HP-71
Owner's Documentation
Addendum

This addendum contains information on the use of two HP-71 keywords, plus updated information for the *HP-71 Owner's Manual*, part number 00071-90001, dated October 1983.

Using ON . . .GOTO and ON . . .GOSUB

In the *HP-71 Owner's Manual*, page 181. Under the two situations described below, the executions of ON...GOTO and ON...GOSUB statements do not cause program branching. Instead, each of the statements may execute as an ON...RESTORE statement. In any case, memory is not altered.

Situation 1. Do not use ON...GOTO/GOSUB when OPTION ROUND POS or OPTION ROUND NEG is in effect.

To avoid this problem, insert an OPTION ROUND NEAR or OPTION ROUND ZERO statement in any program that includes ON...GOTO/GOSUB. Position this OPTION ROUND NEAR/ZERO statement so that it is active when ON...GOTO/GOSUB executes. This will ensure that no active OPTION ROUND POS/NEG statement will interfere with the proper execution of ON...GOTO/GOSUB, regardless of whether OPTION ROUND POS/NEG exists elsewhere in your program or is preserved by continuous memory from a previous setting.

Situation 2. The pointer expression used in an ON...GOTO/GOSUB statement (ON *pointer expression* GOTO/GOSUB) must not include any operators other than +, −, *, /, or DIV, nor any functions (including user-defined functions, trigonometric functions, SQRT, etc.).

To avoid this problem, use only simple variables in the pointer expression, and use only the operators +, −, *, /, and DIV. If you want the pointer expression to include a function or another operator, first assign the expression to a simple variable, then use that simple variable as the pointer in the ON...GOTO/GOSUB statement.

Examples: These examples show a wrong and a right way to have an expression act as a pointer in an `ON...GOTO/GOSUB` statement, where that expression includes a function and an operator other than +, −, *, ∕, and `DIV`.

Wrong:

```
ON FNJ(T) ^ SIN(M) GOSUB 500, 600,
700
```

This `ON...GOSUB` does *not* cause program branching.

Right:

```
A = FNJ(T) ^ SIN(M)
ON A GOSUB 500, 600, 700
```

This `ON...GOSUB` *does* cause program branching; the statement executes properly.

Owner's Manual Changes

Page 20 *at the bottom of the page add:* Now set the HP-71 back to BASIC mode by pressing [f][CALC]. (The [f][CALC] keystroke is a *toggle*. Pressing it switches back and forth between CALC mode and BASIC mode.)

Page 280, under "When You Need Help": The telephone number for technical assistance has been changed:

Technical Assistance. For technical assistance with your product, call the number below:

<div align="center">

(503) 754-6666

</div>

<div align="center">

hp HEWLETT PACKARD

Portable Computer Division
1000 N.E.Circle Blvd., Corvallis, OR 97330

</div>