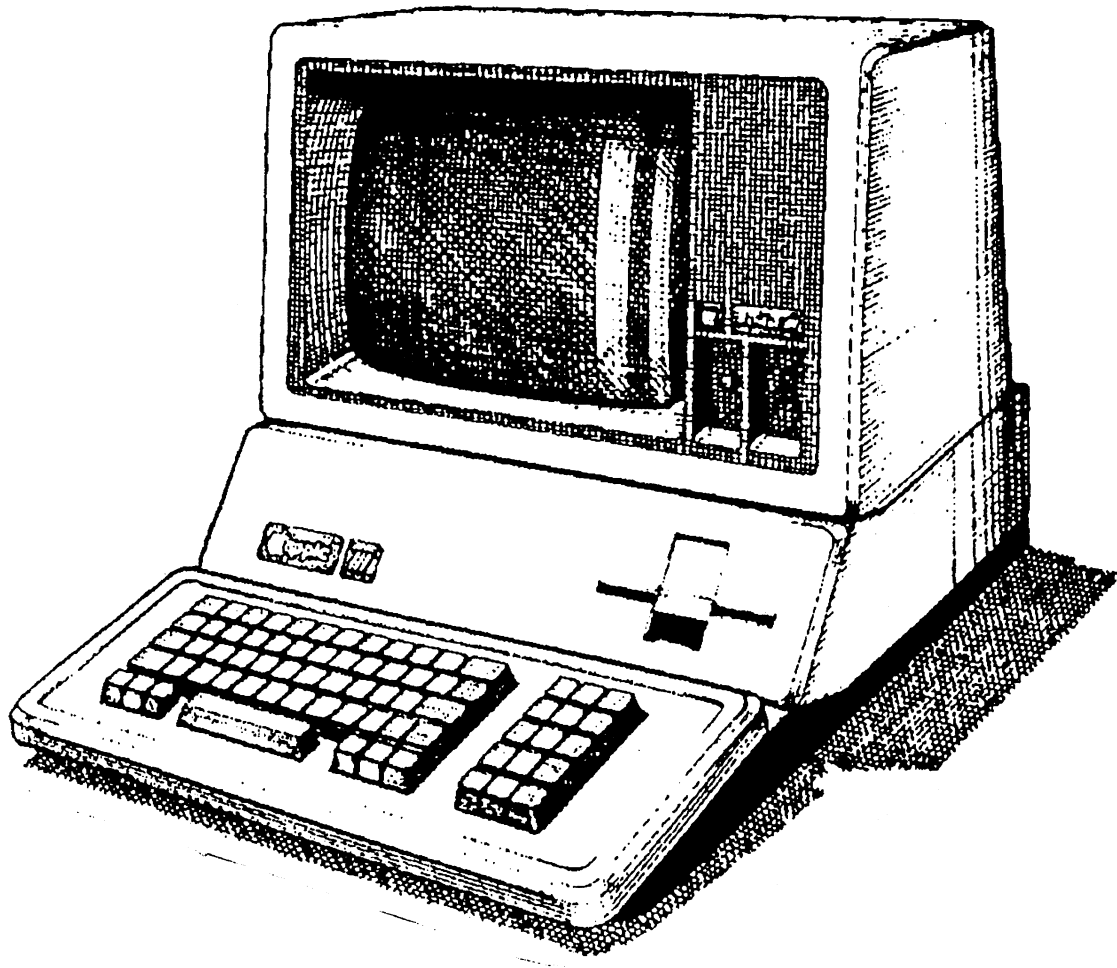




# Apple /// Computer Information



| DOCUMENT NAME               |               | #  |
|-----------------------------|---------------|----|
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**Ex Libris David T. Craig**

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# VisiCalc® III

The Electronic Worksheet

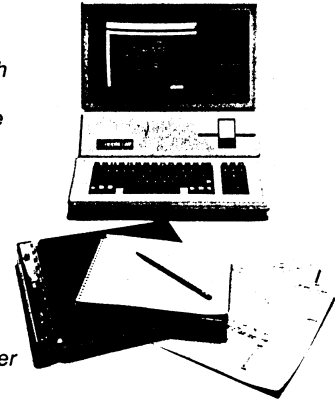
## Applications Software

MAR 82

*VisiCalc III is a powerful new version of the award-winning VisiCalc software, designed especially for use with the Apple III Computer System. It virtually eliminates calculator, paper, and pencil in developing plans and analyzing results. Any problem you might wish to tackle using rows and columns can be solved quickly—and accurately—with VisiCalc III. You can create your own models or use an existing one from the VisiCalc III library of "tool kits." General purpose business, real estate, and financial models are already available, with more planned for the future.*

*Managers can use VisiCalc III to plan budgets, create forecasts, and develop pricing strategies. Financial professionals can prepare statements, compute ratios, and modify projections. Scientists and engineers can study causes, effects, and trade-offs—all in seconds, instead of hours or days.*

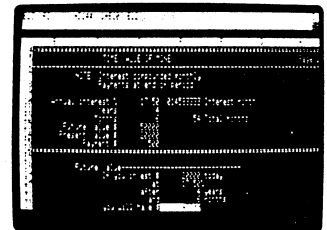
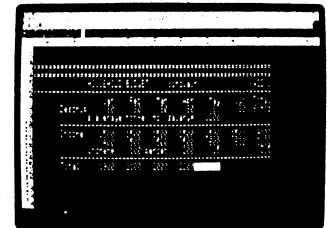
*One of the most innovative and versatile planning programs ever designed, VisiCalc III is a powerful productivity tool for every manager and professional.*



### Benefits

#### VisiCalc III...

- increases personal productivity, because of its flexibility, ease of use, convenient editing capability and high-speed computation...
- can be put to work immediately, because it allows you to write and use complex "programs" without learning a programming language...
- speeds data manipulation through an extensive, built-in library of financial, statistical, and scientific functions, including search and logic...
- expands the effective workspace of your monitor screen, because the Apple III's four cursor control keys allow rapid display of any portion of a large spread sheet...
- simplifies data checking and comparison through its "split-screen" capability, which allows you to display, move, and modify widely separated entries side-by-side...
- eliminates trial-and-error columnar formatting of documents, because its display—with 80 upper- and lower-case characters per line—prints exactly as it appears on the screen...
- increases your data handling capabilities, because the Apple III's large, 65K-byte user memory space allows you to construct and work with very large models...
- enhances the appearance of your reports, because you can title rows and columns—and vary the numeric and graphic format—to give you the look you want.



### VisiCalc III— A Closer Look

To use VisiCalc III, simply insert the program diskette into the Apple III disk drive and "boot" the system. On your monitor screen you'll see an electronic worksheet—resembling a columnar pad—of up to 63 columns and 254 rows. At the juncture of any column and row, you can type in words, numbers, or formulas.

Your monitor screen is a "window" which allows you to view a section of the entire VisiCalc III worksheet. The window can be moved (or "scrolled") in all four directions for viewing every section. Or you can split the screen into two "windows," so that you can compare pieces of data that are in different places on your worksheet. You can even synchronize "windows" so that they move together, always keeping particular lines or columns of data next to one another.

VisiCalc III's cursor is a white box one column wide (you set the width you need) and one row deep. When "filling in" the worksheet, the new values and words you enter are displayed within this box as you type them.

™VisiCalc is a registered trademark of Visicorp

By using either the Apple III's arrow keys, or the "GO TO" capability of VisiCalc III, you can quickly move the cell cursor to any area of the worksheet. Visible at any given time are 20 rows of data; the number of columns you can see depends on the column width you've designated. Typically, you will see at least eight columns—the same number that would fit on an 8½-inch sheet of paper.

Entering and changing values and words on the worksheet are straightforward procedures. To enter data, first position the box cursor to the place where you want the data to appear. Then simply enter the new numbers or words. To make any editing changes requires a simple deletion of the entry and retyping of correct data.

Titles and column headings can be written anywhere on the worksheet. When placed either along the top or down the left-hand side you can "lock" them into place. Once locked, the title or column heading will "follow" and identify the data associated with it, even when you move to the furthest row or column position. And you can easily unlock titles whenever you want.

When you enter a formula, it will be displayed on the top row of the screen. If you change it at some point, the new values that result will be calculated and displayed instantly on the worksheet.

Formulas can be as simple or as complex as you like. For instance, VisiCalc III can add, subtract, multiply, or divide values located anywhere on the screen—even those values derived by other formulas. You can also build powerful formulas using Boolean-type equations. A built-in function library conveniently provides many financial, scientific, statistical, and mathematical functions—including search and logic, net present value, average value and transcendental functions. The result of any calculation is displayed instantly on your screen.

In addition, a replication capability allows you to repeat a formula automatically many times, with different variables substituted. For example, the formula you use to compute January's profit can be replicated to compute monthly profits from February through December as well. VisiCalc III's replication feature automatically substitutes the appropriate data elements for each month.

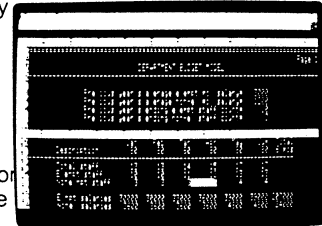
Because VisiCalc III performs complex calculations instantly, you can play "What if...?" as often as you like to solve thousands of different problems. For example, imagine that you've created a business forecast model that takes your gross profit, cost, and net income into account. Sometime later, you begin to wonder what the impact would be if your vendors decided to raise finance charges by 2 percent. With a few keystrokes, you can update your forecast based on this new assumption, and VisiCalc III will perform the calculations and display the new results instantly for your review.

Another useful feature of VisiCalc III is its "Insert and Delete" editing capability. Using Insert and Delete you can add or delete entire rows or columns in your worksheet model. For instance, suppose you suddenly see that the forecast or plan you're working on is more complex than had been originally thought, and you wish to add more elements to your model. VisiCalc III's Insert and Delete feature allows you to add them painlessly, without having to redesign the entire worksheet. Similarly, you can move entire rows or columns to rearrange pieces of data in your model. VisiCalc III automatically keeps all formulas updated, as you move pieces of your worksheet around.

VisiCalc III lets you quickly save entire worksheets as files on diskettes—including the data, formats, and location on the worksheet where the cursor was last positioned. VisiCalc III data can also be saved by itself, without the worksheet, to be graphed or plotted by other Apple III programs.

Any printer that works with the Apple III can be used to produce a hard copy of your VisiCalc III worksheet. You can print entire worksheets, or—by specifying column letters and row numbers—only selected parts of the data.

If your job frequently involves organizing and manipulating data to prepare budgets, schedules, forecasts, or tables of information, Apple's VisiCalc III can significantly increase your productivity, and improve the overall quality of your planning.



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**VisiCalc III**

**System Configuration**

To use VisiCalc III, you will need:

- any Apple III;
- Monitor III (or any suitable video display device);
- a compatible printer\* and printer interface\*.

\*Note: Apple III Computer Systems and VisiCalc III work with several printers and appropriate interfaces, including those specified below:

- Apple Silentype Printer using Apple III built-in Silentype interface;
- Cume Sprint 5 (Distributed Product D2M0060) using Apple III built-in RS-232 interface.

**Technical Specifications**

**Format:**

16-sector diskettes.

**Worksheet size:**

63 columns by 254 rows.

**Available Worksheet Memory:**

Approximately 65K bytes available storage on 128K-byte Apple III.

**Commands:**

- |                             |                         |
|-----------------------------|-------------------------|
| Blank Entry                 | Print Portion of Screen |
| Clear Sheet                 | Replicate Formula       |
| Delete Row or Column        | Load or Save Worksheet  |
| Edit Entry Contents         | Initialize Disk         |
| Format an Entry             | Delete Saved Worksheet  |
| Set Global Format or Option | Create New Subdirectory |
| Insert Row or Column        | Set Title Area          |
| Move Row or Column          | Split Screen            |

**Functions:**

- |                             |                              |
|-----------------------------|------------------------------|
| Absolute Value              | Functions without Arguments: |
| Average                     | Error                        |
| Number of Non-blank Entries | True                         |
| Natural Exponent            | False                        |
| Integer                     | NA                           |
| Natural Logarithm           | PI                           |
| Base 10 Logarithm           | Logic:                       |
| Maximum Value               | AND                          |
| Minimum Value               | IF                           |
| Net Present Value           | NOT                          |
| Square Root                 | OR                           |
| Sum of Values               | ISERROR                      |
| Trigonometric:              | ISNA                         |
| Arccosine                   | Logical Operators:           |
| Arcsine                     | <                            |
| Arctangent                  | >                            |
| Cosine                      | =                            |
| Sine Tangent                | <=                           |
| Search:                     | >=                           |
| Choose                      | <>                           |
| Lookup                      |                              |

**The VisiCalc III Package Order No. A3D0002**

With your VisiCalc III order, you will receive:

- two VisiCalc III program diskettes;
- blank diskette;
- VisiCalc III User's Manual;
- VisiCalc III Reference Card;
- VisiCalc Sampler Diskette (prewritten VisiCalc worksheets to help you get started);
- VisiCalc III Sampler User's Guide.