ATTENTION

This is a USER program. Other than requiring that it conform to submittal and review standards, no quality control has been imposed upon this program by DECUS.

The DECUS Program Library is a clearing house only; it does not generate or test programs. No warranty, express or implied, is made by the contributor, Digital Equipment Computer Users Society or Digital Equipment Corporation as to the accuracy or functioning of the program or related material, and no responsibility is assumed by these parties in connection therewith.
FOCAL was developed to be used as a problem solving language. As such input to a user program is restricted to numeric entries.

The following patch will allow two new functions, FRSC(X) (Read String of Characters) and FTSC(X) (Type String of Characters). These functions allow the user of FOCAL to input and output text that is not included in the body of the user program. Incoming text is delimited by a carriage return. The carriage return is not stored in the text buffer.

To allow incoming text to be read and stored the user program executes S X=FRSC(0) where X is a dummy variable and 0 means to start storing in the first word of the buffer. Assume that the user now enters - there will be no echo - the following:

```
ABCD
```

Now if S X=FTSC(0) is executed, ABCDEF will type out. If S X=FTSC(5) is executed, then KLM will type out. The user must keep up with where he is in the buffer when storing more than one text string.

For example, if the above text was stored starting at 0, the next possible starting point is given by N=FITR(L/2)+2. In this case N=8.

Leader-trailer and rubouts inbedded in text are ignored. Text is trimmed and stored two characters per core word. Text input is delimited by carriage return.

The text buffer will hold approximately 120 (10) characters depending on blocking.

These routines use pointers and hash code areas for FNEW and FCOM.