```
10 REM
20 REM Control del PSG
30 REM Amstrad Personal 1988
40 REM Daniel Calvo Gonzalez
50 REM
60 MODE 2:GOSUB 690:' Codigo Maquina
70 REM
80 REM Inicializacion
90 REM
100 LINEA$="0123456789ABCDPS"
110 LOCATE 1,1:PRINT CHR$(150)+STRING$(2
4,154)"Registros del PSG y Funcion"+STRI
NG$(27,154)CHR$(156)
120 LOCATE 1,2:PRINT CHR$(149)TAB(80)CHR
$(149)
130 LOCATE 1,3:PRINT CHR$(149)TAB(17)"0
R0   Periodo de tono del Canal A (0-7)"T
AB(80)CHR$(149)
140 LOCATE 1,4:PRINT CHR$(149)TAB(17)"1
R1   Periodo de tono del Canal A (8-11)"
TAB(80)CHR$(149)
150 LOCATE 1,5:PRINT CHR$(149)TAB(17)"2
R2   Periodo de tono del Canal B (0-7)"T
AB(80)CHR$(149)
160 LOCATE 1,6:PRINT CHR$(149)TAB(17)"3
R3   Periodo de tono del Canal B (8-11)"
TAB(80)CHR$(149)
170 LOCATE 1,7:PRINT CHR$(149)TAB(17)"4
R4   Periodo de tono del Canal C (0-7)"T
AB(80)CHR$(149)
180 LOCATE 1,8:PRINT CHR$(149)TAB(17)"5
R5   Periodo de tono del Canal C (8-11)"
TAB(80)CHR$(149)
190 LOCATE 1,9:PRINT CHR$(149)TAB(17)"6
R6   Periodo de ruido (0-4)"TAB(80)CHR$(
149)
200 LOCATE 1,10:PRINT CHR$(149)TAB(17)"7
```

```
 R7   Bit 0 - Tono Canal A (0 activa, 1
inhibe)"TAB(80)CHR$(149)
210 LOCATE 1,11:PRINT CHR$(149)TAB(24)"B
it 1 - Tono Canal B"TAB(80)CHR$(149)
220 LOCATE 1,12:PRINT CHR$(149)TAB(24)"B
it 2 - Tono Canal C"TAB(80)CHR$(149)
230 LOCATE 1,13:PRINT CHR$(149)TAB(24)"B
it 3 - Ruido Canal A"TAB(80)CHR$(149)
240 LOCATE 1,14:PRINT CHR$(149)TAB(24)"B
it 4 - Ruido Canal B"TAB(80)CHR$(149)
250 LOCATE 1,15:PRINT CHR$(149)TAB(24)"B
it 5 - Ruido Canal C"TAB(80)CHR$(149)
260 LOCATE 1,16:PRINT CHR$(149)TAB(17)"8
 R8   Volumen Canal A"TAB(80)CHR$(149)
270 LOCATE 1,17:PRINT CHR$(149)TAB(17)"9
 R9   Volumen Canal B"TAB(80)CHR$(149)
280 LOCATE 1,18:PRINT CHR$(149)TAB(17)"A
 R10  Volumen Canal C"TAB(80)CHR$(149)
290 LOCATE 1,19:PRINT CHR$(149)TAB(17)"B
 R11  Periodo de envolvente (0-7)"TAB(80
)CHR$(149)
300 LOCATE 1,20:PRINT CHR$(149)TAB(17)"C
 R12  Periodo de envolvente (8-15)"TAB(8
0)CHR$(149)
310 LOCATE 1,21:PRINT CHR$(149)TAB(17)"D
 R13  Tipo de envolvente (0-4)"TAB(80)CH
R$(149)
320 LOCATE 1,22:PRINT CHR$(151)STRING$(7
8,154)CHR$(157)
330 LOCATE 1,23:PRINT CHR$(149)STRING$(7
8,32)CHR$(149)
340 LOCATE 1,24:PRINT CHR$(149)STRING$(7
8,32)CHR$(149)
350 LOCATE 1,25:PRINT CHR$(147)STRING$(7
8,154)CHR$(153);
360 GOSUB 740
370 WINDOW #1,2,79,23,24
380 REM
390 REM BUCLE PRINCIPAL
400 REM
410 LOCATE #1,24,1:PRINT #1,"Elige regis
tro (0-D),S o P"
420 GOSUB 740
430 TECLA$="":WHILE TECLA$="":TECLA$=UPP
ER$(INKEY$):WEND
440 IF INSTR(LINEA$,TECLA$)=0 THEN 430
450 IF tecla$="P" THEN GOSUB 530:CLS #1:
GOTO 410 ELSE IF tecla$="S" THEN GOSUB 7
60:GOTO 380 ELSE reg=VAL("&"+tecla$)
460 LOCATE 17,3+reg-5*(reg>7):PRINT CHR$
(24)tecla$CHR$(24)
470 CLS#1:LOCATE #1,26,1:PRINT #1,"Valor
 a mandar a R";tecla$;:INPUT #1," ",nume
```

```
ro$:IF numero$="" THEN LOCATE 17,3+reg-5
*(reg>7):PRINT tecla$:CLS #1:GOTO 410
480 numero=VAL(numero$)
490 IF numero<0 OR numero>255 THEN 470
500 IF REG=7 THEN NUMERO=(NUMERO AND &X1
11111) OR &X10000000
510 LOCATE 7,3+reg-5*(reg>7):PRINT "[";U
SING "###";numero;:PRINT "]"
520 POKE &9001,reg:POKE &9003,numero:CAL
L &9000:LOCATE 17,3+reg-5*(reg>7):PRINT
tecla$:CLS #1:GOTO 410
530 REM
540 REM Sonidos de Prueba
550 REM
560 CLS #1
570 LOCATE #1,25,1:PRINT #1,"Ejemplos 1-
4"
580 ejem$="":WHILE ejem$="":ejem$=INKEY$
:WEND
590 IF ejem$<"1" OR ejem$>"4" THEN 570
600 ON VAL(ejem$) GOTO 610,630,650,670
610 RESTORE 620:FOR x=1 TO 6:READ a,b:PO
KE &9001,a:POKE &9003,b:CALL &9000:LOCAT
E 7,3+a-5*(a>7):PRINT "[";USING "###";b;
:PRINT "]":NEXT:RETURN
620 DATA 7,183,8,31,6,24,11,7,12,95,13,0
630 RESTORE 640:FOR x=1 TO 6:READ a,b:PO
KE &9001,a:POKE &9003,b:CALL &9000:LOCAT
E 7,3+a-5*(a>7):PRINT "[";USING "###";b;
:PRINT "]":NEXT:RETURN
640 DATA 7,183,8,31,6,24,11,32,12,60,13,
8
650 RESTORE 660:FOR x=1 TO 7:READ a,b:PO
KE &9001,a:POKE &9003,b:CALL &9000:LOCAT
E 7,3+a-5*(a>7):PRINT "[";USING "###";b;
:PRINT "]":NEXT:RETURN
660 DATA 0,100,1,2,7,190,8,31,11,32,12,6
0,13,8
670 RESTORE 680:FOR x=1 TO 6:READ a,b:PO
KE &9001,a:POKE &9003,b:CALL &9000:LOCAT
E 7,3+a-5*(a>7):PRINT "[";USING "###";b;
:PRINT "]":NEXT:RETURN
680 DATA 6,11,7,183,8,16,11,50,12,10,13,
10
690 REM Codigo Maquina
700 MEMORY &8FFF:RESTORE 720
710 FOR X=&9100 TO &912A:READ A$:POKE X,
VAL("&"+A$):NEXT
720 DATA 3E,00,F3,6,F4,ED,79,06,F6,ED,78
,F6,C0,ED,79,E6,3F,ED,79,06,F4,ED,49,6,F
```

```
6,4F,F6,40,ED,79,6,F4,ED,78,6,F6,ED,49,F
B,72,00,92,C9
730 POKE &9000,&3E:POKE &9002,&E:POKE &9
004,&C3:POKE &9005,&34:POKE &9006,&BD:RE
TURN
740 FOR X=0 TO 13:LOCATE 7,3+x-5*(x>7):P
OKE &9101,x:CALL &9100:PRINT "[";USING "
###";PEEK(&9200);:PRINT "]":NEXT
750 RETURN
760 REM
770 REM Rutina de Salvar Datos
780 REM
790 CLS#1
800 DIM TABLA(13)
810 FOR x=0 TO 13:POKE &9101,x:CALL &910
0:tabla(x)=PEEK(&9200):NEXT
820 CALL &BCA7
830 LOCATE #1,24,1:INPUT #1,"Nombre del
sonido ",name$
840 OPENOUT name$+".bas"
850 PRINT #9,"65000 rem Sonido de "+name
$
860 PRINT #9,"65010 restore 65040"
870 PRINT #9,"65020 for linea=0 to 13:re
ad sonido,valor:poke &A090+linea*2,sonid
o:poke &A091+linea*2,valor:next"
880 PRINT #9,"65030 call &A000:return"
890 PRINT #9,"65040 data ";
900 FOR x=0 TO 13:PRINT #9,STR$(x);",";S
TR$(tabla(x));
910 IF x<>13 THEN PRINT #9,",";
920 NEXT
930 PRINT #9
940 CLOSEOUT
950 FOR x=0 TO 13:POKE &9001,x:POKE &900
3,tabla(x):CALL &9000:NEXT
960 ERASE tabla
970 CLS #1
980 RETURN
```