THIRD PARTY PROGRAM BULLETIN

This is the second issue of our Third Party Bulletin: A bimonthly bulletin to update customers on products available for the Sun Workstation^{TM} from independent vendors.

Sun's Third Party Program exists to provide our customers with easy access to a broad range of application building blocks designed to meet their individual configuration needs.

The information contained herein has been provided by the third party vendors, and Sun has not qualified nor reviewed the claims made about product features or function. Sun hopes that this data will allow you to make an initial assessment which can be followed by product evaluation through conversations with the appropriate vendor(s).

This bulletin covers seven products:

GENERAL ENGINEERING AND ADMINISTRATIVE SUPPORT

C-CALC	- Electronic spreadsheet and modeling software from DSD Corporation
Interleaf	- Text and graphics processing/document production software from Interleaf, Inc.
P-STAT	- Data management, data display, and statistical analysis software from P-STAT, Inc.
DVIAPS, DVILPR, DVIDWP	- Tex82 text formatter from TEXTSET, Inc.

ELECTRICAL ENGINEERING

HSPICE	- Circuit simulator from Meta-Software

MECHANICAL DESIGN

CatSolid Geometric Modeler	- Constructive solid geometry (CSG) based solid modeler for CAE from Catronix Corporation

GRAPHICS

CIMS	- Intelligent mapping system from Comarc Systems

And an announcement about Sun MicroINGRES relational database!

A list of the products and companies discussed in the first bulletin is also attached. Ask your local sales office or call 800-821-4643 (in CA: 800-821-4642) to receive earlier issues of this bulletin.

PRODUCT NAME: C-CALC
FUNCTION: Electronic Spreadsheet and Modeling Package

DESCRIPTION:

C-CALC is a menu-driven, interactive spreadsheet and modeling program with a built-in "Help Facility" and "On-line Training Procedure." Menus and single-level English-like editor commands allow the user with little or no experience to jump right in. For the advanced C-CALC user, a variety of optional "shortcuts" have been included which allow by-passing menus and prompts if desired.

C-CALC 's sophisticated data importing/exporting facility and worksheet consolidation capabilities make it ideal for use in computer networks and workstations. Entire worksheets can easily be transferred between different computer systems. In addition, worksheet data is transportable between C-CALC and most other applications programs: graphics, word processing systems, general ledger, etc., via ASCII stream files.

C-CALC offers in addition to the "standard" spreadsheet features: 736 by 600 matrix worksheet area; boardroom quality report generation (bolding, underlining, etc.) via stored print menus; alpha and numeric sorting; accessibility of data in other worksheets; consolidation of 'like' or 'unlike' worksheets or portions of worksheets; labels; user-defined procedures for automating repetitive operations; conditional formatting; flexible window and cell formatting; a wide range of built-in mathematical, statistical, financial, and logical functions; if-then-else capabilities; password file encryption; and many other features.

Availability Date:	December '83	Contact Info:	DSD Corporation
Source Language:	C		P.O. Box 2669
Source/Binary Available:	Binary only		12620 120th Ave. NE
Sales Office Demo:	Yes		Suite 201
Support:	Yes		Kirkland, WA 98033
In-house Sun for Support:	No		Ron Enos
Price:	Contact Vendor		Bill Fredrickson
	for Complete Information		

PRODUCT NAME: INTERLEAF OFFICE PUBLISHING SYSTEM
FUNCTION: Text & Graphics Processing/Document Production

DESCRIPTION:

The Interleaf Office Publishing System replaces text prepared on a word processor, headlines and captions set by a phototypesetter, and graphs and diagrams drawn by a graphic artist.

The software does all this by integrating powerful multifont word processing and interactive diagramming and business graphics capabilities with a high-speed laser printer.

Business Graphics

Charts

> Data-driven bar, pie, and line charts, either chosen from a wishbook of chart styles or built from scratch

Diagrams

> Flow, organization, and pert charts requiring a mixture of graphics and text

Pictures

> Images, signatures, illustrations, logotypes "drawn" directly on the screen

Text Editing

The software features a sophisticated structured document editor. A structured document is made up of user-defined components (paragraphs, section headings, titles, etc.) in which each component has its own set of properties (margins, indentation, line spacing, font, justification, etc.).

A feature that greatly increases the productivity of the system is automatic pagination. Most other systems require the user to perform a separate pagination process before printing, greatly slowing down production.

User Interface

Even a novice can become proficient in a few hours, thanks to such advanced user interface features as a "mouse" that can be used instead of the keyboard to position the cursor rapidly and to execute commands. A "window" system is used to view and edit documents and to display text, chart, or diagram component properties. Overlapping windows allow the user to view and edit portions of different documents simultaneously.

Charts

A document prepared on the Interleaf Office Publishing system enables the user to prepare and edit documents with multiple type fonts and a wide range of business graphics.

Diagrams

The system replaces a multi-step process that in the past required manual, cut-and-paste procedures. Diagrams can be generated directly on the system and quickly printed out via the system's laser printer.

Availability Date:	Now	Contact Info:	INTERLEAF
Source Language:	C		955 Massachusetts Ave.
Source/Binary Available:	Binary		Cambridge, MA 02139
Sales Office Demo:	Yes		(617) 497-5570
Support:	Yes		Leslie Anderson
In-house Sun for Support:	Yes		
Price:	Contact Vendor		
	for Complete Information		

GENERAL ENGINEERING & ADMINISTRATIVE SUPPORT

PRODUCT NAME: P-STAT
FUNCTION: Data Management, Data Display, and Statistical Analysis

DESCRIPTION:

P-STAT is an integrated software package used for data management, data display, cross tabulation, and statistical analysis. P-STAT offers the user a fully interactive and user-friendly command language which is both powerful and easy to learn. An internal P-STAT editor enables the user to correct errors immediately and continue command execution.

Data Types: Double precision numeric values are assumed unless single precision is specified. P-STAT supports alphanumeric data. Each character variable in a file may be up to 999 characters in length.

Data Management: P-STAT has extensive capabilities, enabling the user to create new variables, recode existing variables, select cases, and aggregate across subgroups within a file. There is a comprehensive set of arithematic functions (square root, log, etc.). Character functions include CONTAINS, SUBSTRING, and LENGTH.

File Management: Many P-STAT files may be active during a P-STAT session. The commands include JOIN, CONCAT, COLLATE, RANK, SORT, UPDATE, SEPARATE, INTERLEAVE, and TRANSPOSE.

Statistical Analysis: P-STAT offers a variety of statistical operations, including analysis of variance, correlation, discriminant and factor analysis, exploratory data analysis, matrix operations, regression analysis, and a number of descriptive statistics (chi-square, measurements of skewness, etc.).

Data Display: Includes plots, histograms, cross tabulation and report-writing. The new EDA command has box plots, stem and leaf plots, rootograms, etc. Displays may be modified interactively without having to access the original data files.

MACROS: A MACRO facility is supported which permits a series of commands to be executed within a single statement. MACROS can be nested and character string substitution is permitted. MACROS may call MACROS.

Applications: P-STAT is used internationally by government, commercial and educational installations. Typical applications include market research, personnel administration, system performance analysis, quality assurance, and clinical trials. P-STAT is very versatile and can often be used by a number of different departments, within an organization, for a variety of purposes.

Availability Date:	January 1984	Contact Info:	P-STAT, INC.
Source Language:	FORTRAN		P.O. Box AH
Source/Binary Code:	No/Yes		Princeton, NJ 08542
Sales Office Demo:	Perhaps		(609) 924-9100
Support:	Yes		Ms. Sebbie Buhler
In-house Sun for Support:	No		
Price:	Contact Vendor for Information		

GENERAL ENGINEERING & ADMINISTRATIVE SUPPORT

PRODUCT NAME: DVIAPS, DVILPR, DVIDWP
FUNCTION/SERVICE: Tex82 Installation and Applications Support

DESCRIPTION:

Tex82 is a public domain typesetting language developed by Donald E. Knuth at Stanford University. Tex82 is well suited to typesetting technical text and is gaining popularity in both academic and commercial environments.

TEXTSET, INC., is installing Tex82 on Sun workstations for use in production environments. We offer a full range of Tex82 installation and application support, including: macro packages, DVI-to-printer driver programs, and final quality typesetting from an autologic APS-5 phototypesetter.

DVIAPS is a DVI-to-printer driver program for APS-5 series phototypesetters.

DVILPR is a DVI-to-printer driver program for fixed pitch line printers.

DVIDWP is a DVI-to-printer driver program for daisy wheel printers.

Availability Date:	Q1'84	Contact Info:	TEXTSET, INC.
Source Language:	WEB		1612 Anderson
Source/Binary Available:	Source/No		Ann Arbor, MI 48104
	(Non-Disclosure)		(313) 996-3566
Sales Office Demo:	Yes		Bruce Baker
	(Future)		David Rodgers
In-house Sun for Support:	Yes		
Price:	Contact Vendor		
	for Information		

ELECTRICAL ENGINEERING

PRODUCT NAME: HSPICE
FUNCTION: Circuit Simulator

DESCRIPTION:

HSPICE is a circuit simulator for engineers who require a serious design tool. HSPICE's advanced features and wide choice of models assure reliable answers for realistic simulators, regardless of technology or device type.

HSPICE has been engineer-tested and proven for a wide range of applications, from designing discrete amplifiers to validating complex integrated circuits. When a user needs assistance, a responsive staff of professionals is available. The Meta-Software staff is composed of   professionals who understand circuit design problems.

Users of other commercial and academic circuit simulators will find HSPICE easy to use, since it allows user input in styles compatible with ASPEC^{TM}, ISPICE^{TM}, MSINC and SPICE2.

HSPICE is available on mainframe computers for back-up support.

Availability Date:	December '83	Contact Info:	META-SOFTWARE
Source Language:	FORTRAN		16496 Hilow Ave.
Source/Binary Available:	No/Yes		Los Gatos, CA 95030
Sales Office Demo:	Yes		(408) 356-9135
Support:	Yes		Shawn Hailey
In-house Sun for Support:	No		
Price:	Contact Vendor		
	for Complete Information		

MECHANICAL DESIGN

PRODUCT NAME: CATSOLID GEOMETRIC MODELER
FUNCTION: Computer Aided Engineering, Mechanical Design

DESCRIPTION:

CatSolid is a constructive solid geometry (CSG) based solid modeler supporting engineering design solutions. Computer Aided Engineering (CAE), especially mechanical engineering applications, is the primary area supported. The modeler interfaces to CAD systems via IGES files. Direct data transfer to CAD files is available on a case-by-case basis.

CatSolid is a FORTRAN-77 based, menu-driven modeler supporting engineering design from initial concept to the creation of a three-dimensional object database. Mechanical component design is an ideal application since an object is constructed using the volume primitives and Boolean operators of CSG to create the model. Primitives are joined through interactive English language commands. Object surfaces are color coded and mass properties are extracted.

CatSolid is one of the first solid modelers written specifically to interface with other portions of the user's database. This can include in-house analysis programs, two and three-dimensional drafting packages, publication systems and manufacturing systems. CatSolid is a powerful package having an extremely flexible database. Both color and black and white are supported.

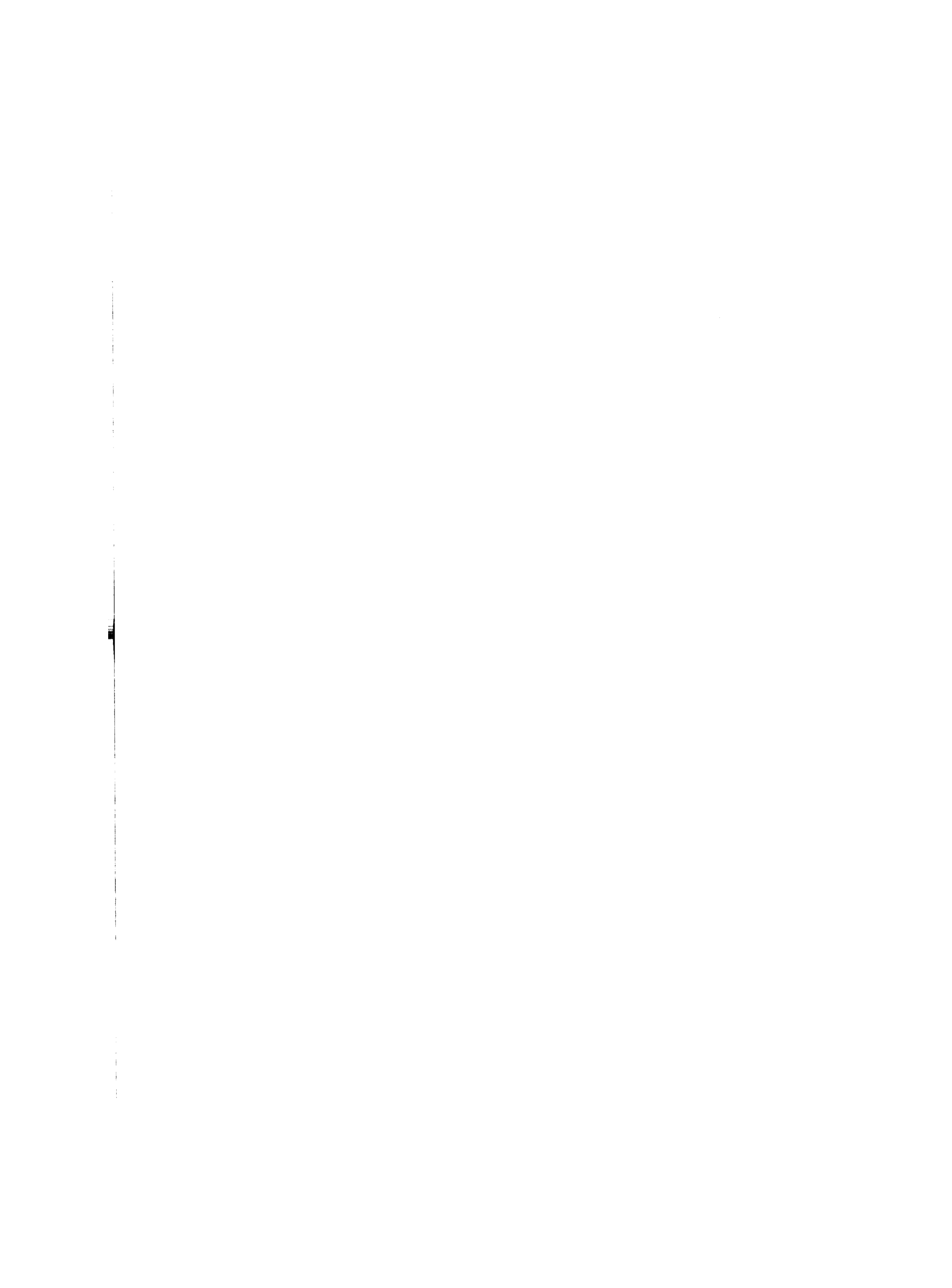|			
Availability Date:	December '83	Contact Info:	CATRONIX CORPORATION
Source Language:	FORTRAN 77		120 Ralph McGill Blvd., NE
Source/Binary Available:	Source		Atlanta, GA 30308
Sales Office Demo:	Yes		(404) 872-2300
Support:	Yes		Terry Binion
In-house Sun for Support:	No		
Price:	Contact Vendor		
	for Complete Information		

GRAPHICS

PRODUCT NAME: CIMS
FUNCTION: Intelligent Mapping System

DESCRIPTION:

CIMS is the powerful Comarc intelligent mapping system. Unlike other mapping systems, CIMS is not just an automated digitizing and drafting system for maps. It understands data and creates a database which supports analyses and MIS applications as well as automated mapping.

CIMS can serve as a stand-alone automated mapping system. It provides all of the necessary functions for encoding map data, reformatting, selective retrieval and map production. Maps encoded by CIMS also serve the other Comarc products.

Availability Date:	Now	Contact Info:
Source Language:	Fortran 77	
Source/Binary Available:	No/Yes	
Sales Office Demo:	In Comarc	
	San Francisco Office	
Support:	Yes	
In-house Sun for Support:	Yes	
Price:	$25,000	

Contact Info: Comarc Systems
150 Executive Park Blvd.
San Francisco, CA 94134-3399
(415) 467-1300

Comarc Systems
245 Perimeter Center Parkway
Suite 420
Atlanta, GA 30346
(404) 396-2276

Comarc Systems
5501 LBJ Freeway
Suite 500
Dallas, TX 75240
(214) 991-3788

Comarc Systems
7100 Lakewood Building
5987 E. 71st Street
Suite 210
Indianapolis, IN 46220
(317) 849-2435

SUN MICROSYSTEMS, INC., SIGNS CONTRACT WITH
RELATIONAL TECHNOLOGY, INC., (RTI) TO DISTRIBUTE MicroINGRES

Mountain View, Calif., November 21,1983 -- Sun Microsystems, Inc., announced today it has signed an OEM agreement with Relational Technology, Inc., (RTI) of Berkeley, Calif., that gives Sun the right to distribute the MicroINGRES relational database management system on its workstation products.

"MicroINGRES will add sophisticated database software to Sun's current software offerings," said Lloyd Fugate, Vice-President of Marketing at Sun. "MicroINGRES handles large amounts of complex technical data efficiently, meeting the needs of our customers. It also provides a variety of user interfaces that make it easy to use."

Sun Microsystems designs, manufactures and markets high-performance computer workstations. The SunStations, based on the MC68010 virtual memory processor, integrate the UNIX operating system with networking, graphics, and an advanced user interface.

Relational Technology, Inc., introduced its first commercial product, the INGRES relational database system, in 1981. Since then, RTI has enhanced the reliability and performance of the INGRES product, and has ported it to a variety of computers. The 68000/UNIX version of INGRES, called MicroINGRES, has the same power and flexibility as INGRES, currently in use on nearly 300 DEC VAX minicomputers throughout the U.S. and Europe.

MicroINGRES on the Sun will combine an English-based query language with several forms-based Visual Programming tools. These tools enable users to access and manipulate databases without programmer assistance.

Sun plans to begin distribution of MicroINGRES on the SunStations in early 1984.

For your convenience, the products and vendors listed in previous issues appear below:

CADroid
(Logic Design System)

Lucasfilm Ltd.
(415) 457-5282
Lisa Ellis

Dataviews
(Real-Time Graphics)

Visual Intelligence Corporation
(formerly ISS)
(413) 253-3482
Tom Manwell

EMACS
(Full Screen Editor)

Unipress Software, Inc.
(201) 985-8000
Joyce Bielin

LEX
(Word Processing
Software)

Unipress Software, Inc.
(201) 985-8000
Joyce Bielin

MAINSAIL^{TM}
(Programming
Environment)

Xidak, Inc.
(415) 324-8745
Greg Jirak

MISTRESS
(Relational
Database)

Rhodnius, Inc.
(416) 922-1743
Doug Phillips

Scribe®
(Text Formatter)

Unilogic Ltd.
(412) 621-2277
Wayne McDaniel

Telesoft-Ada
(Partial Ada Compiler)

Telesoft
(619) 457-2700
Terry Baugh

CORRECTIONS

In the last issue of our Third Party Bulletin, Lucasfilm's CADroid package was incorrectly listed as a PCB design system: In fact, CADroid is a logic design system. We apologize for any inconvenience this may have caused.