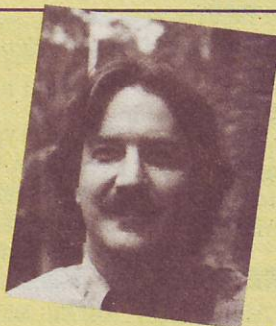# MICRO TONES

MUSIC PROGRAMS

BY JOEY LATIMER

The last time I saw Kenny Lee Lewis and Gary Mallaber was at a 24-track recording studio. I was called in to engineer the overdubs of a record they were producing. The first thing I knew, Kenny and Gary had me hooking up almost every computerized-effects unit in the place! It became clear to me then that these veteran musicians were also members of the computer generation.

When K-POWER Editor Anne Krueger came to me recently and asked if I knew any pop songwriters who might write a song for K-POWER, I thought of these guys. They swiftly went into action and composed our Microtones feature this month, called *The Curly Calypso*. Says cowriter Kenny: "We just did it and it came out sounding like a combination calypso band . . . along with Curly of the *Three Stooges*!"

HACKER NOTES: *The Curly Calypso* was composed by Kenny and Gary using a synthesizer sequencer. Technical Editor John Jainschigg translated the song into Atari note tables by looking at a lead sheet provided by Kenny and Gary (a lead sheet shows a musical staff with notes on it), and by listening to a tape of the original sequenced version . Arrays, or strings, were added to store the notes, and note drivers to play them. The result is a very interesting song in 6/4 time. Would Curly like it? "Nuk, nuk, nuk. Why, certainly!"

ATARI/ *THE CURLY CALYPSO*

```
10 DIM A$(122),B$(144),C$(288),D$(416),E$(86)
20 POKE 752,1:PRINT CHR$(125);"TUNING UP ... PLEASE WA
IT."
30 FOR I=203 TO 209:POKE I,0:NEXT I
40 SOUND 0,0,10,10:SOUND 1,0,10,10:SOUND 2,0,10,10
50 FOR I=1536 TO 1622:READ A:POKE I,A:NEXT I:A=USR(153
6)
60 FOR I=1 TO 122:READ A:A$(LEN(A$)+1)=CHR$(A):NEXT I
70 FOR I=1 TO 144:READ A:B$(LEN(B$)+1)=CHR$(A):NEXT I
80 FOR I=1 TO 22:READ A:E$(LEN(E$)+1)=CHR$(A):NEXT I:E
$(23)=E$(3,22)
90 E$(43)=CHR$(0):E$(44)=CHR$(48)
100 E$(45)=E$(3,22):E$(65)=E$(3,22)
110 E$(85)=CHR$(0):E$(86)=CHR$(104)
120 FOR I=1 TO 12:READ A,B:C$(LEN(C$)+1)=A$(A,B):NEXT
I
130 FOR I=1 TO 12:READ A,B:D$(LEN(D$)+1)=B$(A,B):NEXT
I
140 PRINT CHR$(125):POSITION 11,10:PRINT "-THE CURLY C
ALYPSO-"
150 POSITION 13,11:PRINT "BY KENNY LEWIS":POSITION 12,
12:PRINT "AND GARY MALLABER"
160 P1=-1:P2=-1:P3=-1:T1=0:T2=0:T3=0
170 IF T1=0 THEN P1=P1+2:POKE 203,ASC(C$(P1)):T1=ASC(C
$(P1+1))*5
180 IF T2=0 THEN P2=P2+2:POKE 204,ASC(D$(P2)):T2=ASC(D
$(P2+1))*5
190 IF T3=0 THEN P3=P3+2:POKE 205,ASC(E$(P3)):T3=ASC(E
$(P3+1))*5
200 T1=T1-1:T2=T2-1:T3=T3-1
210 IF P1=287 AND T1=0 THEN 160
220 GOTO 170
999 REM --MACHINE LANGUAGE FOR VIBRATO EFFECT--
1000 DATA 104,162,6,160,11,169,6,32,92,228
1010 DATA 96,216,198,208,16,10,169,3,133,208
1020 DATA 165,207,73,255,133,207,160,6,162,3
1030 DATA 181,203,208,7,189,87,6,240,40,208
1040 DATA 14,157,87,6,72,169,0,149,203,169
1050 DATA 175,157,91,6,104,24,101,207,153,0
1060 DATA 210,222,91,6,189,91,6,153,1,210
1070 DATA 201,160,208,5,169,0,157,87,6,136
1080 DATA 136,202,16,202,76,95,228
1999 REM --NOTES, DURATION, AND PHRASING DATA--
2000 DATA 60,2,57,1,53,3,50,1,47,3
2010 DATA 45,2,47,2,50,1,53,3,57,1
2020 DATA 60,1,0,8,0,2,37,1,42,1
2030 DATA 47,2,50,2,53,2,50,2,53,2
2040 DATA 50,1,42,1,0,8,0,1,76,1
2050 DATA 72,1,64,1,57,1,53,2,47,2
2060 DATA 53,2,57,1,64,2,57,1,64,1
2070 DATA 0,8,0,1,68,1,64,1,57,1
2080 DATA 50,1,47,2,42,2,47,2,50,1
2090 DATA 57,2,50,1,57,1,0,8,68,2
2100 DATA 64,1,60,3,57,1,53,3,50,2
2110 DATA 53,2,57,1,60,3,64,1,68,1
2120 DATA 0,8
3000 DATA 173,2,162,1,153,3,144,1,136
3010 DATA 3,173,1,85,1,136,2,144,1,153
3020 DATA 3,162,1,173,1,0,1,173,1,85
3030 DATA 1,173,1,85,1,173,1,173,1,173
3040 DATA 1,128,2,64,1,128,1,50,2,128
3050 DATA 1,42,3,50,1,64,1,173,2,68
3060 DATA 1,173,1,57,2,173,1,42,3,57
3070 DATA 1,68,1,144,2,72,1,144,1,57
3080 DATA 2,144,1,47,3,57,1,72,1,195
3090 DATA 2,76,1,195,1,64,2,195,1,47
3100 DATA 3,64,1,76,1,195,2,182,1,173
3110 DATA 3,162,1,153,3,195,1,96,1,153
3120 DATA 2,162,1,173,3,182,1,195,1,0
3130 DATA 1,195,1,96,1,195,1,96,1,193
3140 DATA 1,193,1,193,1
4000 DATA 0,56,0,2,50,1,57,1,50,2,0,4,64,2
4010 DATA 68,2,57,1,43,1,0,8
5000 DATA 1,24,1,24,25,46,25,46,47,72,47
5010 DATA 72,25,46,25,46,47,72,73,98,99
5020 DATA 122,99,122
6000 DATA 1,40,1,40,41,72,41,72,73,104
6010 DATA 73,104,41,72,41,72,73,104,41,72
6020 DATA 105,144,105,144
```

COMMODORE 64/*THE CURLY CALYPSO*

```
10 DIM A(183),B(216),C(435),D(627),E(135)
20 PRINT CHR$(147);"TUNING UP ... PLEASE WAIT."
30 S=54272:W1=S+4:W2=S+11:W3=S+18
40 FOR I=S TO S+24:POKE I,0:NEXT I
50 POKE S+5,31:POKE S+6,133:POKE S+12,31:POKE S+13,133
60 POKE S+19,31:POKE S+20,133:POKE S+24,15
70 FOR I=1 TO 183:READ A(I):NEXT I
80 FOR I=1 TO 216:READ B(I):NEXT I
90 FOR I=1 TO 33:READ E(I):NEXT I:FOR P=4 TO 33:E(P+30
)=E(P):NEXT P
100 E(64)=0:E(65)=0:E(66)=48:FOR P=4 TO 33:E(P+63)=E(P
):NEXT P
110 FOR P=4 TO 33:E(P+93)=E(P):NEXT P:E(127)=0:E(128)=
0:E(129)=104
120 X=1:FOR I=1 TO 12:READ A,B:FOR P=A TO B:C(X)=A(P):
X=X+1:NEXT P,I
130 X=1:FOR I=1 TO 12:READ A,B:FOR P=A TO B:D(X)=B(P):
X=X+1:NEXT P,I
140 POKE 53281,0:PRINT CHR$(147)
150 POKE 214,10:PRINT:POKE 211,10:PRINT "-THE CURLY CA
LYPSO-"
160 PRINT:PRINT TAB(4);"BY KENNY LEWIS AND GARY MALLAB
ER"
170 P1=-2:P2=-2:P3=-2:T1=0:T2=0:T3=0
180 IF T1=0 THEN P1=P1+3:POKE W1,33:POKE S+1,C(P1):POK
E S+0,C(P1+1):T1=C(P1+2)
190 IF T2=0 THEN P2=P2+3:POKE W2,33:POKE S+8,D(P2):POK
E S+7,D(P2+1):T2=D(P2+2)
200 IF T3=0 THEN P3=P3+3:POKE W3,33:POKE S+15,E(P3):PO
KE S+14,E(P3+1):T3=E(P3+2)
210 T1=T1-1:T2=T2-1:T3=T3-1:POKE W1,32:POKE W2,32:POKE
 W3,32
220 FOR T=1 TO 35:NEXT T
230 IF P1=430 AND T1=0 THEN 170
240 GOTO 180
1000 DATA 33,135,2,35,134,1,37,162,3,39,223,1,42,62,3
1010 DATA 44,193,2,42,62,2,39,223,1,37,162,3,35,134,1
1020 DATA 33,135,1,0,0,8,0,0,2,53,57,1,47,107,1,42,62
1030 DATA 2,39,223,2,37,162,2,39,223,2,37,162,2,39,223
1040 DATA 1,47,107,1,0,0,8,0,0,1,26,156,1,28,49,1,31
1050 DATA 165,1,35,134,1,37,162,2,42,62,2,37,162,2,35
1060 DATA 134,1,31,165,2,35,134,1,31,165,1,0,0,8,0,0
1070 DATA 1,29,223,1,31,165,1,35,134,1,39,223,1,42,62
1080 DATA 2,27,107,2,42,62,2,39,223,1,35,134,2,39,223
1090 DATA 1,35,134,1,0,0,8,29,223,2,31,165,1,33,135,3
1100 DATA 35,134,1,37,12,3,39,23,2,37,162,2,35,134,1
1110 DATA 33,135,3,31,165,1,29,223,1,0,0,8
2000 DATA 11,218,2,12,143,1,13,78,3,14,24,1,14,239,3
2010 DATA 11,218,1,23,181,1,14,239,2,14,24,1,13,78,3
2020 DATA 12,143,1,11,218,1,0,0,1,11,218,1,23,181,1,11
2030 DATA 218,1,23,181,1,11,218,1,11,218,1,11,218,1
2040 DATA 15,210,2,31,165,1,15,210,1,39,223,2,15,210
2050 DATA 1,47,107,3,39,223,1,31,165,1,11,218,2,29
2060 DATA 223,1,11,218,1,35,134,2,11,218,1,47,107,3
2070 DATA 35,134,1,29,223,1,14,24,2,28,49,1,14,24,1
```

M I C R O N O T E S

This month's Microtones programs are based on a song written exclusively for K-POWER by **Steve Miller Band** members **Kenny Lee Lewis** and **Gary Mallaber**! The song, "**The Curly Calypso**," was created "on a keypad system that comprises a Roland MSQ-700 Digital Sequencer, two Yamaha DX-7 synthesizers, and one Oberheim Expander Module," explains Kenny, who's played guitar or bass with stars **Eddie Money**, **Billy Preston**, and **Melissa Manchester**.

Their association with K-POWER isn't Kenny and Gary's first step into the computer world. Band leader **Steve Miller** introduced them to computers. Steve uses an **Apple Lisa 2** for entering lyrics, planning tours, and doing record budgeting; and a **Compaq** computer on stage. "We use [the Compaq] on tour [to keep track of] stage positions, harmony parts, lights, instrument arrangements, sequence of songs," Kenny says. "It's an itinerary that's typed on stage as we rehearse it, like writing a script."

Steve Miller Band members Kenny Lee Lewis and Gary Mallaber took time out from rock 'n' rollin' to write "The Curly Calypso" for K-POWER.

Computers played a large role in the production of the latest Steve Miller album, **Italian Xrays**. Kenny explains, "Almost all of the overdubs, voices, guitar leads, etc. were done on a Synclavier 2 computer-controlled sampling FM synthesizer."

Gary (the Steve Miller Band drummer who also has recorded or toured with **Van Morrison**, **Peter Frampton**, **Jackson Browne**, **Barbra Streisand**, **Pablo Cruise**, and **Joe Walsh**) recently joined Kenny to form a new band, **Robby YuBop**, along with another Steve Miller regular, **John Massaro**. They expect to release their first album and some videos this fall, and think a computer would be useful in their studio.

"We're torn between the artistic applications of the **Macintosh** and the business uses of an **IBM PC**," Kenny says. "We could use the Macintosh (with *MousePaint*) for storing fragments of lyrics; we could form poems with pieces of lyrical phrases. A musical interface with the keyboard [would] allow us to store melodic phrases.

"I want to be able to listen to a melody, stop after three notes, and edit them with part of a different melody," Kenny says. "We could sit back, drinking lemonade, and have the computer play back phrases in chain sequence. And then, when [it sounds] right, *you* came up with the melody. If it's wrong, it's the *computer's* fault."

Gary adds he'd like to use the computer for word processing, but laments that it "won't write the songs for us!"

Gary and Kenny must have computers on the brain—the subject even comes up in one of the first Robby YuBop songs. " '**The Big Beat**' is about video games that write their own music as the score goes higher," Kenny says. "The lyrics go, 'With all this knowledge, I should go to college, and whip the microchip, until eternity.' "

—LINDA WILLIAMS

```
2080 DATA 35,134,2,14,24,1,42,62,3,35,134,1,28,49,1
2090 DATA 10,143,2,26,156,1,10,143,1,31,165,2,10
2100 DATA 143,1,42,62,3,31,165,1,26,156,1,10,143,2
2110 DATA 11,48,1,11,218,3,12,143,1,13,78,3,10,143
2120 DATA 1,21,31,1,13,78,2,12,143,1,11,218, 3,11
2130 DATA 48,1,10,143,1,0,0,1,10,143,1,21,31,1,10
2140 DATA 143,1,21,31,1,10,143,1,10,143,1,10,143,1
3000 DATA 0,0,56,0,0,2,39,223,1,35,134,1
3010 DATA 39,223,2,0,0,4,31,165,2,29,223,2
3020 DATA 35,134,1,23,181,1,0,0,8
4000 DATA 1,36,1,36,37,69,37,69,70,108,70,108
4010 DATA 37,69,37,69,70,108,109,147,148,183,148,183
5000 DATA 1,60,1,60,61,108,61,108,109,156,109,156
5010 DATA 61,108,61,108,109,156,61,108,157,216,157,216
```

♪

VIC-20/*THE CURLY CALYPSO*

```
10 DIM A%(122),B%(144),C%(288),D%(416):POKE 36878,8
20 PRINT CHR$(147);"TUNING UP ...":PRINT:PRINT TAB(10)
   ;"PLEASE WAIT."
30 FOR I=1 TO 122:READ A%(I):NEXT I
40 FOR I=1 TO 144:READ B%(I):NEXT I
50 X=1:FOR I=1 TO 12:READ A,B:FOR P=A TO B:C%(X)=A%(P)
   :X=X+1:NEXT P,I
60 X=1:FOR I=1 TO 12:READ A,B:FOR P=A TO B:D%(X)=B%(P)
   :X=X+1:NEXT P,I
70 PRINT CHR$(147):POKE 214,7:PRINT:PRINT " -THE CURLY
   CALYPSO-"
80 PRINT:PRINT "   BY  KENNY LEWIS"
90 PRINT " AND GARY MALLABER"
100 A=-1:B=-1:C=0:D=0
```

```
110 IF C=0 THEN A=A+2:POKE 36876,C%(A)-200*(C%(A)<>0):
    C=C%(A+1)
120 IF D=0 THEN B=B+2:POKE 36875,D%(B)-200*(D%(B)<>0):
    D=D%(B+1)
130 C=C-1:D=D-1:IF A=287 AND C=0 THEN 100
140 FOR T=1 TO 65:NEXT T:GOTO 110
1000 DATA 24,2,25,1,27,3,28,1,30,3,31,2,30,2,28,1
1010 DATA 27,3,25,1,24,1,0,8,0,2,35,1,33,1,30,2
1020 DATA 29,2,28,2,29,2,28,2,29,1,33,1,0,8,0,1
1030 DATA 16,1,17,1,21,1,25,1,27,2,30,2,27,2,25
1040 DATA 1,21,2,25,1,21,1,0,8,0,1,19,1,21,1,25
1050 DATA 1,28,1,30,2,33,2,30,2,28,1,25,2,28,1
1060 DATA 25,1,0,8,21,2,23,1,25,3,27,1,28,3,29
1070 DATA 2,28,2,27,1,25,3,23,1,21,1,0,8
2000 DATA 33,2,34,1,35,3,36,1,37,3,10,1,33,1,37
2010 DATA 2,36,1,35,3,34,1,33,1,0,1,10,1,33,1
2020 DATA 10,1,33,1,10,1,10,1,10,1,22,2,38,1,22,1,42
2030 DATA 2,22,1,44,3,42,1,38,1,10,2,37,1,10,1,40
2040 DATA 2,10,1,44,3,40,1,37,1,17,2,36,1,17,1
2050 DATA 40,2,17,1,36,3,40,1,36,1,5,2,35,1,5,1
2060 DATA 38,2,5,1,35,3,38,1,35,1,30,2,31,1,33
2070 DATA 3,34,1,35,3,5,1,30,1,35,2,34,1,33,3,32,1
2080 DATA 31,1,0,1,5,1,30,1,5,1,30,1,5,1,5,1,5,1
3000 DATA 1,24,1,24,25,46,25,46,47,72,47,72
3010 DATA 25,46,25,46,47,72,73,98,99,122,99,122
4000 DATA 1,40,1,40,41,72,41,72,73,104,73,104
4010 DATA 41,72,41,72,73,104,41,72,105,144,105,144
```

THE RENAME THE SPECIAL Ks CONTEST

No, we weren't kidding (page 58). We *really* don't like being called the "Special Ks." We never have, we never will, and we're finally doing something about it! We need a new name, we need it now, and we need *your* help. (Authors of the best three names will win $25!) We would think of a new name ourselves, but you know what happened last time! The name shouldn't be too boring (like "K-POWER Assistants"), too obvious (like the "K-KIDs") or too *flakey* like the SPECIAL Ks (pun intended, but regretted!). So just cut out the little questionnaire here, fill it out, and mail it to K-POWER, 730 Broadway, New York, NY 10003 before July 26. PLEASE!

Sincerely,

?????????????????????????

(David, Damon, and Alex)

J.D.K.

I think the SPECIAL Ks should be renamed: _____

_____

because _____

Name _____ Age _____

Address _____

City _____ State _____ Zip _____

Telephone (   ) _____ Sex _____

Computers(s) I use _____