# Across the Desk

## Guess what's hiding in the calculator?

Anyone using Texas Instruments' SR-52 might be interested to know that up to 28 "software" data registers are "hidden" within the calculator. It doesn't mention these registers in its user's manual. Program memory can be automatically partitioned into these 28 additional registers, each of which has a length of eight storage locations.

Keyboard addresses of these registers range from 70 (location 000) to 97 (location 216), inclusive, and are accessed via STO and RCL operations. Even though these software registers are not cleared by the CMs key, they do prove useful in the storage of both program codes and data for transfer to magnetic cards.

The user must keep careful track of the program-address space; however, the remainder of memory can be used to store data in register locations lying above the program. Data are automatically formatted for either scientific or fixed and floating notation. A microprogram performs the address conversion and data formatting.

*J. M. Davidson*
*Research Engineer*
Applied Automation, Inc.
Pawhuska Rd., RB2 106
Bartlesville, OK 74004