

and the program listing.

## VI - SUBROUTINE LIBRARY

Five subroutines of a very general nature are presented here as a starting point for building your own subroutine Source Listing Library tuned to your personal software approach. Each of the five routines lists its required input (if any); its output; the variables that are changed by it; and the subroutines it may itself call in order to perform its function. In addition the labels used by the routine are listed and you should avoid using the same labels in your programming if you plan to use any of these routines. The title of the subroutine represents the label or argument with which it may be called in the source listing by a 2XXX instruction followed by that argument.

After you write your own subroutines to add to the library, list the information for each in the same way. When you need to use a particular routine, then, you do not have to delve into the actual code to figure out how it works three months later. The information is right there in your notes and on tape, and the routine may be assembled without further examination. You know what the subroutine needs and what it