At last!
DEVELOP dBASE APPLICATIONS UP TO 4 TIMES FASTER WITH SYCERO -- the application generator for Clipper users

Dear Clipper user:

Have you ever considered using some type of dBASE program generator to speed up your development work? There are lots of products on the market advertised as "application generators." But the majority handle only a portion of the application development cycle, such as screen design or report layouts. And the others are woefully inadequate ... as you may have already discovered.

However, now for the first time we can offer you SYCERO db -- a complete applications generator that can help you develop large complex systems in a fraction of the time required manually, without the need to write or modify a single line of dBASE code!

Think about the difference this could make in your life: A "quick and dirty" application that used to take days to develop can be produced in just a few short hours...while a more complex system budgeted to take a month can be completed ahead of schedule -- with 3 weeks to spare!

In short, no matter what type of applications you do -- or who you do them for -- SYCERO db can reduce your development cycle and give you a dramatic boost in your programming productivity.

"I'VE HEARD IT ALL BEFORE. WHAT MAKES SYCERO db DIFFERENT?"

Here are 11 powerful reasons why you should try SYCERO db :

1. SYCERO db has been built around Nantucket's Summer '87 Clipper compiler and makes use of all the advanced features available in the Clipper language (including overlays, function keys, memo fields, pop-ups, and more).

2. SYCERO db was written specifically for developers and designed to cater to all aspects of program development.

3. SYCERO db automatically generates common program types such as file maintenance, inquiry, menus, posting, and reports.

4. SYCERO's built-in <u>screen painter</u> allows you to include fields from up to 30 databases on each screen. SYCERO also provides full color, pop-up menus, screen overlays, and manual or automatic field sequencing.

5. SYCERO db treats each field on a screen or report as a separate subroutine and allows you to include up to 300 lines of dBASE, Clipper, or SYCERO code before and after each field is edited or displayed--giving you total control over every field in your application.

6. SYCERO db includes a powerful report generator that lets you "paint" report layouts with your cursor and add standard dBASE code to any portion of your report before the .PRG is generated.

7. SYCERO db generates fully structured and documented PRG files with labels on fields and subroutine calls. In addition, program definitions are automatically documented so all file, screen, report, and logic definitions can be printed. (This "auto-documentation" feature saves you countless hours, eliminating the need to document your systems by hand.)

8. SYCERO db automatically invokes the Clipper program overlays, generating all common code into a root program and all subroutines into internal or external overlays (.OVL). With SYCERO, a Clipper .EXE can run another Clipper .EXE with a 1K common area.

9. In addition to offering you all the standard Clipper and dBASE commands, SYCERO db provides 166 <u>additional</u> commands that dBASE doesn't have -- to greatly enhance your programming efficiency.

10. An enhanced version, SYCERO db NET, lets you create NETWORKING applications -- <u>automatically</u>. A prompt asks if your applications will be run on a local area network. Answer "Y," and SYCERO automatically adds record-locking code to the files in your program.

11. Existing dBASE and "C" subroutines can be compiled and linked to new programs created using SYCERO, and third-party libraries (such as Tom Rettig's) can also be incorporated into your SYCERO program definitions -- with no need to go in and "retrofit" any portion of the code!

SYCERO db IS THE ULTIMATE PRODUCTIVITY TOOL
FOR dBASE APPLICATIONS DEVELOPERS.

SYCERO db is easy to use and simple to learn. Within a few short days, you will be able to develop your applications in 1/2 to 1/4 the time it now takes you.

** If you are buried by an applications backlog, SYCERO db can help you quickly cut that backlog down to size.

** If you are a software entrepreneur, you can save <u>hundreds</u> of hours of development time -- time that can be better spent marketing your existing products or creating new ones.

** If you work as a DP consultant, now you can customize dBASE systems for your clients faster than ever before. This means more profit per project ... and more time to focus on the fun, creative aspects of systems design.

SPECIAL $200 DISCOUNT ON SYCERO db -- A TIME-LIMITED OFFER (FOR CLIPPER USERS ONLY).

SYCERO db has been previously advertised in the <u>Data Based Advisor</u> for $695. And thousands of people worldwide have paid that price (and more) for SYCERO db (and our rave reviews say they have found it worth every penny).

However, for a limited time only we are able to make this special offer: Order SYCERO db within the <u>next 30 days</u> and pay only $495 for the standard version or $695 for the SYCERO db NET networking version -- a <u>$200</u> savings off the regular price! THIS OFFER IS OPEN <u>ONLY</u> TO CLIPPER USERS WHO RECEIVE THIS MAILING. And only if you act within the next 10 days.

MAIL YOUR DISCOUNT CERTIFICATE. OR PHONE US <u>TODAY</u>. YOUR SATISFACTION IS GUARANTEED.

To order SYCERO db, just complete and mail the enclosed Discount Certificate with your check or money order (payable to "PC Publishing").

Or, for faster service, call us toll-free at 800-634-4555 with your credit card, 9am to 5pm, Pacific Standard Time. (In California, phone 213-556-3630.)

We'll send you SYCERO db to use for one full month. If, for any reason...or for no reason...you decide SYCERO db is not for you, simply return the diskettes and manual to us and we will refund your money in full -- no questions asked. <u>I can't think of a fairer way for you to try SYCERO db without risk or obligation of any kind</u>.

ENTER A NEW ERA OF PROGRAMMING PRODUCTIVITY WITH SYCERO db.

With SYCERO db, you can increase your personal productivity, slash development time and debugging cycles, and develop user-friendly, fast-running, high-quality dBASE applications in 1/2 to 1/4 the time it now takes you. So why not order today?

Send in your Certificate right now and take advantage of our special $200 discount. Remember, this is a time-limited offer, and once it expires, it may never be repeated again.

Sincerely,

Max Rambod

Max Rambod
PC Publishing, Inc.

P.S. And don't forget: SYCERO db comes with an UNCONDITIONAL 30-day money-back guarantee. If you don't want SYCERO db for any reason...or for no reason...just return it for a full money-back, no-quibble refund.

DEVELOP APPLICATIONS UP TO FOUR TIMES FASTER

Introducing SYCERO db™ — <u>the</u> application generator for Clipper™ and dBASE® users.

Only SYCERO db lets you:

► Create sophisticated dBASE applications in a fraction of the time. ► Incorporate your existing subroutines and program libraries into *new* applications — without "retrofitting" your code. ► Slash development and debugging time by 75 percent. ► Automate all aspects of program development — including program generation and compiling. ► Enhances your programming productivity by giving you Clipper, FoxBASE, and dBASE features.

SYCERO db™ is the comp
generator, allowing you to
in a fraction of the tin

Now you can develop sophisticated applications and systems in ½ to ¼ the time it currently takes you! SYCERO db is the powerful yet easy-to-use application generator that *automates* the tedious portions of dBASE application development, slashing development and debugging time and boosting your programming productivity as never before.

Unlike many other products, which only generate *one part* of a system, SYCERO db does it all:

► Builds screens, reports, menus, databases

► Generates file maintenance, inquiry, posting, report, and special free-format programs

► Generates and compiles programs (using Clipper or Fox-BASE) in a single simple step—and automates overlays for Clipper

► Automatically incorporates your existing libraries and subroutines into new applications without the need to "retrofit" the code

Up to 30 databases per program!

SYCERO's data dictionary lets you define an unlimited number of databases in a system —up to 30 databases per program. For each field, you simply enter a name, description, type, width, and decimels for numerics. SYCERO supports all dBASE field types. It also allows you to scroll and search *memo* fields through a window

from any screen, transforming a ho-hum dBASE feature into a tremendously useful and versatile addition to your applications.

What's more, SYCERO db permits *arrays* within a database for greater efficiency. Example: Instead of defining *three* fields for telephone number (business, home, and FAX), you can define *one* telephone number field as an array with three different elements, saving space on the screen and in memory. Plus, SYCERO db allows you to import existing DBF structures into system definitions for new suites of programs.

SYCERO db makes it easy to define up to 14 key indexes per database.

SYCERO db provides you with an easy-to-use screen that lets you define

SYCERO provides a screen for defining key indexes which is much easier to use than typing commands in response to dBASE dot prompts.

up to 14 key indexes per database. You just type in the key index in one column. Then, type the index construction right next to it. No more confusing commands typed in response to dot prompts!

SYCERO db allows three types of keys: simple (one field, eg CODE), composites (two or more fields, eg SUPPLIER+CODE), or expressions (eg PRICE*QTY). New "Softseek" feature for looking up records on a database gives you the record for the nearest match of the key used for the find, irrespective of the stem. (If the key is not found, you get the record number of the next key in ASCII sequence.)

Now you can incorporate your existing software libraries into new applications generated with SYCERO.

SYCERO db allows you to use dBASE commands, Clipper, C libraries, and SYCERO's own routines to accomplish 99.9% of all tasks you want your programs to perform. Only SYCERO gives you the flexibility to add subroutines (and even entire program libraries) that you already own to new applications. And, you can do so without having to go back and "retrofit" any code. While other application generators force you to start your development efforts literally "from scratch," SYCERO db *protects* your software development investment by allowing you to use your existing material over and over again.

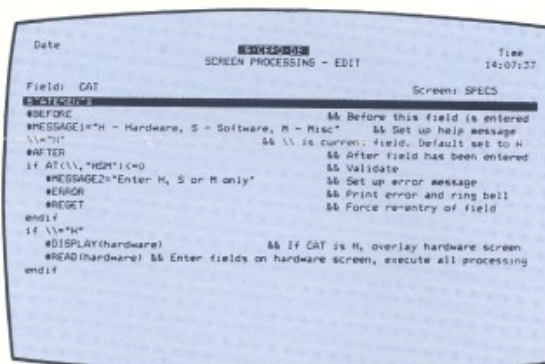### SYCERO simplifies the creation and processing of screens.

To define a screen, just type in field names, then move the cursor to paint lines, boxes, color areas. *Memory variables and fields from up to 30 databases* can be included on each screen, with up to 10 screens per program! Plus, screens can be called conditionally and overlayed on top of another, giving you a degree of flexibility that other screen development products cannot offer.

lete Clipper™ application
o develop complex systems
e required manually.

After your screens have been defined, you use SYCERO's *screen processing* capability to add validation, calculations, HELP messages, error messages, warnings — and to look at databases or override program logic. Unlike dBASE, SYCERO is a *field-based* development tool. Each field on a screen is treated separately.

Add up to 300 lines of code to *every field* for total control of all fields in your application

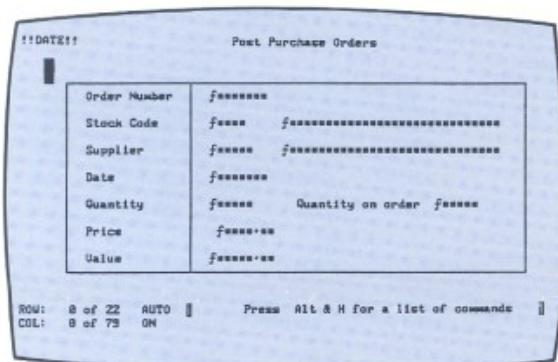SYCERO db allows you to add up to 300 lines of code

Unlike dBASE, SYCERO is field-based. Each field is treated separately, and up to 300 lines of code may be added to the SAY and GET for each field using dBASE command language, C, Clipper, FoxBASE, and SYCERO routines.

Screens are defined by moving the cursor to "paint" lines, boxes, and color areas.

(dBASE, SYCERO, Clipper, C, or FoxBASE) per field, giving you an extraordinary degree of flexibility and control over every field in your application.
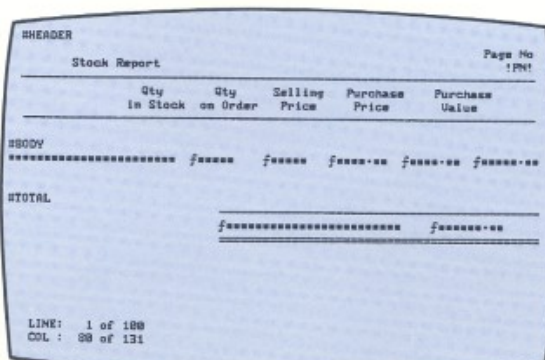
For example, if a customer code is entered halfway down a screen, you add code to that field to perform the following functions:

▶ Display a HELP message

▶ Overlay a window through which you can

scroll that customer's record from the customer database

A powerful report generator produces lists, forms, invoices, statements and any other report formats you need.

As with screens, you use the cursor to simply "paint" your report layout on the CRT.

Report loops, defined with a backslash, are used to look at secondary files.

SYCERO's powerful report generator supports automatic range checks, sort sequence selection, wild card matching, exception reporting, 40 totals per report, 10 levels of subtotals, and up to 10 secondary report loops per report.

Standard report formats include lists, forms, invoices, and statements. But, unlike other development tools, SYCERO db allows you to create reports that can contain fields from up to *30 databases* … and, you can add up to *300 lines* of dBASE code per field to further tailor the report before the .PRG is generated. You can build even more complex reports using a special batch program.

Build powerful and sophisticated menu-driven applications.

SYCERO offers you up to 21 options per menu screen with up to 10 levels of submenu per menu program. Menus can call programs from the same compiled .EXE file as well as other external .EXE programs. (With SYCERO, you can unload one Clipper program and load another on a 1K common area.)

SYCERO automatically generates common program types including file maintenance, inquiry, menu posting, and reports.

Once you've defined the elements of your application, you select the type of programs you wish to generate: file maintenance, inquiry, posting, report, menu, or batch (for specialized applications). The "program definition" feature then assembles your databases, screens, reports, menus, and logic into the type (or types) of programs you

selected. SYCERO command language and dBASE language can be used to alter and extend the basic SYCERO program types.


```
Date              SYCERO-DB [CLIPPER]           Time
11/05/88                                        17:31:37
                  PROGRAM DEFINITION


   Program Name        :    STOCKZ
      ::    Type        :   ▶0◀
      ::    Description :

   System Name         :
      ::    Description :

   Next Program         :


1=Maintenance  2=Enquiry  3=Posting  4=Report  5=Menu  6=Batch
              Program not previously defined
```

SYCERO can generate most common program types quickly and easily.

Fully compatible with both Clipper and FoxBASE

When you've finished defining your program elements, you simply invoke SYCERO's *program generation* command, which takes your program definitions and turns them into well-written, fully structured dBASE source code.

Within this same step, SYCERO can automatically invoke Clipper or FoxBASE (without you having to do it manually) to compile the program into stand-alone object code as an executable program. You can copy the finished program to disk, and you don't need dBASE, SYCERO, or Clipper to run it. Nor do you pay us any license agreement, royalty, or any other fee. Applications you develop with SYCERO are owned by you exclusively, free and clear.


```
Date              SYCERO-DB [CLIPPER]
07/05/88
                  PROGRAM GENERATION


   Program    STOCKMEN   Stock Control Main menu
   Type       Menu
   System     STOCKCON   stock control system

   Generate   Y          Networked      Y
   Compile    Y          All Modules    S
   Link      ▶Y◀         Linker         PLINK86

   Switches
   Objects    ERRORSYS
   Libraries  Clipper,Clipgen,Extend

   Phase
   Code Size


Enter N if a .EXE program is not to be produced, otherwise enter Y
           To accept displayed entries use ALT + J
```

SYCERO automatically calls Clipper to compile, link, and overlay. Enhanced "SYCERO db NET" version automatically generates networking applications with record-locking.

What's more, SYCERO used with Clipper can also compile a *suite* of programs, overlaying up to 26 separate programs into one .EXE file. Overlays allow programs to share areas of common code, reducing storage requirements for your group of applications. Overlays may be internal to the .EXE or external .OVL's.

SYCERO db at a glance ...

► Fully compatible with dBASE commands, Clipper, and FoxBASE (but you do not need dBASE to use SYCERO)

► Makes use of all the advanced features of these programs, but also provides 166 *additional* commands to enhance your productivity

► Specifically written for the dBASE programmer and designed to handle all aspects of program development from start to finish. (If you find something SYCERO db *can't* do, you can always add it to your program using dBASE code.)

► Generates fully documented and structured dBASE source code automatically, which in turn gives you a shorter debugging cycle and a more reliable end-product.

► Does not require you to alter code to change your program or to incorporate existing libraries into new applications (although you may do so, if you wish)

► Compiles up to 26 files into a single .EXE file with Clipper— by automatically compiling one root program and then including the other programs as overlays.

► All programs generated by SYCERO db share a common user interface —which shortens the learning curve for your users.

► SYCERO programs compiled with Clipper or foxBASE run up to 10 times faster than standard dBASE programs and can be created in ½ to ¼ the time!

Hardware/software requirements

SYCERO db runs (with Clipper or FoxBASE) on the IBM XT, AT, Personal System/2, and compatibles. It requires a minimum of 512K RAM, 10MB hard disk drive, and PC DOS or MS DOS 3.1 or higher, and is fully compatible with all versions of dBASE, Clipper, and FoxBASE.

Two SYCEROs to choose from:

The standard version of SYCERO db contains all the features and capabilities listed in this brochure and is for developers who want to generate single-user applications only.

The networking version, SYCERO db NET, contains all the features and capabilities listed in this brochure and can generate both single-user *and* networking applications—automatically. Highly recommended for developers designing applications for end-users working in LAN environments.

For more information and a free demo diskette, call or write us today.

PC PUBLISHING

PC Publishing, Inc.
1801 Avenue of the Stars
Los Angeles, CA 90067
Phone: (213) 556-3630