

SUPPLEMENTARY PROGRAMS

Re-Viewing Results from the CALCAP Program

The CALCAP program stores a copy of all data collected during the task in a file called '*subjn-xx.DAT*' where '*subjn*' is the subject number entered at the beginning of the program and '*xx*' is a coded form of the date of the exam. You can review exam results by typing 'Review' or 'Review *subjn*' at the system prompt. (Note: You must already be in the \CALCAP subdirectory before using this command.)

Preparing Data Sets for Additional Data Analyses

It is possible to simplify the data structure of the raw CALCAP data files significantly by using the SHORTEN utility. This utility takes all CALCAP data and arranges it in a fixed format suitable for use by statistical packages or database programs. The SHORTEN program is invoked by typing:

```
SHORTEN
```

at the DOS command prompt. The SHORTEN program will merge all CALCAP raw data files of the form *subjn-xx.dat* into a single data file named *MMDDYYA.DTA* where MM is the month, DD is the day, YY is the year, and the letter A is appended to the date if this is the first such file in your directory, the letter B is appended if this is the second such file, and so on. This file can then be used as an input file for your database program or statistical package.

The SHORTEN program is designed for use with the Standard and Abbreviated versions of the CALCAP program, and should work with most Customized versions, as long as no single task (e.g., Choice Reaction Time Task 03) is repeated more than once. For more information on the structure of this data file and procedures for using the SHORTEN program, see Appendix E.

Archiving Data to Save Disk Space

Data can be archived by using the 'Transfer' command. 'Transfer' compresses the data on your hard disk and then transfers this compressed data to a floppy diskette. After the data have been compressed you will have significantly more space on your hard disk, but will not be able to use 'Review' to look at old exam results.

To use the 'Transfer' command to compress and transfer data to a disk in Drive A you would type

```
TRANSFER A:
```

at the DOS prompt. You must already be in the \CALCAP subdirectory before using this command. *Safety Tips:* You should be sure that the floppy disk that you use has already been formatted and has no other files on the disk. Since TRANSFER deletes all of your old data files when it is finished, there is a slight risk of losing data if your computer malfunctions while creating the compressed file. For this reason, you should consider backing up your data files [**.DAT*] to a floppy diskette before using the TRANSFER command. In addition to the DOS Copy command (for example, *COPY *.DAT A:*), there are a number of commercial and shareware programs that can be used to back up your data.

Technical Notes: TRANSFER uses a shareware data compression program called LHARC (Copyright © Haruyasu Yoshizaki 1988-89). For more information about this program, read the file LHARC.MAN located in the CALCAP subdirectory.

Identifying Multiple Program Drivers for the CALCAP Program

If you want to know which versions of the CALCAP program are installed on your hard disk, type the command 'CALCAP' at the DOS prompt. You must already be in the \CALCAP subdirectory for this command to work.