Great Support for Micol Advanced BASIC e/c

Dear *Micol Advanced BASIC e/c* User:

We would like to tell you about some special products Micol Systems has developed specifically for Apple IIe/c users of *Micol Advanced BASIC*. These product are: the *Desktop Construction Set*™ (designed to give you a Macintosh type desktop interface within your programs), the *Micol Advanced Utilities e/c*™ (designed to help you get the maximum understanding of many of the features of *Micol Advanced BASIC e/c*) and *System M2000*™ (a macro assembler for BASIC programmers).

Human Engineered Interface for Your BASIC Programs

The Macintosh's user friendly desktop interface has, in large part, made the Macintosh computers the popular computers they are today. Have you ever wanted to have such an interface on your Apple IIe or Apple IIc? Well, with the *Desktop Construction Set*, together with *Micol Advanced BASIC e/c*, you now can.

The *Desktop Construction Set* consists of clearly written *Micol Advanced BASIC e/c* routines which permit you to make text based Macintosh or Apple IIGS like Menues and Windows on your Apple IIe or Apple IIc. These routines can be easily included with your programs and support both Mouse and keyboard control of your choice. Now, it's a cinch to write, on your Apple IIe or Apple IIc, the type of interface that has made the Macintosh computers so popular. Clearly written documentation, on disk, comes with each copy of the *Desktop Construction Set.* Did you ever think such a desktop interface would be possible in BASIC on your Apple II?

We are offering The *Desktop Construction Set* to our customers for only $29.95 in US funds. When one thinks about the power this offers, this is truely a small price to pay.

Utility Plus Learning

The *Micol Advanced Utilities e/c* is not a single product, but is really two products in one: the *Micol Media Management Utilities* (a ProDOS 8 disk management system), and the *Micol Software Calculator* (a software calculator for scientific and home uses).

The *Micol Media Management Utilities* has all of the features, and more, of a quality disk management system you require for everyday usage. Do you have so many directories on your system that it's almost impossible to locate a particular file? With the *Micol Advanced Utilities e/c*, you'll find that hard-to-locate file in just a few seconds. What if you know only a part of the filename, or just the date? That's still okay. Need to know the contents of a file in either text or

hexadecimal format? Again, no problem.

Need to quickly copy files, or even whole directories? Which are the bad files on your system? Wish to see the directory listed in alphabetical order, or ordered by file type, date, etc.? With the *Micol Media Management Utilities*, you can do these, and a whole lot more. And it's as user friendly as can be.

Need the use of a calculator, but don't want to bother looking for one? Or need to see the results in hexadecimal? Well, the *Micol Software Calculator* is the answer. The *Micol Software Calculator* does usual calculator math, has memory usage and standard trig functions, etc.

As an added bonus, we'll even include a quick access ASCII chart within the *Micol Advanced Utilities e/c*. If you need to know the ASCII value of a character, no need to hunt for your ASCII chart anymore. And what about MouseText characters? Most ASCII charts don't even list them! For example, what value makes an Open-Apple on the screen? You'll always have these values handy if you have the *Micol Advanced Utilities e/c*.

The *Micol Advanced Utilities e/c* is designed to be used with *Micol Advanced BASIC e/c*. Simply include the Utilities in the UTILITY folder of *Micol Advanced BASIC e/c*, and they're ready to use. The online help screens mean even the documentation is easy to access. If you like *Micol Advanced BASIC e/c*, you'll like the *Micol Advanced Utilities e/c*.

We've saved to best for last. The *Micol Advanced Utilities e/c* was written entirely in *Micol Advanced BASIC* for the Apple IIe/c by the author of *Micol Advanced BASIC*, himself. You'll be amazed at the speed and power of an expertly written *Micol Advanced BASIC e/c* program. With every order of the *Micol Advanced Utilities e/c*, you'll also receive the source code to the Utilities absolutely free of charge. This is the ideal way to learn structured programming as the source code follow all the rules for good structured programming.

In addition, we'll even include the latest update to version 3 of *Micol Advanced BASIC e/c* at no additional charge.

The price for the *Micol Advanced Utilities e/c* is only $29.95 in US funds. If you are serious about your BASIC programming, then this is an offer you shouldn't pass up.

Maximize Micol Advanced BASIC e/c with Machine Language

And to those of you who wish to get into assembly language on your Apple IIe/c, we're offering *System M2000*, our inhouse macro assembler, for only $59.95US (regularly $69.95US). Please see the *System M2000* flier included with this package. *Micol Advanced BASIC e/c*'s predecessor *Micol BASIC* was written using *System M2000*, so you know it must be powerful. If you've been considering adding those fast machine language routines to your *Micol Advanced BASIC e/c* programs, or just thinking about getting into assembly language, now's the time.

Order today, you won't be disappointed. For fast credit card orders (Visa and MasterCard accepted), or for additional information, please call (416) 495-6864 during normal business hours (EST), or use the handy order form included with this package for orders through the mail.

The Micol Systems Staff

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Desktop Construction Set

Instructions

The disk you received with the Desktop Construction Set (hereafter called the Disk) contains the source files on the front of the Disk (hereafter called Source Side). The documentation to the Desktop Construction Set is contained on the back side of the Disk (hereafter called Documentation Side). The volume name to both sides of the Disk is /DESKTOP.CON.SET.

On the Documentation Side of the Disk are three documentation files: DOC.PART.1, DOC.PART.2 and DOC.PART.3. which comprise the entire documentation to the Desktop Construction Set. The documentation is separated into three files so you may load these files into the Micol Advanced BASIC e/c editor to read, if you wish. In addition, there is a compiled Micol Advanced BASIC e/c program on the Documentation Side of the Disk called PRINT.DOC.BIN, designed to send these files to a printer.

To send the Desktop Construction Set documentation to your printer, you first must boot Micol Advanced BASIC e/c. Place the Disk into a second drive, Documentation Side facing upwards. From the Micol Advanced BASIC e/c Shell, enter RUN /DESKTOP.CON.SET/PRINT.DOC and press the Return key. Then simply follow the instructions which appear on the screen. About 19 pages are required to print the entire documentation. A standard 80 column printer connected to slot one is assumed.

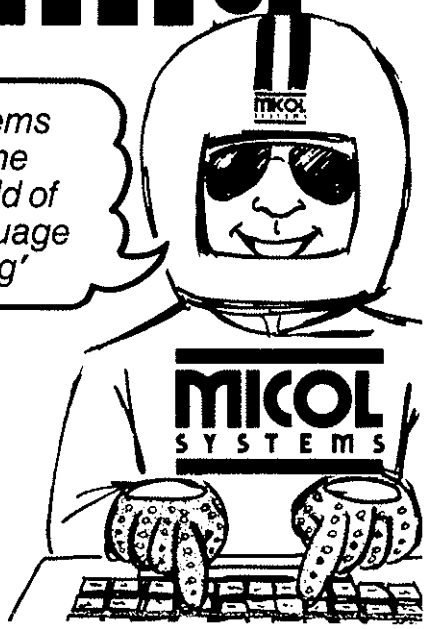
On the Source Side of the Disk are contained the source files to the Desktop Construction Set. If you wish to see what kind of interface is generated by the Desktop Construction Set, you will probably wish to run the demonstration program on the Source Side of the Disk. The Source code to the demonstration program is contained on the Source Side of the Disk as files MOUSE.DEMO, GRAPH and COLORS. Because of the space limitations on the Disk, we have already compiled these files for you.

To run the demonstration program, you must boot Micol Advanced BASIC e/c, Version 3.1. If you do not have Version 3.1, you will have to recompile these files. The Disk must be in a second drive, Source Side up. From the Micol Advanced BASIC e/c Shell, enter PREFIX /DESKTOP.CON.SET <CR>, and then enter RUN MOUSE.DEMO <CR>.

There is a batch file on the Source Side of the Disk called COMPLINK which is designed to compile and run the demonstration program. Unfortunately, there is not enough room on a 5.25 inch disk to accomplish this, so you will have to transfer these source files to another medium (large RAM disk, hard disk or 3.5 inch drive) before you can BATCH the COMPLINK file.

SYSTEM M2000

Double Your Programming Power



Now you can easily add far greater speed and versatility to your Apple II with this extraordinary new Macro Assembler package — System M2000

Here's How...

Thousands of BASIC programmers have discovered the benefits of assembly language programming. Now you can too.

Since machine language programs usually run 40-60 times faster than their BASIC counterparts, this inexpensive package is like buying a more powerful computer at a fraction of the cost. A professional system that even the novice will find easy to use, it assembles kilobyte files in seconds and is one of the most powerful macro assemblers available.

But it's more than just an assembler. Your programming will be simplified with such well designed tools as the Text Editor which has all the features you need to create your programs easily plus a machine language Monitor, a sophisticated debugging tool and complete man machine language interface.

The package is 100% machine code and fully copyable for your convenience.

Included in System M2000 are the following:

Menu
Makes this system software accessible at the touch of a finger.

Text Editor
Has these features:

ADD	— add line(s) of code anywhere in your file
DELETE	— delete line(s) of code anywhere within your file
DIR	— look at the directory on the diskette
EDIT	— edit line(s) of code.
REP	— locate and replace any string within your file or a portion thereof
LIST	— list your file in assembled listing format
LOAD	— load your program from disk
SAVE	— save your program to disk
MERGE	— easily merges program files

AND MUCH MORE

Full Featured Macro Assembler
Processes kilobyte files in seconds. Has all the features for easily developing quality machine code such as:

- Full MACRO capabilities including parameter substitutions
- Recognizes the full 6502 op code set as well as the 27 additional instructions of the 65C02
- Labels of any size
- Conditional assembly
- Accepts addresses in hex, octal, decimal or binary
- Chain program files
- Meaningful error messages
- Full symbol table dump and send listings to printer as required
- Assemble to disc or memory
- Include program files
- Makes maximum use of your computer's memory
- Allows almost full memory usage of your machine language programs

Monitor
Indispensable for assembly language development. Has these features:

- Clear display of all status flags, registers, counters, memory usage during a trace.
- Send display to printer (default to screen).
- Trace a program through execution.
- Disassemble a program.
- Get a hex dump of memory.
- Dump memory as ASCII characters.
- Set break points and get a clear dump of registers, counters, and status flags when executed.
- Move or relocate a program.
- Change memory.
- Load or save binary files to disk.
- Execute a machine language program.
- Completely copyable.
- 6502 or 65C02 instruction set.

Documentation
Complete and easy to understand

Also included is a well commented example program to make learning this system much easier. Put System M2000 to work for you today and watch your programming power double.

ATTENTION [illegible]lus & Apple IIe [illegible]rs

Now you can have the [illegible] — the powerful 65C02 chip with its 27 additional instructions. This chip is ava[illegible] exclusive discount price. Details inside.

MICOL SYSTEMS

Made in Canada