

icon

OPTIONS

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LISA DISKS

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SAVE

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By the Editor

There is a fierce competition today in the computer market place, a far cry from just a few years ago, and even more so among computer magazines. What we hope to accomplish with **ICON** is to provide a forum to fit the needs of **LISA** owners. We hope this first issue will start to accomplish that goal.

To be included in future issues are reviews of new software and hardware. **ICON** is looking for material to publish in future issues. It would be helpful if submittals could be contributed using **Lisawrite** and sent on a **LISA** diskette. The diskette will be returned within a few days and will include some of the templates talked about in the **ALA** Membership form.

In this first issue are some **TIPS** about operating some of the tools, a column about hidden facts - **DID YOU KNOW?** (by the way if you know of any please let us know), new product information, and other resources on **LISA** materials.

Now available thru the ALA -

The **ALA** has available **LISA** "fleware" diskettes to its members. They can be purchased by sending \$9.00 for each disk ordered. These are blank, no label disks made for the **LISA** by 3M. If you are ordering in California please include 6.5% sales tax on the order. The above price includes shipping. Most dealers sell a box of 10 disks for \$120.00 or \$12.00 each. Send your check or money order, US funds only, to the **ALA** PO Box with your name, address and quantity.

VOLUME ONE

ICON

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ICON is printed and provided for the membership of ALA and copies may be obtained by becoming a member of ALA. At this time ICON is published periodically.

Apple Lisa Association is a not-for profit organization formed in the State of California. Please write if you wish information about
ALA or ICON:

P.O. BOX 634
SANTA CLARA, CA 95052

TIPS

The following tips were obtained from Apple Computer, Inc. and compiled by the LISA Phone Support group. They are listed under each heading approximately in the order of their importance.

General

VERY IMPORTANT: If you have to press Reset, pull the plug, or otherwise restart the system abnormally (i.e. without pressing the On-Off button) always use the Office System 1 diskette to repair the disks that were being used. This procedure is described starting on page D-53 in the Owner's Guide. If you don't do this before using the disks again, you could suffer the fate of lost data and vanishing blocks.

If you have a document that is damaged or a tool failure or any other system difficulties, follow the appropriate directions in Appendix 6 in the Owner's Guide.

If you move a parallel card from slot 1 to slot 2, be sure to set Preferences to No Device for the card before you move it. Otherwise, the LISA will try to print to the printer in the empty slot and give you a technical difficulties message with an error number 1222. In fact, we have found that the majority of technical difficulties messages encountered while trying to print are caused by Preferences being set for a printer that isn't really there. Check the Preferences settings and the actual connections before calling for help.

When the LISA makes the musical noise (the manual calls it "whistling"), it is telling you to choose **Monitor the Printer** from the File/Print menu. This means that the printer needs something (paper, ribbon, to be turned on, etc.) if you are printing while You Work.

If a system hangs completely and the mouse pointer or hourglass doesn't move, most likely it's got a bad memory board.

A LISA that restarts itself unexpectedly may have a bad power supply.

If you have a *LISA* that turns itself on, Don't Panic. It doesn't hurt anything. If you want it not to do this, have the power supply exchanged.

When you have a dialog box with buttons, one of the choices is usually indicated with a heavy outline. This choice is the default and will be used if you click anywhere outside the dialog box, such as in the document or on the menu bar. This can be especially useful after choosing Format for Printer; if you want to print right away, you don't have to click OK, just go right to the File/Print menu and choose Print.

The tool master diskettes are not copy protected; they can always be used on any *LISA*. However, once a copy of a tool has been made, that copy and all other copies made from that master will only run on that *LISA*. Make sure that any copies of the tools are made from the correct master disk for that *LISA*.

When trying to print a drawing using Landscape and you wish it to fill the sheet of paper - Normal resolution will result in tiny characters - use High resolution.

If you have lost a tool, a stationary pad, or an examples folder you don't need to reinstall the Office System to regain those documents. All you need to do is to put in the disk for the tool or document you are missing, open it, select the appropriate document and make a duplicate (page D-11 in the Owner's Guide).

If you've lost the empty folders pad, every newly initialized diskette has one. Follow the directions for duplication on page D-11.

LisaCalc

You can enter a cell's coordinate in a formula without typing it. Just point at the cell, press <Option>, and click the mouse button at the same time.

When you Cut, cells that refer to the Cut cells will be set in Error. When you Paste, they will be fixed. If you try to do any editing before Pasting the cells into a new location, you will get a friendly warning.

If you are cutting or copying your spreadsheet to paste it into another document, DO NOT Select All of Document. The desktop is unable to paste this type of data into any document, including the one it came from.

To select a range of cells that won't fit on the screen (such as A1:A100), click on the Cells line (or press <Apple>-G) and type in the range.

Why is there no "R" or "C" choice for calculation in LisaCalc, like VisiCalc has? LisaCalc will keep recalculating a sheet until all forward references are resolved, so choosing row or column recalculation is not necessary. Note that if you have circular references, recalculation must be stopped with <Apple>-<period>.

LisaDraw

Understand the difference between shading white and "none". If you have text which is obscuring a nearby diagram, try shading the text "none". Also, if you are having trouble selecting an object, especially a polygon, it is probably shaded "none". Shading in white will make it much easier to select. Also be aware that groups of objects (line, for example) can not be shaded.

If you select an object and type, the text will be centered in the object.

Pasted information is centered around the most recent click on the document.

While printing a document in Hi-res you may encounter an error 3001 or 3007. If either of these is encountered it is an indication that you have backspaced in a piece of text in your document. This action can sometimes cause the text to be changed into the system font which cannot be printed by LisaDraw. To fix this, find the text that you did the backspace in, cut or clear it, and retype it.

LisaGraph

If you have data in LisaCalc that is oriented horizontally and you want to paste it vertically into LisaGraph, click in the row headers; Cut; click in column A's header; and Paste. The data will be reoriented. Note: you can't do this in LisaCalc.

Be aware that if you want dollar amounts on the X or Y axis, LisaGraph will always round the numbers up to 1 decimal place for any increment you choose except .05 and .1.

LisaList

Despite rumors to the contrary, LisaList ZIP code fields can be expanded from 5 to 9 digits at any time.

When try to enter a particular data format look at the appendix for the LisaList manual first. It is fairly complete and will answer most of the questions.



LisasProject

Watch out for this problem: typing a resource name, then typing the task's length without pressing <Tab>.

Beware of drawing lines sloppily; if you draw too far and two boxes are close, you can connect the wrong boxes and not notice. If you think this has happened, click on the line and it will become completely visible.

On the Resource chart, the resources are listed in the order they were entered.

If the Late Start is earlier than the early start for the project, then somewhere along the line there have been some Scheduled Dates set that have affected the rescheduling of the tasks in this manner.

Lisawrite

Information pasted from LisaCalc has tab settings for each column. These tabs correspond to positions on the metric ruler. The type of tab set depends on the formatting for that particular column in LisaCalc. Get familiar with tabs. After you've worked with them a while they can be very useful.

To select a page mark that you want to get rid of, put it on line by itself, click on it three times and backspace or cut.

If you press SHIFT/OPTION and 0 on the key pad you can dim your screen. When this is done the mouse will not turn it back on - you must press any key.

If you are using the Apple Dox Matrix printer, and it is attached to the LISA via the parallel card in the top plug only, you can press SHIFT/OPTION and 4 on the key pad and you will print whats on the screen.

Daisy Wheel Printers are being shipped set for 1200 baud. This must be changed to 9600 baud before you can print. The recommended switch settings are: SW1 - all are on except 4 & 5; SW2 - all are off except 5 & 8.

ICON STORAGE

The format used for ICON, 7 By 9 inches with three hole punch, was done so that you can store your copies in the extra binder supplied with your LISA. It is called the Accessory Binder and has no name on the spine. The Apple part number is 620-6151 and we hope to be able to supply them the members in the future.

AVAILABLE STORAGE

LisaCalc	500kbytes
LisaLisa	600 kbytes - disk
	4.0 Mbytes - Profile
Lisawrite	300 pages - disk
	1500 pages - Profile
LisaProject	500 kbytes - (32 sq ft)
	1000 tasks
LisaDraw	500 kbytes
LisaGraph	2000 data points in any combination

PRODUCTS

BASIC-Plus

Programming Language

From Apple Computer, Inc.

by Allen Clara

The following are some of the highlights of BASIC-Plus that will be released by Apple Computer, Inc. in the near future (Note: as of this time we don't know when it will be available for purchase by the general public).

BASIC-Plus is based on DEC's BASIC-Plus language and is expanded in several areas. It is also based on a superset of Dartmouth BASIC and is simple enough for beginners and powerful enough for developing sophisticated business and scientific applications. In fact applications written in most other microcomputer BASICs can be modified to run on the LISA.

It allows all available memory to be used, thus supporting the development of large programs. The language can contain variable names up to 30 significant characters and uses the IEEE floating point arithmetic that provides accuracy in double-precision calculations up to 56 digits in strings and 15 decimal digits in floating point.

Some of the programming features include the common IF THEN with the extended ELSE, PRINT USING is standard, ON GOTO, ON GOSUB, ON ERROR, WHILE NEXT, UNTIL NEXT. Mathematical functions include: Transcendental (sine, cosine, etc.), Logarithms and exponents, and Matrices. Multivariable and multiline functions, recursive functions, virtual arrays, kmatrix operations, and versatile statements support complex applications.

BASIC-Plus is an interpretive language and therefore easy to debug. STOP statements can be used when writing programs to stop the running and let the programmer examine and modify the variable values. Then continue program execution from the point it left off.

IMPOSSIBLE?

By Jim Hoyt

Need to put WHITE letters on a BLACK background? They say it can't be done. Well just do the following:

(Note: this works fine with 1/4" and 1/3" letters, in bold, but the ribbon smears on the smaller type styles - this must be done using LisaDraw only).

Type your line:

Make a Duplicate:

IMPOSSIBLE?

Move them apart and change one to HOLLOW and the other to SHADOW type style:

IMPOSSIBLE?

IMPOSSIBLE?

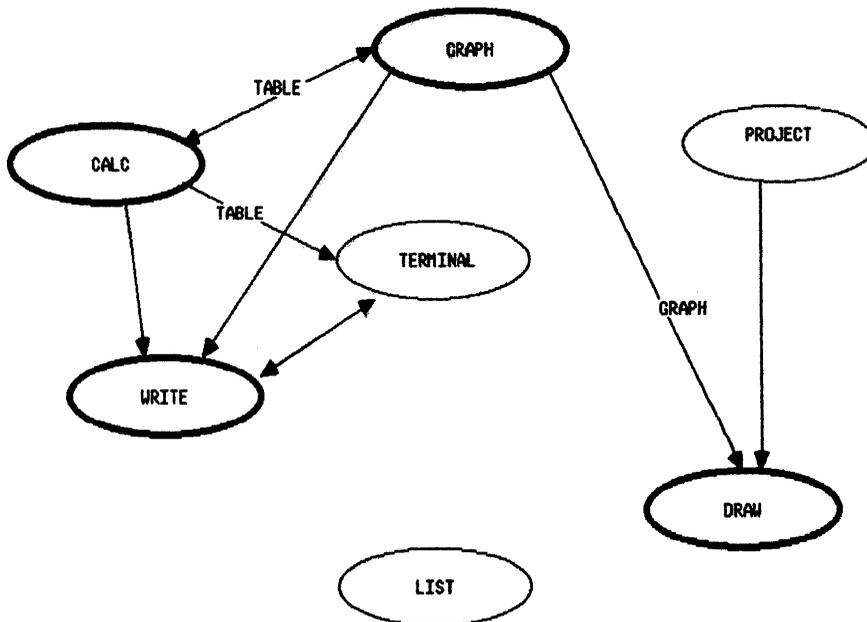
The next step is to put them over each other (you can't see this because they hide each other). Then go to the Shades Menu and select black. Click the mouse and you will have WHITE letters on BLACK.

IMPOSSIBLE?

RUMORS

Rumor has it that the number one priority in the POS Division at Apple is make all the tools supplied with *LISA* Interactive. In other words so that any document done on one tool can be put into another. An example would be to take a graph done on *LisaGraph* and be able to copy it onto *Lisawrite*. Some tools can interact now but not all (as far as we know the following table works):

Inter-Application



NOTE: High-lited ellipses can Cut & Paste between other applications of the same type and themselves.

RESOURCES

The following list of addresses are possible resource centers for information about *LISA* If you know of any others please inform ALA and we will publish them in the next issue.

SIGNAL is a publication for *LISA* users and developers. It is published by Semaphore Corporation and can be obtained by sending in the information form on the next page.

The **International Apple Core** has a Special Interest Group (SIG) for *LISA* owners. For more information contact *LISA* SIG, c/o Gene Pope, 3901 So. Elkhart St., Aurora, CO 80014.

MEMBERSHIP APPLICATION

Please accept this application for my membership. Enclosed is my check or money order for \$40.00 (US) made payable to AppleLisa Association.

Please bill by VISA ___ or MasterCard ___. Interback No. _____

Card No. _____

Expiration Date ___/___/___

Signature _____

Name _____

Title _____

Company _____

Address _____

City _____

State _____ Zip _____

Country _____ Age _____

Payment must accompany application and must be in US funds drawn on US

bank. Mail to AppleLisa Assolcation
P.O. Box 634, Santa Clara, Ca 95050

Serial No. _____

FREE! SUBSCRIPTION TO SIGNAL

Name _____

Company _____

Address _____

City _____ State/Province _____

Country _____ ZIP/Mail Code _____

Telephone _____

Lisa serial number _____

- I am a Lisa end user.
- I am a Lisa software developer.
- I am a Lisa hardware developer.
- I am a Lisa dealer.
- I am a Lisa OEM.

- I am a Lisa user and my mailing address is in the USA. Please send me Signal free of charge. Date _____
Signature _____

- I am not a Lisa user or my mailing address is not in the USA, but please send me the next ten issues of Signal. Enclosed is:

- \$10 US (inside North America)
- \$20 US (outside North America)

Return this form and any payment to:
Signal, 207 Granada Drive, Aptos, CA 95003
Requests for free subscriptions MUST answer all questions above.

NEW PRICE COMPARISON

	IBM XT		LISA	
Processor	8088	Inc	68000	Inc
Base-memory	128K	Inc	1024K	Inc
Display	720x350	Extra	720x364	Inc
Mouse	NA		Yes	Inc
Floppy Disks	1-320K	Inc	2-860K	Inc
Hard Disk	10,000K	Inc	5,000K	Inc
RS-232 ports	1	Inc	2	Inc
Parallel ports	0		1	Inc
Clock	No	Extra	Yes	Inc

If you start adding software we get the into the problem as to what is equal to the LISA type software. With the new prices all 6 programs, (Write, Draw, Calc, Graph, List, Project), can be purchased for \$1200. The same type of programs for the IBM would cost:

Word Star	\$495	LisaWrite
Lotus 1-2-3	495	LisaCalc
VisaSchedule	300	LisaProject
PFS File/Report	280	LisaList
Bus/Graphics	250	LisaGraph
NA		LisaDraw
	<u>\$1820</u>	

Now add the fact that a complete LISA, that is software, hardware, and a dot matrix printer is now only \$8400 compared to the IBM at \$9229 without a printer. If you wish a printer that is the same type it would cost \$695 plus \$55 for a cable.

Additions needed for XT to bring it close to LISA

Display	\$680	
Extra Drive	529	
Extra Memory	330	(For 128K more internal)
Extra Memory	875	(For additional 384K, parallel & RS232, and clock on one card)

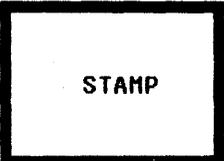
Base price of	\$4995	\$6995
Add Additions	2414	
	<u>\$7409</u>	

The above total on the IBM brings its memory only to 640K, but it does give a 10 Meg Hard Disk. This is somewhat offset by the extra 1080K available in the disk drives on the LISA. All in all, except for the mouse, the hardware can be brought close with very little difference in total price. The LISA is \$400 less.



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TO:

ADDRESS CORRECTION REQUESTED