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DECUS NO.	FOCAL8-86
TITLE	KCF TEMPERATURE CONVERSION TABLE
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SOURCE LANGUAGE	FOCAL

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KCF TEMPERATURE CONVERSION TABLE

DECUS Program Library Write-up

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ABSTRACT:

This FOCAL program expands the usefulness of the sample program listed in

INTRODUCTION TO PROGRAMMING (DEC)

Temperature conversion and table print out is available from any starting temperature (6 digit limit), in any size increment, to any higher temperature.

One pass through the ASK command of line 01.07 leads by way of the following IF statements to the unique selection of one of the six formulas which cover all possible conversions between KELVIN, CELSIUS, or FAHRENHEIT temperature scales.

Each conversion scheme operates under a separate group number simply for convenience in studying the program listing, and each group contains its own QUIT command to keep the program from continuing to other unwanted tables.

The program may be used to generate tables of any range and subdivision for use in the field, or the range of immediate interest may be run as needed in the laboratory.

The IF statements responsible for unique selection (group 1 from line 01.10; group 2; group 3) may be expanded to include other conversions or be employed as the basis of other FOCAL programs requiring subroutine selection.

