create Dazzling Windows and Win32 Applications in a Flash.*

ProtoView lets you quickly and easily create a user-friendly interface with data validation for your Windows applications. Included is the award winning screen painter that lets you visually create windows with data validation, DDE links, 3D effects, status lines, toolbars and other advanced features. With the ProtoView Workbench you can easily integrate and manage the resources of your application, design menus, edit dialogs, create graphics and generate source code. Thanks to ProtoView, Windows and Win32 development has never been easier. Price: \$395

ProtoView Development Corporation, 353 Georges Rd. Dayton, NJ 08810

### **DataTable**

Retail Price: \$249  
Phone: (908) 329-8588  
(800) 231-8588  
Fax: (908) 329-8624  
Available: First Quarter 1993

*DataTable Spreadsheet Control—  
Add A Spreadsheet To Your Windows and Win32 Applications.*

DataTable is a sophisticated Windows spreadsheet control that will give your application the look and feel of a professional spreadsheet. Interactively set it up in any standard dialog editor. With its 80 messages and 30 notification codes you can control every aspect of its behavior. Order the source and learn how to write sophisticated windows controls. Price: \$249, with source \$495



ProtoView Development Corporation, 353 Georges Rd., Dayton, NJ 08810

### **SQLView**

Phone: (908) 329-8588  
(800) 231-8588  
Fax: (908) 329-8624  
Available: First Quarter 1993

#### *SQLView Client Server Development.*

SQLView is a rapid application development language for client server systems. With SQLView, production quality systems can be built under Windows and Win32 with database access, transaction processing and data security. Using OOP techniques and visual editors, developers build robust, maintainable, client/server applications with advanced GUI components, access to multiple database platforms, transaction security and project life-cycle management. SQLView offers a practical, effective, production environment for accomplishing down-sizing and right-sizing of corporate systems. Price: N/A

Quercus Systems, PO Box 2157, Saratoga, CA 95070

### **Personal REXX for Windows**

Retail Price: \$175  
Contact: Charles Daney  
Phone: (408) 867-7399  
Fax: (408) 867-7489  
Available: December 1992

*Personal REXX is an industry standard command language replacement for the limited "batch" file capability of NT's command processor. REXX is also an ideal macro or scripting language for any application.*

Personal REXX for Windows (WinREXX) is an implementation of the industry standard REXX Language in a Dynamic Link Library. A comprehensive API allows you to embed REXX in your application. REXX performs variable substitution on your application's commands and then passes them to Windows NT or your programs for processing. You can also extend REXX with additional functions. WinREXX is compatible with the REXX command, macro and scripting language standard on OS/2. Don't write your own command language! Save time and money getting your product to market. Embed REXX in your application.

Rational Systems, Inc., 220 North Main Street, Natick, MA 01760

### **BigWin**

Retail Price: \$5,000  
Contact: Byron Bollas  
Phone: (508) 653-6006  
Fax: (508) 655-2753  
Available: Now

BigWin lets you develop 32-bit Windows applications for Windows 3.x. BigWin sits between your 32-bit program and Windows, intercepting all calls your 32-bit application makes to the Windows API and translating them to 16-bit calls. BigWin provides 100% source compatibility so your conversion to the 32-bit Windows world is fast and simple. In almost every case, you don't have to convert your 16-bit source code to 32-bits: you just recompile and re-link with BigWin. It uses a zero-based, flat memory model and comes with its own 32-bit full screen debugger that can be run in either single or dual-screen mode. BigWin requires an 80386/486 computer and Windows 3.x. The development tools you need are the Windows SDK, and a 32-bit compiler, linker, and assembler. BigWin is compiler-independent so you can use the 32-bit compiler you already have.

Rational Systems, Inc., 220 North Main Street, Natick, MA 01760

### **WinServe**

Retail Price: \$5,000  
Contact: Byron Bollas  
Phone: (508) 653-6006  
Fax: (508) 655-2753  
Available: Now

*WinServe lets existing 16- and 32-bit MS-DOS applications run with true Windows front ends.*

WinServe is most commonly used as an alternative to writing a Windows application from scratch. WinServe exploits the multitasking feature of Windows to let you divide your application into two processes: a client and a server. Your existing MS-DOS application becomes the server which runs under Windows in an invisible MS-DOS session. Instead of talking directly to the screen, the server uses WinServe to communicate with a client process. The client acts as the user interface and sends messages, via WinServe, back to the server for processing. WinServe lets you maintain a shared code base for both your standalone MS-DOS and Windows products, so enhancements and bug-fixes are a fraction of the normal effort. This means there is much less new code to test, so your end product is exceptionally reliable.

Software Publishing Corp., 3165 Kifer Rd., POBox 54983, Santa Clara, CA 95056-0983

### **Superbase for Windows NT**

Retail Price: \$795  
Contact: Public Relations  
Phone: (408) 986-8000  
Fax: (408) 450-7933  
Available: 1993

*The proven graphical application design and development system enabling both users and developers to create powerful database management solutions for standalone, file server and client/server deployment.*

Superbase combines easy-to-user visual design tools with the underlying flexibility of the powerful Super Basic Language (SBA), an event-driven BASIC superset. Visual tools simplify the design of queries, graphical forms, reports, icon bars and other user objects. The reconfigurable native interface includes the ability to record sequences of operations as procedures. The design tools also generate SBA, enabling a smooth transition to complete runtime application development. Superbase supports the widest range of graphical, multimedia and OLE data types. It reads and writes dBASE format, imports and exports Paradox, Microsoft Excel, and Superbase SQL Library to popular database servers.

The Stirling Group, 172 Old Mill Drive, Schaumburg, IL 60193

### **ResourceSHIELD**

Retail Price: \$295  
Contact: Barry Pratt  
Phone: (708) 307-9197  
(800) 374-4353  
Fax: (708) 307-9340  
Available: June 1993

ResourceSHIELD is a sophisticated tool that integrates the entire process of designing, creating, editing, translating, compiling and managing resources for applications running under Microsoft Windows, OS/2 PM and Windows NT. Seven powerful resource editors provide the ability to edit resources in binary or text resource files. A visual integrated development environment makes it easy to organize resource components of applications by organizing them into projects. ResourceSHIELD also offers a platform independent perspective to the developer with powerful resource translation features built-in. Over 100 ready to use, professionally designed resource templates for dialog boxes, menus and accelerators are included royalty free.



The Stirling Group, 172 Old Mill Drive, Schaumburg, IL 60193

### **TbxSHIELD**

Retail Price: \$295  
Contact: Barry Pratt  
Phone: (708) 307-9197  
(800) 374-4353  
Fax: (708) 307-9340  
Available: June 1993

TbxSHIELD is a library of innovative software objects which allow you to add tool boxes to your applications. Tool boxes let users select a tool, operational mode, or an option from an array of graphical selectors. Create tool boxes of virtually any size, shape or style and advanced tool boxes such as 3D Tool Cubes. Tool Box selectors can be bitmaps, metafiles, animation, icons, owner drawn and more. Developer defined procedures can be linked to each control. Powerful and flexible library allows complete control and supports all popular styles and options. Lets you add impressive and intuitive controls to your applications easily.

The Stirling Group, 172 Old Mill Drive, Schaumburg, IL 60193

### **InstallSHIELD**

Retail Price: \$595  
Contact: Barry Pratt  
Phone: (708) 307-9197  
(800) 374-4353  
Fax: (708) 307-9340  
Available: June 1993

InstallSHIELD is a full-featured installation program builder especially for Windows/ PMAplications. It allows you to quickly and easily build Windows 3.0 and PowerPoint like installation programs. A built-in simple install language allows you to create complete installers without any C programming. % Complete and other feedback controls built-in. High-performance data compression. Help and instruction windows. Automatically builds program groups, items and icons. Access to DLL functions for special needs. Installation logic based on hardware. Allows intelligent editing of INI and system files.

Templar Technologies1 Main Street, Cambridge, MA 02142,

### **ACUMATE**

Retail Price: Call  
Contact: Dave Stormont  
Phone: (617) 225-2224  
Fax: (617) 225-2220  
Available: Fourth Quarter 1992

*ACUMATE is a Decision Support (DDS) and Executive Information (EIS) application and application development toolkit used in business Intelligence systems.*

ACUMATE version 11.0 is a fully integrated, cross-industry Decision Support (DDS) and Executive information (EIS) application and application development toolkit designed to enhance the productivity of executives and managers. The application features a multi-dimensional database structure and utilizes dynamic SQL interfaces to collect strategic information from RDBMS's.

ACUMATE also features the following: a multi-dimensional database management system with integrated data acquisition tools, a parametrized file reader, dynamic SQL links to relational database management systems, PC import capabilities and an on screen data entry function; a powerful command language with full context-sensitive help features; syntax-free full-onscreen interfaces for text terminals; and much more.



Template Software, Inc., 13100 Worldgate Drive, Suite 340 Herndon, VA 22070

### **SNAP**

Retail Price: \$10,000  
Contact: Bill McManes  
Phone: (703) 318-1000  
Fax: (703) 318-7378  
Available: Now

*The SNAP Advanced Application Development Environment incorporates Window NT to deliver business-critical, cooperative applications.*

SNAP is an Object Technology Development Environment designed for multiprocess, distributed applications. SNAP based on the concept of a template which promotes large-scale code reuse and high developer productivity because 80% of the application is already complete. The SNAP Template features rich graphic interfaces in the context of Windows NT, integration with standard RDBMS, incorporation of knowledge based systems, and communication among processes on heterogeneous platforms with dynamic workgroup support. SNAP supports open system standards. It is scalable, interoperable, and portable across heterogeneous hardware platforms and operating systems including Windows NT.

Trinzic Corporation, 101 University Avenue Palo Alto, CA 94301

### **KBMS**

Retail Price: \$7,500  
Contact: Bob Payne  
Phone: (415) 328-9595  
Available: December 1993

*KBMS is an advanced application development tool designed for application developers who prefer the power and productivity of a high level programming language. It appeals primarily to developers who are familiar with traditional, database-oriented 4GL tools.*

KBMS is best used for developing applications with one or more of the following features: the application requires ad hoc query or end-user data access and analysis; the application is decision-oriented rather than transaction-oriented; the application is a stand-alone application; the application is to be deployed onto multiple platforms; the application requires multiple, simultaneous DBMS access, possibly from different platforms.

Trinzic Corporaton, 101 University Avenue, Palo Alto, CA 94301

### **AionDS**

Retail Price: \$7,500  
Contact: Bob Payne  
Phone: (415) 328-9595  
Available: December 1993

*AionDS is an application development tool that offers application developers a tremendous degree of control over nearly all aspects of their application.*

Because developers using it write at a lower level of granularity, they have available to them more options as to how their program runs and more definitions and options that can be chosen during the development process. The result is that AionDS applications are very highly customizable and can be completely under the control and responsibility of the developer.

AionDS is best used for developing applications that have one or more of the following characteristics: the application is transaction driven; the application may be embedded in another program, such as a COBOL program, or may call another software program; the application development process fits into the company's full life cycle development scheme, or integrates closely with their CASE strategy.



Visix Software, Inc., 11440 Commerce Park Drive, Reston, VA 22091

### **Galaxy Application Environment**

Retail Price: \$9,600  
Contact: Barry Libenson  
Phone: (703) 758-8230  
(800) 832-8668  
Fax: (703) 758-0233  
Available: First Quarter 1993

*A radical new approach to developing application software for high-performance distributed computing environments.*

The Galaxy Application Environment is a complete multiplatform application development environment designed specifically for constructing high performance applications. With Galaxy's cross-platform API and integrated tool set, applications can run enterprise-wide on a broad range of desktop and server platforms. Galaxy comes with powerful runtime components that provide network-independent services such as global hypertext help and inter-application communication. Galaxy is a one-for-one replacement for the Macintosh Toolbox, Windows SDK, and the Motif and OPEN LOOK toolkits. Galaxy applications can be compiled and run across multiple platforms with no code changes.

VZ CORP, 175 South Main Street, Suite 1550 Salt Lake City, UT 84111

### **VZ Programmer**

Retail Price: \$595  
Contact: Jim Wendler  
Phone: (801) 595-1352  
(800) 377-1090  
Fax: (801) 328-4404  
Available: Second Quarter 1993

*For fast, reliable application development, choose VZ Programmer.*

The first complete, self contained development tool for Windows. VZ Programmer combines the speed and flexibility of visual, drag-and-drop interface design with a built-in C/C++ interpreter. And its underlying object-oriented database lets you create reliable software components of any complexity that can be added to your applications. You can call any function in a Windows DLL, including popular database applications. DDE support is also provided. The built-in C++ interpreter compiles ANSI standard C and C++ code and the finished application is portable across Windows and OS/2 PM.

Western Wares, PO Box C, Norwood, CO 81423

### **CC-RIDER**

Retail Price: \$89-\$279  
Contact: Rick Hollinbeck  
Phone: (303) 327-4898  
Fax: (303) 327-4898

*CC-RIDER provides pop-up source browsing for any text editor, together with source code analysis for C++ and C.*

CCSYM analyzes code producing a detailed log file of the system's modules, headers and symbols, together with symbol usage statistics. Recalls all class/struct/enum/macro/ function/variable definitions. Generates QuickHelp databases, function prototypes, and documentation listings. Includes a linkable library of API functions. CC-RIDER swaps to EMS or disk, thus using only 12k of precious low memory.

The Professional Edition runs under both MS-DOS an OS/2 and allows on-line access to symbol usages by context. Works with Borland, Microsoft and Symantec/Zortech extensions.



WinSoft, 1016 E. El Camino Reas, Suite 216 Sunnyvale, CA 94087

### **Instant Windows 3.1**

Retail Price: \$495  
Contact: Phillip Jain  
Phone: (415) 324-9552  
Fax: (415) 324-9580

Instant Windows is an integrated Data Oriented, Validation Library available on multiple platforms. Edit controls include custom validation, display, password, optional and required entry, picture/range checks, business, date, time and C datatypes. It also includes spreadsheet-like scrollable tables, dialogs, mouse menus, radio/check/push hypertext-help buttons, icons, import graphics/bitmaps, scroll bars, combo boxes/choice lists, directories, text file display/editing, color, error messages support and customizable 3D look-and-feel.

Instant Windows generates bug-free C/C++, COBOL code for your application's user interface. You can port across MS-DOS, Windows and OS/2 by simply relinking the code to a different Instant Windows Library. There is no royalty fees.

Xian Corporation, 625 North Monroe Street, Ridgewood, NJ 07450

### **Winpro/C32**

Retail Price: \$895  
Contact: Micalyn S. Harris  
Phone: (201) 447-3270  
Fax: (201) 447-2547  
Available: Fourth Quarter 1992

*Winpro/C32: Windows-hosted WYSIWYG Win32 application prototyper, resource manager and C/C++ code generator provides extensive, well commented, sophisticated code frameworks in seconds.*

Winpro/C32 version 1.20 designs and builds a prototype and creates a complete Win32 C or C++ code framework, tailored to your specific needs in seconds. Winpro/C32 can modify and extend the code framework even after you have added your code to it-our update-in-place technology merges generated code changes with your code. No other product generates code as extensive and sophisticated. Winpro/C32's unique user-modifiable code generator provides unmatched power and flexibility-you can change the code format and variable and function-naming conventions, insert new code generation instructions, alter existing code generation instructions, even change the number of source files generated. Gives you code "your way." Powerful enough to satisfy experienced Windows programmers and fully accessible to first-time Windows developers.

XVT Software Inc., 4900 Pearl East Circle, Boulder, CO 80301

### **XVT Portability Toolkit**

Retail Price: \$1,450 - \$4,400  
Contact: Sales  
Phone: (303) 443-4223  
(800) 678-7988  
Fax: (303) 443-0969  
Available: December 1992

The XVT Portability Toolkit is a thin API that allows you to build and maintain a single C or C++ application that is portable to seven different popular GUI (Graphical User Interface) environments and more than twenty-six different systems. The result: Your application is available to the widest market without the time and expense of developing for each GUI separately. Available for Microsoft Windows, Windows NT, Macintosh, OS/2 Presentation Manager, OSF/Motif, OPEN LOOK, and character based interfaces for UNIX, MS-DOS, or VMS.



## **Tools/Core Development: Integrated Case**

Advanced Systems Technology Corp. (ASTEC), 2200 Defense Highway, Suite 203 Crofton, MD 21114-2404

### **CaMERA**

Retail Price: \$6,000  
Phone: (410) 721-4433  
Fax: (410) 721-1167  
Available: Now

*A Culture-adaptive Mechanism for Expression, Reflection, and Analysis.*

CaMERA is a semantic database tool that can serve as a repository and an integrating CASE tool. It enables you to gather information about your system in terms that you choose. CaMERA can be used across the development life cycle; as your view of the system changes in subsequent phases, your terms can be extended. CaMERA permits expression of your problem and provides a means to reflect your information for examination, and to analyze your information against selected criteria. CaMERA can also help incorporate information from its database into documentation that conforms to a variety standards.

\*CaMERA is a trademark of ASTEC.

Advanced Software Automation, Inc., 3130A Coronado Drive Santa Clara, CA 95054

### **Hindsight-C/NT Software Quality Analysis Module**

Retail Price: \$1,495  
Phone: (408) 492-1668  
Fax: (408) 492-1669  
Available: December 1993

*Presents software quality assurance metrics generated automatically and directly from the user's source code on the colorful SQA Kiviat DiagramT and the SQA Weighted Metrics Graph.*

Hindsight® presents software quality assurance metrics including cyclomatic complexity, fan-in, fan-out, function size, code compactness, visible/invisible segment test coverage, and more. The end user establishes acceptable minimum/maximum values for each metric and optionally assigns a weighting factor. The SQA Kiviat Diagram presents the metrics in a "bullseye" format in which unacceptable values will fall outside or inside of a target ring determined by the user. The SQA Weighted Metrics Graph presents the number of functions which pass or fail the individually weighted acceptable values determined by the user.

Advanced Software Automation, Inc., 3130A Coronado Drive Santa Clara, CA 95054

### **Hindsight-C/NT Test Coverage Analysis Module**

Retail Price: \$1,495  
Phone: (408) 492-1668  
Fax: (408) 492-1669  
Available: December 1993

*Presents in-depth test coverage analysis results graphically and in color, to help pinpoint test coverage deficiencies and improve test case generation.*

Hindsight® presents detailed segment test coverage results on the Structure Chart, the J-Diagram, and in detailed reports. Hindsight overlays test coverage results on the structure chart in a color bar graph format which helps the user visually pinpoint modules which require more in-depth testing. Hindsight presents detailed segment test coverage analysis on the J-Diagram, highlighting untested segments. Hindsight allows the user to select a segment and view the paths from the beginning of the module and to the end of the module, including the data values required for exercising those paths.

Advanced Software Automation, Inc., 3130A Coronado Drive Santa Clara, CA 95054

### **Hindsight-C/NT Software Logic Analysis Module**

Retail Price: \$1,995  
Phone: (408) 492-1668  
Fax: (408) 492-1669  
Available: December 1993

*The J-Diagram adds detailed logic analysis of entire software systems to Hindsight's Software Structure Analysis Module.*

The J-Diagram is a general purpose diagram designed to represent software system hierarchy, procedural logic and, with the optional Test Coverage Analysis Module, detailed segment test coverage. All modules in the software system are merged together to produce an overall picture of the logic flow. The J-Diagram contains the high-level calling sequence of the system and automatic links to the low-level detailed logic. The J-Diagram's notation provides a standardized representation of your software system so you will have a complete user-friendly, automated picture of the program logic.

Advanced Software Automation, Inc., 3130A Coronado Drive Santa Clara, CA 95054

### **Hindsight-C/NT Software Structure Analysis Module**

Retail Price: \$2,495  
Phone: (408) 492-1668  
Fax: (408) 492-1669  
Available: December 1993

*Hindsight® is a powerful, automated, and interactive software engineering environment used for software design, development, testing, maintenance and re-engineering.*

Hindsight presents program structure, in a graphic, interactive, and user friendly format (Hindsight's Structure Chart). The Structure Chart presents system structure, and module dependency of a program, in a graphical and meaningful manner created directly from your source code without any new methodologies or other changes. Specific modules and their related modules can be highlighted, isolated, or edited from the Structure Chart. Hindsight also highlights global and static variable usage. Hindsight's many reports include Compactness, Cross-references, Goto Locations, Run-Time Performance, and Unused Labels.

Andersen Consulting, 69 W Washington Street, Chicago, IL 60602

### **FOUNDATION for Cooperative Processing (FCP)**

Retail Price: \$50,000  
Phone: (312) 580-0069  
(800) 458-8851  
Fax: (312) 507-2548

*As a leader in 1-CASE for client/server, FOUNDATION intends to leverage the power of Win32 by providing the capability to deliver client/server cooperative processing workgroup and enterprise applications that incorporate Win32.*

FOUNDATION for Cooperative Processing (FCP) version 1.2 is a suite of leading edge tools for delivering true peer-to-peer cooperative processing client/server applications. It addresses every aspect of the development life cycle: planning, analysis, design, construction and maintenance, as well as provides you with a framework to effectively manage these activities. FOUNDATION for cooperative Processing allows an organization to quickly develop client/server transaction processing systems. FCP is based on a shared repository, allowing developers to leverage existing skills and resources.

FOUNDATION for cooperative Processing provides open access to a broad spectrum of hardware, operating systems, communications protocols and database environments; includes facilities to connect client and server applications.



CGI Systems, Inc., One Blue Hill Plaza PO Box 1645 Pearl River, NY 10965

**Pacbase, Paclan, Paclan/x**

Retail Price: Call  
Contact: Johanna Steinberg  
Phone: (914) 735-5030  
Fax: (914) 735-2231

*CGI's products are focused on the primary purpose of CASE — producing applications. CGI's CASE products provide full life-cycle coverage, including state-of-the-art facilities for managing and controlling development information over time.* CGI's products provide capabilities include: comprehensive support for work-group development using an interactive, multi-user repository on a LAN server, a mainframe, or both; generation and maintenance of industrial-strength applications, directly from specifications, for the widest range of mainframe, midrange, and PC target environments in the industry, including IBM, DEC, Bull, Unisys, HP, Tandem, and UNIX machines; change management and version control across all applications and target platforms from a single point of control; and the ability to integrate existing systems into a CASE environment for improved control, easier maintenance, and component reusability.

Evergreen CASE Tools, Inc., 8522 154th Avenue NE, Redmond, WA 98052

**EasyCASE Plus**

Retail Price: \$595-\$995  
Contact: Sue Hutchinson  
Phone: (206) 881-5149  
Fax: (206) 883-7676  
Available: August 1993

*Powerful front-end CASE tool that wraps extensive methodology and diagram support in an easy to learn, easy to use, low cost package; Features point and click diagram editor with integrated data dictionary and chart and dictionary verification tools*

Diagrams supported include data flow diagrams, transformation schema, state transition diagrams, structure charts, entity relationship diagrams, data model diagrams, entity life history diagrams, and logical data structure diagrams. Supported methodologies include Yourdon-DeMarco, Gane & Sarson, SSADM, IDEF1X, Yourdon-Constantine, Ward-Mellor, Chen, Bachman, and Martin. EasyCASE Plus level balances related data flow diagrams; checks for correct carry down of processes, flows and stores in linked diagrams; and checks names, labels, and data dictionary descriptions of chart objects. EasyCASE Plus also checks charts against defined rules for each chart type and methodology supported.

Evergreen CASE Tools, Inc., 8522 154th Avenue NE, Redmond, WA 98052

**EasyCASE Plus Developer's Edition**

Retail Price: \$995-\$1,495  
Contact: Sue Hutchinson  
Phone: (206) 881-5149  
Fax: (206) 883-7676  
Available: August 1993

*Powerful front-end CASE tool for process, data, and information modeling. The Developer's Edition helps automate database design by coupling the robust, easy to learn, easy to use features of EasyCASE Plus with schema generation for xBASE and SQL.*

The EasyCASE Plus Developer's Edition includes the powerful chart editing, data dictionary, and analysis features of EasyCASE Plus. It also includes the construction of views for selected entities on entity relationship diagrams and field type and length validation for all elements used in database table definition. The EasyCASE Plus Developer's Edition supports generation of database table headers for dBASE III Plus, and SQL DDL scripts for ANSI SQL, dBASE IV, FoxPro, R:BASE, SQL Server, Sybase, Ingres, Informix, DB2, RdB/VMS, SQLBase, ORACLE, and OS/2 Extended Edition. It also supports reverse engineering of xBASE data and index files back to entity definitions in the data dictionary.



Future Tech Systems, Inc., 824 East Main Street, Auburn, WA 98002

### **ENVISION**

Retail Price: \$7,500  
Contact: John Howland  
Phone: (206) 939-7552  
Fax: (206) 735-6763

*ENVISION is a target independent, highly adaptable, multi-user CASE system within an object-oriented repository.*

ENVISION version 3.2 is a flexible, multi-user, methodology independent and contains the key characteristics generally ascribed to next generation CASE systems. The powerful object-oriented repository, SQL Reporter and Documentation Publisher allow virtually every aspect of the system to be customized to meet specific user needs. An external tools interface supports user needs to work with other development tools. CASE experts like ENVISION's adaptability because they can set up or modify models, attributes and rules in minutes. A well-designed graphical user interface makes ENVISION easy to learn, use and administer. ENVISION's superior multi-user support concept maximizes the sharing of current project data. Full data security is provided.

JPN Associates, 5848 Acacia Circle, Suite A120, El Paso, TX 79912

### **EIFFEL CASE for Windows NT**

Retail Price: Call  
Contact: Chacko Kurian  
Phone: (915) 584-3020  
(800) 594-0201  
Fax: (915) 584-2160  
Available: Second Quarter 1993

*The Analysis and Design workbench of ISE EIFFEL 3 for Windows NT is a powerful CASE tool that covers the full lifecycle of software modeling, design and user-developer communication.*

EIFFEL CASE for Windows NT assists in preparing, documenting and tracking identified object oriented system elements and their relationships from preliminary specifications to the programming phase. Based on Better Object Notation (BON), EIFFEL CASE provides clear notation and a set of methodological guidelines for analysis & design in the EIFFEL spirit of precision, scalability and clarity. BON uses a well defined set of conventions and support semantics not just structure Textual and Graphical elements can be stored and manipulated.

LBMS, Inc, 1800 West Loop South, Suite 1800, Houston, Texas 77027

### **LBMS Systems Engineer**

Retail Price: Call  
Contact: Peter Combe  
Phone: (713) 623-0414  
800# (800) 231-7515  
FAX: (713) 623-4955  
Available: March 1993

*Robust 32-bit integrated CASE development environment combines with Windows NT to deliver unparalleled multi-user development environment for client/server and host/terminal applications development.*

Systems Engineer, using a powerful client/server architecture, is the leading repository-based, multi-user CASE environment. It is Windows-based and covers the full range of software development activities from project planning through code generation. The LBMS open architecture approach provides unparalleled integration with a range of data dictionaries, 4GLs, and GUI development tools. LBMS cross life cycle tools ensure that methodology becomes an active component throughout the lifecycle of development. Systems Engineer runs under MS-DOS 5.0, Novell NLM, UNIX, OS/2 2.0, and Windows NT.





Mark V Systems, 16400 Ventura Blvd., Encino, CA 91436

**ObjectMaker®**

Retail Price: \$3,000-\$5,000  
Contact: Mo Bjornestad  
Phone: (818) 995-7671  
Fax: (818) 995-4267  
Available: Now

*A new generation Meta CASE tool combines with Windows NT to offer Object-Oriented Analysis and Design, Code Generation and Reverse Engineering capabilities.*

ObjectMaker is a new generation Meta CASE tool which offers developers broad, off-the-shelf support for more than 25 Object-Oriented and Traditional methods, multi-language Code Generation, Reverse Engineering, and the ability to use the Tool Development Kit to construct a user specific Custom tool.

Methods supported as published include ADARTS, BAILIN, BERARD, BOOCH, BUHR, CHEN, COAD-YOURDON, COLBERT, CONSTANTINE, DEMARCO, FIRESMITH, GANE-SARSON, HAREL, HATLEY-PIRBHAI, PAGE-JONES, RUMBAUGH, SHLAER-MELLOR, etc.

Popkin Software & Systems, Inc., 11 Park Place New York, NY 10007

**System Architect**

Retail Price: \$1,795  
Contact: Steven J. Schroer  
Phone: (212) 571-3434  
Fax: (212) 571-3436  
Available: First Quarter 1993

*Price/Performance leading multi-methodology CASE tool family. Optional Schema Generator for > 16 SQL and 4GL environments. Optional GUI and Character Screen Painter with generation facilities.*

System Architect (3.0-A32) is a comprehensive CASE tool, under Win32. Networking is optional.

Analysis/Design methodologies supported include Yourdon/DeMarco, Gane & Sarson, Ward-Mellor (real-time), IE, State Transition Diagrams, Shlaer-Mellor(00), ERdiagrams (Chen, Bachman or EI) and SSADM. Coad/Yourdon and Booch Object methodologies are optional. User may simultaneously display multiple diagrams, reports or dictionary items. Other features include: Rules checking, Balancing, Normalization, Mini-spec Balancing, CRUD Matrices, Requirement Traceability as well as user definable Metadata and Custom SQL-like Reporting facilities. Reverse Data Engineering and Code Generation facilities are planned for First and Second Quarters of 1993.

S•Cubed, Inc., 1010 Washington Blvd., Stamford, CT 06901

**Developer's Assistant (DAISys)**

Retail Price: \$6,000-\$12,000  
Contact: John A. Rade  
Phone: (203) 323-0760  
Fax: (203) 323-2007  
Available: April 1993

*Full life cycle development environment for both client server and host based systems. Supports business requirements gathering to code generation using an expert system and object oriented techniques. For single use or for multiple developers on a LAN.*

DAISys is a PC-based advanced application development tool which assists developers during the full development cycle: from gathering business requirements, thru design and modeling, prototyping and finally code generation. DAISys utilizes an expert system and object-oriented design methods to automatically split the application into server and client code. System requirements are defined in ordinary business terms and automatically transformed into working code. Its generated applications assure the integrity of data and enforcement of critical business policies and procedures. DAISys, itself, takes full

advantage of the Windows NT operating system as well as generating 32 bit applications for Windows NT.

Seer Technologies, 8000 Regency Parkway, Cary, NC 27511

### **HPS Environment**

Retail Price: \$12,000  
Contact: Sharon Northcutt  
Phone: (919) 380-5000  
Fax: (919) 469-1910

*Integrated CASE for building distributed application.*

The HPS Environment version 5.0 is comprised of several integrated sets of computer-automated systems engineering (CASE) tools.

Software engineers, analysts and programmers work in the HPS Environment to develop cooperative applications for networks of personal workstations and mainframe computers. All systems are defined in terms of entities and relationships that are stored on the HPS Enterprise Repository. These entities-the constituent part of the systems-can easily be reused, decreasing the amount of coding required for new systems. Systems are also easy to maintain-for example, increasing the length of a field everywhere throughout all applications requires only one change in the definition (plus automatic regeneration of all systems using that field).

Texas Instruments, 6620 Chase Oaks Blvd., m/s 8505, Plano, TX 75023

### **IEF Information Engineering Facility**

Phone: (214) 575-5959  
Available: 1993

The Information Engineering Facility is a computer-aided software engineering (CASE) product. It is a fully integrated set of tools implementing the Information Engineering methodology. IEF automates the entire system life cycle, from initial planning through code generation, installation, testing, implementation and maintenance.

The Object Development Group, 31205 Floralview Dr. #204, Farmington Hills, MI 48331

### **Object Modeler**

Retail Price: \$995  
Contact: Bailey Bilt-Kravitz  
Phone: (313) 788-2344  
Available: June 1993

*Object Modeler is a CASE tool which supports an object-oriented analysis and design methodology.*

Object Modeler supports an object oriented approach to analysis and design. This product employs an object model to graphically represent real world objects. This representation can be easily updated as the real world objects change. Since the same graphical notation is used for both analysis and design, an iterative life cycle is supported better than in the traditional structured approach. Object Modeler is based on the methodology found in the book Object-Oriented Modeling and Design by Rumbaugh et al.

WEILAN Systems, 24128 S.E. 45th Pl., Issaquah, WA 98027

### **WEILANLeCASE**

Phone: (206) 392-7571

Available: July 1993

*WEILAN LeCASE, a powerful Computer-Aided Software Engineering (CASE) Structured Analysis and Design Tool for the Windows NT operating system.*

WEILAN LeCASE CASE tool supports multiple Structured Analysis and Design methodologies including: Yourdon/DeMarco, Gane & Sarson, Hatley & Pirbhai(real-time), Ward & Mellor (real-time), Structured Charts, State Transition Diagrams, Entity Relation Diagrams, and Decomposition Diagrams. WEILAN LeCASE is fully integrated with a powerful Object Editor, an automated Data Dictionary Processor, Mini Spec Editor, Requirements Traceability Processor, Data Normalization Processor (third normal form), and a comprehensive DFD Consistency Analyzer.

### **Tools/Core Development: Profiling, Testing and Automation**

Kilowatt Software, 1945 Washington St., Suite 410, San Francisco, CA 94109

### **REXX/Windows**

Retail Price: \$129

Contact: Keith Watts

Phone: (415) 346-7353

(800) 848-9474

Fax: (415) 346-7353

*A complete implementation of the REXX programming language with GUE capabilities for Windows.*

REXX/Windows version 1.20 is a complete implementation of the REXX programming language for the Microsoft Windows environment. All standard language statements and functions are provided. Graphical user interfaces can be rapidly created dynamically by the user or programmatically with over 100 additional built-in functions. Language extension can be added using standard SAA exit interfaces. REXX/Windows is an excellent tool for automating inter-application communications using DDE, OLE or simpler techniques. Extensive on-line documentation is included. The product package includes Portable/REXX, which is Kilowatt Software's REXX offering for the MS-DOS environment.

Mercury Interactive Corp., 3333 Octavius Drive, Santa Clara, CA 95054

### **TestRunner/NT**

Retail Price: Call

Phone: (408) 987-0100

Fax: (408) 982-0149

Available: November 1992\

*TestRunner/NT is a completely non-intrusive software verification and validation tool designed to help automate the process of testing and ensure software quality in interactive Windows NT-based applications.*

TestRunner/NT, an advanced, universal language solution, consists of a PC loaded with Mercury's testing program and database and special digital signal processing hardware that acquires screen, keystroke, and mouse data. TestRunner/NT automatically enters required input, monitors results, compares actual with expected results, and records relevant errors. TestRunner/NT is uniquely Output Synchronized (driven by a patented digital signal processing vision system), guaranteeing successful test execution. TestRunner/NT supports testing of all Microsoft Windows NT compatible PCs.

Mercury Interactive Corp., 3333 Octavius Drive, Santa Clara, CA 95054

### **NTRunner**

Retail Price: Call  
Phone: (408) 987-0100  
Fax: (408) 982-0149  
Available: April 1993

*NTRunner is an advanced multi-platform software-only verification and validation tool designed to help automate the process of testing and ensure software quality in Windows NT-based applications.*

Utilized throughout all phases of the development life-cycle, NTRunner supports interactive test creation through recording (analog recording records exact keyboard and mouse movements; context-sensitive recording automatically interprets user operations based on context, such as selecting an item from a menu) and/or programming. NTRunner assures automatic verification using Output Synchronization (independent of window position or size, or time delay), text recognition, report generation, and error review. NTRunner supports all Microsoft Windows NT compatible PCs.

MicroQuill Software Publishing, Inc., 4900 25th Ave., #206 Seattle, WA 98105

### **SegMentor**

Retail Price: \$3,995  
Contact: Tom Marvin  
Phone: (206) 525-8218  
(800) 441-7822  
Fax: (206) 525-8309  
Available: March 1993

*SegMentor optimizes the allocation of functions to code pages so that disk swapping is minimized.*

*Application requires less memory and performance improves 2-10X in tight memory conditions.*

SegMentor traces the function calling activity of the application to build a database of every function call and how frequently it occurs. This database is then run through simulated annealing algorithms to compute an optimal solution that groups those functions calling each other most often into the same page. Finally, SegMentor automatically integrates the final optimized map back into your executable, without changing your source. Your application winds up with dramatically fewer cross-page function calls.

MicroQuill Software Publishing, Inc., 4900 25th Ave., #206 Seattle, WA 98105

### **Performance Tracer**

Retail Price: \$495  
Contact: Tom Marvin  
Phone: (206) 525-8218  
(800) 441-7822  
Fax: (206) 525-8309  
Available: January 1993

*Application wide call-tree profiler. Picks up absolutely every call in a single pass. Great for coverage analysis. Won't break on huge applications. Traces C/C++ EXEs, DLLs, and multi-threaded programs.*

Only profiler available that traces entire application at once, regardless of size, and captures every call including those through pointers and call-backs. Reports include: A complete call tree history showing every function, including those called through messages, pointers, or call-backs; Every function called by, or calling, a given function; The execution time of every instance of each function, including minimum, maximum, total, and average times; Frequencies for each function; All functions not exercised; All function calls that could have occurred but did not. Data also available in ASCII format for custom analysis.

Microsoft Corporation, One Microsoft Way, Redmond, WA 98052

### **Microsoft Test for Windows Developer Services**

Retail Price: \$395  
Phone: (206) 882-8080  
(800) 227-4679 ext.11771  
Fax: (206) 93-MSFAX  
Available: First Quarter 1993

*Microsoft Test for Windows makes comprehensive testing easier, reduces testing costs and helps you validate the quality of software as you write it so that you can deliver better Windows and Windows NT applications in less time.*

Microsoft Test for Windows helps you improve the quality of delivered applications by making better use of dedicated testers allowing them to create superior test scripts rather than performing repetitive tasks. You can also run comprehensive, unattended tests 24 hours a day and log results.

Test any Windows application-including DDE or OLE, using multiple test scripts simultaneously. Trap unexpected events and take pre-specified actions. Test large Windows application, including those using DLLs. Use with the production version of almost any Windows application, no matter what development tool was used to create it. Automate both input events and the comparison of the resulting output with the expected output. Reduce the number of necessary tests by making device-independent tests.

Philosoph Software, PO Box 2152, Cupertino, CA 95014

### **TESEXE-NT**

Retail Price: \$499  
Phone: (408) 481-0563  
Available: November 1993

*A revolutionary component for highly-automated, low-level dynamical testing of Windows NT client programs and libraries.*

Tesexe is an engine for validating and verifying multi-function procedural and object-oriented frameworks. Designed to run unsupervised, Tesexe executes and analyzes execution scenarios virtually impossible to create using single tests. Both unit and integration testing can be performed. Detailed diagnostics describe the parameters and subroutine histories causing errors in your code. Tesexe operated seamlessly using output from Tesspec, a high-level interface for test specification also from Philosoph.

Philosoph Software, PO Box 2152, Cupertino, CA 95014

### **Tesspec-NT**

Retail Price: \$499  
Phone: (408) 481-0563  
Available: November 1993

*A revolutionary application for systematic test domain specification of Windows NT client programs and libraries.*

Tesspec is a user application for managing test specification of multi-function procedural and object-oriented frameworks. Environmental parameters, subroutine data requirements, function call sequences, and abstract data type relations are analyzed to determine test suites offering maximum verification with minimal effort. Graphical user interface and textual scripting language are provided for input specification. Tesspec generates scripts for testing personnel and integrates seamlessly to control Tesexe, an engine for highly-automated, low-level dynamical testing of your programs and frameworks.

Software Quality Automation, One Parker Street, Lawrence, MA 01843

**SQA:Robot for Windows NT**

Retail Price: \$495  
Phone: (508) 689-0182  
(800) 228-9922  
Fax: (508) 689-4195  
Available: First Quarter 1993

*Fully automated regression testing tool designed specifically for Windows NT. Automated script generation, workstation or networked test execution. Tests local or mainframe hosted apps.*

SQA:Robot is one of a family of tools designed to automate the GUI software testing process. SQA:Robot generates Visual Basic scripts by recording all keystrokes, mouse movements and window activities and enables fully automated, unattended playback for regression and performance testing. Scripts can be easily linked for large procedures to

be run overnight and on multiple network nodes. Execution data is captured and stored in a Paradox-based Test Repository for test logging, measurement, analysis and reporting.

Software Quality Automation, One Parker Street, Lawrence, MA 01843

**SQA:Manager for Windows NT**

Retail Price: \$995  
Phone: (508) 689-0182  
(800) 228-9922  
Fax: (508) 689-4195  
Available: First Quarter 1993

*SQA: Manager is a complete environment for software test management, including test planning, problem tracking, analysis, measurement and reporting.*

SQA:Manager provides the user with an integrated environment for Test Planning, Problem Tracking and Reporting designed to replace homegrown solutions found in many development shops. The test planning module provides templates for IEEE, DoD and Mil-spec test plans and procedures. The problem tracking module provides a very robust model for problem recording, defect sourcing and resolution. Forecasting metrics including cost reports and the Musa-Okumoto Reliability Growth Model are standard in SQA:Manager. SQA:Manager was the 1991 COMPUTERLANGUAGE Productivity Award Winner.

Spirit of Performance, Inc., 73 Westcott Road, Harvard, MA 01451

**Advanced Personal Measure**

Retail Price: \$3,000  
Contact: Ben Myers  
Phone: (508) 456-3889  
Fax: (508) 456-3937  
Available: December 1992

*Advanced Personal Measure gives you the data you need to improve your product's performance. It measures resources used by live applications running in the MS-DOS environment.*

Advanced Personal Measure reports how and when the resources at the disposal of the PC have been used. The PC hardware resources are classified as processor, local hard disk, LANdisk, keyboard, printer and serial port. The file usage report is used by network analysts, hardware designers and analysts, and software development teams who need to understand exactly how files are accessed and to analyze the effects of access patterns on a local or server disk subsystem. Using Advanced Personal Measure, an analyst can find the cause of overall system behavior within minutes and take action with guaranteed results. It is compatible with Windows 3.x and the most popular network operating systems including Novell NetWare, Banyan VINES, Lan Manager and various NETBIOS-based operating system such as Artisoft's LANtastic, IBM PC-LAN and DCA's 10-Net.





## **Tools/Core Development: Prototyping and Simulation**

Aldec, Inc., 3525 Old Conejo Rd., #111, Newbury Park, CA 91320

### **BOSS-Concurrent Designer**

Retail Price: \$495 intro  
Contact: Stanley Hyduke  
Phone: (805) 499-6867  
(800) 48-SUSIE  
Fax: (805) 498-7945  
Available: November 1992

*Combining unprecedented Windows NT power with novel user interface, this closely integrated schematic capture and logic simulator, provides instant design guidance as the design is being created.*

By combining a schematic capture with a 10 picosecond logic simulator, BOSS-Concurrent Designer (BOSS-CD) allows for instant hardware design analysis as it is being created. All design changes are performed in real-time and performance improvements are shown explicitly. BOSS-CD automatically checks every pin of every cell and IC device during each clock cycle for timing violations and bus conflicts. And to assure the highest quality, designs can be automatically simulated with the Monte Carlo propagations distribution, which is equivalent to the automatic manufacturing and testing of thousands of design variations.

Aldec, Inc., 3525 Old Conejo Rd., #111, Newbury Park, CA 91320

### **ACTIVE-CAD**

Retail Price: \$495 intro  
Contact: Stanley Hyduke  
Phone: (805) 499-6867  
(800) 48-SUSIE  
Fax: (805) 498-7945  
Available: November 1992

*Combining a closely integrated schematic capture and logic simulator, this exceptional Windows NT based tool emulates electronic hardware breadboarding and popular test equipment.*

ACTIVE-CAD behaves for all practical reasons as a combination of a printed circuit board and such test equipment as a signal generator and logic analyzer. Taking advantage of Windows NT power, ACTIVE-CAD displays functional simulation data, both at the selected device pins on the schematic and in multiple simulation windows associated with selected devices and design sections. The designer can instantly emulate proposed design changes, incomplete design sections and missing device models. This incremental design development tool not only speeds new designs but it also minimizes the time it takes to analyze and rework existing designs.

Spatial Technology, Inc., 2425 55th Street, Building A, Boulder, CO 80301

### **ACIS Personal Developer**

Retail Price: \$1,495  
Contact: Scott Owens  
Phone: (303) 449-0649  
Fax: (303) 449-0926  
Available: March 1993

*Unique 3D Geometric Modeling Toolkit. ACIS® Personal Developer combines with Windows NT and Visual Basic to bring unprecedented 3D modeling and visualization to the PC.*

ACIS® Personal Developer is a powerful development toolkit for the creation, manipulation and photorealistic visualization of three dimensional geometric objects. ACIS, the de facto standard for geometric modeling worldwide, offers the flexibility to model curves, surfaces and solids in a single environment. Coupled with an interpretive command front-end, ACIS Personal Developer supports the

rapid development of personal and professional applications which can be easily integrated with GUI tools such as Visual Basic. ACIS is available on MS-DOS, Microsoft Windows and Windows NT and provides a full B-Rep, double precision 3D modeling environment suitable for a broad range of 3D applications from parametric design through high performance machining, architecture, geophysical, molecular modeling and bio-medical, for example.

WinSoft, 1016 E. El Camino Reas, Suite 216, Sunnyvale, CA 94087

### **Instant Prototyper 3.1**

Retail Price: \$149  
Contact: Phillip Jain  
Phone: (415) 324-9552  
Fax: (415) 324-9580  
Available: Now

*Instant Prototyper rapidly designs professional 3D interface and lets you demo and test your design without coding or compiling.*

Instant Prototyper creates WYSIWYG SAA applications by just pointing and clicking. You don't need to write any code. You can create main windows, dialogs, menus, radio/ check/push/hypertext/ help, icons, import graphics/bitmaps, scroll bars, list boxes, directories, text file display/editing, choice/pick lists, combo boxes, spreadsheet-like tables. Customizable 3D look-and-feel is supported.

Instant Prototyper lets you demonstrate and test your complete design including menus, windows and "live" data entry validation fields. Also, by upgrading to Instant Windows, you can generate the complete 'C' code for your application's user interface. Versions available for MS-DOS, Windows 3.1, Windows NT, OS/2 and UNIX.

### **Tools/Core Development: Other**

Advanced Systems Technology Corp. (ASTEC), 2200 Defense Highway, Suite 203 Crofton, MD 21114-2404

### **REVENGG**

Phone: (410) 721-4433  
Fax: (410) 721-1167  
Available: Now

*A reverse engineering tool.*

REVENGG translates the structure, properties and interactions of programming code into a higher-level, easier-to-understand semantic database. With the program code abstracted into this database, the program can be examined and evaluated for inconsistencies and gaps in traceability. The program can be demystified, documented, redesigned, translated or exported to other tools, or regenerated. Micro and macro views can be examined. Program documentation can be derived that conforms to any documentation standard. At present, REVENGG can interpret COBOL and FORTRAN; other languages can be mapped. For regeneration into other languages, please contact ASTEC. \*REVENGG is a trademark of ASTEC.

Gupta Corporation, 1060 Marsh Road, Menlo Park, CA 94025

### **Quest**

Retail Price: \$595  
Phone: (800) 876-3267  
Fax: (415) 321-5471  
Available: Fourth Quarter 1993

*The graphical data access tool that enables end users to access and query SQL databases and generate their own reports without knowing SQL.*

Quest provides end users with easy access to information in a SQL database—on a client-server LAN, mainframe or minicomputer—from within the Windows NT environment on a PC. With Quest, users can query SQL data residing wherever it is stored, and generate their own reports, without knowing SQL.

Programmers can use Quest to easily create tables, forms and integrate new reports into custom applications.



Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117

### **Hamilton C shell**

Retail Price: \$350 U.S.  
Contact: Douglas A. Hamilton  
Phone: (508) 358-5715  
Fax: (508) 358-1113  
Available: Now

*World's most powerful tools for Windows NT! Dramatically more powerful than CMD.EXE. Includes virtually every utility you will ever need. Unconditional satisfaction guarantee.*

Hamilton C shell recreates the functionality of the original UNIX C shell, adding numerous enhancements. Features include history and full-screen command line editing, filename and command completion, user-defined and built-in procedures, aliases, local variables, path hashing, command substitution, advanced filename wildcarding. Extensively multithreaded. Over 130 commands, utilities and built-in functions including chmod, cp, cut, diff, fgrep, grep, head, kill, more, mv, printf, ps, rm, sed, strings, tail, tar, touch, tr, uniq, wc and xd. Hamilton C shell has been designed from scratch and carefully follows all Windows NT conventions.

Highland Software, 1001 Elwell Court, Palo Alto, CA 94103

### **The Software Store**

Retail Price: FREE  
Contact: Paul Lansky  
Phone: (415) 493-8567  
Fax: (415) 493-4506  
Available: Now

Highland Software supplies products and services for the promotion, demonstration, and distribution of Unix® application software. Highland's Software Store® product line consists of CD-ROMs and supporting technologies that assist Unix software vendors in promoting, selling and supporting their products. Technologies include Flexible License Manager (FLEXlm), the leading license manager in the Unix marketplace, and a suite of multimedia tools for creating demos of X-windows software. Highland Software will be accepting free subscriptions for the Software Store program for the RS/6000 platform.

Internax, 6 Johnston Way, Dept. ADTG, Scotts Valley, CA 95066

### **How to Internationalize Microsoft Windows and Windows NT Programs.**

Retail Price: \$299.95  
Contact: Marshall Schaffer  
Phone: (408) 438-2270  
Fax: (408) 438-2270  
Available: December 1992

*Targeting the international market? Learn to correctly develop "internationalized" Windows NT and Windows programs. Attend your own "private" conference with William S. Hall in this fact-filled video. Avoid delays and subtle bugs. Dr. Hall is past Windows columnist in PC Magazine, has written articles for Microsoft Systems Journal, and is a contributor to an upcoming book on internationalization. Topics covered include Worldwide Writing Systems, National Language Support, International Keyboards and Video Systems, Character Sets and Code Pages, File System issues, Unicode, Recommended Software Development Practices, Testing and more. Special material on developing for the Japanese market. 60 minutes. Available in all video formats and standards. Includes workbook. Sample tape available.*

Softbridge, Inc., 125 Cambridge Park Drive, Cambridge, MA 02140

**Softbridge BASIC Language**

Retail Price: Call  
Contact: Jerry Bedrick  
Phone: (617) 576-2257  
(800) 955-9190  
Fax: (617) 864-7747  
Available: Fourth Quarter 1993

*Embeddable language gives software developers the competitive advantages of adding a standard BASIC scripting language to their products, without having to design, develop, and maintain the language on their own.*

The Softbridge BASIC Language (SBL) is a version of Basic, conforming to Visual Basic, designed for integration into Windows applications. Implemented as a DLL, SBL's full-featured API lets it become a seamless extension of any Windows application. Language features include Visual Basic compatibility; external DLL support; the ability to construct dialog boxes using Microsoft Word BASIC syntax; BASIC language access to application menus, dialog boxes, and abstract data objects; and direct mapping of BASIC records and fixed length arrays to C structures and pointers. SBL's API features are tailored to seamlessly embed SBL in an application.

Trillennium Corporation, 3843 94th Avenue NE, Bellevue, WA 98004

**XPLibrary**

Retail Price: \$300  
Contact: Holly Anderson  
Phone: (206) 453-2949  
Available: May 1993

*Cross-Platform Library for simultaneous application development for the Macintosh, Windows 3.1, and Windows NT environments.*

XPLibrary version 2.0 is a set of three compile-time libraries that provide the necessary services to develop an application for Windows NT, Windows 3.1, and the Macintosh environments using the same C source code. C source included (others available) and distribution licenses are available. Other environments are being developed. Cross-platform support for memory, file, event, string, menu, window, control, graphics, text, bitmap, print, clipboard, dialog, and multiple document management.

## **Tools/Libraries: DBMS/RDBMS**

Copia International, Ltd., 1342 Avalon Court, Wheaton, IL 60187

### **AccSys for dBASE**

Retail Price: \$395  
Contact: Dorothy Gaden  
Phone: (708) 682-8898  
Fax: (708) 665-9841

AccSys for dBASE enables programmers to create and/or update all dBASE III & IV file types. AccSys's interface between C or Visual Basic and dBASE provides full support and control over DBF files, MDX and NDX index files and DBT memo files. AccSys for dBASE can also handle the DBF, NDX and DBT files of dBASE III PLUS. Applications that work under various environments such as MS-DOS, MS-DOS Extenders, Windows (DLL), and OS/2 may also be developed. Multi-user (network) capabilities automatically provide complete file and record locking compatibility with dBASE IV and dBASE III PLUS. Examples included with source code. No run-time royalties.

Compilers supported: C (Borland C & C++, Microsoft C, WATCOM). Hard disk recommended. Specify 5.25" or 3.5" diskettes. Full 60 day guarantee.

Copia International, Ltd., 1342 Avalon Court, Wheaton, IL 60187

### **AccSys for Paradox**

Retail Price: \$395  
Contact: Dorothy Gaden  
Phone: (708) 682-8898  
Fax: (708) 665-9841

AccSys for Paradox provides quick and easy access to Paradox data files. A seamless interface between C, QuickBASIC, or Visual Basic and Paradox, AccSys offers total control over Paradox table files, primary and secondary index files. Applications that work under various environments such as MS-DOS, MS-DOS Extenders, Windows (DLL), and OS/2 may also be developed. The programmer can construct standalone programs using AccSys for Paradox. Multi-user (network) capabilities automatically handle the network control file and lock files. Examples included with source code. No run-time royalties.

Compilers supported: C (Borland C, Microsoft C, Zortech, WATCOM). Version available for QuickBASIC. Hard disk recommended. Specify 5.25" or 3.5" diskettes. Full 60 day guarantee.

Coromandel Industries, Inc., 70-15 Austin Street, Third Floor, Forest Hills, NY 11375

### **Integra SQL for Windows NT**

Contact: Doraiswamy N. Thodla  
Phone: (718) 793-7963  
(800) 575-3267  
Fax: (718) 793-9710

*Ingra SQL for Windows NT—a powerful industrial strength multi-user relational database engine.*

Integra SQL for Windows NT is a 32-bit implementation of Integra SQL, a relational database engine. Integra SQL is based on the ANSI SQL standard; supports Embedded SQL with scrollable cursors and Dynamic SQL; supports Call Level Interface; supports BLOBs (Binary Large Objects); supports User Defined Functions; is available for MS-DOS, Windows, Windows NT and UNIX.



DataEase International, Inc., 7 Cambridge Drive, Trumbull, CT 06611

**DataEase for Windows**

Retail Price: Call  
Contact: Randy Newell  
Phone: (203) 374-8000  
Fax: (203) 365-2317

*DataEase for Windows is an object-oriented relational DBMS for rapid applications development without programming.*

DataEase for Windows version 1.0 is an object-oriented relational DBMS and application development tool that includes stand-alone, file server and client-server support. Data can be displayed as a multiform including up to 32 sub-forms, side-by-side sub-forms and nested sub-forms across multiple database engines simultaneously. An assortment of data layout templates is included with the product to dynamically mix and match layout styles.

The product combines a wide range of features to enable a developer to build sophisticated database applications without programming. An object palette and style library provides the developer with efficient tools for designing virtually any front end form.

ETN Corporation, Rural Route 4, Box 659, Montoursville, PA 17754

**PowerLib W**

Retail Price: \$295  
Phone: (717) 435-2202  
Fax: (717) 435-2802  
Available: Call

*PowerLib W version 4.0 is an easy to use xBASE DBMS/DLL engine for Windows and Visual Basic.*

PowerLib W version 4.0 is an xBase DBMS/DLL providing true, native mode I/O access (read/write) for Windows and Visual Basic applications. Supports .DBF .DBT and .NDX files. Windows SDK/C/C++, Actor and Visual Basic sample applications (source) included.

ETN Corporation, Rural Route 4, Box 659, Montoursville, PA 17754

**Top D.B.A.**

Retail Price: \$79.95  
Phone: (717) 435-2202  
Fax: (717) 435-2802  
Available: Call

*Top D.B.A. is an easy to use personal data base analyst application.*

Top D.B.A. version 1.0 is a Microsoft Windows application used for maintaining, creating, modifying, importing, exporting, reporting, analyzing, viewing, merging, reformatting and managing xBASE, ASCII and spreadsheet data.

ImageSoft, Inc., 2 Haven Avenue, Port Washington, NY 11050

### **CommonBase**

Retail Price: Call  
Contact: Joshua Allen  
Phone: (516) 767-2233  
(800) 245-8840  
Fax: (516) 767-9067

*The C++ class interface to ISAM and SQL databases.*

CommonBase version 1.02 is a collection of C++ class libraries, transparent migration path from ISAM to SQL and independence from database storage formats.

CommonBase includes a C++ class interface on top of the programmable interface of the database with a C++ look and feel, no back-door implementations, transparent data types and an ability to kick-down to the underlying API to exploit specific database features.

Key benefits of CommonBase-developed applications are: portability across database applications, no hard coding table definitions at compile time, high performance database operations and support for BLOB data.

Persistent Data Systems 75 West Chapel Ridge Road,, Pittsburgh, PA 15238

### **IDB Introductory Package**

Retail Price: \$99  
Contact: Carolyn D. Councill  
Phone: (412) 963-1843  
Fax: (412) 963-1846  
Available: First Quarter 1993

*The IDB Introductory Package provides an in-depth, programmer's introduction to the IDB Object Database. Capable of storing and manipulating objects of arbitrary size and complexity, object databases are the next generation of DBMS technology.*

The IDB Introductory Package shows how to build a complete application using the IDB Object Database: how to use the IDB browser, how to specify IDB data using the IDL data definition language, and how to program object behavior in C using the IDB API. It includes a working application running under the IDB browser, a 130 page tutorial, and source for the database schema and object operations. The tutorial assumes a knowledge of C but does not require prior experience with object-oriented systems. The price of the Introductory Package may be applied toward the purchase of a full IDB developer's license.

Persistent Data Systems, 75 West Chapel Ridge Road, Pittsburgh, PA 15238

### **IDB Object Database**

Retail Price: Call  
Contact: Carolyn D. Councill  
Phone: (412) 963-1843  
Fax: (412) 963-1846  
Available: First Quarter 1993

*With its object-oriented type-model and efficient run-time system, the IDB Object Database offers the flexibility and performance that software developers need to manage richly structured and highly interconnected data.*

A high-performance distributed object database, IDB allows developers to define and manipulate objects of arbitrary size and complexity. Organized in a multiple inheritance class hierarchy, these objects have both data (attributes) and associated behavior (operations).

The IDB run-time system supports polymorphism, dynamic binding, quick-fit storage allocation, garbage collection, long and nested transactions, versioning, dynamic linking, and exception handling. IDB tools aid in prototyping, program evolution and debugging. IDB applications may run standalone or distributed,

and may be configured with or without an interactive display manager and browser.

Pioneer Software, 5540 Centerview Drive, Suite 324, Raleigh, NC 27606

### **Q+E Database Library for Windows NT**

Retail Price: \$399  
Contact: Inside Sales  
Phone: (919) 859-2220  
(800) 876-3101  
Fax: (919) 859-9334

*Don't rewrite code just to use a different database! With Q+E Database Library and your favorite development tool, you can build applications that simultaneously and identically access, query, and edit data in all major database formats.*

Q+E Database Library, a collection of Dynamic Link Libraries, provides a common API for database access from any application capable of calling a DLL. Q+E Database Library functions can be called from the macro, script, or programming languages of any Windows NT based product. Spreadsheets, word processors, hypercard development systems, 4GL development tools, object-oriented languages, and traditional programming languages can directly retrieve and maintain database information with Q+E Database Library. Supports: Btrieve, dBASE, DB2, Microsoft Excel files, INGRES, NetWare SQL, Oracle, OS/2 DBM, Paradox, SQL/400, SQLBase, SQL/DS, SQL Server, Sybase, Tandem NonStop SQL, text files, and XDB databases.

SQLSoft, 10635 NE 38th Place, Suite 24B, Kirkland, WA 98033

### **SQLVB Design Kit**

Retail Price: \$495  
Phone: (206) 822-1287  
Fax: (206) 822-1485

*SQLVB Design Kit version 1.0 provides production application developers with high level Microsoft visual Basic object access to the Microsoft/Sybase SQL Server.*

SQLVB Design Kit version 1.0 gives the Visual Basic developer quick and easy access to SQL Server. In just a few lines of Visual Basic code, you can connect to SQL Server, load data into Visual Basic objects and execute TransAct SQL statements.

You can also take advantage of the new cursor functionality of SQL Server 4.2 with SQLVBDBK. Other SQLVBDBK functions transfer data from SQL Server to .DBF files. If you need a first class report writer for your VB-SQL Server application, SQLVBDBK links Visual Basic with R&R Report Writer from Concentric Data. Routines also allow using a grid control to receive data from SQL Server. Grid objects, column heading, text alignments and widths can easily be set up.

Vermont Database Corp., 400 Upper Hollow Hill Rd., Stowe, VT 05672

### **Pinnacle Relational Engine**

Retail Price: \$795  
Contact: John Elkins  
Phone: (802) 253-4437  
(800) 822-4437  
Fax: (802) 253-4146  
Available: November 1992

*Very-high-level client-server relational dbms for C/C++ programmers.*

Pinnacle Relational Engine provides a unique RDBMS API and database engine designed to maximize developer productivity while at the same time providing robust relational functionality and performance for the C programmer. A C++ class wrapper further improves the simplicity of the API by reducing the number of functions through polymorphism and operator overloading. The result is a virtual database language in C++ syntax. Features include support for unlimited size BLOB and string fields, runtime schema modification, a C-like table filter language with query optimization, and full two-phase commit and

rollback.

WinServer Technologies Ltd., 2433 Sun Hung Kal Centre, 30 Harbour Rd., Hong Kong

### **WinClient Library**

Retail Price: \$238  
Phone: (852) 827-2239  
Fax: (852) 827-2575  
Available: July 1993

WinClient is a C++ object library designed for serious RDBMS application front end development. It provides tightly integrated RDBMS access as well as window interface features. A screen painter is also provided for laying out various objects interactively. The resulting tool set is as powerful and easy to use as a 4GL but retains the flexibility of a 3GL. The library can be easily customized by building sub-classes to classes provided by the library. It is available for Sybase, Microsoft and Novell SQLservers, Oracle and Ingres database servers.

### **Tools/Libraries: Network**

Eicon Technology Corporation, 2196 32nd Avenue, Lachine, Quebec H8T 3H7

### **SNA Function Management Developer's Toolkit for Windows NT**

Retail Price: \$1,000  
Contact: Lori McEniry  
Phone: (514) 631-2592  
Fax: (514) 631-3092  
Available: Third Quarter 1993

*This toolkit creates a working environment that provides the ultimate in flexibility for applications needing to access information from a single SNA host to multiple SNA hosts concurrently.*

SNA Function Management Developer's Toolkit for Windows NT provides a high-level interface for the SNA protocol stack using a library of "C" function calls. Through an Eicon Technology SNA Gateway, the developer can create applications to implement one or more Application-Application (LU-LU) sessions between standalone or LAN workstations and SNA hosts, such as IBM 370, SYS/3X and AS/400s. It features full support for Node Types 1 and 2.0, as well as Logical Unit Types 0, 1, 2, 3, 4 and 7. This toolkit lets the developer define, start and stop up to 254 Logical Units simultaneously.

Eicon Technology Corporation, 2196 32nd Avenue, Lachine, Quebec H8T 3H7

### **EiconAPPC Developer's Toolkit for Windows NT**

Retail Price: \$1,000  
Contact: Lori McEniry  
Phone: (514) 631-2592  
Fax: (514) 631-3092  
Available: Third Quarter 1993

*EiconAPPC features a full implementation of the LU 6.2 protocol as defined by IBM. It will communicate with any system, present or future, that supports the APPC standard.*

The EiconAPPC Developer's Toolkit for Windows NT facilitates the development of communications applications based on the IBM LU 6.2 protocol. EiconAPPC links to remote systems over either SDLC or X.25 lines at speeds of up to 128 kbps, or at LAN speeds to local or remote devices with a Token-Ring host connection. EiconAPPC supports multiple sessions between multiple SNA LU 6.2 nodes. EiconAPPC permits the same PU to be configured for LU 0, LU 1, LU 2, LU 3 and LU 6.2. Therefore, on the same SDLC line, one PU can simultaneously support 3270 sessions and LU 6.2 sessions.

Eicon Technology Corporation, 2196 32nd Avenue, Lachine, Quebec H8T 3H7

### **X.25 Network-Level Developer's Toolkit for Windows NT**

Retail Price: \$1,000  
Contact: Lori McEniry  
Phone: (514) 631-2592  
Fax: (514) 631-3092  
Available: Second Quarter 1993

*The X.25 Network-Level Developer's Toolkit for Windows NT is a powerful communications tool that allows developers to design custom solutions with the aid of an extensive C function library.*

The X.25 Network-Level Developer's Toolkit for Windows NT contains a library of C functions that provide a high-level interface to the X.25 data stream. Developers have complete control of all parameters for X.25 communications without low-level coding. The toolkit allows management of up to 254 concurrent virtual circuits and completely insulates applications from all protocol processing. Full access to X.25 User Facilities allows different facilities to be set for each individual virtual circuit. User defined window and packet sizes mean communications processing can be tailored for optimum performance.

### **Tools/Libraries: UI Abstraction**

Glockenspiel, Ltd., 39 Lower Dominick Street, Dublin 1 IRELAND

#### **Glockenspiel Common View**

Retail Price: Call  
Contact: Peter Maxwell  
Phone: 353-1-733166  
Fax: 353-1-733034

*Glockenspiel Common View is a C++ Programmer's Development Tool.*

Glockenspiel Common View version 3.1 is an extensible object-oriented framework built with C++. It provides a class library which represents typical GUI elements, like windows and menus. Glockenspiel Common view also solves the twin problems of portability and code complexity associated with GUI application development. By using Glockenspiel C++'s data-hiding and inheritance features, Glockenspiel Common View provides the power to build customized objects by deriving new classes from the existing Common View framework. The speed of creating an application is greatly reduced by simply redefining the behavior of objects.

Inmark Development Corp., 2065 Landings Dr., Mountainview, CA 94043

#### **zApp for Windows NT**

Retail Price: \$395  
Phone: (415) 691-9000  
(800) 3-INMARK  
Fax: (415) 691-9099  
Available: Now

*Object Oriented C++ Application Framework with Class Library provides over 150 object classes and portability across Windows NT, Windows, MS-DOS and OS/2.*

zApp for Windows NT is a C++ Application Framework that greatly simplifies the programming of Windows NT applications by providing 150 optimized, easy to use, object classes that encapsulate the Windows NT API. In addition to classes such as Windows, Dialogs, Controls, Menus, Fonts, and Bitmaps, zApp provides Object Persistence, MDI, Printing (with full banding support) and Memory Management. zApp for Windows NT is single source code compatible with zApp for Windows, zApp for MS-DOS, zApp for OS/2 and soon zApp for UNIX X/Motif.





Innovative Business Systems, Inc., 4105 Barnsley Lane, Suite 101, Olney, MD 20832-1238

### **Control Master**

Retail Price: Call  
Contact: Susan L. Steele  
Phone: (301) 570-9233  
Fax: (301) 570-4897  
Available: Third Quarter 1992

*Control Master's custom controls can give your project a 6 to 12 month head start on development.*

Control Master version 1.0 consists of 25 control classes designed for Windows, Win32, Windows NT and OS/2. IBS has created a set of custom controls that can eliminate most of the 6 to 12 months most companies spend at the start of a project building control classes. Control classes consist of the following: button controls—CheckBox, PushButton, RadioButton, SpinButton and BitButton; edit controls—ZipCode, Phone, SS Number, Time, Date, Address, Money, Picture, Edit and Static; list controls—ListBox, Virtual ListBox and MultiColumn; and miscellaneous controls—Knob Slider, ToolBar, Gauge and BitMap. Control Master classes allow full control over use of colors, fonts, local/global memory, focus before and after edit checks, security and auto placement.

Liant Software Corporation, 959 Concord Street, Framingham, MA 01701-4613

### **C++/Views**

Retail Price: Call  
Contact: Lisa Poleschner  
Phone: (508) 872-8700 x216  
Fax: (508) 626-2221

*C++/Views. The C++ class library for portable GUIs.*

C++/Views contains more than 100 proven object classes for C++ and GUI development. These classes shield you from the underlying GUI's API, slashing development time on GUI programming up to 75 percent. Applications created with C++/Views are portable across MS Windows, OS/2 PM, and UNIX/Motif, and others without modification. A powerful source code browser, C++/Browse\*, is included free. Complete source code is also free. No royalties. Now shipping C++/Views 2.0 for MS Windows 3.1, OS/2 PM, and UNIX/Motif. C++/Views Windows NT to be released during 1993. \$495 for Windows 3.1 version. Call for pricing on other platforms, or to receive a free demo diskette.

Zinc Software Incorporated, 405 South 100 East, 2nd floor, Pleasant Grove, UT 84062

### **Zinc Application Framework**

Retail Price: Call  
Phone: (801) 785-8900  
(800) 638-8665  
Fax: (801) 785-8996  
Available: December 1992

*Create powerful, objects-oriented, 32-bit Windows NT applications with Zinc application Framework 3.5.*

Create object-oriented, 32-bit applications for Windows NT with Zinc Application Framework 3.5. Zinc's multiplatform, C++ architecture also supports 32-bit OS/2 2.0 and UNIX Motif, as well as 16-bit Windows, MS-DOS graphics and MS-DOS text— ALL with ONE set of sourcecode. Zinc also makes it easy to rapidly create multiplatform resources. Zinc Designer runs on each target platform, creates platform-independent resources (persistent objects), provides direct access to the underlying class library, and allows you to directly attach your code segments to Zinc's window objects.

## Tools/Libraries: Other

Data Techniques, Inc., 1000 Business Center Drive, Suite 120, Savannah, GA 31405

### **ImageMan for Windows NT**

Retail Price: \$395  
Contact: John Davis  
Phone: (912) 651-8003  
(800) 868-8003  
Fax: (912) 651-8021  
Available: December 1992

*The easy way to add full featured, high quality image support to your Windows NT application. ImageMan provides complete support for importing images in most common PC file formats.*

ImageMan's object-oriented architecture allows you to display, print and import all types of images with the same set of function calls - your application's source code is always the same, no matter what the image type is. ImageMan fully supports TIFF, GIF, PCX, Targa, Windows Bitmap, Windows Metafile and Encapsulated Postscript formats. ImageMan for Windows NT comes complete with royalty free distribution and our full 90 day money back guarantee.

Dyad Software Corporation, 515 116th Ave. NE, Suite 120, Bellevue, WA 98004

### **M++**

Retail Price: \$495  
Contact: Gene Banister  
Phone: (206) 637-9426  
(800) 366-1573  
Fax: (206) 637-9428  
Available: October 1992

*M++ provides a complete math library for C++ including LINPACK linear system classes, and EISPACK eigenvector classes in a multidimensional array language extension to C++.*

M++ allows scientific programmers to quickly develop complex mathematical programs using advanced array handling features, dramatically reducing code development time and lines of code. M++ allows arbitrary indexing on arrays or sub-arrays. Spectral operations include FFTs, convolutions, and FIR/IIR filters. Indexing schemes and assembly language code in inner loops result in speed increases up to 8 times faster than equivalent C code. Advanced specialized modules available include Statistical Utilities, Least Squares, Optimization, Numerical Integration, and Ordinary Differential Equations.

IMSL, Inc., 14141 Southwest Freeway, Suite 3000, Sugar Land, TX 77478-3498

### **IMSL/Stat for Windows NT**

Contact: Ken Beck  
Phone: (713) 242-6776  
(800) 222-IMSL  
Fax: (713) 242-9799  
Available: June 1993

*A library of statistical functions implemented as a Dynamic Link Library (DLL) to solve a variety of statistical problems in areas such as quality control and financial analysis.*

IMSL/Stat for Windows NT is a comprehensive library of statistical functions that can be used to solve a wide variety of statistical analysis problems. IMSL/Stat for Windows NT allows the statistical programmer to realize significant savings in the time and cost of developing application programs. Statistical functions range from analysis of variance to random number generation to time series analysis and forecasting.

IMSL, Inc., 14141 Southwest Freeway, Suite 3000, Sugar Land, TX 77478-3498

### **IMSL/Math for Windows NT**

Contact: Ken Beck  
Phone: (713) 242-6776  
(800) 222-IMSL  
Fax: (713) 242-9799  
Available: June 1993

*A library of mathematical functions implemented as a Dynamic Link Library (DLL) for use in science and engineering.*

IMSL/Math for Windows NT is a collection of commonly needed numerical functions covering a wide range of areas in applied mathematics, including linear systems, eigensystem analysis, and optimization. IMSL/Math for Windows NT is easily integrated with IMSL/Stat and IMSL/Graph for Windows NT products.

JSB Corporation, 108 Whispering Pines Drive, Suite 115, Scotts Valley, CA 95066

### **Remote Execution Kit (REK)**

Retail Price: Call  
Contact: Christine Harlan  
Phone: (408) 438-8300  
(800) 359-3408  
Fax: (408) 438-8360  
Available: Third Quarter 1993

*Client/server API to UNIX. An MS Windows Applications Programming Interface which enables communications-independent client development to remote UNIX systems.*

A Client/server API which removes the problems of communications with UNIX systems, from development. The REK reduces the communications problem to a simple mechanism: OPEN CHANNEL, READ and WRITE. Once developed the Client application can communicate over all connection types supported by DeskTop.

JSB Corporation, 108 Whispering Pines Drive, Suite 115, Scotts Valley, CA 95066,

### **Virtual Socket Library**

Retail Price: Call  
Contact: Christine Harlan  
Phone: (408) 438-8300  
(800) 359-3408  
Fax: (408) 438-8360  
Available: Second Quarter 1993

*Protection from the changing world of TCP/IP software.*

An MS Windows development tool which delivers a single sockets style API to most popular existing PC TCP/IP stacks and provides binary compatibility with Windows Sockets API compliant TCP/IPs. communications-independent client development to remote UNIX systems.

An MS Windows development tool which interfaces to existing PC TCP/IP stacks, as well as providing compliance, through binary compatibility, to the emerging Windows Sockets API-compliant TCP/IP stacks.

Lantern Corporation, 63 Ridgemoor Drive, Clayton, MO 63105

### **MOVIE**

Retail Price: \$49  
Contact: Neal Thompson  
Phone: (314) 725-6125  
Fax: (314) 725-6125

*MOVIE is an animation utility for creating presentations and demonstrations.*

MOVIE version 4.5 is a Windows application that creates animation by capturing areas of the screen and playing back the captured images to produce motion. MOVIE bridges the gap between animation and presentation packages by enabling users to present any recorded frame in any movie files, in any order, for any length of time. It's 200KB size, \$49.00 price tag and ease of use make this package particularly attractive to users with limited disk space, a need to create presentations quickly or those who want to include animation in their presentations. As with any video recorder, MOVIE offers the standard Play, Record, Stop, Pause and Speed Control functions. MOVIE offers additional functions such as Loop for continuous play, Hold to pause between loops and an on-screen Remote Control that contains a subset of MOVIE's functions including frame information.

Mach 2 Systems, Inc., 7744 E. Montebello Ave., Scottsdale, AZ 85250-6164

### **ELF—Error and Message Logging Facility**

Retail Price: \$995  
Contact: Josetle van Stiphout  
Phone: (602) 941-4166  
Fax: (602) 946-7602  
Available: First Quarter 1993

*Fully featured error and message logging system for Windows 3.1 and Windows NT.*

ELF is a DLL which provides you with a easy and standardized way to log errors, warnings, statistics, debug info and other important data to disk and if necessary, display a user message on the screen, all with a single function call. Free specification of message layouts. You are also able to control the volume of messages to log, both to disk and to the screen. Source code to modify the message string table is included. ELF ships with a report generator to extract specific records from the logged data and store these in another file in a different layout.

MicroQuill Software Publishing, Inc., 4900 25th Avenue, #206, Seattle, WA 98105

### **SmartHeap**

Retail Price: \$395  
Contact: Tom Marvin  
Phone: (206) 525-8218  
(800) 441-7822  
Fax: (206) 525-8309  
Available: Now

*Fast, optimum memory management library with comprehensive error detection and debugging toolkit.*

Heap and fixed-size allocators maximize performance and flexibility. Includes ANSI C "malloc" and C++ "new," plus many other APIs. Fixes selector consumption, overhead, granularity, and fragmentation. Minimizes disk thrashing by localizing data structures in their own heaps. Uses just 12K at runtime. Detects double-freeing, memory overwrites, leakage, invalid parameters, wild pointers, etc. Programmatic error handling and heap-walking. Works with EXEs, DLLs, and device drivers. Bullet proof reliability. Who's who user base. 166 page manual. No royalties. Source available. 8 page detailed technical description.

Pixel Translations, Inc., 10062 Miller Ave., Suite 205, Cupertino, CA 95014

**PIX/View Developer's Kit – Win 32**

Retail Price: \$995  
Contact: Stephen Francis  
Phone: (408) 865-6600  
Fax: (408) 446-4852  
Available: December 1992

*High performance image display library.*

The PIX/View library provides exceptional performance for the display of binary and gray-scale images. It allows arbitrary scaling and rotation at speeds faster than most dedicated hardware. It transparently accesses the available capabilities of advanced display controllers. Standard image compression methods, including CCITT G3 and G4 are handled automatically. Applications include fax, OCR, and document image management. The Windows NT version joins support of the same API across MS-DOS, Windows 3.X, OS/2, and the Macintosh. Over 30,000 users worldwide enjoy applications based on Pixel's advanced imaging libraries.

Roundhill Computer Systems, Ltd., 1342 Avalon Court, Wheaton, IL 60187

**PANEL PLUS II**

Retail Price: \$495  
Contact: Steve A. Hersee  
Phone: (708) 690-3737  
Fax: (708) 665-9841

*Character based screen manager library.*

PANEL Plus II version 2.2 consists of a screen-management library together with tools to design screen layouts and generate C code for screen definitions. The library supports multiple virtual screens, scrolling regions, hierarchical pull-down or pop-up menu systems, and custom data validation. CUA/SAA compatible editing functions are provided. A Windows version is available. Under MS-DOS, PANEL Plus II can operate in text or graphics mode. Full source supplied. No library linking royalties charged. PANEL Plus II is also available for OS/2, XENIX, UNIX, AIX, SunOS, QNX, RMX and VMS.

Smart Tools, 18638 Martin Ave, Homewood, IL60430

**Reading Tool**

Contact: Paul Jurczak  
Phone: (708) 957-0054  
Fax: (708) 957-0743  
Available: Fourth Quarter 1993

*Exceptionally accurate and fast OCR engine and development tool kit that allows OCR to be integrated easily into applications for Microsoft Windows NT and Win32 environment on PCs and RISC workstations.* Reading Tool version 1.0 is based on an exceptionally accurate and fast recognition engine scalable from single CPU to multiprocessor and distributed systems. Using advanced gray-scale image processing and AI techniques, it is capable of recognizing text, numbers and symbols in almost any font and page layout. Structured output from the recognizer retains all detailed font and page layout information. The package includes object-oriented library written in C++ and optimized for each supported hardware platform. An affordable licensing schedule puts this cutting edge OCR technology at your finger tips.

Telephoto Communications, Inc., 11722-D Sorrento Valley Road, San Diego, CA 92121

**ALICE-WNT JPEG**

Retail Price: \$1,275

Contact: Mr. Marwan M. Kadado

Phone: (619) 452-0903

Fax: (619) 792-0075

Available: January 1993

*Premium performance products for compressing, decompressing, converting and displaying full-color or gray-scale continuous tone images.*

These products provide a cross-platform connectivity solution that satisfies the requirements of stand-alone systems or complex multi-platform networks. All ALICE products support software-only operations directly on host systems running under MS-DOS, Windows, Windows NT, OS/2, and UNIX. For applications requiring higher speed compression and decompression, optional hardware accelerators are available for PC/AT and PS/2 systems. ALICE's high quality compression, at ratios of better than 20-to-1, supports a variety of image archiving, image processing, multimedia, compound document and teleconferencing applications.

## Utilities

Amish Software, Inc, 541 Cowper St. Suite A, Palo Alto, CA 94301

### **Amish Utilities For Windows NT**

Retail Price: \$119  
Contact: Ted Matsumura  
Phone: (415) 323-4627  
Fax: (415) 323-0138  
Available: Now

*The Award Winning Amish Utilities for Windows are now available for Windows NT.*

This package offers users the ability to customize their Windows NT desktop environment. Amish Launch clears up your desktop, frees up system resources, and allows you to customize their Windows NT environment. Amish Desk is the original virtual desktop software. It allows you to view 64 full screen applications, all on a map window on your desktop. Amish File is an extremely fast and powerful file manager that simplifies using the new NTFS file system. Amish MemoPad will ensure you never lose or throw away important phone numbers, addresses, or directions with auto save, alarms, and printing capabilities. Amish Clock allows you to run programs at specific times, and Amish Mem gives you real time status of memory, disk space, and Windows NT resources.

Archive Software, 37 Skyline Drive, Lake Mary, FL 32746

### **AIM for Windows NT**

Retail Price: Call  
Contact: Kathy Botz  
Phone: (407) 262-8000  
(800) 541-2220  
Fax: (407) 262-4239  
Available: First Quarter

*Full featured 32 bit application for Microsoft Windows NT.*

Archive Information Manager (AIM) for Microsoft Windows NT, developed by the same company that provided the backup utility included with Microsoft Windows NT, is the first full featured Win32 backup product for Microsoft Windows NT offering users and network administrators an easy to use, comprehensive solution for backing up and restoring data on Windows NT workstations and servers. AIM provides complete support for backing up and restoring all Windows NT supported file systems and security, including FAT, HPFS and NTFS volumes. AIM supports all the popular SCSI controllers and tape drives.

ASPEN Technologies, Inc., PO Box 5727, Parsippany, NJ 07054

### **AWKtoC**

Retail Price: \$185  
Phone: (201) 316-0866  
Fax: (201) 316-5781  
Available: December 1992

*AWKtoC translates AWK command scripts to C language programs. These compiled scripts provide significant speed and security.*

AWKtoC comes to the aid of programmers who use the AWK command language. While AWK allows rapid solutions to many data handling chores, its interpretive nature also brings along some problems. Translating AWK scripts into C overcomes these difficulties. Compiled AWK scripts run much faster than normal. Since they are executables, the script is secure and safe from tampering. AWKtoC supports Microsoft Windows NT C, in addition to MS-DOS and UNIX systems.





Aydin Controls, 414 Commerce Drive, Ft. Washington, PA 19034

**5215/5217 Emulator**

Contact: Mike Denny  
Phone: (215) 542-7800  
Available: Second Quarter 1993

*The sophisticated graphics and communications flexibility of these emulators now have the added power of 32-bit applications.*

These applications emulate the Aydin 5215/5217 display generators to create and display real-time pictures for process control or monitoring. They are 100% compatible with the Data Trend Channel Set (DTCS), Dot Addressable Channel Set (DACs) and Trend Charting features. Selectable serial baud rates and networking options of Berkeley Sockets, NETBIOS, DECNET, etc. offer communications flexibility. Optimization to the Microsoft Windows NT system offers the user superior program execution.

Bay to Bay Software, 1630 N. Main St., Suite 439, Walnut Creek, CA 94596

**Brainstorm for Windows NT**

Retail Price: Call  
Phone: (510) 945-1073  
Available: February 1993

*Next-generation outliner and structured editor for Windows NT. Ideal thought processor for rapid outlining and prototyping.*

BrainStorm for Windows NT is a GUI tool for rapid integration of thoughts and ideas. Allows multiple views of same outline as well multiple outlines open simultaneously. Cut and paste outlines and structures. Customizable fonts and colors. Win3.1 version also available. OEM inquiries welcomed. Beta sites solicited for early Dec 92 beta.

Best System International Limited, 903 Kin Tak Fung Comm. Bldg., 467-473 Hennessy Road, Hong Kong

**Virtualizer**

Retail: \$300  
Phone: +852 838-6018  
Fax: +852 572-4718  
Available: June 1993

Virtualizer is a distributed personal virtual object framework environment. It enables users to virtualize abstract objects into various forms for composition and manipulation interactively, and in both local and wide area network environment. Virtualizer brings PC users technologies from object oriented database, multi-media, framework, window, and networking.

BGW Computers, 5238 Holiday Road, Minnetonka, MN55345

### **UUtil**

Retail Price: \$49.95  
Contact: Ben Witso  
Phone: (612) 934-3986  
Available: Fourth Quarter 1992

*UNIX-like utilities for Windows NT Single Command Shell.*

The UUtil package includes the most common UNIX shell commands and programming utilities in Windows NT Single Command Shell executable form. Also included are a set of batch commands that mimic the UNIX commands using Windows NT Single Command Shell commands, giving UNIX functionality with small disk space requirements. The next release will add a Windows interface to the commands in addition to the command line versions.

Chrisalan Designs, Inc., 815 Lambert St., PO Box 775, Wenatchee, WA 98807-0775

### **CDi ShortCuts Pro NT**

Retail Price: \$199  
Contact: Stuart Wyatt  
Phone: (509) 663-7770  
(800) 472-7949  
Fax: (509) 662-5948  
Available: December 1992

*Outstanding management tool for Microsoft Windows NT with the flexibility and simplicity everyone strives for. Has the power of a programming language available just below the surface.*

CDi ShortCuts Pro NT version 1.0 is a management tool for Microsoft Windows NT users, that combines functions including program launching, dialing, scripting, scanning, file conversion, system maintenance, text-data-voice-video email, remote control, and much more, all of which can be chained, scheduled, and dynamically linked. ShortCuts integrates multiple tasks in Windows and reduces them to a single click of a button. The user interface and operating preferences can be configured for any comfort level; as plain or as flashy as you desire. ShortCuts merges, in a single application, beginner-level ease of use with the powerful functionality and integration a programmer expects.

Clysmic Software, PO Box 2421, Empire State Plaza, Albany, NY 12220

### **Clysmic Drag 'n' Drop Utilities for Win NT**

Retail Price: \$24.95  
Phone: (518) 438-5548  
Available: December 1993

*Clysmic Drag 'n' Drop Utilities for Windows NT provide easy-to-use functionality for the Windows NT desktop.*

The Clysmic Drag 'n' Drop Utilities for Windows NT provides unique functionality for your 32-bit desktop, including PaperDrop - drag .BMP files and drop to change the wallpaper; Recycler - deletes unwanted files; EXEType, drag 'n' drop an EXE file to find out whether its a Windows NT, OS/2, Win16 or MS-DOS executable; and more!

Clysmic Software, PO Box 2421, Empire State Plaza, Albany, NY 12220

**Clysmic Icon Bar (Clysbar) for Win NT**

Retail Price: \$39.95  
Phone: (518) 438-5548  
Available: May 1993

*The Clysmic Icon Bar for Windows NT - the premier icon bar comes to the 32-bit desktop.*

The Clysmic Icon Bar for Windows NT brings the popular Windows 3.1 program launcher to the 32-bit desktop. Features include variable size buttons, nested tree-structured sub-icon bars, icon extraction from EXE/DLL/ICOs, variable colors and a number of clicks to launch. Also drag drop in program launch. Supports icons for MS-DOS programs, Startup icon bar more. Launches Win32, Win16, MS-DOS, and OS/2 programs.

Cool Technologies Cool, CA, PO Box 158, Cool, CA 95614-0158

**CT WayBack 1.0**

Retail Price: \$399  
Phone: (916) 889-1160  
Fax: (916) 889-9409  
Available: March 1993

*Provides a new level of 3480, 3490, and 9-Track Tape Services using the power of Microsoft Window NT.*  
CT WayBack 1.0 has standard interchange capabilities as well as the latest data exchange techniques, while providing a new level of utility. A rich feature set includes: Tape-to-disk and disk-to-tape copy operations with blocking, translation, and positioning options (labeled and unlabeled tapes); Backup and restore w/w/o compression; Screen image display and data modify; On-screen label editing; Customizable for mission critical apps; Includes support for upgrading via DLLs; Includes support for DDE.

Coromandel Industries, Inc., 70-15 Austin Street, Third Floor, Forest Hills, NY 11375

**ObjecTrieve for NT**

Retail Price: \$799  
Contact: Dorai Swamy N. Thodla  
Phone: (718) 793-7963  
(800) 535-3267  
Fax: (718) 793-9710  
Available: November 1992

*ObjecTrieve for Windows NT - A fast multi-user ISAM data manager.*

ObjecTrieve for Windows NT is a 32 bit implementation of ObjecTrieve data manager. ObjecTrieve supports: Multiple variable length fields, Embedded data definition, Unlimited segmented keys with automatic index compression, BLOBs ( Binary Large OBjects) as fields in a database record, Multiple data access streams, Available for MS-DOS, Windows, Windows NT and UNIX.

Data-Micro Systems, 8147 SW 184th, Beaverton, OR 97007

**DMS nt/SX**

Retail Price: \$795  
Phone: (503) 649-9376  
Available: First Quarter 1993

*System Performance monitor and playback utility based on RPC network calls to aide managing network enterprise computing systems that utilize Windows NT.*

DMS nt/SX is a system performance management utility for X86 platforms using Windows NT. This utility collects and displays CPU loading, memory utilization, disk i/o, and network i/o activity, for both real-time and archive data on Windows 32. Remote systems are queried through RPC calls for fast and efficient analysis of multiple nodes on a computing enterprise network. Typically, a weeks view of crucial parameters, representing 5 min averages can be viewed on a single display. Displays can be a single-node vs multiple parameters, or multiple-nodes vs a single parameter format

Data-Micro Systems, 8147 SW 184th, Beaverton, OR 97007

**DMS nt/QX**

Retail Price: \$595  
Phone: (503) 649-9376  
Available: December 1992

*Distributed Batch Queue Manager based on RPC network calls enhances overall performance for enterprise computing systems that utilize Windows NT.*

DMS nt/QX offers a sophisticated Batch Queue Manager System with easy to use setup and control windows for scheduling jobs across enterprise networks of CPU nodesrunning Windows NT. Any number of virtual queues can be setup and assigned to CPU nodes in various work group configurations. Each queue has parameters that control a number of concurrent jobs, run-time priorities, and system resources allocated to jobs. Initial release supports X86 platforms, with MIPS and ALPHA versions available Q2 '93.

Digital Control Systems, PO Box 505, Hermitage, TN 37076

**WISH**

Retail Price: \$69.95  
Contact: Royce Shofner  
Phone: (615) 889-6357  
Available: Spring 1993

*Command shell for Windows NT with script file capabilities similar to the Bourne & Korn shells.*

This CMD.EXE replacement provides Unix shell functions for Windows NT and Win32. The more popular utilities such as DIFF, GREP, SED andmany others are also made available.

DPRSoftware, 1973 Safari Tr., Eagan, MN 55122-2677

### **ERDmodel**

Retail Price: \$899  
Contact: Dan Riesland  
Phone: (612) 454-7704  
Available: December 1992

*ERDmodel is used to graphically draw an Entity-Relational diagram of your DBMS and generate the schema DDL to create your database.*

ERDmodel is used to graphically draw an Entity-Relational diagram of your DBMS and generate the schema DDL to create your database. RDBM'S supported include INGRES, DB2, ORACLE, SQL Server and others.

Erudite Software, 2408 Glenmary Ave., Louisville, KY 40204-2103

### **Noise for Windows NT**

Retail Price: \$49.95  
Phone: (502) 451-7712  
(800) 78-NOISE  
Fax: (502) 451-7681  
Available: December 1992

*NOISE for Windows ... Entertainment for your brain!*

*NOISE for Windows brings your PC to a whole new dimension.*

Finally you can get audio feedback from Windows. Windows now includes the ability to play CD quality sound from your PC. Noise for Windows adds something Windows does not. It adds sound to everyday events in your Windows environment. Picture moving a window and hearing a two ton stone dragging across the earth. Hear, for the first time, your window minimizing. Feel the power when you press the delete key and your PC responds with a thermonuclear explosion. You can select from MIDI notes, prerecorded sounds, even from sounds that you have recorded.

HI-COMP America, Inc., 419 Canyon Ave., Suite 215, Ft. Collins, CO 80521-2670

### **HIBACK**

Retail Price: \$129  
Phone: (303) 224-9700  
(800) 323-8863  
Fax: (303) 224-9702  
Available: December 1992

HI-COMP offers backup and archival products HIBACK and HIBARS which are designed to support multiplatform, network backup solutions supported by Optical and other mass storage media. These products allow automated backup support overthe network.

Hippo Software Inc., 448 East 400 South, Suite 303, Salt Lake City, UT 84111

### **HIPPIX**

Retail Price: \$179-\$239  
Phone: (801) 531-1004  
Fax: (801) 531-1302  
Available: March 1993

*HIPPIX (TM) provides a powerful set of command-line utilities and programming libraries for Microsoft Windows NT that are similar to those found in the UNIX (R) operating system from AT&T.*

The HIPPIX utilities comprise over 100 commands implementing most of the IEEE POSIX 1003.2 and 1003.2a draft standards. These utilities include: awk—a pattern-directed scanning and processing language, grep—searches file contents for a pattern, sh—an interactive-command and batch scripting language, vi—a screen-oriented text editor, and programming utilities such as lex, yacc, and rcs—a revision control system. Additionally HIPPIX provides a programming library, supporting over 90% of the functions of the POSIX 1003.1 system API. Unlike the POSIX 1003.1 subsystem in Windows NT, this library can be used with Win32 API calls.

Horizons Technology, Inc., 3990 Ruffin Road, San Diego, CA 92123

### **POWER! Search Professional for Windows NT**

Retail Price: Call  
Contact: Phil Morettini  
Phone: (619) 292-8320  
Available: February 1993

*Locate files ANYWHERE on your local or Network Disks in an instant with POWER!Search text retrieval software with “Fuzzy Searching” ability.*

POWER!Search for Windows NT is a powerful, full-featured program that can be used for searching your entire network. With a distributed architecture, POWER!Search has the power and speed to both index and search at extremely fast rates, making complex searches involving large amounts of data both easy and practical. The Fuzzy Search Engine allows retrieval of text that has characters which are extra, missing or out of place versus the text string entered. The Engine can be “dialed” to yield exact matches only, or words that are closely related. A full complement of file viewer and search techniques are included. POWER!Search for Windows NT was designed from the ground up with 32-bit power and LAN environments in mind. POWER!Search for Windows is available in Single user, 6 user, and unlimited Single-Server versions.

INGRES, 10800 Marine Village Parkway, Alameda, CA94501

### **INGRES/Windows4GL 2.0**

Retail Price: Call  
Phone: (510) 769-1400  
(800) 4-INGRES  
Available: Second Quarter 1993

*INGRES/Windows4GL: graphical application development tool provides unsurpassed programmer productivity.*

INGRES/Windows4GL is the premier fourth-generation language (4GL) environment for developing graphical, object-oriented applications. Fully portable across major hardware platforms and operating systems, INGRES/Windows4GL is designed to rapidly develop and deploy client/server applications in a heterogenous computing environment. INGRES/Windows4GL, the most powerful graphical application development tool available today, allows users to take full advantage of the 32-bit capabilities and performance of Microsoft Windows NT.



IX, 575 W Madsion #3610, Chicago, IL 60661

### **Open-REXX/NT**

Retail Price: \$195  
Phone: (312) 902-2149  
Fax: (312) 902-2154  
Available: Fourth Quarter 1992

Open-REXX for NT is a powerful modern language for scripting and automation designed for people, not machines. It has features that are not in languages from the 1960s such as BASIC. REXX is the standard scripting language on the Amiga, OS/2 and IBM mainframes and is becoming an ANSI standard. Open-REXX's powerful string manipulation facilities (including its ability to execute strings containing REXX statements at run time) and its ability to share data with and issue commands to Windows applications through DDE/OLE/clipboard, make it the ideal scripting language for Windows. Open-REXX also has an interface to many Windows NT facilities, such as Registration and Resource Management.

JP Software, Inc., PO Box 1470, E. Arlington, MA 02174

### **4DOS® for Windows NT**

Retail Price: \$69  
Phone: (617) 646-3975  
(800) 368-8777  
Fax: (617) 646-0904  
Available: Second Quarter 1993

*New version of JP Software's award-winning 4DOS command processor, tailored specifically for Windows NT and offering a wide range of command-line capabilities. Substantially enhances usefulness and productivity of the command line.*

4DOS® for Windows NT is a complete, compatible replacement for the default Windows NT command processor (CMD.EXE), offering unparalleled power and flexibility at the command prompt and in batch files. It enhances most Windows NT commands, and adds over 80 new commands, variables, and functions to aid everyone from novice users to experienced batch programmers. Features include command line editing, command history and recall, user-defined aliases for common commands, and file descriptions up to 120 characters long for FAT, NTFS, and HPFS files. 4DOS for Windows NT is fully compatible with CMD.EXE and with 4DOS, JP Software's award-winning command processor for MS-DOS.

LeBlond Software, Inc., 10921 Reed Hartman Highway Suite 314, Cincinnati, OH 45242

### **Oriel for Windows NT**

Retail Price: \$49.95  
Phone: (513) 745-9990  
Fax: (513) 745-9666  
Available: First Quarter 1993

*Graphics based batch language for Windows NT.*

An enhanced version of the acclaimed graphics-based batch language for Windows 3.1, Oriel for Windows NT supports over 100 commands for directly accessing the color and drawing capabilities of the Graphics Device Interface (GDI), allowing you to create custom windows that contain graphic shapes, bitmaps, message boxes, list boxes, and 3-D buttons. Example applications include creating customized menu systems, writing powerful file handling utilities, and creating your own installation programs, demos, and prototypes. Oriel for Windows NT will be bundled with Windows NT Power Tools from Bantam Electronic Publishing.



Mark Berlinger, 1317 N San Fernando Blvd. #133, Burbank, CA 91504

### **Notebook For Windows NT**

Retail Price: \$20  
Contact: Public Software Library  
Phone: (713) 524-6394  
(800) 2424-PsL  
Fax: (713) 524-6398  
Available: Now

*Notebook is a general purpose Windows NT text editor with the extra features to replace Notepad while remaining nimble and easy to use.*

Notebook was created to edit huge files. Uses are composing notes of any size, browsing any file, and programming. In addition to standard editing functions are many important file, search, display, printer and page features which make Notebook a useful file utility. The registration fee is \$20 US to the author which includes the registered use of Notebook for Windows 3.1. The registration fee by credit card only is \$26 US to PsL. Standard site license fees are \$75 for 10 PCs to \$300 for an unlimited number of PCs.

Mastersoft, Inc., 6991 E. Camelback Rd., Suite A320, Scottsdale, AZ 85251

### **Word for Word for Windows NT**

Retail Price: \$149.95  
Contact: Lise Lambert  
Phone: (602) 277-0900  
Fax: (602) 970-0706  
Available: Third Quarter 1993

*Document conversion filters for over 90 file formats including word processing, spreadsheet and data base formats.*

The Word For Word document conversion technology allows both end users and OEM customers to convert a vast majority of file formats from one type to another. Converted file retains full editing and printing capabilities. Page layout features retained include text attributes, paragraphs, tabs, margins, indents, columnar text, etc. Viewer technology allows viewing a file without opening the original application.

Maynard Electronics, A Division of Archive, 36 Skyline Drive, Lake Mary, FL 32746

### **MaynStream for Windows NT**

Contact: Anne Lardner  
Phone: (407) 262-4268  
(800) BACKUP1  
Fax: (407) 263-3555  
Available: First Quarter 1993

*MaynStream for Windows software, the first Windows-based backup solution designed for individual PC and network users, utilizes the Microsoft Windows graphical user interface to complete backup operations for local drives, servers and remote workstations.*

Microsoft has licensed the Maynard data backup services for inclusion in the Microsoft Windows NT operating system. Maynard was selected to develop the Windows NT Backup Utility on the basis of Microsoft's experience with MaynStream for Windows software, the Maynard backup solution based on Microsoft Windows. Maynard offers two software packages that deliver graphical and intuitive tape backup features to a broad range of Microsoft Windows 3.1 users from the corporate PC LAN administrator to the home PC user. MaynStream for Windows software is for stand-alone and comprehensive PC LAN environments and Irwin EzTape for Windows software is for stand-alone and entry-level LAN applications.

MPSI, Ltd., 35 DiRubbo Drive, Peekskill, NY 10566

### **Tasker for Mouse**

Retail Price: \$49  
Contact: Roger Grossman  
Phone: (914) 739-4477  
Fax: (914) 739-4477  
Available: Now

*Unique Windows Desktop utility designed to keep your fingers off the keyboard and on the mouse where they belong. Configure Tasker for Mouse to perform any action you choose when you click or double-click any mouse button on the Tasker for Mouse icon.*

Tired of reaching for the keyboard to perform tasks which could be performed with the mouse if only...? Tasker for Mouse picks up where Windows left off. Simply configure any mouse action you want to reprogram (up to six actions, three mouse buttons - click or double-click) to perform any action including launching any application, operating system command or even bringing up Task Manager. Tasker for Mouse autoloads on system startup; when you click or double-click any mouse button on the Tasker for Mouse icon the preprogrammed action is performed.

Olivetti, Via Jervis 77, 10015 Ivrea, Italy

### **Application Monitor**

Contact: A. Carletto  
Phone: +39 125-5200  
Available: October 1993

Application Monitor controls the accesses to system resources (information, users, applications, workstations, HW devices). It knows which are the enabled users, to access which applications, from which workstations. The main functions provided are: user identification/authentication (DES password); access/activity control; unique user login (silent login to other environments like OIS, RDBMS, UNIX, LAN Manager); SW integrity (CRC-based validity check); HW integrity; WS identifier check; smart card integration. API to access A. M. profiles from inside the application to perform specific controls, to structure applications in controlled tasks and subtasks.

Paragon Consulting Group, 4212 West Cactus, Suite 1110-229, Phoenix, AZ 85029

### **Paragon Application Manager**

Retail Price: \$49  
Phone: (602) 437-9566  
Fax: (602) 437-9566 Ext 77  
Available: First Quarter 1993

Paragon Application Manager (P.A.M.) is an innovative new system utility which makes launching and manipulating multiple, running applications a snap. Essentially P.A.M. is a highly configurable (through drag-n-drop) icon bar. But it's abilities go far beyond that. P.A.M. is also a virtual desktop manager with features not found in any other product currently available. P.A.M. also includes a set of useful utilities for tasks like launching applications on a set date and time, and changing system parameters like the current wallpaper, and much more!

PDS Engineering, 401 W Main, Suite 303, PO Box 458, Norman, OK 73070-0458

### **Win SCSI-NT**

Retail Price: \$125  
Contact: Roger Ryan  
Phone: (405) 329-2223  
Fax: (405) 329-7373  
Available: May 1993

*Ability to interrogate and display SCSI target device information. Provides a mechanism for modifying SCSI target device configuration parameters. A MUST for serious SCSI users!*

WinSCSI-NT is a system maintenance tool which will interrogate and display SCSI target information including mode page information, inquiry data, and defect data. Also the SCSI device mode pages can be modified, if desired. This feature can be disabled. The ability to retrieve and modify device data is subject to the target device SCSI compliance. This version is specific for the Microsoft Windows NT operating system.

Rainbow Technologies, Inc., 9292 Jeronimo Road, Irvine, CA 92718

### **Sentinel**

Retail Price: Call  
Contact: Sales  
Phone: (714) 454-2100  
(800) 852-8569  
Fax: (714) 454-8557

*The Sentinel family of hardware keys is the world's leading software protection system for developers working in the IBM PC compatibles, LAN and Apple Macintosh computer environments.*

The Sentinel family of hardware keys is the world's leading software protection system for developers working in the IBM PC compatibles, LAN and Apple Macintosh computer environments. Sold directly to developers and comprised of a hardware key and software drivers, the Sentinel secures developer revenue and protects the software program from unauthorized execution without any of the negative side effects of traditional "copy protection". The Sentinel allows end-users the freedom to create an unlimited number of backup copies while simultaneously protecting the user from inadvertent license violations and legal exposure by controlling the number of copies that can be executed. In order for Sentinel protected software to be executed, the Sentinel key must be connected to the parallel printer port.

Silicon Graphics, 2011 N. Shoreline Blvd., Mountain View, CA 94039-7311

### **MIPS Magnum 4000 and Millenium 4000**

Retail Price: Call  
(800) 988-6477  
Fax: (415) 903-1908  
Available: Now

The MIPS ARCSysystem is a new generation of PC-compatible systems. Since it is based on the advanced RISC processor, it offers two to three times the performance of contemporary x86-based PCs. With Microsoft Windows NT, the ARCSysystem offers application binary compatibility & performance upgradeability with future PC markets. The combination of advanced processor architecture, software compatibility and standardized hardware makes this ARCSysystem family the leading contender as the PC system for the decade.

White Lightning Software, PO Box 922, Mill Valley, CA 94942

**White Lightning Toolkit**

Retail Price: \$199

Contact: Timothy H. White

Phone: (415) 388-3664

Available: Summer 1993

*Comprehensive software toolkit for the Windows NT power user.*

Includes file search utility, disk status reporting utility, file and directory manipulation utilities and more.

Also includes several utilities common on UNIX systems such as diff, touch, tr, wc, mv, rm, head, tail, tee, etc.

## Vertical Applications

Akzo Coatings, 2374 East Pacifica Place, Rancho Dominguez, CA 90220

### **Shop Vision Plus**

Retail Price: \$995  
Contact: Michael Hastings  
Phone: (310) 762-1161  
Fax: (310) 762-6894  
Available: December 1993

*Unmatched computerized body shop management systems for complete shop control and maximum profits!*

SHOP VISION PLUS - Akzo's modular computerized body shop management system

makes body shops more profitable! Freedom of estimating guides (ADP, Mitchell, CCC), automated repair orders, profit projection per job, and automated parts ordering. By adding additional modules, a shop can display production status screens, create work schedules for employees, track shop productivity. Full accounting modules includes A/R, A/P, G/L, and complete financial reports (income statements, balance sheets, MTD, QTD, & YTD totals, etc.) and payroll too! Integration with paint mixing systems for full inventory control!

Applied Business Technologies, Inc., 4631 West Chester Pike, Newtown Square, PA 19073

### **ABT CAMPUS® v4.4**

Retail Price: Call  
Contact: Stuart J. Maleeff  
Phone: (215) 359-0700  
(800) 220-2281  
Fax: (215) 359-1351  
Available: Now

*Collegiate Administrative Software System. Provides fully integrated, client/server, networked MIS which takes full advantage of Windows NT. Offers total desktop computational solutions to small colleges.*

ABT CAMPUS version 4.4 is an integrated set of applications specifically designed for the administrative needs of Colleges and Universities. ABT CAMPUS v4.4 utilizes the features of the Windows NT environment in conjunction with a client/server network architecture to produce a flow and interchange of information across the college campus. ABT CAMPUS v4.4 uses SQL-compliant data base management systems and report writers to provide maximum user flexibility. The software system is the central portion of the overall support and consultative services offered by the company.

Arbor Image Corporation, 230 Collingwood, Suite 250, Ann Arbor, MI48103

### **Draftsman for Windows**

Retail Price: \$199-\$1,695  
Contact: Thomas Gray  
Phone: (313) 741-8700  
Fax: (313) 741-8806  
Available: First Quarter 1993

*High quality raster to vector conversion program uses Windows NT to seamlessly interface with "heads-up" digitizing program from Arbor Image Corporation.*

Draftsman is a raster to vector conversion program that automatically converts scanned raster images into CAD files. Draftsman-created drawings are made of lines, arcs circles and polylines. Editing is a snap because Draftsman's drawings are made of entities that your CAD program supports. Draftsman supports many CAD formats including DXF, DXB, IGES and others, so no matter what popular CAD program you have Draftsman converted drawings can be imported. Raster files supported by Draftsman include PCX, and RLC.



Berman Technologies Corp., 301 East High Street, Charlottesville, VA 22902

**Cross Sell Manager®**

Contact: Phillip H. Rice  
Phone: (804) 971-5989  
Fax: (804) 293-5916  
Available: March 1993

*Cross Sell Manager now available for Windows NT, continues to protect application investment!*

Cross Sell Manager is a tool designed to allow Financial Institutions, Distributors, and Independent Authoring Organizations to build, maintain, and enhance Branch Automation applications. Cross Sell Manager branch solutions such as Teller Transaction Systems, Platform Selling Stations and Loan Applications, currently available, can now be used in Windows NT environments. Originally an MS-DOS application, Cross Sell Manager is portable and is currently installed in multiple environments including, Windows 3.1, OS/2, Unix, and now, with full authoring migration and investment protection, Cross Sell Manager for Windows NT. Cross Sell Manager protects application investments across multiple environments.

Caliper Corporation, 1172 Beacon Street, Newton, MA 02161

**TransCAD®**

Retail Price: \$2,995-\$9,995  
Phone: (617) 527-4700  
Fax: (617) 527-4700  
Available: September 1993

*The ultimate tool for transportation, distribution and operations research, including a logistics toolkit and application development facility.*

TransCAD is a geographic information system (GIS) that helps transportation professionals store, display, manage, and analyze transportation data of all types. State-of-the-art network analysis procedures and transportation models are provided for immediate application. TransCAD is ideal for building transportation information systems for traffic data, accident analysis, and routing/scheduling and is used by leading organizations worldwide for these applications.

Canaan Analytics, Inc., PO Box 111, New Castle, DE 19720-0111

**Monocle**

Retail Price: \$495  
Contact: Annette R. Keating  
Phone: (302) 984-2237  
Fax: (302) 984-2923  
Available: December 1993

*Real-time financial market information delivery system combining the power of RISC workstations with the ease of use of Windows.*

Monocle enables you to optionally view a scrolling ticker across multiple work stations and select the volume parameters you wish to monitor. Individual watch lists for special industry groups may be maintained for numerous securities and on a wide selection of criteria provided by external data feeds. Included in these features is the ability to monitor NEWS items and to dynamically edit, cut, paste and link this information into word processors and spreadsheets. The system provides sophisticated, real-time, decision support tools for Corporate management, Executives in the Financial Community, Money Managers, Securities Analysts and Investors, to name a few. Anyone who requires financial information or is influenced by it will benefit from this service.

Card & Associates -Research & Development, Box 153 RR1, Newport Rd., Utica, NY 13502

### **Profit Picker**

Retail Price: \$750  
Contact: Stuart W. Card  
Phone: (315) 735-1717  
Fax: (315) 735-8469  
Available: December 1993

*Profit Picker is a technical analysis program which identifies stock, commodity and other investment / trading opportunities by statistically analyzing historical and current market data.*

Profit Picker is the only program which performs statistical analysis on the full DBC Signal data feed. It calculates meaningful indicators, including True Volatility; computes statistics on raw data and indicators; and sorts all indices and instruments on those statistics according to user-defined criteria. Don't rely on 'expert' recommendations which get you in and out too late, are just hype, or simply prove wrong too often—pick 'cherry' investment / trading opportunities for yourself as they arise. Your favorite automatic or manual system will make more by trading instruments with the most profit potential, as identified by Profit Picker.

Helix Systems, Inc., 1860 Embarcadero Road, Palo Alto, CA 94303

### **ResearchStation**

Contact: Ms. Kitty Kinsman  
Phone: (415) 812-1074  
Fax: (415) 493-3600  
Available: June 1993

*Empowered by Helix Systems and Windows NT, the scientific researcher is now able to rapidly develop and share ideas without the computer hassles.*

ResearchStation is an integrated set of software tools designed to support the efficient work flow of biologists, chemists and other scientists engaged in research activities. Data created in this desktop environment is easily shared between researchers working in a group. Transcripts are created for future reference and a scientific notebook is automatically maintained. The system employs powerful browsing technology and intelligent tools that can identify subtle trends in data sets. RS Integrates current applications including those you've built yourself. Sound, video, images and text are automatically organized and waiting for you.

Impact Technologies Group, Inc., 8604 Cliff Cameron Drive, Suite 190, Charlotte, NC 28269

### **MAXCESS**

Retail Price: Call  
Contact: Kevin Clay  
Phone: (704) 549-1100  
(800) 438-6017  
Fax: (704) 549-5700  
Available: December 1992

*A cost effective path to Windows NT for the Insurance Industry, delivering sophisticated illustrations for whole life, universal life, annuities, second to die policies and supporting sales presentations.*

MAXCESS is a suite of development tools designed for the Insurance Industry. With MAXCESS, programming departments can produce source code for all policy calculations that will compile for MS-DOS, Windows 3.1, and Windows NT without additional programming. This gives companies a cost effective way to continue supporting agents with MS-DOS only computers while providing sophisticated agents a complete integrated illustration system on Windows 3.1 and Windows NT. MAXCESS technology gets your products and new sales ideas to market quickly and provides unprecedented sales power.





In-Tech, 2412 Calico St., PO Box 4673, Las Vegas, NV 89108

**Food & Beverage Toolkit**

Retail Price: \$495  
Contact: Kevin Crawford  
Phone: (702) 646-5523  
Available: June 1993

*The Food & Beverage Toolkit is an integrated inventory, purchase order and vendor maintenance software platform designed for use in a high-volume restaurant environment.*

The package was designed to provide flexible and instantaneous tracking of inventory and purchase orders in a multi-user and mutli-company environment. Combined with the powerful graphics interface of Windows NT, managers can quickly monitor inven-tory levels, par levels, recommended reorder quantities, waste factors, and theoretical as well as actual food costs.The system also maintains a complete vendor bid and purchase history for easing auditing.The industry standard database manager will allow the end-user to easily integrate a 4GL or SQL.

In-Tech, 2412 Calico St., PO Box 4673, Las Vegas, NV 89108

**SlotTech**

Retail Price: \$495  
Contact: Kevin W. Crawford  
Phone: (702) 646-5523  
Available: March 1993

*The SlotTech Accounting System offers superb slot machine reporting in a high-volume casino environment.*

Optimized for use with the powerful Windows NT graphical interface, the SlotTech Accounting System is designed to help streamline the daily operations of a busy slot department. By maintaining a graphical casino floor layout, the end-user can easily and accurately track performance of specific areas and carousels. Interfaces to popular coin scales automate the daily entry of coin drops.The industry standard database manager will allow the end-user to customize reporting via a 4GL or SQL.

Redstone Development Corporation, 168 South Holman Way, Golden, CO 80401

**Broadcast Station Managemnet System**

Retail Price: \$10,000-\$40,000  
Contact: Habib (Bibo) Diyab  
Phone: (303) 745-0390  
(800) 932-3238  
Fax: (303) 279-0909  
Available: June 1993

*An integrated computer software package designed for the broadcast industry's unique and specific needs.*

Broadcast Station Management System for the Windows NT operating system fully integrates the administrative functions of radio, television, and cable broadcast stations. The system handles daily program logs, availabilities, prospect management, media inventory, production, order entry, billing and accounts receivable.

The Judge Group, 150 Monument Rd., Suite 402, Bala Cynwyd, PA 19004-1707

**Judge 2000**

Retail Price: Call  
Contact: Richard A. Nicolella, Jr.  
Phone: (215) 667-7700  
Fax: (215) 667-1058  
Available: October 1993

*Exciting, Powerful, yet simple Document Imaging System.*

The Judge 2000 PC Based Imaging System stores unlimited amounts of paper. Geared for the small but expanding office. This low cost system is completely expandable and is easily cost justified by providing immediate access to your documents in seconds. Approved by Federal and State Governments, this easy to use document management system solves tomorrows problems...today.

Wetherly International, 602 First Street, Langley, WA 98260-9601

**Winn NT**

Retail Price: \$2,295  
Contact: John Darby  
Phone: (206) 221-0474  
(800) 338-8880  
Fax: (206) 221-0479  
Available: April 1993

*Our hotel and resort management system uses the power of Windows NT to deliver a complete solution at an affordable price.*

Winn NT provides the hotel or resort with a full-featured system, combining over twenty years of hotel management experience with the power and ease of use of Windows NT. Included in the base package are Reservations, Front Office, Housekeeping, Cashiering, Guest History, Accounting, and a self-paced Training system. Interfaces to popular Reservations, Point of Sale, Telephone, and Credit Card Authorization systems are available options. Seven day a week, twenty-four hour a day Support keeps your system running smoothly so you can concentrate on running the hotel.

## Workgroup/Groupware Systems

Lenel Systems International Inc., 19 Tobey Village Office Park, Pittsford, NY 14534-1763

### **MediaOrganizer For NT**

Retail Price: \$495  
Phone: (716) 248-9720  
Fax: (716) 248-9185  
Available: March 1993

*A multimedia "object management" application to manage, retrieve, play and present multimedia data in a variety of formats from a range of storage media including videotapes and laser discs.*

MediaOrganizer for NT allows user to create multimedia databases for video, audio, animation, graphic and document data. Free-text names and descriptions can later be searched to retrieve multimedia data. Supports analog and digital media including CD-ROMs, videotapes and laser discs. Embed multimedia data in other applications through OLE. Create "shows" with synchronized audio, video, animation and graphics. MCI engine controls video decks, laser disc players, CD-ROM drives, video and audio boards. Supports major animation, audio, video, graphic and document formats. Multimedia mail feature. Fully compatible with Lenel's MediaDeveloper development engine.

Lotus Development Corp., 55 Cambridge Parkway, Cambridge, MA 02142

### **Notes**

Contact: Cliff Conneighton  
Phone: (617) 577-8500

Notes is an environment for developing applications which enable groups of people to work together more effectively. Notes is unique. It specifically addresses a class of high-impact, low-risk departmental business applications which, prior to Notes, were impractical to build. Notes is based on a true client-server implementation of a secure replicated object store, which can be thought of as a document data base.

Mission Critical Software, 14536 Island Drive, Sterling Hgts., MI 48313

### **Clock-IN!**

Retail Price: \$499  
Contact: Mr. Dean Hiller  
Phone: (313) 247-0394  
Fax: (313) 247-8444  
Available: January 1993

*Clock-IN! provides bar coding, timeclock, data collection, professional time tracking, proprietary bar code terminal server, time tracking and resource tracking.*

Clock-IN! is a Windows 3.1 1) Time-clock for hourly staff, 2) Picture ID's, 3) Data Collection, 4) Bar Coding, 5) Professional Time Tracking, 6) In/Out Board, 7) Messages, 8) Multi-user network ready, 9) Hourly Time, 10) Executive Tracking, 11) Time and attendance, 12) Bar code & Touchscreen input, 13) Customizable, 14) (45) Human Resources reports, 15) Graphics, sound, Multi-media, 16) Export/import to ADP, Cyborg, other payrolls, 17) Computer Integrated Manufacturing, 18) Office auto for any business over 10 employees, 19) Controller/time software for proprietary bar code networks.

Netlogic, Inc., 915 Broadway, Suite 1708, New York, NY 10010

### **Cézanne**

Retail Price: \$3895  
Contact: Michael de St. Hippolyte  
Phone: (212) 533-9090  
(800) 638-0048  
Fax: (212) 533-9524  
Available: February 1993

*Implement mission-critical workgroup applications using the only true workgroup-enabled rapid application development system.*

Cézanne is a rapid application development toolkit for creating distributed applications. Cézanne provides information managers, developers and systems integrators seamless and efficient access to networks, telecommunications, electronic mail, client/server technology and enterprise data wherever it resides. Cézanne's powerful design tools allow the creation of complex user interfaces without programming, while its open, extendable, object-oriented architecture helps organizations maximize their technical resources through the use of reusable objects and extensions.

Object Productivity, Inc., PO Box 081118, Rochester, MI48308-1118

### **Object Publisher**

Retail Price: Call  
Contact: Robert Thompson  
Phone: (313) 650-8716  
Available: First Quarter 1993

*Innovative approach to workgroup communications provides tools for composing, organizing, and distributing document component objects. Supports the OLE and MAPI extensions for Windows.*

Object Publisher v2.0 is a workgroup communications product. It provides tools for Composing document components that act as objects with "data" and "behavior", Organizing these document objects into template (classification) and instance (implementation) databases, and Distributing them using electronic mail. For example, a user might [1] insert a "memo" of type "sales-memo" from a template database into an instance database, [2] give it behavior to collect sales figures from several OLE-client objects every Friday at 3:30pm, and [3] send the memo to a list of correspondents as an OLE-server object. Applications: group publishing, workflow, agents, object management. Free working model.

Pacer Software, Inc., 7911 Herschel Ave., #402, La Jolla, CA 92037

### **PacerForum**

Phone: (619) 454-0565  
Fax: (619) 454-6267  
Available: 1993

*Innovative workgroup computing product for networks of Windows and Macintosh users.*

PacerForum is a collaborative computing product that provides bulletin board, broadcast and conferencing functionality to Windows and Apple Macintosh clients on a network. It employs an icon based graphical user interface to support the distribution of text, pictures, sounds and files. With PacerForum, group members have a powerful tool for information and document distribution, brainstorming, project planning, collaborative design, news broadcasting, and other information sharing functions.

Raindrop Software Corporation, 833 Arapaho Rd., Suite 104, Richardson, TX 75081

### **Epoch**

Retail Price: \$129.95  
Phone: (214) 234-2611  
Fax: (214) 234-2674  
Available: Second Quarter 1993

Epoch is organization, providing up to the minute information on all of your current to-do's and scheduled activities. Its straightforward calendar metaphor is a welcomed break from the traditionally hard to learn and hard to use computer programs of the past. If you are using Epoch on a network, you will also have everyone else's schedule at your finger tips. The todo list provides every user the ability to assign and maintain tasks across the network, while the Scheduler keeps track of all conference rooms, vehicles, individual meetings and other resources. The information is right in front of you. Whether you use Windows, Mac, or OS/2, you will be covered!

United Data Corporation, 3755 Balboa St., San Francisco, CA 94121

### **ALAC®**

Retail Price: \$7,500  
Contact: Irving Greisman  
Phone: (415) 750-8068  
(800) 995-2522  
Fax: (415) 221-2798  
Available: First Quarter 1993

*ALAC allows software developers on mainframes, minicomputers, or LAN servers to create applications that use the graphical user interfaces (GUI) of the Macintosh and Microsoft Windows.*

Programmers have full access to and control over standard GUI features – without requiring them to learn the details of the Macintosh or Windows programming environments.

ALAC provides three primary benefits: high-level access to the desktop's GUI, a framework for building cooperative applications, and GUI independence. With ALAC programmers can build host-based applications that take advantage of the best features of the Macintosh and Windows. Applications run equally well with either platform, but are virtually indistinguishable from native applications such as Microsoft Word or Microsoft Excel, running locally on the user's desktop.

## Workstation Applications CAD/CAM

Autodesk, Inc., 2320 Marinship Way, Sausalito, CA 94965

### **AutoCAD for Windows NT**

*AutoCAD is a general purpose design, drafting, and modeling software program that runs on a wide selection of desktop computers and workstations.*

AutoCAD's open architecture, embedded high-level programming language, and C programming interface contribute to its unique versatility as a CAD standard for many disciplines, as does its provisions for writing customized drivers for peripheral devices. AutoCAD's flexible user interface includes such features as easy-to-use pull down menus, dialogue boxes, and icon menus that help customers take advantage of a host of dynamic features, including 2D and 3D modeling capabilities and integrated color rendering.

AutoCAD is available in 17 languages and is sold in over 80 countries. Its installed base of more than 700,000 customers makes it the recognized leader and industry standard in the CAD marketplace

Byers Engineering Company, 6285 Barfield Road, Atlanta, GA 30328

### **Byers Plot Station**

Contact: Alan Fishman  
Phone: (404) 843-1003 ext. 385  
Fax: (404) 843-1004  
Available: Fourth Quarter 1993

#### *Byers Plot Station .*

Network plotting software for MicroStation and AutoCAD users that eliminates plotting bottlenecks, allows enhancements of plot graphics, and provides simple transparent control over network plotting. This PC-based software allows users to submit and plot large quantities of plots at one time without creating plot files, or modify plots without entering graphics. Facilitates easy set up of project plot standards. Allows tailoring of plots to highlight useable information with screening, pattern fill, or colors.

CAD-Migos Software Tools, 1975 Fernside Street, Redwood City, CA 94061

### **Spice-It! for Windows NT**

Retail Price: \$2095  
Contact: Ms. Pamela Schneider  
Phone: (415) 369-5853  
Fax: (415) 369-5853  
Available: May 1993

*Powerful, integrated, electronic circuit design and simulation system including full-featured design entry tools, interactive circuit debugging, extensive device model libraries, and enhanced plotting features.*

Spice-It! for Windows NT combines a Berkeley-compatible, "industry standard" simulation language with full-featured, graphical design tools providing a complete design-entry and analysis system. Includes symbol/device editor and librarian, multi-layer schematic editor, "point-and-shoot" interactive graphical simulation engine, circuit debugging, extensive device-model libraries, alternate format import/export functions. Utilizes standard I/O drivers for printing/plotting as well as providing extended drivers for pen-plotter support. May be utilized as entry tool for CAD-Migos PCB design and automation tool, The Whole Enchilada.

CAD-Migos Software Tools, 1975 Fernside Street, Redwood City, CA 94061

### **The Whole Enchilada for Windows NT**

Retail Price: \$3995  
Contact: Ms. Pamela Schneider  
Phone: (415) 369-5853  
Fax: (415) 369-5853  
Available: September 1993

*The Whole Enchilada for Windows NT combines powerful electronic PCB design and layout tools with the latest in CAE technology for engineers, designers, and scientists.*

Symbol editors, schematic entry, automatic and interactive PCB placement and layout, SMT support, and PCB manufacturing tools highlight the design process. Format import/export tool increases flexibility for existing CAD libraries. Features a complete engineering tool kit including VHDL behavioral modeling and simulation, mixed-mode (analog/digital) simulation with SPICE compatibility, high-speed thermal power analysis, and advanced analog filter design tools.

Computervision, 100 Crosby Drive, Bedford, MA 01730

### **DesignView**

Retail Price: \$995  
Contact: Douglas Fosdick  
Phone: (617) 868-4556  
Fax: (617) 868-4658  
Available: Now

*Unique constraint-based design product lets engineers and designers quickly create fully parametric engineering drawings and solve complex real-world engineering problems.*

With DesignView, you simply sketch a design. Then as you add dimensions, DesignView reshapes the geometry for you. To modify your design, simply change a dimension. Powerful analytic capabilities allow you to solve an unlimited number of simultaneous constraints, including geometric relationships, non-linear equations, inequalities, if-then-else statements, and user-defined functions. Built-in mass property synthesis - you set the property you want and the geometry is reshaped automatically. DesignView is ideal for: parametric design, calculating tolerance stack-ups, simulating linkages, analyzing force, and solving complex geometric problems.

GrayTech Software, Inc., 2172 Menomini, Wheaton, IL 60187

### **CAD X11,<sup>®</sup> CAD X11<sup>®</sup>/Lite**

Retail Price: \$3000, \$995  
Contact: Mr. Mike Keppel  
Phone: (708) 682-4030  
Fax: (708) 682-0047  
Available: Now

*CAD X11 is an excellent CAD system for design and manufacturing applications.*

*It includes a floating license under UNIX or Windows NT, and supports XTerminals.*

CAD X11 is a sophisticated MCAD application with industry standard 2D features including ANSI and ISO drafting, geometric tolerancing, ordinate dimensioning, mechanical fastener library and surface finish marks. CAD X11 also offers simplified drawing management in networks, excellent 3D capabilities, wireframe, surfacing, shading, dynamic rotations and snapshots. In addition CAD X11 includes custom IGES, and optional direct interfaces including DXF, and Framemaker. Standard output options include plotter, PostScript, HP LaserJet and Gerber.



ICM, Inc., 7310 N. 16th St., Suite 250, Phoenix, AZ 85020

### **Image-Trak**

Retail Price: \$595  
Contact: Kevin Smith  
Phone: (602) 678-1978  
(800) 676-ICM1  
Fax: (602) 678-1985  
Available: First Quarter 1993

*A complete cost effective drawing management solution to manage and maintain all of a company's drawings and maps, both scanned and CAD-generated.*

Image-Trak is a full featured drawing management solution for companies with 500 to 10,000 drawings. ICM provides total customized solutions including the Image-Trak drawing management software, scanning services, indexing, and full support. Image-Trak accommodates both scanned and CAD-generated drawings in the same database, allowing all drawings to be stored, retrieved, managed, maintained, and printed within one integrated system. Image-Trak can be configured for stand-alone "electronic drawing vault" applications or networked applications.

Intergraph Corporation, Huntsville, Alabama 35894-0001

### **MicroStation PC**

Retail Price: \$3,450  
Phone: (800) 345-4856  
Fax: (205) 730-9491  
Available: Now

*MicroStation - Leading CAD software that offers advanced Windows functionality with full 32-bit performance.*

MicroStation is powerful CAD software that provides fast 32-bit performance and efficient data sharing among Windows applications. It gives users the full advantages of cut-and-paste and object linking with other popular Windows packages, enabling a wealth of integration options, such as driving graphics from an Excel spreadsheet. MicroStation offers the unique ability to run on two monitors for increased viewing of Windows applications. MicroStation is widely used as a standalone CAD drafting tool and as an engine for popular application software. It outperforms other CAD software in the production environment, offering a wealth of features and commands, from advanced surfacing commands, built-in rendering, and database support to text editing and customization for complete design and drafting in any environment.

Intusoft, 222 West 6th St., Suite 1070, San Pedro, CA 90731

### **ICAP Professional**

Retail Price: \$2,500  
Contact: Charles Hymowitz  
Phone: (310) 833-0710  
Fax: (310) 833-9658  
Available: September 1993

*Affordable Electronic Circuit Analysis System has Schematic Entry, SPICE 3 Features, Mixed Mode Simulation, Analog Behavioral Modeling, interactive graphical post processing and Real-Time Waveform Display; all integrated under Windows NT.*

ICAP Professional is a circuit simulation system that includes schematic entry, Mixed mode simulation, extensive SPICE model libraries, Monte Carlo analysis, and interactive waveform graphics. The powerful IsSpice3 simulator, capable of performing AC, DC, transient, noise, distortion, Fourier, and temperature analyses is also included. The various circuit analysis tasks are smoothly integrated under NT, allowing the designer easily probe circuit test points and vary elements on the schematic while simultaneously viewing simulation results. Unlike competing solutions costing much more, ICAP provides the full set of SPICE

capabilities along with mixed mode simulation at a reasonable price.

ISICAD, Inc., 1920 W. Corporate Way, P.O. Box 61022, Anaheim, CA 92803-6122

### **CADVANCE**

Contact: Yoav Etiel  
Phone: (714) 533-8910  
(800) 634-1223  
Fax: (714) 533-8642  
Available: 1993

CADVANCE is the first professional-level CAD package designed from the ground up *to fully take advantage of the Microsoft Windows environment.*

CADVANCE is the only CAD package that includes bi-directional support for ex-changing information via the Clipboard, OLE and DDE as well as MDI support for displaying multiple windows of one or several drawings simultaneously. CADVANCE can display raster images, including scanned drawings or photos, at no additional cost. It also offers a completely open architecture, with all functions fully documented. It includes the ability to read and write native AutoCAD .DWG files, as well as a built-in DXF translator, for easy exchange of drawing files. CADVANCE also offers MS-DOS and Windows 3.1 versions.

Open Designs, Inc., 1627 Lombard St., San Francisco, CA 94123

### **The Post-Layout Workshop**

Retail Price: \$5,000  
Contact: John Seward  
Phone: (415) 929-0924  
Fax: (415) 929-1425  
Available: September 1993

*Multi-functional, easy to use, environment for viewing, modifying, translating, rule-checking, and plotting GDSII Stream integrated circuit data.*

Graphically displays hierarchical data for any cell of a GDSII Stream data file. Zoom in and out, pan, set layer colors, patterns, and priorities, do measurements and calculations, set grid values. Step through a hierarchically nested GDSII file to get at a particular cell or detail record and edit it. Extensive search and replace capabilities for making changes throughout the data. Cells can be merged & deleted. Includes a design rule checker. Design rules can be specified for any process. GDSII data can be translated from and to DXF, CIF, and ASCII text. Will plot GDSII Stream data to any HP-GL compatible plotter or any PostScript printer.

Parametric Technology Corporation, 128 Technology Dr. , Waltham, MA 02154

### **Pro/ENGINEER**

Retail Price: \$9,500  
Contact: John Hudson  
Phone: (617) 894-7111  
Fax: (617) 891-1069

*Pro/ENGINEER is the only mechanical design automation tool that integrates the entire design-through-manufacturing process.*

The Pro/ENGINEER product family provides a new generation of mechanical design automation software tools based on a unique parametric, feature-driven solid modeling technology. These advanced tools naturally and intuitively assist the engineering team in productively completing a full range of design-through-manufacturing tasks. Pro/ENGINEER's single data structure ensures design integrity by capturing changes made in any stage of the process and automatically updating the model and all engineering deliverables. Pro/ENGINEER is hardware-independent, and is available today on every leading workstation platform.



QuickLogic Corporation, 2933 Bunker Hill Lane, Santa Clara, CA 95054

### **pASIC Toolkit**

Retail Price: \$3995  
Phone: (408) 987-2000  
Fax: (408) 987-2012

*Complete development environment for Very High Speed Field Programmable Gate Arrays (FPGAs) from QuickLogic.*

The pASIC Toolkit is a fully integrated solution for the design and programming of QuickLogic FPGAs. It combines third-party schematic capture and simulation with QuickLogic's Seamless pASIC Design Environment (SpDE). SpDE includes automatic placement and routing, delay modeling, timing analysis, and automatic test vector generation. The pASIC Toolkit also includes the Designer Programmer, sample devices, and the obligatory anti-static wrist strap.

Soft Source, 301 West Holly St., Ste M4, Bellingham, WA 98225

### **DRAWING Librarian**

Retail Price: \$500  
Contact: Gary B. Rohrbaugh  
Phone: (206) 676-0999  
Fax: (206) 671-1131  
Available: September 1993

*Fast, visual access and control of CAD drawings with or without AutoCAD. Project drawing management and program customization options deliver unprecedented drawing management power to end users.*

DRAWING Librarian offers every file maintenance tool you will ever need. Non-destructive REDLINING, "hypertext-style" graphic LINKS, project drawing management, plus the ability to automate and customize with SCRIPTS makes DRAWING Librarian the perfect choice for CAD managers, draftsmen and engineers alike. Display, zoom, pan and rotate drawings. View individual blocks, toggle on/off layers, display stored views and retrieve important drawing information. Output AutoCAD drawings or HPGL plot files, as well as DXF or Slide files.

### **Workstation Applications: Science/Engineering**

Ansoft Corporation, 4 Station Square, Suite 660, Pittsburgh, PA 15219

### **Maxwell® Field Simulators**

Retail Price: \$3,400-\$9,000  
Contact: Laurie Richardson  
Phone: (412) 261-3200  
Fax: (412) 471-9427  
Available: First Quarter 1993

*Maxwell® Field Simulators let design engineers building motors, transformers, relays, and other electrical equipment simulate product performance quickly and accurately— saving time, money, and market share.*

Maxwell 3D Field Simulator is a dedicated simulation tool for electromechanical, high-voltage, and magnetic applications. Based on Ansoft's Maxwell finite-element technology for electromagnetics, this product offers 2D, axisymmetric, and full 3D modeling for electrical and magnetic field applications. Aimed at electrical engineering applications, the simulator includes a specialized mesh-building system that renders the FEA process completely transparent to the user. The Maxwell 3D Field Simulator can link to solid model files generated in SDRC I-DEAS, Parametric Technology's ProEngineer, EDS' Unigraphics, and others.

B&W Nuclear Service Co., 3315 Old Forest Rd., PO Box 10935, Lynchburg, VA 24506-0935

### **Modular Modeling System (MMS)**

Retail Price: Call  
Contact: H.C. Cheatwood  
Phone: (804) 385-2442  
Fax: (804) 385-3799  
Available: April 1993

*The MMS (Modular Modeling System) includes pre-engineered modules and a graphical interface for developing simulation models of nuclear and fossil power plants on personal computers.*

MMS for Windows streamlines the process of creating dynamic simulation models of nuclear and fossil power plants. It allows for graphical selection of components from a comprehensive library containing over 180 modules. It includes water and steam properties and supports both U.S. and S.I. engineering units. An MMS User Group provides opportunities to share experiences with others. The MMS is operational on most PCs, workstations, and mainframes.

Data Ready, 4647 T. Hwy. 280 E. Suite 150, Birmingham, AL 35242

### **BSAP/nt**

Retail Price: \$595  
Contact: Ken Helland  
Phone: (205) 991-6381  
Available: 1993

*A comprehensive data acquisition, analysis, and graphics system for Windows NT provides integrated interactive/batch 32-bit data analysis power for the scientific/industrial laboratory environment.*

The Basic Statistical Analysis Package (BSAP/nt) consists of multichannel data acquisition, time-series analysis programs for moments, cross moments, spectra/bispectra, cross spectra/bispectra, correlations, cross correlations, and probability density, conditional/joint density functions. User-supplied calibration routines can be linked with analysis programs. Libraries are supplied for data acquisition, high-performance disk I/O, high-level graphics, and general utility routines. Customer-owned data acquisition equipment can be integrated with BSAP/nt by arrangement.

Enterprise Software Prod., Inc, PO Box 264, Harleysville, PA 19438

### **FEMAP**

Retail Price: \$1495  
Contact: George Rudy  
Phone: (215) 256-1829  
Fax: (215) 256-6913  
Available: January 1993

*Powerful Finite Element Modeling and Postprocessing comes to Windows NT. Import CAD geometry, automatic meshing, model conversion, contours, animations...FEMAP does it all!*

FEMAP is the tool that you need to fly through your analyses. You can create geometry with FEMAP, or import it from your favorite CAD program. Then, use your geometry with mapped or automatic methods to mesh your model. Contour, criteria, deformed, animated, vector and XY plots, and tabular reports, help you find and visualize the data that is so critical to your design. Fully integrated with most popular analysis programs including MSC/NASTRAN, PAL, ANSYS, PC/NASTRAN, ALGOR, COSMOS, STARDYNE, and PATRAN. Automatically converts your existing models between these programs.

EQE Engineering & Design, 44 Montgomery St., Suite 3200, San Francisco, CA 94104

**EQEHAZARD: Wind & Seismic Risk Analysis**

Retail Price: \$15,000 - \$25,000

Contact: Craig Van Anne

Phone: (415) 989-2000

Fax: (415) 397-5209

Available: December 1992

*A natural hazards risk analysis software to estimate potential loss to insurance and real estate portfolios from earthquake or wind storm.*

EQEHAZARD provides a cost effective seismic and hurricane risk analyses and loss estimate of insurance and real estate portfolios in California, other parts of the United States and other areas around the world. EQEHAZARD collates basic information about each property, including soils and seismological data, age, configuration, structural type for a seismic analysis. Storm tracks, estimated wind speeds and unique building vulnerability functions are incorporated for windstorm analysis. Finally, financial information is used to develop a Probable Maximum Loss estimate of damage to the portfolio caused by the earthquake or hurricane. The user-friendliness of the program allows for easy "what if" analyses.

Fein-Marquart Assoc., Inc., 7215 York Road, Baltimore, MD 21212

**Kekulé**

Retail Price: \$2900

Contact: Joe McDaniel

Phone: (410) 821-5980

Fax: (410) 296-0712

Available: Now

*OCR for Chemists: Automatically interprets scanned, machine printed, chemical structure diagrams into connection table formats.*

Kekulé eliminates the necessity of redrawing chemical structure diagrams to convert them into formats suitable for chemical database and computational chemistry programs. Structure images can be scanned and interpreted in seconds—typically about 10 times faster than redrawing. Batch processing can further reduce personnel involvement to scanning and verification. In addition, Kekulé provides drawing and editing capabilities for fast manual creation of structures. Clipboard and DDE interfaces provide for easy integration of Kekulé with Windows programs and host-based databases.

GeoGraphix, 1860 Blake Street, Suite 900, Denver, CO 80202

**GeoGraphix Exploration System (GES)**

Retail Price: \$4,500+

Contact: Gina G. Armitage

Phone: (303) 296-0596

Fax: (303) 292-1143

Available: Second Quarter 1993

*High performance, client server spatial data management and analysis environment designed specifically for the unique requirements of the natural resource industries.*

The GeoGraphix Exploration System (GES) provides an integrated mapping environment for Oil and Gas Exploration, Mining, Hydrology and Ground Water Modeling. Based upon GIS technology and optimized for Windows NT, GES is an intuitive foundation for spatial data management and mapping. Utilizing a network compatible relational database, discrete geographic locations may be linked to descriptive data records. Specialized facilities include geological and geophysical data management and basemap generation, interactive cross sectioning and contouring, volumetric estimation and map digitizing.





Gustavo Alvarez Becerra, Civil Engineer, PO Box 432552, San Ysidro, CA 92143

### **NUCLEI from IMPULSE THEORY**

Retail Price: \$200  
Contact: Kathya Alvarez  
Phone: (619) 562-8259  
Fax: 0-11-52-66-81-41-62  
Available: Second Quarter 1993

*Compute fast and accurate numerical nuclear properties with developed formulae from the analysis of the fundamental forces of nature that take action over the atomic nucleus, in the Windows NT and Win32 API.* IMPULSE is the author's physical theory for the analysis of effects over matter produced by the forces of nature. The Strong Force is an External Superposition (ES) of homogeneous and constant actions that impulse, press, stress, strain and energize the atomic nucleus. The penetration depth of the ES define the nuclear Cortex and nuclear Core. Dependent on deformations, algebraic formulae were developed. NUCLEI is a 32bit application that allows us to compute nuclear physical magnitudes: sizes, densities, elasticities, stresses, strains, masses, energies and asymmetries of both the nuclear Cortex and Core, before and after deformations.

Hewlett-Packard Company, SKL Product Marketing MS/CU308, PO Box 301, Loveland, CO 80537-0301

### **HP-IB Interface and Standard Instrument Control Library For NT**

Retail Price: \$595  
Fax: (303) 679-5957  
Available: October 1993

*SICL + HP-IB Interface. An instrument control library that provides true portability of I/O code between a variety of computer architectures, operating systems and instrumentation interfaces.*

The Standard Instrument Control Library (SICL) from Hewlett-Packard is an easy to use, IEEE 488.2 compliant instrument control library for the Windows NT environment. Modules of instrument control software incorporating SICL can be easily ported at the source code level from one system to another with little or no change. SICL provides an improved error handling mechanism which allows error handling code to be located away from the heart of the test program. SICL also provides 15 formatted I/O calls for minimizing programming effort while maximizing performance. Includes a high speed HP-IB interface card.

Hewlett-Packard Company, SKL Product Marketing MS/CU308, PO Box 301, Loveland, CO80539-0301

### **Standard Instrument Control Library For Windows NT**

Retail Price: \$395  
Fax: (303) 679-5957  
Available: October 1993

*Standard Instrument Control Library (SICL):An instrument control library that provides true portability of I/O code between a variety of computer architectures, operating systems and instrumentation interfaces.*

The Standard Instrument Control Library (SICL) from Hewlett-Packard is an easy to use, IEEE 488.2 compliant instrument control library for the Windows NT environment. Modules of instrument control software incorporating SICL can be easily ported at the source code level from one system to another with little or no change. SICL provides an improved error handling mechanism which allows error handling code to be located away from the heart of the test program. SICL also provides 15 formatted I/O calls for minimizing programming effort while maximizing performance.

Hewlett-Packard, PO Box 301, Loveland, CO 80539-0301

### **HP VEE for Windows NT**

Retail Price: Fax  
Contact: HP VEE Product Mktg.  
Fax: (303) 679-5957  
Available: Third Quarter 1993

*This unique graphical programming language allows engineers to create test and measurement software by linking visual objects to create complete solutions that are as intuitive as engineering block diagrams.*

HP VEE for Windows NT provides all of the features and flexibility of a traditional programming language plus high level building blocks such as engineering data types, an engineering math library, an engineering graphics library, integrated control of instruments such as voltmeters and oscilloscopes, and instrument drivers to reduce programming complexity. The graphical nature of the product allows for highly interactive problem solving with no syntax to remember. In addition, operator interfaces can be created in an instant. All of these features combine to create a product which can greatly increase productivity.

Intusoft, 222 West 6th St., Suite 1070, San Pedro, CA 90731

### **IsSpice3**

Retail Price: \$695  
Contact: Charles Hymowitz  
Phone: (310) 833-0710  
Fax: (310) 833-9658  
Available: January 1993

*Electronic Circuit Analysis Tool has SPICE 3 Features, Mixed Mode Simulation, Analog Behavioral Modeling, and Real-Time Waveform Display at an affordable price.*

IsSpice3 is a circuit simulation program from Intusoft, makers of CAE circuit design tools. IsSpice3 is the first commercially available version of SPICE to be fully based on Berkeley SPICE 3E.2. It performs AC, DC, Transient, Noise, Distortion, Fourier, Pole-Zero, Temperature, Sensitivity, and Mixed Mode analyses on virtually any circuit operating from DC through Microwave frequencies. It includes models for passive, active and IC components. The program features analog behavioral modeling, as well as the ability to enter boolean logic expressions directly alongside a wide variety of analog components. A new interactive user interface displays waveforms as the simulation runs.

The MathWorks, Inc., 24 Prime Park Way, Natick, MA 01760

### **MATLAB®**

Phone: (508) 653-1415  
Fax: (508) 653-2997  
Available: 1993

*A high-performance integrated family of tools for interactive computation, dynamic system simulation, and visualization includes MATLAB®, SIMULINK, and a comprehensive family of MATLAB toolboxes that provide application specific functions*

MATLAB® is a high-performance, interactive numeric computation and visualization environment that combines hundreds of pre-packaged advanced math and graphics functions, with a high-level language to customize and add new functions as needed. SIMULINK, an interactive system for analyzing, modeling, and simulating dynamic nonlinear systems, together with MATLAB and MATLAB application toolboxes forms a comprehensive simulation, design, and analysis solution. MATLAB application toolboxes extend the power of MATLAB providing users with leading-edge algorithms and functions for digital signal processing, control system design, neural networks, system identification, and other application areas.

MicroBrightField, Inc., 75 Hegeman Avenue, Colchester, VT 05446

**NeuroLucida for Windows**

Retail Price: \$4,950  
Contact: Jack R. Glaser  
Phone: (802) 655-9360  
Fax: (802) 655-4031  
Available: December 1992

*NeuroLucida for Windows is comprehensive interactive image analysis software for 2D and 3D morphometry of microscopic tissue sections and images.*

NeuroLucida is unmatched at mapping branching axons and dendrites, creating 3D reconstructions of individual neurons and entire serial sections, and performing large area anatomical mapping. Modules for data acquisition, display, and analyses allow for the examination of thousands of morphometric parameters. Create 3D serial section reconstructions in color with dynamic rotation about any axis. Trace the branching processes of neurons while measuring their length, diameter, and volume. NeuroLucida will meet your research challenges in optical or video imaging using upright, inverted, electron, or confocal microscopy.

Precision Visuals, Inc., 6230 Lookout Road, Boulder, CO 80304

**PV-WAVE Command Language**

Contact: Chris Logan  
Phone: (303) 530-9000  
(800) 447-7147  
Fax: (303) 530-9329

*PV-WAVE Command Language is an analysis and discovery package that combines interactive graphics, image processing, statistics, signal processing, data access and mathematical capabilities.*

PV-WAVE Command Language (CL) - Visual Data Analysis software which provides integrated graphics, image processing, statistics, signal processing, and mathematical capabilities. Users interactively access, analyze, manipulate, and visualize multi-dimensional data to understand trends, draw conclusions, and produce results. A fast, array-oriented language and comprehensive set of procedures provides a productive environment for analyzing collected or computed data such as test, experimental, or simulation data, or data from remote sensing devices. Applications are developed quickly using high-level commands, macros and procedures, or links to external programs. PV-WAVE CL is optimized to run in the Microsoft Windows NT and Win32 environment.

Research Systems, Inc., 777-29th Street, Suite 302, Boulder, CO 80303

**IDL® For Windows**

Retail Price: \$1,500  
Contact: David W. Fanning, Ph. D.  
Phone: (303) 786-9900  
Fax: (303) 786-9909  
Available: Second Quarter 1993

*IDL® is a powerful software environment for scientific data analysis and visualization.*

IDL 3.0 integrates an array-oriented language with numerous mathematical analysis and graphical display modalities, including comprehensive 2D plotting and advanced 3D visualization.

Numerous standard data formats are supported. Quickly read/write any formatted or unformatted data with generalized I/O facilities.

VOLT, VIEWtech Division, 2401 North Glassell Street, Orange, CA 92665-2705

**Energy/Water Audit Software**

Retail Price: Call  
Contact: Douglas Poffinbarger  
Phone: (714) 921-8000  
(800) 998-VOLT  
Fax: (714) 974-0292  
Available: Third Quarter 1993

*Energy/Water audit software for the Utility Industry. Implements DOE and ASHRAE algorithms with scannable forms, multiple color or grey-scale report formats, and multi-user database capabilities.*

Volt Information, Energy and Water Technologies (VIEWtech) is a division of VOLT Information Sciences, with over 18 years experience serving the Utility Industry. VIEWtech has converted its Multi-Family Dwelling (MFD) and Residential Disaggregation (RECLAIM) audit products to the Windows environment. Scheduled for Windows conversion in 1993 are VIEWtech's residential (RESQU) and commercial (VCACS) energy analysis/modeling products. Also scheduled for release in late 1993 is a multi-user version of RECLAIM operating under the Windows NT environment.



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