One Card Core Save Program

The recovery procedure for a system crash has been to reboot
the system by using the entry to the absolute Octal Package
(loc. 17401). This entry causes the contents of core to
be copied on a specified portion of disc prior to loading
the Octal Package from disc. However, if during the crash,
the link to the Octal Package is destroyed, the alternatives
were to, a) bring a new copy of the system from disc by using
the one card bootstrap, or b) to reload the system from cards.
Unfortunately, either option destroyed the contents of core
without a prior core save, thus preventing a diagnosis of
the nature of the crash.

The Core Save Program fits in one card and it is punched in
bootstrap format and therefore loadable by the Bootstrap (Key-In)
Loader. The program loads at loc. 17550-17567, it is self-
executing and copies core locations 20 through 17377 on the
reserved "core save" area of disc.

In case of an unrecoverable crash (link to the octal package is
destroyed) the Core Save Program Card may be loaded from the
card reader prior to the bootstrap process, thus saving the
core image for future diagnosing. Note that the program exits
with a jump to location 1, thereby allowing more cards to be
read.

Core Save Program Listing

```
CØRE:ØCT 20
RANGE:ØCT 17360
DISKA:ØCT 2413
START:LDA CØRE
      LAC1
      LDA RANGE
      TCA
      LRC1
      RSFD
      JMP *-1
      LDA DISKA
      WTFD
      JMP *-1
      RRC1
      JMP 1
      JMP *-2
```