

Dear Licensee:

Thank you for your inquiry regarding the licensing of Apple Software. Enclosed for your use is a document entitled, "List of Licensable Apple Software." This list is your key to determining:

- 1) What Apple software is available for licensing;
- 2) What license agreement(s) to use; and
- 3) License fees.

This list is separated into two alphabetized sections, the first section lists Macintosh products, and the second section, which begins on Page 12, lists Apple II products. Locate the desired Apple Software in the appropriate section. Each Apple Software listed includes a brief description of the software, type of license agreement and license fees. Unless otherwise noted, the software is licensed under the license agreement entitled, "Software Distribution Agreement," Part #91-0001-A which is included in this package.

If the software you are interested in denotes a requirement for a special or source code agreement, please contact the Software Licensing Department at AppleLink SW.LICENSE or 408-974-4667. For your convenience, we have also included in this package two of the most frequently requested special agreements ... System 7 and HyperCard.

Once you have determined which agreement to use, please read the Agreement carefully. The agreement outlines our responsibilities and obligations to one another regarding your use and distribution of the Apple Software.

Once the agreement is filled out completely and signed, return two (2) copies of the agreement and appropriate license fee to the Software Licensing Department. If your request requires the use of multiple agreements (i.e., your licensing both HyperCard and System 7), you must submit two copies of each agreement.

WE WILL NOT BEGIN PROCESSING YOUR REQUEST UNTIL WE RECEIVE TWO SIGNED AGREEMENTS AND YOUR LICENSE FEE(S). THE LICENSE BECOMES EFFECTIVE UPON APPLE'S SIGNATURE. We accept check and money orders only, we do not invoice (foreign checks will be accepted if drawn on US banks). One copy of each Agreement will be returned to you within three weeks of initial processing (not receipt).

If you have any questions, please contact us at AppleLink SW.LICENSE or (408) 974-4667.

Sincerely,

Apple Computer, Inc.
Software Licensing Department

List of Licensable Apple Software
Software Licensing Department
Apple Computer, Inc.

November 1, 1991

**** IMPORTANT ****

Unless otherwise noted:

- **Software is licensed under the Standard License Agreement, entitled, "Software License Agreement," Part #91-0001-A.**
- **License fees are per Licensee Program per year**
- **Special and source code license agreements may be obtained by contacting the Software Licensing Department at 408-974-4667 or AppleLink SW.LICENSE**

SYMBOLS:

- * Software to be furnished by the Software Licensing Department.
- † Software will not be furnished by the Software Licensing Department. For information on obtaining the software, contact the Apple Programmer's and Developer's Association (APDA) at 800-282-2732.
- # Software will not be furnished by the Software Licensing Department.
- + If you are using the operating system with these programs, you must license both the operating system and utility.

(UNSUPPORTED) - Licensed "as is." No technical support available.

No Technical Support available from the Software Licensing Department.

Technical support is provided to Apple Partners by the Developer Technical Support Staff via AppleLink (MACDTS - Macintosh Products, AIIDTS - Apple II Products), MCI Mail (215-0798 - Macintosh Products, 264-0103 - Apple II Products) or US Mail (20525 Mariani Avenue, M/S 75-3T, Cupertino, CA 95014).

MACINTOSH PRODUCTS

Apple Software

License Fee

APPLE DESKTOP BUS SPECIFICATIONS*

The ADB Network for input devices is a broadcast mode of communication between a host computer and various types of input devices. The system supports up to four devices and may be expanded up to sixteen devices.

Included in the package upon licensing ADB is:

- Specification, Apple Desktop Bus
- Engineering Specification, Macintosh Transceiver Interface, ADB
- Specification, Apple Keyboard II
- Specification, Extended Keyboard II
- Engineering Specification, Low Power, ADB Mouse
- Connector, Mini Din, Plug, Latching Cable Mount
- Device Address
- Handler ID

Special approval and agreement required.

50.

APPLE REAL-TIME OPERATING SYSTEM ENVIRONMENT (A/ROSE)†

A/ROSE is a real-time multitasking operating system for smart cards, and provides an intelligent peripheral-controller interface to NuBus on Macintosh II computers. It provides the operating system and core software services required by Macintosh Coprocessor Platform cards for on-board applications software.

Special agreement required.

Internal and Commercial Distribution (One-time fee)

500.

APPLETALK DATA STREAM PROTOCOL (ADSP) 1.5.1†

50.

The AppleTalk Data Stream Protocol is a connection oriented protocol that makes possible the establishment and maintenance of full-duplex streams of data bytes between two sockets in an AppleTalk network.

APPLETALK SOURCE CODE LICENSING PROGRAM (PHASE 2)*

Four options are available for licensing. Licensee must submit written proposal. Contact Software Licensing for pricing and additional information.

Special approval and agreement required.

A/UX® 2.0 DEVICE DRIVERS KIT†

Allows developer to distribute device drivers built using A/UX Device

Drivers Kit purchased from APDA. 50.
Special agreement required.

BITMAPTOREGION 1.1* 25.
This routine will convert a bitmap to a region. Written in MPW object
format which can be linked into an MPW program.

DATA ACCESS LANGUAGE (DAL) DEVELOPER'S TOOLKIT FOR MACINTOSH†

Set of software components that help programmers build Macintosh applications with embedded access to host data. When linked to a host system running the Data Access Language server, the resulting Macintosh application gives users transparent access to shared corporate data.

Special agreement required.

Commercial Distribution (**Per year/product)	50.**
Internal Use (One-time fee)	100.

DATA ACCESS LANGUAGE (DAL) SERVER*

Data Access Servers are networking software products that provide DAL access to databases on a host system.

Special agreement required.

DAL Server for MVS/TSO, Version 1.3	20,000.
DAL Server for MVS/VTAM, Version 1.3	30,000.
DAL Server for VM/CMS, Version 1.3	15,000.

ETHERTALK INSTALLER FOR THE MACINTOSH 2.2.1*

Includes:

- Installer 3.2
- AppleTalk files folder:
 - AppleTalk Version 56.0 (AppleTalk file including the LAP Manager)
 - EtherTalk Phase 2 (EtherTalk ADEV)
 - Network Version 2.3 (Network CDEV)
 - Network Resources file (ResEdit document)
 - Responder Version 2.0
- ElanROM.d (Object Code for Ethernet LC ROM)

Special agreement required. 50.

EXEC 2.0*+ 100.

Exec is an executive program to automate assembly, linking and resource compilation.

EXTENSIONS MANAGER 1.6# (UNSUPPORTED) 50.

Extensions Manager is a control document which allows the user to enable and disable extensions (inits). Can be invoked at startup via space bar; works with System 6 and 7.

HYPERCARD MISC. XCMD's AND XFCN's# 50.

A list of Apple copyrighted XCMD's and XFCN' s which are available for licensing but are not included in the above HyperCard Toolkits is available

from Software Licensing. The annual licensing fee is \$50 per Licensee program regardless of whether one or all of the misc. XCMD'S or XFCN's are licensed.

**HYPERCARD SOFTWARE and HOME STACK, US and INTERNATIONAL
 HYPERCARD APPLETALK TOOLKIT
 HYPERCARD CD AUDIO TOOLKIT
 HYPERCARD MACINTOSH COMMUNICATIONS TOOLBOX TOOLKIT
 HYPERCARD MacTCP TOOLKIT
 HYPERCARD SERIAL TOOLKIT
 HYPERCARD VIDEODISC TOOLKIT 2.0**

Effective November 1, 1991 requests to license the above HyperCard products should be directed to:

*Claris Corporation
 Attn: Licensing Department
 5201 Patrick Henry Drive, M/S C51
 Santa Clara, CA 95052-8168
 (408) 987-7000 or AppleLink CLA.LEGAL*

INSTALLER 3.1* 50.**

**or if your program is already licensed for the Macintosh System Software 6.0.7, Installer 3.1 can simply be added to your existing license at no additional charge. Licensee must notify us in writing.

LAT CONNECTION TOOL†

A tool used for establishing access to Local Area Transport, a DEC proprietary protocol designed for efficient handling of terminal traffic over Ethernet networks.

Special agreement required.

Internal and Commercial Distribution 2500.

LOGIC MANAGER 1.0d2* 25.

The Inference Manager is a inference engine that can provide advanced programming capabilities to Macintosh applications. This version is a HyperCard XCMD.

This Software is prerelease software and has not been tested and may contain defects. By offering this product, Apple has no express or implied obligation to provide any further versions of the product.

MACAPP 2.0.1†

MacApp®, The Expandable Macintosh Application, is a library of objects that assists programmers in developing a Macintosh Application. This license entitles you to ship applications that have been compiled and linked with the MacApp library; it does not entitle you to ship MacApp source code.

Special agreement required.

Object Code Distribution (Commerical or Non-commercial distribution)
 Non-Commercial/Not-for-Profit (Unlimited Licensee Programs) 10.
 Commercial (Unlimited Licensee Programs) 100.

Site license available. Contact Software Licensing for special agreement and more information.

MACINTALK 1.31† (UNSUPPORTED) 250.

The MacinTalk driver, speech synthesis software for the Macintosh computer.

MACINTOSH II VIDEO CARD UTILITY 1.0b3* (UNSUPPORTED) 25.

This utility is a "Monitors CDEV Extension" which may be of assistance in obtaining interlaced, RS-170 compatible video output signals from a Macintosh II

class machine equipped with the Macintosh II Video Card. It may support 1,2,4 and 8 bites-per-pixel interlaced video and provide an optional "no flicker mode" for the 1 bit-per-pixel mode.

This Software is prerelease software and has not been tested and may contain defects. By offering this product, Apple has no express or implied obligation to provide any further versions of the product.

MACINTOSH AUDIO COMPRESSION & EXPANSION TOOLKIT 1.0† 50.

Enables compression and expansion of digitized data for use with any system 6.0 release. Developer required to send Software Licensing one copy of each product distributed with the Macintosh Audio Compression and Expansion Toolkit before shipping.

MACINTOSH CD SETUP 3.2# 50.

Includes:

- Installer 3.2
- Installer script 3.2
- TeachText 1.2
- CD-ROM Software folder:
 - Apple CD-ROM 3.1
 - Foreign File Access 1.1.1
 - Audio CD Access 1.1.1
 - ISO 9660 File Access 2.0.2
 - High Sierra File Access 2.0.2

CD Remote and CD Remote INIT are not licensable.

MACINTOSH COMMON LISP 1.3.2 or 2.0B1†

Special agreement required.

Object Code Distribution (Commerical or Non-commercial distribution)

This license allows you to distribute applications that have been written in Macintosh Common Lisp.

Licensee must invoke the save-application function with the :excise-compiler option set to true.

Non-Commercial/Not-for-Profit (Unlimited Licensee Programs) 10.

Commercial (Unlimited Licensee Programs) 100.

Site license available. Contact Software Licensing for special agreement and more information.

MACINTOSH COMMUNICATION TOOLS SOURCE CODE*

Includes:

- TTY Terminal Tool
- XModem File Transfer Tool
- Serial Connection Tool.

Special source code agreement required. (One-time fee) 250.

Licensee must submit written proposal.

MACINTOSH COMMUNICATIONS TOOLBOX 1.0† 50.**

The Macintosh Communications Toolbox is an extension of system software for communications.

Comprised of managers and tools, the Macintosh Communications Toolbox provides applications and users with standard access to data connections, file transfer protocols and terminal emulation services.

***or if your program is already licensed for the Macintosh System Software, the Communications Toolbox can simply be added to your existing license at no additional charge. Licensee must notify us in writing.*

MACINTOSH COMMUNICATIONS TOOLS, BASIC CONNECTIVITY SET 1.0†

Includes the following seven tools:

- Serial Connection Tool
- Modem Connection Tool
- AppleTalk ADSP Connection Tool
- TTY Terminal Tool
- VT102 Terminal Tool
- XMODEM File Transfer Tool
- Text File Transfer Tool

Special agreement required.

Internal and Commercial Distribution (**Per year/Product)

50.**

MACINTOSH PROGRAMMER'S TOOLBOX INTERFACE SOURCE CODE 3.0*

The assembly language Source Code for the Lisa Workshop Pascal and MDS assembly language. Interface routines to the Macintosh ROM. Distributed as Macintosh TEXT files.

Special agreement required. (One-time fee)

100.

MACINTOSH PROGRAMMER'S WORKSHOP (MPW) IIGS INTERFACE FILES FOR PASCAL 1.0B1*

50.

The standard set of interfaces for Pascal compilers for the Apple IIGS.

This Software is prerelease software and has not been tested and may contain defects. By offering this product, Apple has no express or implied obligation to provide any further versions of the product.

MACINTOSH PROGRAMMER'S WORKSHOP (MPW) DEVELOPMENT ENVIRONMENT 3.2†

MPW is a full-function environment for professional-level software development. Includes:

- Disk 1: MPW Installer
- Disk 2: MPW Shell, Scripts
- Disk 3: Examples, RIncludes, Tools
- Disk 4: Tools
- Disk 5: More Tools
- MPW 3.2 Reference Manual
- MPW 3.2 Release Notes

Special agreement required.

Commercial Use (One-time fee)

1000.

Site license available. Contact Software Licensing for special agreement and more information.

MACINTOSH SYSTEM SOFTWARE, CHINESETALK, 6.0.6*

Licensee is not allowed to distribute the Li and Xing font files and Kai font (system font)

Special agreement required.

50.

MACINTOSH SYSTEM SOFTWARE, INTERNATIONAL, SYSTEM 6†

50.**

Based on U.S. Macintosh System Software

**Cost Per Language

Arabic AB-6.1

British B-6.0.7.1

Danish DK-6.0.7

Dutch N-6.0.7.1

Faeroese FA-6.0.7

Finnish K-6.0.7

French F-6.0.7
French, Canadian C-6.0.7
French, Swiss SF-6.0.7
German D-6.0.7
German, Swiss SD-6.0.7
Greek GR-6.0.3
Hebrew HB-6.1
Icelandic SK-6.0.3

International Z-6.0.7
Italian T-6.0.7
Norwegian H-6.0.7.1
Persian PS-6.0.7
Portuguese PO-6.0.7
Spanish E-6.0.7
Swedish S-6.0.7
Turkish TU-6.0.3

MACINTOSH SYSTEM SOFTWARE, INTERNATIONAL, SYSTEM 7†

50.**

Not all System 7 files are licensable. For a list of licensable System 7 files, please refer to the Macintosh System Software, US, System 7 description below. All of the US System 7 files are licensable in the comparable International versions except the Before You Install disk.

**Cost Per Language

British B-7.0.1

Danish DK-7.0.1

Dutch N-7.0

French F-7.0.1

French Canadian C-7.0.1

French Swiss SF-7.0

German D-7.0.1

German Swiss SD-7.0

International Z-7.0.1

Italian T-7.0.1

Norwegian H-7.0.1

Spanish E-7.0.1

Swedish S-7.0.1

MACINTOSH SYSTEM SOFTWARE, KANJITALK, 6.0.7*

Apple Computer has a limited license with SCR, the designers of the Osaka, Kyoto, Saimincho and Chugothic fonts included with KanjiTalk. Apple is not able to freely sub-license the Kanji Fonts. Licenses to distribute SCR's fonts must be negotiated with SCR directly. KanjiTalk is available for licensing in two configurations, the KanjiTalk Installer and the KanjiTalk System. The KanjiTalk System is made up of 9 disks. Although the disks contain Kanji fonts, a separate license must be negotiated with SCR for the use of these fonts. Please contact Software Licensing for information on how to contact SCR.

Special agreement required.

50.

MACINTOSH SYSTEM SOFTWARE, US, 6.0.8†

50.

Includes:

- Macintosh System Tools 6.0.8
- Macintosh Printing Tools 6.0.8
- Macintosh Utilities 1 6.0.8
- Macintosh Utilities 2 6.0.8
- Network Products Installer 1.4

MACINTOSH SYSTEM SOFTWARE, US, SYSTEM 7.0.1†

50.

Licensable files/disks:

- AppleFile Exchange 7.0
- AppleTalk ImageWriter 7.0
- Backgrounder 1.3
- Disk First Aid 7.0
- ImageWriter 7.0
- Installer 3.2
- Laser Prep 7.0
- LaserWriter 7.0

- LaserWriter Font Utility 7.0
- LQ AppleTalk ImageWriter 7.0
- Personal LaserWriter SC 7.0
- Personal LW LS 7.0
- Print Monitor 7.0
- Printer Update 7.0
- StyleWriter 7.0
- TeachText 7.0
- Fonts
 - Athens, Cairo, Chicago, Courier, Geneva, London, Los Angeles, Monaco, New York, San Francisco, Symbol, Venice
- Before You Install System 7 disk, Version 1.1 (800K)
 - Before You Install System 7 1.1, Compatibility Checker 1.1, Read Me document, TeachText 1.2

MACSBUG AND DISCIPLINE 1.0.2†+ 100.

Includes:

- MacsBug 6.2.1
- Discipline 2.0.1

MACTCP DEVELOPER'S KIT 1.1*

Includes TCP/IP Drivers: MacTCP & Admin TCP and Programming Libraries; Microsoft Word file copy of Administrator's Guide; Printed manuals: Administrator's Guide and Programmer's Guide.

Special agreement required.

Internal Use (One-time fee) 2500.
 Commercial Use (One-time fee) 5000.

MACTERMINAL SOURCE CODE 3.0*

Special approval and agreement required. (One-time fee) 2500.

Licensee must submit written proposal

MACWORKSTATION 3.1*

A collection of high-level Toolbox routines that allow host programs running over any supported communications protocol to utilize the standard user-interface, file-management, and printing features of the Macintosh. It gives programmers full access to and control over windows, pulldown menus, dialog boxes, and other features of the Macintosh user interface without requiring them to learn the details of a traditional Macintosh programming environment.

Special agreement required.

Internal Use (One-time fee) 2500.
 Commercial Use (One-time fee) 5000.

MACX 1.1.7#

A Site license which allows unlimited copies of the Software (MacX and X11 for A/UX) for use at a defined site is available. License is obtained in the same manner that Licensee obtains Apple hardware products. Suggested Retail Price is \$3995.

MACX25 PROGRAMMING LIBRARY†

The MacX25 Programming Library allows developers to create software solutions that provide users with access to a packet-switched data network

(PSDN). It works in conjunction with the MacX25 Server to provide X25 services to application programs.	
<i>Special agreement required.</i>	
Internal Use (One-time fee)	2500.
Commercial Use (One-time fee)	5000.
MIDI MANAGEMENT TOOLS 2.0.1*	100.
MIDI Sample Applications are not licensable.	
NAMER (SYSTEM 6--Version 2.1/SYSTEM 7--Version 7.0.1)#	75.
A utility which allows you to assign name to printers.	
PRINTER ACCESS PROTOCOL (PAP) OBJECT CODE 1.4*	500.
PAP is the AppleTalk protocol that manages interaction between workstations and print servers; PAP handles connection setup, maintenance and termination, as well as data transfer.	
<i>Licensee must submit a written proposal, providing the title and description of Licensee's Program with an explanation of why the PAP object code is necessary to its development.</i>	
PICTVIEWER 1.1*	50.
A utility which allows viewing of "PICT" files.	
RESCOPY 4.0B31* (UNSUPPORTED)	25.
Macintosh resource mover utility in a HyperCard XCMD. Moves XCMD's, XFCN's, Sounds, Icons, and other Macintosh Resources.	
<i>This Software is prerelease software and has not been tested and may contain defects. By offering this product, Apple has no express or implied obligation to provide any further versions of the product.</i>	
RESEDIT 2.1.1†	
ResEdit is a Macintosh resource editor. It is designed for programmers and is not recommended for non-technical users. It is suitable for inclusion with a software development system.	
<i>Special approval required.</i>	
If used as part of a development system which creates Macintosh applications	100.
Other uses (i.e.: in books and non-development systems)	1000.
RESEDIT 2.1.1† AND DOCUMENTATION*	
Allows Licensee to distribute ResEdit software and the ResEdit Reference Manual.	
<i>Special approval and agreement required.</i>	150.
RMAKER 2.0* (UNSUPPORTED)	100.
An application for creating Macintosh resource files.	
SERIAL NB TOOL†	50.
The Serial NB Tool is a beta-quality tool that when combined with the Macintosh Communications Toolbox and the Apple Serial NB Card allows a Macintosh to have up to 4 additional serial ports. The Serial NB Tool and Serial NB Card Programmer's Reference allow a software developer to develop applications that can use the additional serial ports. In addition, there is a source code example to assist developers in writing their own driver to the Serial NB Card.	

This Software is prerelease software and has not been tested and may contain defects. By offering this product, Apple has no express or implied obligation to provide any further versions of the product.

SERIAL SWITCH 1.1# 50.
Control panel device for controlling serial port settings.

SNA•ps APPC*

The SNA•ps (Systems Network Architecture protocols and services) APPC (Advanced Program-to-Program Communications) Developer's kit is a set of tools, including the SNA•ps APPC Application Program Interface (API), which will enable developers to build applications that will allow Macintosh computers to communicate with other devices on a network on a peer-to-peer basis. SNA•ps APPC is Apple's implementation of IBM's LU6.2 protocols on the Macintosh, and enables the development of Macintosh-SNA mail, database access, AppleTalk services and distributed applications.

Special agreement required.

Internal Use (One time fee per Site) 500.
Commercial Use (One time fee) 1500.

SQUEEZEPLAY (a.k.a. AppleLink Compression Utility)* 50.

SqueezePlay is the compression algorithms used in AppleLink 6.0 and the accompanying stand-alone compression utility. This includes complete source for the ACU application as well as the SqueezeLib.o library file which contains these routines.

Special agreement required.

TELEPHONE MANAGER DEVELOPER'S KIT 1.0† 50.

The Telephone Manager Developer's Kit enables developers to develop telephone based applications on the Macintosh.

TOKENTALK INSTALLER 2.3.1*

The TokenTalk Installer allows developers to distribute a standard Token Ring interface to the AppleTalk network system. Includes:

- Installer 3.2
- ScriptCheck 3.2
- AppleTalk Installation (AppleLink Image file)
- TokenTalk Installation (AppleLink Image file)
- AppleTalkSampleScript.r (MPW Shell document)
- TokenTalkSampleScript.r (MPW Shell document)
- AppleTalk Install.r (MPW Shell document)
- TokenTalk Install.r (MPW Shell document)
- AppleTalkCommon.r (MPW Shell document)
- NetCDevInstall.r MPW Shell document)
- AppleTalk files folder:
 - AppleTalk Version 56.0 (AppleTalk file including the LAP Manager)
 - TokenTalk Phase 2 Version 2.3 (TokenTalk ADEV)
 - Network Version 2.3 (Network CDEV)
 - Network Resources file (ResEdit document)
 - Responder Version 2.0.2

Special agreement required. 50.

TRUE TYPE SOFTWARE PACKAGE 1.0* 50.

The TrueType software package contains the following items:

- TrueType init
- TrueType font suitcase: Courier and Symbol fonts
- Font/DA mover 4.1
- Version 6.1 printer drivers for all Apple printers

Apple requires that this complete package be shipped with Licensee's product. The exceptions are that the font suitcase may be omitted, and the Font/DA mover 4.1 may be shipped separately. This is due to the fact that the 6.1 drivers (or the 7.0 drivers) are required whenever TrueType is being used.

UP YOUR FCBs 1.7* 50.**

**or if your program is already licensed for the Macintosh System Software, Up Your FCBs can simply be added to your existing license at no charge. Licensee must notify us in writing.

VIDEOSYNC 1.0† 25.

VideoSync is a software resource that provides a low cost way for users to record images displayed on a Macintosh monitor screen by using standard consumer video camera equipment.

VISCA Driver 1.0† 50.

A driver which enables control of consumer video equipment.

VT320 TERMINAL EMULATION TOOL†

The VT320 Terminal Emulation Tool provides applications that support the Communications Toolbox with VT320 text terminal emulation capabilities.

Special agreement required.

Internal and Commercial Distribution (One-time fee) 1000.

X11 FOR A/UX#

A Site license which allows unlimited copies of the Software (X11 for A/UX and MacX) for use at a defined site is available. License is obtained in the same manner that Licensee obtains Apple hardware products. Suggested Retail Price is \$3995. Software not provided by the Software Licensing Department.

APPLE II PRODUCTS

<u>Apple Software</u>	<u>License Fee</u>
6502 ASSEMBLY LANGUAGE SANE*	50.
APPLE II DESK TOP TOOLKIT†+ Software modules to help you implement the "desktop" interface described in the Apple II Human Interface Guidelines. Consists of (1) MouseText Toolkit for text-mode output using MouseText desktop characters; (2) Graphics Primitives for fast, QuickDraw-like Double HiRes graphics support; (3) MouseGraphics Toolkit, which uses the Graphics Primitives to create graphics-mode desktop output. ProDOS and UCSD Pascal versions, plus source code demos and documentation. <i>Please indicate on Exhibit A which version you wish to license-ProDOS or Pascal.</i>	50.
APPLE II FILECARD TOOLKIT†+ Four software modules for the "filecard" interface described in Apple II Human Interface Guidelines. The "User Input Routine" object module implements recommended Apple keyboard input for Pascal, Applesoft and assembly-language programs. The "Console Driver" object module offers fast, efficient 80-column text output and screen control for Pascal, Applesoft and assembly language programs. A Pascal object "Console Stuff" unit offers text formatting aids, as well as utilities for overlaying message boxes and Help screens. A Pascal source "Filecard" unit provides utilities for implementing the Filecard interface. Demo source files are also included.	50.
APPLE II HIGH-SPEED SCSI CARD UTILITIES† Includes all software that ships with the Apple II High-Speed SCSI card: <ul style="list-style-type: none">• hard disk utilities• IIGS desk accessory for audio CD's• SCSI.manager• device drivers. The APDA product contains two disks, Disk 2 entitled, "Scanner and Tape Backup Drivers" is NOT licensable.	50.
APPLE II SYSTEM DISK 3.2* This is the latest version of the ProDOS 8 System Disk that is distributed with Apple //e computers. This revision updates version 3.1 by including files that have changed since the last release in 1988. The files that have changed include ProDOS 8 version 1.9 and BASIC.SYSTEM version 1.4.1. Includes: <ul style="list-style-type: none">• ProDos 8 (v1.9)• Launcher (v3.1)• System Utilities (v3.1)• FastCopy (v1.0)• ProDos AppleSoft Command Interpreter (BASIC.SYSTEM) (v1.4.1)• Copy.Me (Text File--No Version)	50.
APPLE IIGS SYSTEM DISK 5.0.4†	75.

APPLE IIGS SYSTEM DISK GERMAN 3.0*	50.
Localized version of the IIGS System Disk.	
DOS 3.3 Developer's System Master* (UNSUPPORTED)	50.
The only licensable version is DOS 3.3, January 1983 or later version <i>Please indicate on Exhibit A if you need diskette.</i>	
DOS TOOLKIT#+ (UNSUPPORTED)	50.
FID#+ (UNSUPPORTED)	50.
HYPERCARD IIGS, VERSION 1.0*	
HyperCard Software and Home Stack only. <i>Special agreement required.</i>	
	50.
IIGS INTERFACE FILES SOURCE CODE*	
M16 and E16 interface files (APW Assembler), H interface files (APW C) v1.1 **\$50 per year (1st product); \$25 per year (subsequent products) **\$10 per year for shareware products <i>Special source code agreement required.</i>	
	**
IIGS TOOL INTERFACE DOCUMENTATION (ASCII) 1.0*	
Apple IIGS tool call names an parameters and parameter types and short descriptions, plus data structures, in ASCII tab and carriage return delimited disk files, ProDOS format. For license in print and electronic publishing documentation products. <i>Special source code agreement required.</i>	
	100.
IIGS TOOL INTERFACES (ASCII) 1.0*	
Apple IIGS tool call names and parameters and parameter types, and data structures, in ASCII tab - and carriage return delimited disk files, ProDOS format. For license to language product developers. <i>Special source code agreement required.</i>	
	50.
LANGUAGE CARD/UTILITIES# (UNSUPPORTED)	25.
Includes:	
<ul style="list-style-type: none"> • APPLESOFT/FPBASIC • HELLO/INTBASIC from DOS 3.3 Developer's System Master. 	
MIDI SYNTH TOOLSET†	50.
Midi Synth is a second generation note synthesizer tool for the Apple IIGS. By integrating a completely new sequencer, MIDI interface and synthesizer into one programming tool, MIDI Synth offers developers a powerful but simple solution to many of their sound needs. Because of this integration, most of the work required by an application is handled by the tool.	

PRINTERS TOOLKIT*+ (UNSUPPORTED) 50.

Assembly source code for printing color or monochrome representation of Apple II graphic screens. ProDOS and UCSD Pascal OS versions support printing RGB or composite color image representations on the Scribe, ImageWriter, or ImageWriter II printers. Demos and documentation included.

Please indicate on Exhibit A which version you wish to license-ProDOS or Pascal.

PRODOS CI SOURCE CODE* 100.

Actual Source Code of the BASIC command Interpreter. This enables you to incorporate your own commands and customize the BASIC Interpreter.

PRODOS DISK FORMATTER 1.0.3* 50.

Includes assembly program source listing of the formatter code used in the ProDOS Filer. This enables your product to format data disks that may be required by your user.

QUICKCONSOLE INIT* 25.

This INIT patches part of GS/OS to provide better throughput on the Console Driver that is part of the AppleIIGS System Disk v5.0.3 and 5.0.4. It will not work with any other version of the System Disk.

SUPERPILOT† 50.

SUPERPILOT SPECIAL EDITION† (UNSUPPORTED) 50.

A license to distribute lessons created using SuperPILOT Special Edition. Must buy license for each course distributed.

SUPERPILOT SPECIAL EDITION SOURCE CODE* (UNSUPPORTED)

Comes with build instructions.

Special source code agreement required. (One-time fee) 300.

APPLE II PASCAL:

ATTACH TOOLS 1.3* 50.

PASCAL 1.2 48K RUNTIME* 50.

Will run on a 64K system. Includes:

- SYSTEM.PASCAL
- SYSTEM.MISCINFO
- SYSTEM.LIBRARY
- SYSTEM.CHARSET
- SYSTEM.ATTACH
- RTSETMODE.CODE
- RTBOOTLOAD.CODE
- RTSTND.APPLE
- RTSTRP.APPLE

PASCAL 1.3 64K or 128K RUNTIME* 50.

Includes:

- SYSTEM.APPLE
- SYSTEM.PASCAL
- SYSTEM.MISCINFO
- SYSTEM.LIBRARY
- SYSTEM.CHARSET
- SYSTEM.ATTACH
- RTSETMODE.CODE

PASCAL 1.3 TREESEARCH AND IDSEARCH* 50.

The Apple II Pascal versions 1.0 through 1.2, TREESEARCH and IDSEARCH were special purpose built-in routines which could be called from within a Pascal program. The routines existed primarily for use by the Compiler and Libmap but were also available for use by applications. In Apple II Pascal 1.3, the routines were removed due to space requirements. They are being supplied as 6502 codefiles which can be linked to Pascal programs.

PASCAL FILER 1.3+† 50.

PASCAL FORMATTER 1.3 *+ 25.

Includes formatter program and subroutines

PASCAL OS, INTERP 1.3† 100.

Includes:

- SYSTEM.APPLE
- SYSTEM.PASCAL
- SYSTEM.MISCINFO
- SYSTEM.CHARSET
- SYSTEM.LIBRARY

PASCAL SHORT GRAPHICS UNIT*+ 25.

PRODOS ACCESS UNIT* 50.

Only guarantee 1.2 compatibility

VOLUME MANAGER UNIT* 50.

Allows Pascal application programs to create, remove, assign, and release hard disk volumes on the profile.
Only guarantee 1.2 compatibility.

Developer Services

Software Licensing

12/3/91