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10 ;-----
20 ; AMSTRAD MAGAZINE - 1989
30 ; COMANDOS RSX PARA DIGITALI-
40 ; ZACAO E REPRODUCAO DE
50 ; SONS
60 ; .....
70 ;-----
80 ;
90 LOGRSX: EQU #BCD1
100 TAPEON: EQU #BC6E
110 TESTK: EQU #BB1E
120 RESET: EQU #BCA7
130 OUTCHR: EQU #BB5A
140 TAPEOF: EQU #BC71
150 ;
160 BEEP: EQU #07
170 CR: EQU 13
180 LF: EQU 10
190 VIDINV: EQU #18
200 FIM: EQU #00
210 ;
220 ORG #9000
230 LD BC,QUADRO
240 LD HL,WRKSPC
250 CALL LOGRSX
260 RET
270 QUADRO: DEFW NOME
280 JP RECORD
290 JP RECORD
300 JP PLAY
310 JP PLAY
320 JP COPYR
330 WRKSPC: DEFS 4
340 NOME: DEFB "G"+#80
350 DEFM "GRAV"
360 DEFB "A"+#80
370 DEFM "REPRODU"
380 DEFB "Z"+#80
390 DEFB "R"+#80
400 DEFM "C"
410 DEFB "R"+#80
420 DEFB FIM
430 RECORD: LD (STACK),SP
440 CP #03
450 JP NZ,SEGUE1
460 LD A,(IX+0)
470 CP #00
480 JP Z,ERRO
490 LD (RATE),A
500 INC IX

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510 INC IX
520 JP SEGUE2
530 SEGUE1: CP #02
540 JP NZ,ERRO
550 LD A,CR
560 LD (RATE),A
570 SEGUE2: LD E,(IX+0)
580 LD D,(IX+1)
590 LD L,(IX+2)
600 LD H,(IX+3)
610 PUSH HL
620 CALL TAPEON
630 LD HL,TEXT03
640 CALL PRINT
650 CICLO0: LD A,#42
660 CALL TESTK
670 JP NZ,SAIDA
680 LD A,#2F
690 CALL TESTK
700 JP NZ,SEGUE3
710 JP CICLO0
720 SEGUE3: LD HL,TEXT02
730 CALL PRINT
740 PUSH DE
750 CALL RESET
760 POP DE
770 POP HL
780 CALL REC2
790 LD A,BEEP
800 CALL OUTCHR
810 CALL TAPEOF
820 RET
830 PLAY: LD (STACK),SP
840 CP #03
850 JR NZ,SEGUE4
860 LD A,(IX+0)
870 AND #0F
880 LD (VOLUME),A
890 INC IX
900 INC IX
910 JR SEGUE5
920 SEGUE4: CP #02
930 JP NZ,ERRO
940 LD A,#0F
950 LD (VOLUME),A
960 SEGUE5: LD E,(IX+0)
970 LD D,(IX+1)
980 LD L,(IX+2)
990 LD H,(IX+3)
1000 CALL PLAY2

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1010 RET
1020 SAIDA: LD A,LF
1030 CALL OUTCHR
1040 CALL OUTCHR
1050 CALL TAPEOF
1060 LD SP,(STACK)
1070 RET
1080 ERRO: LD HL,TEXT01
1090 CALL PRINT
1100 RET
1110 PRINT: LD A,(HL)
1120 CP #00
1130 RET Z
1140 CALL OUTCHR
1150 INC HL
1160 JP PRINT
1170 REC2: DI
1180 PUSH HL
1190 POP IX
1200 CICLO1: LD B,#08
1210 XOR A
1220 CICLO2: CALL SCANIN
1230 CALL DORATE
1240 RLA
1250 DJNZ CICLO2
1260 LD (IX+0),A
1270 INC IX
1280 DEC DE
1290 LD A,D
1300 OR E
1310 JR NZ,CICLO1
1320 EI
1330 RET
1340 SCANIN: PUSH BC
1350 LD B,#F5
1360 IN H,(C)
1370 RL H
1380 POP BC
1390 RET
1400 DORATE: DEFB #26
1410 RATE: DEFB #0D
1420 CICLO3: DEC H
1430 JR NZ,CICLO3
1440 RET
1450 PLAY2: PUSH HL
1460 PUSH DE
1470 CALL PLAY3
1480 POP DE
1490 POP HL

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1500 CICLO4: LD B,#08
1510 CICLO5: RLC (HL)
1520 PUSH BC
1530 CALL C,ACTIVA
1540 CALL NC,DESACT
1550 POP BC
1560 DJNZ CICLO5
1570 INC HL
1580 DEC DE
1590 LD A,D
1600 OR E
1610 JR NZ,CICLO4
1620 CALL #BCA7
1630 RET
1640 PLAY3: CALL #BCA7
1650 DI
1660 LD A,#03
1670 LD C,#00
1680 CALL DOCHIP
1690 LD A,BEEP
1700 LD C,#3D
1710 CALL DOCHIP
1720 LD A,#02
1730 LD C,#00
1740 CALL DOCHIP
1750 RET
1760 ACTIVA: PUSH AF
1770 LD A,#09
1780 LD C,#0F
1790 VOLUME: EQU $-1
1800 CALL DOCHIP
1810 POP AF
1820 RET
1830 DESACT: PUSH AF
1840 LD A,#09
1850 LD C,#00
1860 CALL DOCHIP
1870 POP AF
1880 RET
1890 DOCHIP: PUSH AF
1900 LD A,#C0
1910 LD B,#F6

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1920 OUT (C),A
1930 LD B,#F4
1940 POP AF
1950 OUT (C),A
1960 LD B,#F6
1970 LD A,#80
1980 OUT (C),A
1990 LD B,#F4
2000 OUT (C),C
2010 LD B,#F6
2020 XOR A
2030 OUT (C),A
2040 RET
2050 COPYR: LD HL,TEXT04
2060 CALL PRINT
2070 RET
2080 STACK: DEFS 2
2090 TEXT01: DEFB BEEP,LF,CR
2100 DEFM "ERRO NOS PARAME
TROS"
2110 DEFB BEEP,LF,LF
2120 DEFB CR,FIM
2130 TEXT02: DEFB BEEP,VIDINV
2140 DEFM "***** ESPERE
POR FAVOR"
2150 DEFM " GRAVANDO *****
***"
2160 DEFB VIDINV,CR,LF
2170 DEFB LF,FIM
2180 TEXT03: DEFB BEEP,CR,LF
2190 DEFM "PRIMA <ESPACO>
PARA"
2200 DEFM " COMECAR A GRAV
AR"
2210 DEFB CR,FIM
2220 TEXT04: DEFB BEEP,CR,LF
2230 DEFB LF,#A4
2240 DEFM " A.M. 1989"
2250 DEFB CR,LF,LF
2260 DEFB BEEP,FIM

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10 REM *****
20 REM * DIGITALIZADOR DE SONS *
30 REM * AMSTRAD MAGAZINE 1989 *
40 REM *****
50 REM
60 REM
70 REM PARA GRAVAR A ROTINA FACA'
80 REM SAVE"DIGITA.BIN",B,&9000,&9300
90 REM
100 REM EXECUTAR ATRAVES DE: CALL &9000
110 REM
120 REM
130 REM DATA DO CODIGO MAQUINA
140 DATA 010A90211B90CDD1BCC91F90C33290C
33290C39890C39890C37E91000000000C7
150 DATA 47524156C1D2524550524F4455DAD24
3D200ED738591FE03C24D90DD7E00FE00
160 DATA CAD890321091DD23DD23C35790FE02C
2D8903E0D321091DD5E00DD5601DD6E02
170 DATA DD6603E5CD6EBC21D491CDDF903E42C
D1EBBC2C8903E2FCD1EBBC28090C36D90
180 DATA 21A291CDDF90D5CDA7BCD1E1CDEA903
E07CD5ABBCD71BCC9ED738591FE03200E
190 DATA DD7E00E60F325291DD23DD23180AFE0
2C2D8903E0F325291DD5E00DD5601DD6E
200 DATA 02DD6603CD1591C93E0ACD5ABBCD5AB
BCD71BCED7B8591C9218791CDDF90C97E
210 DATA FE00C8CD5ABB23C3DF90F3E5DDE1060
8AFCD0691CD0F911710F7DD7700DD231B

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220 DATA 7AB320EAFBC9C506F5ED60CB14C1C92-
60D2520FDC9E5D5CD3491D1E10608CB06
230 DATA C5DC4E91D45891C110F4231B7AB320E
CCDA7BCC9CDA7BCF33E030E00CD62913E
240 DATA 070E3DCD62913E020E00CD6291C9F53
E090E0FCD6291F1C9F53E090E00CD6291
250 DATA F1C9F53EC006F6ED7906F4F1ED7906F
63E80ED7906F4ED4906F6AFED79C921FE
260 DATA 91CDDF90C90000070A0D4552524F204
E4F5320504152414D4554524F53070A0A
270 DATA 0D0007182A2A2A2A2A2A2A20504F522
04641564F522045535045524520554D20
280 DATA 4D4F4D454E544F202A2A2A2A2A2A1
80D0A0A00070D0A205052494D41203C45
290 DATA 535041434F3E205041524120434F4D4
54341522041204752415641520D00070D
300 DATA 0A0A28432920412E4D2E2D203139383
90D0A0A070000000000000000000000000000
310 MODE 2:PRINT"CARREGAMENTO DA DATA."
320 MEMORY 36863:CHECK=0:FOR N=36864 TO
37404 STEP 32
330 READ A$:FOR I=0 TO 31
340 A=VAL("&" + MID$(A$, (I*2)+1, 2)):POKE N
+I,A:CHECK=CHECK+A
350 NEXT:NEXT:IF CHECK<> 58543 THEN PRIN
T "ERRO NAS LINHAS DE DATA":END
360 CALL &9000
370 MODE 2:PRINT"COMANDOS PRONTOS A EXEC
UTAR."

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