# CTSS BULLETIN 50

A. **TSS Library Modification:** DREAD, DWRITE, PRNTP.

1. DREAD and DWRITE have been fixed so that one may use only two arguments, viz. file name and format, without specification.

2. PRNTPA and PRNTPC are two new entries to PRNTP.

   PRNTPA prints a vector value of any length, inserts a carriage return every 14th word, but no C.R. is inserted at the end of printing.

   PRNTPC inserts no C.R. at all. Users must supply what they wish in order to control the printing.

B. **Further Corrections to CTSS Bulletin No. 42.**

4. **GNAM** Allows the use of a primary name of all 7's for disk files handled by the TSS library routines. This case is no longer interpreted as a previous setting by SETNAM, which usually resulted in a protection made violation. However, this does not mean that the use of all 7's as a name is free of trouble, and the purpose of the modification is primarily to make it easier to delete an unexpected file.

10. **OCABC, OCDBC, OCLBC, OCRBC**

   Converts binary numbers into a printable octal representation.

   M = OCABC.(K)          converts address field of K

   M = OCDBC.(K)          converts decrement field of K

   Both the above routines yield 5 digits with one leading blank.

   M = OCLBC.(K)          converts left half of K

   M = OCRBC.(K)          converts right half of K

   Both the above routines yield 6 digits (0 - 7)

   All four of these routines are usable in FORTRAN with similar calls.

8. **COLT** Utility routine mainly used by library routines. It provides a standard tool for the handling of variable length calling sequences.