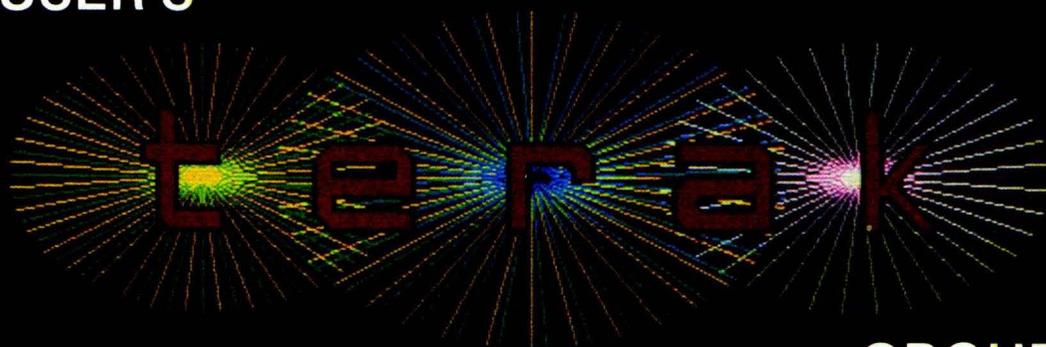


USER'S



MC

GROUP

**BULLETIN
OF
AVAILABLE
TERAK SOFTWARE**
(Tugboats)

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TABLE OF CONTENTS

	PAGE
Ordering User Group Library Software	1
1. RT-11 Operating System	3
1.1 Languages	3
1.2 Editors	4
1.3 Device Handlers	5
1.4 Statistical Routines	6
1.5 Disk Formatting	7
1.6 Utilities	8
2. UCSD Pascal Operating System	9
2.1 Languages	9
2.2 Printer Software	10
2.3 Intelligent Terminal Emulators	11
2.4 Peripheral Driver Software	12
2.5 Games	13
2.6 Computer Aided Learning	14
3. Commercial Software	15
3.1 Under RT-11/85 V3B	15
3.1.1 Data Base Management	15
3.1.2 Networking	16
3.1.3 Word Processing	17
3.1.4 Programming Languages	18
3.1.5 Cross Assemblers	20
3.1.6 Statistical Packages	21
3.2 Under UCSD Pascal Version 2.0	22
3.2.1 Data Entry	22
3.2.2 Tektronix Terminal Emulators	23

TABLE OF CONTENTS

	PAGE
3.2.3 Word Processing	24
3.2.4 Programming Languages	25
3.2.5 Computer Aided Learning Packages	26
3.2.6 Computer Aided Design	27
3.3 Other Operating Systems	28
3.3.1 Program Synthesizers	28
4. Peripherals	29
4.1 Disks	29
4.2 Printers	30
4.3 Printer/Plotters	33
4.4 Plotters	34
4.5 Digitizers	35
5. Standards for Library Submissions	37

Terak User's Group

Bulletin of Available Terak Software

(Tugboats)

Ordering User Group Library Software

The following is a list of available software for the Terak family of stand alone graphic computer systems. Section 1 contains a list of software which runs under the RT-11 operating system. Section 2 contains a list of software which runs under the UCSD Pascal operating system. Section 3 contains a list of commercially available software and the vendors name. Section 4 contains a list of peripheral devices known to work on a Terak Graphics Computer System. Section 5 contains the specifications for submitting software to the Terak User's Group Library and a Software Submission Sheet. Please photocopy the Submission Sheet for all submissions and keep the original for further use.

The software listed in this catalog is not supported by Terak. Users of this software run these programs at their own risk. Comments can be sent to the Terak User's Group or directly to the authors, if listed.

When ordering software, please refer to the disk by number and title. The following convention is used in numbering a disk:

XXXX-YY-ZZZZ

where XXXX specifies the operating system of this software
i.e. RT3B is RT-11 Version 3B
PS20 is UCSD Pascal Version 2.0

YY specifies which machine this software will operate on
i.e. 80 means the software will work on either
the 8510/a or the 8600
85 means the software will work only on the
8510/a (black and white graphics dependent)
86 means the software will work only on the
8600 (color graphics dependent)

ZZZZ specifies the sequence number of this particular disk
within this grouping.

All software from the User's Group Library is distributed on single density diskettes. Each diskette contains a README file describing the contents of the disk. Further documentation of the software may also be available on each diskette.

To order Library software, please photocopy the order form at the end of the catalog and then list the disks desired by number and title. The following price schedule is in effect for this printing of the catalog.

\$15 for the first disk ordered
\$6 for each subsequent disk in the same order

Please note that some library entries contain multiple disks. Partial orders will not be filled for these entries and a member's order will be returned with an attached note.

Make payment with check or money order payable to the Terak User's Group Software Library. Send software requests to

Terak User's Group
Software Request
14151 North 76th Street
Scottsdale, Arizona 85260

Section 1

RT-11 Operating System

1. RT-11 Operating System

1.1 Languages

Number: RT3B-80-0001 and RT3B-80-0002

Title: Preliminary C Compiler Rev 0

Description:

This is a set of two disks. It contains a preliminary C language compiler and assembler. Complete documentation for using the C compiler under RT-11 and the contents of the C support libraries is also supplied on the disks. This software was obtained from DECUS and is copyrighted thereof.

Requirements:

Software: RT-11 V3B or later operating system

Hardware: Dual drive and/or dual density 8510/a or 8600

Number: RT3B-80-0003

Title: FORTRAN 4 OTS Documentation Rev 0

Description:

This disk contains a very complete document on just about everything a Fortran programmer wants to know about the DEC Fortran OTS. This software was obtained from DECUS and is copyrighted thereof.

Requirements:

Software: RT-11 operating system

Hardware: 8510/a or 8600

1.2 Editors

Number: RT3B-80-0004

Title: ASOTE - A Screen Oriented Text Editor Ver 1.1j

Description:

This disk contains the source files and an executable version of a screen oriented text editor for use under RT-11. A short file documents the features and use of ASOTE.

ASOTE is a very functional subset of the UCSD Screen Editor. The method of interaction and display of text within ASOTE is equivalent to the UCSD Editor.

Requirements:

Software: RT-11 operating system, TK emulator in monitor

Hardware: 8510/a or 8600

1.3 Device Handlers

Number: RT3B-80-0005

Title: Handlers and Output Pagination Program

Description:

This disk contains the source files for several useful handlers including line printer handlers for the following protocols: ETX/ACK and XON/XOF, DTR monitoring, and for the NEC Spinwriter. The source for DEC's standard LP.SYS is also supplied. Two handlers (HS and PH) from the University of Arizona do handshaking or act as a pseudo-handler. Also included are 2 handlers for the serial port, two callable subroutines to retrieve information from a Summagraphics BitPad.

A list of printers supported by these handlers is given in Section 4 of this catalog.

A program, LPOUT, will paginate and print headers on files that are output to a line printer. Part of this software was obtained from DECUS and is copyrighted thereof.

Requirements:

Software: RT-11 operating system

Hardware: 8510/a or 8600

1.4 Statistical Routines

Number: RT3B-80-0006, RT3B-80-0007, and RT3B-80-0008

Title: Scientific Subroutine Package

Description:

This set of three disks contains the FORTRAN IV source code for a comprehensive set of useful scientific subroutines. Included are routines for polynomial solution, Eigen values, curve fitting, Runge-Kutta, Bessel functions, matrix manipulation, and numerous statistical routines. The source files contain a complete description of each routine, its use, and how to call it. This package was originally written for use on IBM equipment and is well known in most computer centers.

Requirements:

Software: RT-11 operating system and RT-11 FORTRAN IV

Hardware: 8510/a or 8600

1.5 Disk Formatting

Number: RT3B-80-0009

Title: Disk Formatting and EDIT07

Description:

Every once in a while, a disk that has not been formatted properly or formatted on a DEC RX01 drive comes into a user's possession. These disks cannot be properly read on the QB variable density disk controllers. A blank disk may be reformatted using the program FORMAT while a disk containing valuable information may be modified using EDIT07 to set the density bytes properly on the disk. Information on how to use EDIT07 is on the disk in EDIT07.DOC. FORMAT is self explanatory.

Requirements:

Software: RT-11 Operating System

Hardware: 8510/a QB system or 8600 QB system

1.6 Utilities

Number: RT3B-85-0001

Title: Least Squares Curve Fitting

Author: Leonel Campoy

Description:

This disk contains a program to perform exponential or polynomial least squares curve fitting. The program LEAST will graph the curve fit to the input data points. Multiple order polynomials can be used to find best curve fit and a summary of results can be printed. A file SAMPLE is include to show the curve fit for 10 data points.

Requirements:

Software: RT-11/85 V3B and FORTRAN IV

Hardware: 8510/a

Section 2

UCSD Pascal Operating System

2. UCSD Pascal Operating System

2.1 Languages

Number: PS20-85-0002

Title: L1-Ada Version: 0.8

Author: Robert Mathis

Description:

This disk contains a subset compiler for the Department of Defense Ada Language. On the disk are an Ada compiler, a document describing the grammar of the subset, some help files, and several source files demonstrating the use of Ada.

Requirements:

Software: UCSD Pascal V2.0

Hardware: 8510/a

2.2 Printer Software

Number: PS20-80-0001

Title: Printer related programs.

Description:

This disk contains a menu driven text file printing utility, which features the ability to work with different printers. The program will work with a NEC SPINWRITER, MALIBU 165, PAPER TIGER 440, PAPER TIGER 460, PRINTRONIX, and many others. The program will work with any printer that can be attached to a TERAk by either a DEC LP-11 line printer interface or an RS-232 serial interface. The following printer protocols have been implemented: ETX/ACK, XON/XOFF, and DTR monitoring.

The disk also contains programs for printing the graphics from the Terak 8510/a on the following printers: PAPER TIGER 440, MALIBU 165, PRINTRONIX 300, and NEC SPINWRITER. Finally the disk contains a program that will print text on a MALIBU 165 using the character set displayed on a Terak 8510/a.

Requirements:

Software: UCSD Pascal V2.0

Hardware: 8510/a or 8600

2.3 Intelligent Terminal Emulators

Number: PS20-80-0002

Title: Intelligent Terminal Emulators.

Description:

This disk contains a number of different programs that enable the TERAk to act as an intellegent terminal to other computers. The disk contains a very general program with complete documentation describing how the program can be tailored to work with any system. Also on the disk are programs that work with DEC-10's, PDP-11's, DEC-20's, VAX 11/780, APL, TERAk's, HARRIS's, CDC's, UNIX, IBM TSO, and IBM CMS.

These programs support bidirectional file transfer of text files between the Terak computer system and a host computer.

Requirements:

Software: UCSD Pascal V2.0

Hardware: 8510/a or 8600

2.4 Peripheral Driver Software

Number: PS20-80-0003

Title: Bitpad and Plotter software

Description:

This disk contains a library unit that provides a SIGGRAPH Core 2D level 1 interface to the Terak Graphic Computer System and a Houston Instruments DMP-2 or DMP-7 plotter. This unit enables a user to draw graphics on the Terak computer and then obtain a plot of the graphics. Libraries to drive the HIPlot 8 1/2" x 11" plotter and the HIPlot 11" x 17" intelligent plotter are given. The source provided for the library units may be modified to drive other plotters.

The disk also contains programs and library routines that aid in interfacing the Terak to the SummaGraphics BitPad 1 and the HIPad digitizers.

Requirements:

Software: UCSD Pascal V2.0

Hardware: 8510/a or 8600, plotter or digitizer.

2.5 Games

Number: PS20-85-0001

Title: Pascal Games Disk 1

Description:

This disk contains several games good for use on the 8510/a black and white graphics system. The disk includes source and Pascal 2.0 code files for the following games:

- ALIEN - A program written at Cornell by Dr. Joseph Bates
this is the popular alien invaders game.
- BREAKOUT - Program to have player "breakout" of a wall.
- SPACE - Two player program of deadly battle in space.
- OTHELLO - A one player game that pits the user against the
computer in a game of strategy and skill.
- TANK - A two player game of military tanks blasting away at
each other.
- CHASE - A two play game where each player chases the other
during an allotted time. The other played must avoid
contact during that time.

Requirements:

Software: UCSD Pascal V2.0

Hardware: 8510/a

2.6 Computer Aided Learning

Number: PS20-85-0003

Title: Naval Academy CAL

Author: Ron Lambert

Description:

This disk contains two programs making use of the Terak 8510/a for Computer Aided Learning. The first program allows the student to dock a ship at port using full Naval terminology. The second program provides a preliminary lesson on nuclear physics and fission.

Requirements:

Software: UCSD Pascal V2.0

Hardware: 8510/a

Section 3

Commercial Software

3. Commercial Software

3.1 Under RT-11/85 V3B

Whereas the previous two sections listed software available from the Terak User's Group for handling and media costs, the following section lists software that is charged for by the companies listed as contacts for that software.

3.1.1 Data Base Management

Subject: Data Base Management

Title: RTFILE

Contact:

Robert Natale
Product Manager
International Computing Company
4330 East-West Highway
Bethesda, Maryland 20014
(301) 654-9120

Description:

RTFILE is a fully integrated data management system designed to extend the user's access to and control of his data under the RT-11 operating system. The major features of RTFILE include security and access logging, data directory/dictionary, data base creation and modification, automatic multiple indexing, CRT display and data entry application generation, transaction processing, record- and file- level data manipulation, report generation and printing, record sorting and selection, and applications interfacing.

Requirements: RT-11 Operating System

3.1.2 Networking

Subject: Networking

Title: STAR-11

Contact:

Robert Natale
Product Manager
International Computing Company
4330 East-West Highway
Bethesda, Maryland 20014
(301) 654-9120

Description:

STAR-11 implements a multi-user RT-11 system by using multiple processors. With this approach, none of the advantages of a single user system are lost. Physically STAR-11 is implemented as a host/satellite star-shaped computer network. STAR-11 1) Supports fourteen independent RT-11 users; 2) Uses RT-11 keyboard monitor commands; 3) Supports RT-11 programs and requests; 4) Full 27K word partition for each user; 5) Each user gets full memory protection; 6) Shared access to all system peripherals; 7) Permits separate and shared directories; 8) Fully automatic line-printer spooling; 9) Intra-job message and command services; 10) Satellites can support real-time applications.

Requirements: RT-11 Operating System

Subject: Networking

Title: DECnet-RT Ver. 1.1

Contact:

Digital Equipment Sales Representative
Local Digital Equipment office

Description:

DECnet-RT allows a suitably configured RT-11 system to participate as a Phase II DECnet node in point-to-point computer networks. DECnet-RT offers task-to-task communications, network file transfer and network resource sharing capabilities, using the DIGITAL Network Architecture (DNA) protocols. DECnet-RT communicates with adjacent nodes over synchronous and asynchronous communications lines. Access to DECnet-RT is supported for RT-11 user programs written in MACRO-11 and FORTRAN

Requirements: RT-11 Operating System

3.1.3 Word Processing

Subject: Word Processing

Title: CID

Contact:

Marketing
Terak Corporation
14151 North 76th Street
Scottsdale, Arizona 85260
(602) 998-4800

Description:

CID (Computer Imaged Document) is a program designed to generate "camera ready" documents, manuals, form letters, memos, etc., for one or more user written files. These files consist of text, optionally interspersed with CID format control directives. Outstanding features of CID include: 1) Automatic TABLE OF CONTENTS generation; 2) Input from several different files simultaneously, particularly useful for name/address files for form letter generation; 3) Text substitution, useful for personalized form letters; 4) Automatically numbered topic titles and sub-titles; 5) Text printed as entered or formatted by CID via word and space manipulation, with or without right margin justification; 6) Tabsets, centering, underlines, and right adjusts; 7) Forcing page ejection with optional facility to skip to next odd or even numbered page; 8) Dynamic top and bottom titles with auto substitution of current page number where desired; 9) Pagewidth control via indentation, margin, and linelength directives; 10) Arithmetic expression evaluation.

Requirements: RT-11 Operating System

Subject: Word Processing

Title: WP Saturn

Contact:

Saturn Systems
Box 764
Hopkins, Minnesota 55343
(612) 944-2452

Description:

WP Saturn is an automated office system designed to run on the DEC family of computers. It creates standard ASCII files using a simple and fast screen editor. A powerful formatter is integrated with the editor to form your documents. It has prompted data entry, sort/select, record searches, wraparound, automatic hyphenation, index and table of contents generation, and many other features to assist you.

Requirements: RT-11 Operating System

3.1.4 Programming Languages

Subject: Programming Languages

Title: RT-11 FORTRAN IV Ver. 2.1

Contact:

Marketing
Terak Corporation
14151 North 76th Street
Scottsdale, Arizona 85260
(602) 998-4800

Description:

FORTRAN IV is an extended FORTRAN implementation based on ANSI FORTRAN X3.9 - 1966. It operates under the RT-11 operating system. The PDP-11 FORTRAN IV language includes the following extensions to the ANSI standard: 1) General expressions in all meaningful context; 2) Mixed-mode arithmetic; 3) BYTE data type for character manipulation; 4) ENCODE, DECODE statements; 5) PRINT, TYPE, ACCEPT input/output statements; 6) Direct-access unformatted input/output DEFINE FILE statement; 7) Comments allowed at end of each source line; 8) OPEN and CLOSE file access control statements.

Requirements: RT-11 Operating System

Subject: Programming Languages

Title: RT-11 BASIC-11 Ver. 2.0

Contact:

Marketing
Terak Corporation
14151 North 76th Street
Scottsdale, Arizona 85260
(602) 998-4800

Description:

BASIC-11 is a conversational programming language developed at Dartmouth College that uses simple English-like statements and familiar mathematical notations to perform operations. BASIC-11 is an incremental, interactive, interpretive compiler operating under the RT-11 operating system. BASIC-11 features include: 1) A variety of program manipulation commands including commands for saving, editing, running, and retrieving BASIC programs; 2) Support for real, integer, double precision, and string data types; 3) Immediate mode statements for debugging and desk calculator usage; 4) Sequential data storage using the RT-11 file system; 5) Disk virtual arrays for string, integer, and real data types; 6) CALL facility for invoking assembly language subroutines; 7) Formatted output using the PRINT USING statement.

Requirements: RT-11 Operating System

Subject: Programming Languages

Title: OMSI Pascal Ver. 1.2

Contact:

Oregon Software
2340 S.W. Canyon Road
Portland, Oregon 97201
(503) 226-7760

Description:

OMSI Pascal is a native code compiler running under the RT-11 operating system. It conforms to Standard Pascal as defined by Jensen and Wirth and has several extended features. Among these features is the ability to compile inline assembly code, a facility to call FORTRAN subroutines, high level debug capability, and independent module compilation.

Requirements: RT-11 Operating System

3.1.5 Cross Assemblers

Subject: Cross Assemblers

Title: BSO High-Speed Cross-Assemblers For Microprocessors

Contact:

Patrick Q. Fennessey
Boston Systems Office
469 Moody Street
Waltham, Massachusetts 02154
(617) 894-7800

Description:

The CA/MICRO series of high-speed cross-assemblers satisfies the need for rapid generation of machine code for microprocessors manufactured by AMD, AMI, Fairchild, Intel, MOS Technology, MOSTEK, Motorola, National Semiconductor, NEC, Rockwell, RCA, Texas Instruments, Zilog, and others. By using a more powerful machine than the microprocessor itself, the programmer can take advantage of the higher speed, larger memory, more powerful editing capability and high-speed peripherals of the host computer. The cross-assembler itself is written in host computer assembly language, resulting in rapid conversion of source code into the microprocessor's object code with minimal use of computer resources. Input to the cross assembler is the assembly language of the microprocessor.

Requirements: RT-11 Operating System

3.1.6 Statistical Packages

Subject: Statistical Packages

Title: MINITAB

Contact:

Minitab Project
215 Pond Laboratory
University Park, Pennsylvania 16802
(814) 865-1595

Description:

Minitab is a very easy to use, flexible, and powerful statistical computing system. It is machine compatible, and runs in batch or interactively. Minitab is a statistical computing system intended primarily for 1) Students taking elementary or intermediate statistics courses, or other courses using statistics; 2) Researchers who are analyzing small to medium sized data sets. Minitab's features include: 1) Easy to learn; 2) Easy to use; 3) Flexible; 4) Well documented; 5) Runs in both interactive and batch modes; 6) Inexpensive; 7) Extensively tested in classroom and research use.

Requirements: RT-11 Operating System and minimum Dual Density Capacity.

Subject: Statistical Packages

Title: SPSS-11 Ver. 3.1

Contact:

Susan Phelan
SPSS, Inc.
444 N. Michigan
Suite 3300
Chicago, Illinois 60611
(312) 329-2400

Description:

SPSS-11 is a powerful subset of the well known Statistical Package for Social Sciences (SPSS), developed with the minicomputer user in mind. Release 3.0 of SPSS-11 contains facilities for descriptive statistics, contingency tables, correlation analysis, regression analysis, and analysis of variance. Statistical routines include FREQUENCIES, CROSSTABS, BREAKDOWN, T-TEST, SCATTERGRAM, PERASON CORR, PARTIAL CORR, ANOVA, and REGRESSION.

Requirements: RT-11 Operating System, FORTRAN IV, and hard disk capacity of at least 5 Mbytes.

3.2 Under UCSD Pascal Version 2.0

3.2.1 Data Entry

Subject: Data Entry

Title: Data Entry Package

Contact:

Marketing
Terak Corporation
14151 North 76th Street
Scottsdale, Arizona 85260
(602) 998-4800

Description:

The Data Entry Package is a series of programs designed to allow easy design of data entry forms, easy operator entry of data, and strict type checking of all data entered. Using FORMEDIT, a data entry document is created and can consist of multiple screen forms. Data typing and checking is easily selected by a keystroke menu method. Form layout is accomplished by moving the cursor on the screen and then selecting the position to specify a field. The program ENTRY is used by data entry operators to enter, verify, and edit data. All data entered is saved on files on diskette and may then be processed by user programs locally or may be sent to a remote host computer for processing.

Requirements: None

3.2.2 Tektronix Terminal Emulators

Subject: Tektronix Terminal Emulators

Title: TEKSIM

Contact:

Marketing
Terak Corporation
14151 North 76th Street
Scottsdale, Arizona 85260
(602) 998-4800

Description:

The TEKSIM program is a Tektronix 4010 emulator. It maps the visible portion of a Tektronix screen onto the Terak 8510/a or Terak 8600 screen, appropriately scaled to match the Terak 8510/a or Terak 8600 hardware. Graphic crosshairs input behaves the same as a 4010 through the use of cursor arrow keys.

Requirements: UCSD Pascal V2.0

3.2.3 Word Processing

Subject: Word Processing

Title: RSI PROFF and FORML

Contact:

Renaissance Systems, Inc.
Software Products Department
11760 Sorrento Valley Rd.
San Diego, California 92121
(714) 452-0681

Description:

PROFF is a text formatting and printing program designed for use with ASCII source text files to assist the user in document preparation. PROFF, patterned after NROFF in UNIX (trademark of Bell Labs Inc.), is used for formatting and printing text by including text lines with PROFF control commands into any text file prepared with the system editor. PROFF commands control: 1) Margin settings; 2) Page numbering and page number position; 3) Text formatting and justification; 4) Special commands to include other files in the printed document; 5) Built-in feature of proportional spacing between letter of a line is effective if the DIABLO printer is used. FORML is a document editing and printing program for generating form letters. FORML uses three files to generate form letters: 1) A FRAME file containing the single document with generic 'labels' used for text substitution; 2) A LABELS file containing text to be inserted into FRAME document; 3) An ERRORS file to be used to print any document marked as incorrect during production of a series of documents.

Requirements: UCSD Pascal V2.0

3.2.4 Programming Languages

Subject: Programming Languages

Title: SVS FORTRAN '77

Contact:

Marketing
Terak Corporation
14151 North 76th Street
Scottsdale, Arizona 85260
(602) 998-4800

Description:

SVS FORTRAN '77 is a subset of ANSI FORTRAN X3.9 - 1978. It operates under the UCSD P machine architecture. SVS FORTRAN includes the following features: 1) Compiler directives have been added to convey certain compile-time information to the FORTRAN system about the current compilation; 2) The ability to include various files with subprograms; 3) Produce cross reference listings at the end of each procedure; 4) Access to all UCSD Pascal Library routines, including graphics.

Requirements: UCSD Pascal V2.0

3.2.5 Computer Aided Learning Packages

Subject: Computer Aided Learning Packages

Title: University of Utah VCLP

Contact:

Barbara Knapp
Manager, Product Group
Video Learning Project
Physics Department
University of Utah
Salt Lake City, Utah 84112
(801) 581-5290

Description:

The University of Utah Video Learning Project, under the direction of Dr. Richard Brandt, has developed a package of programs which facilitate the development of Computer-Assisted learning materials. This package, called the VIDEO COMPUTER AUTHORIZING SYSTEM, allows an instructor to create interactive lessons without doing any programming. Using the authoring system, an instructor can easily create and edit text, graphics, and animation; build a lesson; manage a course; and revise lessons. The system supports the integration of video material on either videodisc or videotape. During the lesson, author selected video information is displayed under computer control.

Requirements: None

3.2.6 Computer Aided Design

Subject: Computer Aided Design

Title: T-Square

Contact:

T & W Systems, Inc.
18437 Mt. Langley, Suite B
Fountain Valley, California 92708
(714) 963-3913

Description:

T-Square is an ideal tool for preparing piping isometrics. The designer inputs to the computer using a digitizer or typewriter keyboard. Through the graphics CRT, he may immediately see the results. If the computer-drawn figure is not to his liking, he may change it right on the screen. Once correct, the illustration may be sent directly to the plotter while the next isometric is begun. Applications include Computer Aided Instruction, 2D Drafting, tool geometry, and engineering calculations.

Requirements: Dual Density capacity. Optionally a digitizer and plotter.

3.3 Other Operating Systems

3.3.1 Program Synthesizers

Subject: Program Synthesizers

Title: PLCS

Contact:

Cornell Program Synthesizer Project
Department of Computer Science
UPSON HALL
Cornell University
Ithica, New York 14853

Description:

The Cornell Program Synthesizer is a system to develop structured programs on the TERAk 8510/a. The system provides a self-contained programming environment with integrated facilities to create, modify, file, execute, and debug programs. The principle innovation of the system is its syntax-directed editor: the entry and modification of program text is guided by a grammar for the host programming language. Because the parser is incorporated in the editor, it is normally impossible to create a syntactically incorrect program. Documentation, technical reports, and demonstration copy of the system may be obtained by sending a blank diskette and return packaging to the above address.

Requirements: None

Section 4

Peripherals

4. Peripherals

The following list is a collection of peripheral devices that are being used by someone on a Terak Graphics System. Having a particular product listed does not endorse that product. I.e. all printers will work with the Terak through the serial I/O port, but some programming may be required to utilize all the features of the printer. If a piece of hardware is being used that is not listed here, send a description and address in the format given for each entry. Only those peripherals that require NO modification should be sent.

4.1 Disks

Type: Hard Disk

Name: RL01 disk subsystem

Contact:

Marketing
Terak Corporation
14151 North 76th Street
Scottsdale, Arizona 85260

Description:

This is a hard disk cartridge system. It gives from 5.2 Mbytes to 10.4 Mbytes of capacity on line. The RL01 is compatible with the RT-11 and UCSD Pascal operating systems. Software is available from Terak Software Support.

Requirements: 8515 expansion chassis for RL01 disk system.

Type: Winchester Disk

Name: DSD 880

Contact:

Data Systems Design
2241 Lundy Avenue
San Jose, California 95131
(408) 727-9353

Description:

This winchester disk subsystem is an RL01 look alike. Using a dual wide card to interface to the LSI backplane, this disk gives a maximum of up to 7.8 Mbytes of storage. This disk will only work with the RT-11 operating system. Software is available from Terak Software Support.

Requirements: One dual wide backplane slot.

4.2 Printers

All printers listed here have handlers available on RT3B-80-0005 under RT-11 or can be output to with the PRINTOUT program on PS20-80-0001 under UCSD Pascal.

Type: Printer

Name: IDS Paper Tiger

Contact:

Integral Data Systems
Milford, New Hampshire 03055
1-800-258-1386

Description:

The IDS Paper Tiger printers are matrix printers, capable of graphics and several character sizes. Uses RS-232 communications.

Type: Printer

Name: LA-36 and LA-120

Contact:

Marketing
Terak Corporation
14151 North 76th Street
Scottsdale, Arizona 85260
(602) 998-4800

Description:

The LA-36 and LA-120 are matrix printers. Uses RS-232 communications.

Type: Printer

Name: Malibu 165 or Malibu 200

Contact:

Malibu Electronics Corporation
2301 Townsgate Road
Westlake Village, California 91361
(805) 496-1990

Description:

The Malibu printers are high speed matrix printers, capable of graphics and multiple fonts. Uses RS-232 communications.

Type: Printer

Name: NEC Spinwriter

Contact:

NEC Information Systems
5 Militia Drive
Lexington, MA 02173
(617) 862-3120

Description:

The Spinwriter is a fully formed character printer. Output is letter quality, and many fonts are available on different print thimbles. The Spinwriter also has a graphics mode and uses RS-232 communications.

Type: Printer

Name: Centronics Model 730

Contact:

Centronics
Hudson, New Hampshire 03051
(603) 883-0111

Description:

The 730 is a low cost matrix printer. Uses RS-232 communications.

Type: Printer

Name: QUME Printers

Contact:

QUME Corporation
2350 Qume Drive
San Jose, California 95131
(408) 942-4000

Description:

The QUME is a fully formed character printer. Output is letter quality, and many fonts are available using different print wheels. Uses RS-232 communications.

Type: Printer

Name: Printronix Model 300

Contact:

Printronix, Inc.
17421 Derian Ave.
PO Box 19559
Irvine, California 92713
(714) 549-7700

Description:

The Model 300 is a high speed matrix printer capable of graphics. Uses RS-232 communications.

Type: Printer

Name: Media 12/7

Contact:

Sanders Technology
Box 1226
Nashua, New Hampshire
(603) 882-1000

Description:

The Media 12/7 is a matrix printer capable of high quality print output and graphics. Uses RS-232 communications.

Type: Printer

Name: TI 810 and TI 820

Contact:

Texas Instruments
PO Box 1444, M/S 7884
Houston, Texas 77001
(713) 373-1050

Description:

The TI 810 and 820 are high speed matrix printers. Uses RS-232 communications.

Type: Printer

Name: Diablo 1620 and 1640

Contact:

Diablo Systems

Hayward, California

Description:

The 1620 and 1640 are fully formed character printers for letter quality output. Many fonts are available with different printwheels. Uses RS-232 communications.

4.3 Printer/Plotters

Type: Printer/Plotter

Name: Versatec V-80

Contact:

Versatec

2805 Bowers Avenue

Santa Clara California 95051

(408) 988-2800

Description:

The Versatec V-80 is an electrostatic printer/plotter. May be used for high quality printer or plotter or CRT hard copy. Requires controller and handler available from Versatec. Software also available from Versatec for plotting functionality. Works only with RT-11 operating system.

4.4 Plotters

Type: Plotter

Name: HIPlot 1

Contact:

Houston Instrument
One Houston Square
Austin, Texas 78753
1-800-531-5205

Description:

The HIPlot 1 is an inexpensive pen plotter. Uses RS-232 communications. Software to drive this plotter available on PS20-80-0003.

Type: Plotter

Name: HP 7221

Contact:

Hewlett Packard
16399 West Bernardo Drive
San Diego, California 92127
(714) 487-4100

Description:

The HP 7221 is a pen plotter with up to 8 pens available for plotting a single graph. Uses RS-232 communications.

4.5 Digitizers

Type: Digitizer

Name: BitPad 1

Contact:

SummaGraphics Corporation
35 Brentwood Avenue
Fairfield, Connecticut 06430.
(203) 384-1344

Description:

Digitizing tablet. Uses RS-232 communications. Software drivers available for this device on PS20-80-0003 and RT3B-80-0005.

Type: Digitizer

Name: HIPad

Contact:

Houston Instrument
One Houston Square
Austin, Texas 78753
1-800-531-5205

Description:

Digitizing tablet. Uses RS-232 communications. This device useable with software from T & W Systems.

Section 5

Standards

5. Standards for Library Submissions

The following guidelines must be followed for all software submitted to the Terak User's Group. Failure to do so shall result in forfeiture of the software submitted.

- 1) All software must be in the public domain or original to the submitting author. The attached Terak Library Software Specification Sheet should be filled out completely and the release statement at the bottom signed.
- 2) All software should be submitted in source form where possible. Each disk should contain a file detailing all software on the disk in the file README.TXT or README.TEXT. Complete documentation on the use of a program should be included in a file program.DOC or program.DOC.TEXT. If special handling is required to compile, assemble, or otherwise make a runnable program, instructions should be provided in a file called BUILD.TXT or BUILD.TEXT.
- 3) All programs should contain the author's name, address, date, and version. Programs should display the version (or revision level) and date of last modification. The following paragraphs should be included at the beginning of each program:

Copyright (C) Terak User's Group

Program Name:

Author:

Address:

Version:

Date:

The above author submits this software for general use to the Terak User's Group. It is believed that the information contained herein is accurate. In no event shall the author be liable for any losses or damage whether direct or indirect resulting from the use of this software, including, without limitation, losses arising from claims of patent, copyright, or trademark infringement.

General permission to copy or modify, but not for profit, is hereby granted, provided that the above copyright notice is included and references made to the fact that reproduction privileges were granted by the Terak User's Group.

- 4) Programs should be commented for clarity. An overabundance of comments will sometime confuse more than help. Be concise. Remember you may want to modify software submitted by someone else. Do unto others, as the saying goes.
- 5) Software will be collected by the Terak User's Group Librarian and added to the User's Group Library, categorized as seen fit by the Librarian. If other considerations are required, please address these in an attached letter with the software.

6) Software will be made available to other Terak Users as specified in the beginning of the Catalog. All submitted software is for non-profit purposes.

7) Users submitting accepted software will be allowed to request one disk of library software for each disk required to submit their software. Please include an order form with the submission and enter "EXCHANGE" for total amount enclosed.

8) Commercial software vendors wishing to be listed in the Terak User's Group Bulletin of Available Terak Software should submit a demonstration copy of all software and complete documentation. These materials will not be returned.

Terak User's Group

Software Submission Sheet

Return to

Terak User's Group
Software Submission
14151 North 76th Street
Scottsdale, Arizona 85260

(Please Type: All submissions will be photocopied.)

1. Operating System

RT-11/85 V4 RT-11/85 V3B
 UCSD Pascal V2.0 UCSD Pascal V1.5e
 Other _____

2. Source Language

UCSD Pascal OMSI Pascal
 SVS FORTRAN RT-11 FORTRAN IV
 BASIC C
 Other _____

3. Program Name _____

Version/Revision Level _____

Date _____ New _____ Revision _____

4. Approximate Disk Requirements

Single Density (256 KBytes)
 Double Density (512 KBytes)
 Hard Disk (_____ MBytes)
 None Other _____

5. Sources Provided YES _____ NO _____

6. Is Documentation provided on machine readable media: YES _____ NO _____

7. Primary Use _____

Secondary Use _____

8. Program Abstract _____

8. Restrictions, Deficiencies, Problems _____

9. Software Libraries Required: NO _____ YES _____
Library _____

10. Other Software Required _____
Other Hardware Required _____

11. Current Author _____ Affiliation _____
Address _____ Phone _____
_____ Contact _____
City _____ State _____ ZIP _____
Country _____

12. Is there a charge for this software? NO _____ YES _____
If YES this software will be considered COMMERCIAL. Please submit
complete documentation and a demonstration copy plus a name and
address of person to contact regarding the software.

I hereby release the above described software to the Terak User's
Group for distribution and non-profit use. The Terak User's Group
will not be held responsible for unauthorized use of this software.

Signature _____ Date _____

Item No.	Quantity	Number (Catalog)	Title (Catalog)

Total Number of Disks in this order: _____

Amount Enclosed: \$ _____

(To figure cost, add \$15 to (\$6 times number of disks minus 1),
i.e. $15 + (6 * (nd-1))$)

Orders cannot be completed without full payment.
Make payment with check or money order payable to Terak User's Group
Software Library. Allow 2 to 3 weeks for delivery.

Signature _____ Date _____

Shipping Address:

Name: _____

Address: _____

City: _____

State: _____ Zip: _____