

## Scaled a new PEEK in microcomputing? If printed your tip will earn you a fiver.

about . . . a bit of magic that'll little gem gets our vote as microwave of the month. Think

## **Health-giving Epson sorts**

HX20 owners may have found the FILES command useful for identifying files on cassettes, but have been frustrated by not knowing the date a file was saved. Such a feature would be advantageous when more than one version of a program has been saved. Program 1 accesses this information, automatically saved in the header of each file stored on a cassette. This program will work for files stored on either of the devices 'CAS0:' or 'CAS1:'.

100 CLS:PRINT "Enter device no? ":PRINT "CAS(0): CAS(1): ";CHR\$(30):D\$ =INPUT\$(1):'ENTER 0 OR

110 IF D\$<>"0" AND D\$<>" THEN 100 ELSE D#="CAS "+D\$+":"

120 IF D\$="CAS0:" THEN H %=&H032C ELSE H%=&H02D8: H% POINTS TO START OF HEADER

130 CLS:LOCATE 2,1:PRINT "Searching "+D\$
140 ON ERROR GOTO 240:'

HANDLES ERROR FOR BASIC PROGRAM FILES 150 OPEN "1",£1,D\$+"\*.\*" : GETS FILE HEADER 160 F\$="""FOR IX=0 TO 7: F\$=F\$+CHR\$(PEEK(H%+I%)): NEXT I%: GET FILENAME 170 E\$="":FOR I%=8 TO 10 :E\$=E\$+CHR\$(PEEK(H%+I%))
:NEXT I%: GET EXTENSION
180 DA\$="":FOR I%=28 TO 33: DA\$=DA\$+CHR\$(PEEK(H%+

I%)):NEXT I%:' GET DATE 190 TI\$="":FOR I%=34 TO 190 T1\$="":FUR 1%=34 TU
39:T1\$=T1\$+CHR\$(PEK(H%+
1%):NEXT 1%:' GET TIME
200 CLS:PRINT "File: ";F
\$;" ";E\$ 210 PRINT "Date: "; LEFT\$

210 PKINI "Date: ";LEF13 (DA\$,2);"/";MID\$(DA\$,3,2 );"/";RIGHT\$(DA\$,2) 220 PRINT "Time: ";LEFT\$ (TI\$,2);":";MID\$(TI\$,3,2 ); ": "; RIGHT\$(TI\$,2) 230 CLOSE: GOTO 150 240 RESUME 160: IGNORES

ERROR

Program 1

The program reads in a file header by opening a file for input. As Basic program files cannot be OPENed, error trapping in line 140 is needed. H% points to the area in memory used by the HX20 to store the header, accessed by PEEK statements. The area used varies depending on the device being used. Elizabeth Wald. London NW3

## waits on you

# Atari down

Bit	7	6	5	4	3	2	1	0
Va	lue 128	64	32	16	. 8	4	2	1
Address								
		F	E			В	Α	
		N	M		K			H
	W	V				R		P
&HF808	F4						Υ	X
		6		4				
							9	8
						BREAK		
&HF880	CONTROL REPEAT					MODE		

Table 1 Colour Genie keyboard map

# Putting a