Read a key-event from the keyboard

(Basic listing from Thomas E. Rowley - "Atari Basic spielend lernen")

**How to use**

The Forth listing show two different ways to read a keypress. The first one is the same technique used in the BASIC Program, the second is portable across many F83 Standard and ANSI Standard Forth versions.

**Basic Version**

```
10 REM READ A KEYPRESS
20 PRINT "PLEASE PRESS A KEY"
30 POKE 764,255
35 IF PEEK(764)=255 THEN 35
36 KEY=PEEK(764)
40 CLOSE #1:OPEN #1,4,0,"K:":GET #1,A
50 PRINT "THE KEYCODE OF"; CHR$(A); " IS "; KEY
60 GOTO 30
```

**volksForth**

```forth
: READKEY ( Read Keyboard direct from Shadow register )
." press a key" CR
255 764 C!
BEGIN
  764 C@
  255 < IF
     764 C@
     "." the keycode of " DUP EMIT "." is " . CR
     255 764 C!
  THEN
REPEAT ;
```

**alternative version**

```forth
: READKEY ( Read Keycode with Forth KEY Words )
." press a key" CR
BEGIN
  KEY? IF
     KEY
     "." the keycode of " DUP EMIT "." is " . CR
  THEN
REPEAT ;
```