

software product to determine whether it will support lower case display. If the manual is not clear, or if the product will not support lower case, then check with the supplier of the software. Unfortunately, there is no way that Enhanceware can be of help in such a case.

For users who have a disk system, we have DICE (Dan's I/O Control Enhancements) available on a DOS 3.3 diskette. DICE makes it easy to enter and use lower case with most BASIC programs (either Integer BASIC or Applesoft*). DICE bypasses part of the monitor code to allow easy entry of lower case letters and special symbols from Apple's keyboard. With the latest version, DICE 83, either the ESC key or the modified shift key may be used for case shifting. DICE also provides several other enhancements to the Apple's I/O system, including variable speed slow list, entry of all special symbols, and easy cursor positioning. To use DICE, make a copy of the diskette and load your programs onto the copy. Each time you boot the diskette, the active routines (which are completely in 6502 machine code) are automatically loaded into a file buffer so that they are out of the way of your programs. There is no need of a HIMEN or LOMEN to avoid overlaying DICE, and only 8 bytes of zero page are used (locations 9 and \$19-\$1F). DICE should be available at your dealer where it may be copied for support of the LCA, or it may be ordered direct from Enhanceware for \$10 postpaid. Instructions for modifying the shift key are included. The DICE INFO programs on the diskette give complete instructions for using DICE. Telephone orders are accepted at (303)259-3598 for C.O.D. shipment or using Visa or MasterCard.

The very similar DICE 82 is fully documented in the April, 1982, issue of *Call-A.P.P.L.E.*, with corrections in the April, 1983, issue. The shift key modification is documented in the May, 1982, issue.