



**BLS Enterprises**  
2908 West Flynn Lane, Phoenix AZ, 85017

**DOCUMENTATION FOR BIO**  
**A BLS ENTERPRISES PRODUCT RELEASE**

Document Draft Version 1.02  
Saturday, May 25, 1991



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## **YOUR STANDARD SHAREWARE PLEA AND DISCLAIMER**

### Shareware Plea

This package took a few months to write, and was a great learning experience for me, but much blood, sweat and tears went into the writing. I could have kept it to myself, but I chose to release it as shareware. I realize that many (if not most) people will find such an application worthless, but some of you doubtless will not.

If you, as an individual, find this package worthwhile, I would like to request that you send at least \$5.00 (in US dollar instruments) to me at the address shown in the "About,BIO©" and "Title Screen" windows. Also, please let me know what version you are using (available on the title screen, and in the get-info window) If you really can't afford the money, I would at least like to get a postcard from you, as I would be interested in seeing where my program has traveled.

All persons, including operators of bulletin boards or file stores/servers may keep copies of this package, providing all documentation accompanies it, for free, so long as copies are maintained solely for purposes of distribution. No specific fee for access to this package alone is permitted, but it may be made available by pay services at their discretion...once again: providing all documentation accompanies it.

Macintosh user groups and "shareware distribution houses" may distribute this software via telecommunications facilities only! Specific arrangements must be made with me, if such groups plan to sell this package on any physical media, regardless of whether they make money on such distribution or not. We can work something out in any case (either a percentage of net sales, club licensing, or other remuneration as appropriate).

Backup copies may be made under previously stated conditions as needed.



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Those who register (with cash) will receive two things:

1. A disk with the latest version of BIO on it, if you are not already running the latest version, and
2. First consideration in the fixing of any bugs you may find.

All correspondence must be via the mails, as I can not release my phone number at this time.

Anyone wanting source code should send \$50.00 (US). After all, if you can't write something like this yourself, I have market value! Anyone



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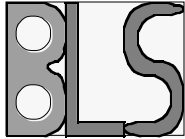
purchasing source from me will receive limited technical support as well. A specific license will accompany the source. Advance copies of the license may be obtained for \$1.00 by writing and asking for it.

### Disclaimer:

BLS Enterprises, and Bert L. Summer will assume absolutely no responsibility for any damage to persons or property resulting directly or indirectly from the use of this software. Nor does BLS Enterprises, or Bert L. Summer offer any warranty, expressed or implied of the fitness of this software for any specific use. Every possible effort has gone into making this product reliable and safe to use, but it is offered "as is." Take it or leave it at your own risk.

The quality of the media you receive this software on is beyond my control and issues as to its quality should be taken up with the manufacturer of the media in question. If the media you received this software on was shipped directly from me, I will replace the disk free of charge...ONCE.

That being said...let's get on with it!



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## **ABOUT BLS ENTERPRISES & THIS PROGRAM**

This application has been developed by BLS Enterprises (Bert L. Summer, Owner and Developer) as an exercise in learning to program in C on the Macintosh. This section will provide a brief overview of what BLS Enterprises is and does, as well as providing a brief overview of the program.

### **BLS ENTERPRISES:**

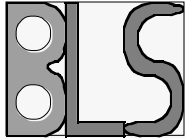
I am a 31 year old single male (single women may apply!). BLS Enterprises is simply my business name. I (Bert L. Summer (BLS)) started using this name in 1988 when I started doing some consulting for an employer here in Phoenix. The name stuck, and today I use it on my business stationary and cards.

I still do a very little consulting on the side, with DOS and Unix™ based systems, as well as Atari ST and Commodore, but I hope to be specializing in Macintosh in the future. In the year or so I have been using Macintosh, and the 4 months I have been dabbling in C on the Macintosh, I have learned a lot, but there is much more to learn.

I have an Associate Of Science Degree in Computer Science from the Community College Of Allegheny County (in Pittsburgh), 1983, and am currently working on my Bachelor Of Science in Computer Information Systems at Arizona State University, in Tempe (and Phoenix), Arizona. I am working my way through college with Bull HN, Worldwide Information Systems, here in Phoenix, as an intern Unix™/C programming engineer (enough drum beating...résumé available on request!).

### **PROGRAM OVERVIEW:**

BIO is, in short, a biorhythm calculator and plotting utility. It is completely



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multifinder compatible and I have used it over an Appleshare™ network (although there are no specific, internal provisions for network use!).

I would like to thank the programmer who wrote the biorhythm program I'd found which inspired me to create this, but s/he didn't put his/her name on his/her product, so I don't know who s/he is! I would also like to thank My friends, Symantec, and Apple Computer Corporation for various amounts of technical support, system borrowing, encouraging words, and great products! Grací!



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My alpha-testing was, of necessity, short, but I have run this application without problem on a Macintosh IIcx, Macintosh SE/30, Macintosh Classic (developed on the Classic as well), Macintosh SE (using Radius monochrome monitor), and a Macintosh Plus (all under system 6.0.x). I can't guarantee that it will run on your system (configurations differ almost as much as snowflakes!), but I feel that it probably will.

Please note, that I have tested under system 7.0 only briefly. There doesn't seem to be a problem under System 7.0, except that the Apple menu seems to be improperly handled, in that I can't find the 'da' list.

Beta-testing revealed a bug in the 'show current data' routine. Specifically, some Macs will lock up when trying to close this box. I have only seen this on the Mac IIcx, and the same individual program did not do so on other machines. As of this writing, this problem is still unsolved.

I would suggest the standard first-run precautions be followed. Those being: 1. Run from a copy of the program, not your original. 2. Make sure work in progress in any other open application is saved (preferably closed), to prevent any possible loss of data.





## **INSTRUCTIONS**

I will cover the menu options and basic operational instructions for this application in this section.

### **BASIC INSTRUCTIONS**

Launch BIO by double clicking it, highlighting it and choosing open from the finder's file menu, or from other applications that launch things. After the program loads, a title box will appear. Click OK, or press return or enter to get rid of it.

The next dialog box that appears is asking you to put data in the program. By default, the system will always have current system time for today's date, and my birthday for the birth date. In both cases, month and day may be one or two digits long, but the year must be four digits. For the cost of a disk and postage, I will make your birthday as the default. In fact, if you register and specifically ask, I will send your "latest" copy out with your birthday as the default. Click "OK" or press return to accept what is showing, or click cancel to leave the values unchanged.

At this point the program goes into idle. All options are selected from the menus, or can be activated by the command key (⌘) equivalents shown on the menus. All windows (except the data and title windows described above) are closed by any key-press or by clicking anywhere in the window shown.

### **MENU OPTIONS**

Apple Menu:

- |             |  |
|-------------|--|
| About BIO©: | Shows credits, a brief copyright notice, and a fairly standard shareware pitch.. |
| BIO Help:   | A short version of this section of this document, on one screen.                 |



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- Title Screen: This just re-displays the first dialog box you will see when you start the application.
- File Menu:  
Quit: Leaves the program and returns to wherever you ran it from.



**Setup Menu:**

New Birthdate: This brings up the data entry dialog with the first birthday field highlighted.

New Current Date: This brings up the data entry dialog with the first today field highlighted.

**Option Menu:**

Yearly Calendar Display: Shows all critical days for current year. Displayed with 6 screens, each covering 2 months.

Critical Days Display: Shows critical days for this month and next. Dates displayed are from current today (inclusive) through the end of the following month. This only takes one screen, and is a shortcut over the the Yearly Calendar display.

Plot Current Data: Plot current data over a 21 day period on a graph.

View Current Data: View data the program is working with. This includes the number of days you have lived, and the numeric value (day in the cycle) for each BIO curve..



## **ABOUT BIORHYTHMS, IN GENERAL**

According to biorhythm theory, the day you are born you enter a cyclic existence. Much like sleep cycles, your body has emotional, physical, and intellectual cycles as well.

In the first half of each cycle, your curves are above a zero-line, and in the second half they are below. All these curves are sine-waves (for those math minds out there). "Critical" days are considered the first and the middle day of each curve's cycle. They are called critical because they cross the zero-line, thus changing "polarity," not because they are necessarily dangerous in any way.

For a more in depth discussion of biorythm theory, please consult your neighborhood or university library, or a bookstore. Such a discussion is beyond the scope of this document.

A note on beliefs: As with many things, you either believe in it, or you don't. My release of this product should not be considered an endorsement of the validity of biorythm theory. If it works for you, fine. If not, that's fine too. I offer this as an interesting idea only. What you make of it is up to you, but beware of self-fulfilling prophecies!

### **THE CYCLES:**

The Physical cycle lasts for 23 days, before starting again. Critical dates occur on the first and 11th (actually 11.5) days of each cycle.

The Emotional cycle lasts for 28 days, before starting again. Critical dates occur on the first and 14th days of each cycle. This is a special cycle in that every second week, your day is critical.

The Intellectual cycle lasts for 33 days, before starting again. Critical



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dates occur on the first and 16th (actually 16.5) days of each cycle.



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### **VERSION HISTORY**

- 01.00mb May 13, 1991. The first limited release! This is the version first given to Beta sites. Almost no one should have a version with this number on it.
- 01.00s May 18, 1991. The first general, shareware release. All basic functionality working, and initial testing complete.  
KNOWN BUG: Mac IIx may crash on close of 'show current data'.