COLOUR GENIE

AUCKLAND DISTRICT USER GROUP

P.O. BOX 27-387, AUCKLAND 4, NEW ZEALAND.

NEWSLETTER NO. 19   AUGUST 1985

Hi,
Last month's meeting was a talk by Allan Clarke on the differences
between TRS80 programmes and Colour Genie programs. Allan showed the
difference between the addresses of the two machines. This talk will
be written up for the next newsletter. From the comments I have had
since the meeting, Allan's talk was a great help. Thank you, Allan.

COMPILER PROGRAM

We have been having a bit of difficulty getting this program to run on
some old rom machines. According to the English magazine, this
program is supposed to run on both lots of roms. It worked perfectly
on the old rom machine that I've got, but I know it doesn't on quite
a few old rom machines.

However, Roger Lockerbie has come across a solution - those of you
having problems, try the following and let us know how you get on:-

1).   Load COMPILER and execute it as usual (i.e. *? /)
2).   Then load or type in your basic program.
3).   When the program is ready to be compiled, CALL A7E0

Hopefully, everything will now work. Thank you Roger.

ORDERS FOR TAPES AND CORRESPONDENCE

I must apologise for the long wait that some of you have had, for both
tape orders and replies to letters. I had a hospital visit and for a
couple (or more) weeks afterwards I just didn't feel up to any copying
or letter writing at all. Add to that the fact that during winter it
is much nicer to be tucked up in front of the fire, with the family.
I have also been having trouble with copying, and for a while passed
it all over to Ken, who ran out of blank tapes. However, I spent the
whole of last weekend catching up on the tape orders and believe it or
not, until I clear the mailbox again, I haven't got a single unfilled
order.

While I am on the subject of tapes, I would like to mention ONCE AGAIN
that the Group is a completely voluntary one, and that at the moment
we only have 3 active committee members, Ken mainly concentrating on
repairs, and arranging the monthly meetings. Then Chris is
'compiling', copying, and distributing this newsletter. I am
answering all the letters and copying all the tapes, and believe me,
this takes a considerable amount of my time. Please remember that you

are just one person, and I know that it seems like a long wait for
you, but try to think of it from my end - here I am with dozens of
orders to fulfill, a fulltime job, a husband and two children who
really appreciate me showing my face once or twice a week, and one
social night each week, which I
cannot possibly do without. So, please, please, wait patiently for
your order. You are one of many! I will get around to it as soon as
I can.

My husband did the banking for me while I was 'indisposed' - this
explains why your cheque was banked, yet you hadn't received your
order. The money is better
in the bank, than on a bit of paper sitting in my computer room.

Also, you people more than half way down the North Island, and all of
you in the South Island, please allow up to two weeks for the Post
Office to actually get off their rear ends and do a little bit of
work. Most parcels take at least two weeks once they have left my
hands. And I'm sure that most Postal people do nothing but sit on
their hands!!

I must say I was surprised at the Christchurch Group's last magazine
(which is always brought along to the meetings for you to read) - they
mentioned several times ir their June newsletter that Auckland were
very slow in getting in touch with them. I don't know when they
posted their letter and there was no date on it, but I received it on
the 12th of June and I posted a reply to them on the 18th of June.
Here was I congratulating myself on such a quick reply (most unusual
as most of you have cause to know!!)but they obviously didn't think
so.

While we are talking about the Christchurch Group, Kevin Smith, will
you please contact them. Until I mentioned that there was a
Wellington Group that had recently started up, they never knew one
was in existence. I don't know how the Group is going - hope it is
going well - but please contact the Christchurch Group (Box 25 215).

A Christchurch Group member has a problem - he has a Seikosha GP-250X
printer and can't manage to get it to print out according to the
format of a pre-printed statement (photocopy enclosed). Are there any
members that can help? I think though, that to help properly, we
would need a copy of his program, so that it could be changed to fit
the printout.

THE ENGLISH COLOUR GENIE USERS GROUP

I have had no news from the English group for a while - and no more
Gum magazines either. I have posted off a fairly strong letter to
them. I am actually beginning to wonder whether they aren't 'going
under'. They still owe us about 100 pounds worth of program/hardware,
which we paid in advance, last December. This is just not good
enough, and so they have now been told.It means at least $300 that we
could be doing something with ourselves. Mind you, it will be very
upsetting if we have lost the Gum magazine. However, I will keep you

H.P. STATEMENT — OFFICE COPY

C/No.   Page

Date	Instalment

Date	Desc	Ref	Amount
Item			

BALANCE DUE ▶

Date Due

Instalments Rec'd
To Date

Total Amount Owing

Rebate if finalised
this period

Payment if finalised
this period

STATEMENT

Contract No.   Date   Instalment   Page No.

Sender

Date	Description	Ref	Amount
Item			

DATE DUE ▶   **BALANCE DUE** ▶

Instalments Rec'd To Date	Total Amount Owing	Rebate if finalised this period	Payment if finalised this period

Cust. Name

Contract No.

Amount Enclosed

Remittance Advice — Please detach & return with payment to above address

RE-ORDER STAT REF. R228/IAL

RediForm

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up to date on what is happening. I have also sent over for another
disk interface, I am hoping they are not out of stock, or we're in
trouble, the amount of money I sent over was fairly large.

DISK DRIVES

Mark will not be making the disk drive interfaces.After pulling the
sample one to pieces, figuring out how to make them, and pricing all
the parts, Mark has found that it would cost as much, if not more,
as the $350.00 approx. that it presently costs to send for one. And
if England have now run out, then that means another try to Germany.
They never saw fit to answer any of my previous letters (4 in English,
1 in German thanks to Keith McGill), so I don't really expect any
great changes. Don't these people want to make money!! The English
Group were raking it in from us, royalties up till June were sent
every three months, we have had to pay twice their advertised price to
purchase masters, airmail postage is 1 pound per tape and royalties
are 25% per program sold. We sent them $1100 at Christmas time in
payment of royalties and new software, and to still be waiting for
about #300 worth is the outside of enough.

From this you can gather that again there is no new software this
month!!   Hopefully next month.

SOFTWARE, NEWS AND ITEMS FROM HOLLAND

Our Holland friends are absolutely marvellous - they have been sending
over a lot of programs, and will be sending a lot more yet. They have
also sent over a whole book called 'Machine Tips and Tricks' (I think)
- unfortunately all in German, but Keith McGill is translating it for
us. It will then be copied and sold by us. The book has some great
programs in it, and will be a real asset. I understand that this book
is a sequel to an earlier one, I will try and get hold of the earlier
one if I can.

There isn't anything I wouldn't try to send Peter and Anthony.
Between them, they are practically holding the Group together (with a
little bit of help from us). If we had to pay the master price to
England for the programs these two lads have send us for nothing, it
would have cost hundreds of dollars. So if anyone has any hardware
tips, please send them to me so that I can pass them on . To
give you an example, if we take the Chopper tape, to purchase from
England cost us 7.95 pounds twice - some $25.00 to $30.00 just for
the master tape. Then royalties would come to around $6.00 per
program sold, and airmail postage for the master another $3.00 approx.
All this makes a total of around $33.00 per master tape. As quite a
few Chopper programs have been sold, we would probably have to pay
some $60.00 per ten tapes sold here. Although I had already ordered
the Chopper program from England, Peter sent me one, which has saved
us quite a bit.

PROGRAMS TO TYPE IN

Murray Jones of Tauranga, has sent us several programs that he has
either written or converted (I don't know which). There are a couple
of these over the page.

This first program is a rather nifty little Character Generator. It starts off with a square of 8 x 8 characters. You, using the arrow keys, work your drawing into the square, using the spacebar when you are in the position you want. While you are drawing in the left hand corner, a miniature drawing is appearing on the right hand side. When you have finished your picture, press return and after a short recess, the Genie comes back and tells you the data required for the drawing.

```
1 FORADDR=-3065TO-3057:POKEADDR,0:NEXT:CLEAR200:CLS:PRINT"   12345678
2 FORI=1TO8:READN(I):NEXT:DATA128,64,32,16,8,4,2,1
3 FORI=1TO8:PRINTI:NEXT
4 DIMP(64),C(64):FORI=17449TO17729STEP40
5 FORJ=1TO8:P=P+1:P(P)=J+I:C(P)=PEEK(P(P))
6 NEXTJ,I
7 Z=1:POKEP(Z),230:C=255:PRINT§60,CHR$(129)
8 A=PEEK(-1984):IFA=0THENGOTO8
9 IFAAND2THENFORI=1TO64:POKEP(I),32:C(I)=32:NEXT:FORI=1TO8:POKE-3065+I,0:D(I)=0:
NEXT::Z=1
10 IFAAND8ANDZ>8THENPOKEP(Z),C(Z):Z=Z-8:C=232
11 IFAAND16ANDZ<57THENPOKEP(Z),C(Z):Z=Z+8:C=251
12 IFAAND32ANDZ>1THENPOKEP(Z),C(Z):Z=Z-1:C=253
13 IFAAND64ANDZ<64THENPOKEP(Z),C(Z):Z=Z+1:C=255
14 IFAAND128ANDC(Z)=32THENC(Z)=202:POKEP(Z),C(Z):O=1:GOSUB37:GOTO8
15 IFAAND128ANDC(Z)=202THENC(Z)=32:POKEP(Z),C(Z):O=-1:GOSUB37:GOTO8
16 IFAAND1THENPRINT:PRINT§400,"PLEASE WAIT...":GOTO18
17 POKEP(Z),230:GOTO8
18 FORI=1TO8
19 FORJ=1TO8
20 X=X+1:IFC(X)=32THENA$=A$+"O"ELSEA$=A$+"1"
21 NEXTJ:A$(I)=A$:A$="":NEXTI
22 FORI=1TO8
23 FORJ=1TO8
24 D=D+N(J)*VAL(MID$(A$(I),J,1))
25 NEXTJ
26 POKE-3065+I,D:D(I)=D
27 D=0
28 NEXT
29 PRINT§60,CHR$(129)
30 FORI=1TO8:D$=D$+STR$(D(I)):NEXT
31 FORI=1TO32
32 IFMID$(D$,I,1)=" "THENA$=A$+",":NEXT
33 A$=A$+MID$(D$,I,1):NEXT
34 A$=RIGHT$(A$,LEN(A$)-1)
35 PRINT§600,A$
36 IFPEEK(-1984)AND1THENRUNELSEGOTO36
37 Y=Z/8
38 X=Z-INT(Y)*8:IFX=0THENX=8
39 IFY<>INT(Y)THENY=INT(Y+1)
40 D(Y)=D(Y)+O*N(X)
41 POKE-3065+Y,D(Y)
42 X=0:Y=0:RETURN
```

This program is a File Program, which is pretty well self explanatory.

```
1 CLEAR20000
10 GOSUB900
12 *84000
20 CLS:PRINT"PLEASE ENTER FILE NAME":INPUTA$
30 CLS:PRINT"PLEASE ENTER DATA FOR THE FILE ON ";A$:INPUT Z$,X$,C$,V$,B$,N$,M$,P
W1$
40 C=70
45 GOTO10
50 CLS:PRINT"PLEASE PREPARE CASSETTE AND PRESS RETURN"
55 I$=INKEY$:IFI$=""THEN55
60 CLS:PRINT"PLEASE PRESS PLAY AND RECORD ON CASSETTE THEN ANY KEY OF THE GENIE"
70 I$=INKEY$:IFI$=""GOTO70
80 CLS:PRINTTAB(10)"---:RECORDING NOW:---"
90 PRINT#-1,A$,Z$,C:PRINT#-1,A$,X$,C:PRINT#-1,A$,C$,C:PRINT#-1,A$,V$,C:PRINT#-1,
A$,B$,C:PRINT#-1,A$4,N$,C:PRINT#-1,A$,M$,C:PRINT#-1,A$,PW1$,C
100 CLS:PRINT"PLEASE PRESS STOP KEY ON TAPEDECK        REWIND CASSETTE"
105 I$=INKEY$:IFI$=""GOTO105
110 GOTO10
300 CLS:PRINT
310 PRINT"PLEASE PREPARE DATA CASETTE TO REPLAY"
320 PRINT"PRESS ANY KEY WHEN READY"
330 I$=INKEY$:IFI$=""THEN330
340 PRINT"---:PLAYING NOW:---"
350 INPUT#-1,A$,Z$,C:INPUT#-1,A$,X$,C:INPUT#-1,A$,C$,C:INPUT#-1,A$,V$,C:INPUT#-1
,A$,B$,C:INPUT#-1,A$,N$,C:INPUT#-1,A$,M$,C:INPUT#-1,A$,PW1$,C
355 COLOURRND(10):PRINT"LOADING IS NOW COMPLETE.PRESS ANY KEY"
360 I$=INKEY$:IFI$=""THEN360
370 GOTO10
600 CLS:COLOUR1:PRINT@10,"FILE NAME ";A$:
610    COLOUR3:PRINT@50,""
620 COLOUR1:PRINT"DO YOU WANT THIS FILE"
630 I$=INKEY$:IFI$=""THEN630
640 IFI$="N"THENGOTO10
650 CLS:PRINT"THE DATA ON THE FILE IS                ";Z$,X$,C$,V$,B$,N$,M$
660 I$=INKEY$:IFI$=""GOTO660
670 GOTO10
750 A$="":Z$="":X$="":C$="":V$="":B$="":N$="":M$=""
760 GOTO900
900 CLS:PRINT:PRINT:COLOURRND(9):PRINTTAB(15)"FILE PROGRAM"
1000 COLOURRND(9):PRINT@333," 1.Make File                          2.Save Fi
le                         3.Load File                          4.Display
 File                         5.Delete File"
1005 HN=649
1006 FORT=1TO20:COLOURRND(9):READD$:PRINT@HN+T,D$:FORC=1TO100:NEXTC:NEXTT
1010 COLOURRND(9):PRINT@570,"SELECT NUMBER PLEASE "
1020 K$=INKEY$:IFK$=""GOTO1020
1030 COLOURRND(9):K=VAL(K$):IFK<1ORK>5THENPRINT:PRINTTAB(2)"FAULTY SELECTION 1-5
 ONLY,TRY AGAIN":GOTO1010
1040 RESTORE:ONKGOSUB20,50,300,600,750
2000 DATAM,A,D,E,,B,Y,,M,U,R,R,A,Y,,J,O,N,E,S
```

NEW MEMBERS

We have three new members to welcome this month. We hope you enjoy our newsletters, and being part of our Group. The new members' names are:
Stephen Doell,36 Victory Avenue,Karori,Wellington
Richard Cameron,107 Duke Street,Invercargill
Shirley M. Flower,32 Fairview Avenue,Feilding

EUROMATIC TAPE RECORDERS

Quite a lot of interest has been shown in these and I have therefore asked the person that can get them for us (for around $50) to purchase a couple of them so that we could keep them 'in stock'. However, two obviously isn't going to be enough, we have orders for five. If any country people are looking for a reasonably priced recorder, let me know that you definitely want one so that I can order it for you.

DATA STABILISERS

Mark did a run of 25 stabilisers a couple of months ago, and unfortunately, these have now run out. He advises that, due to the parts having risen highly in cost, all data stabilisers from now on will cost $25.50 each. Sorry about this, I guess we should be used to it by now.

BASIC +5

This tape is for disk users only (?). Don't ask me how they managed that one!! We are having trouble translating the program, let alone then turning round and trying to load a cassette tape through the disk drive!!

Well, that's about it from me this month, remember, we welcome the sales of tapes - it means that we can then go and purchase new ones with the money we make, but please wait a little while before ringing or writing to find out where your order is. (If the cheque has been banked, it's a pretty good indication that I've got your order in my 'to do' pile!!

                                              - Nola Huggins

```
 PRINT"THIS IS YOUR CHANCE TO MAKE SOME UNUSUAL FIGURES"
 PRINT:PRINT"ALL YOU DO IS ENTER THE NUMBER OF GRID  LINES AND FOUR SETS OF CO-
RDINATES     ANYWHERE WITHIN THE SCREEN AREA.....AND THEN WATCH."
 COLOUR15:PRINT:PRINT"TRY ENTERING CO-ORDINATES WHICH WHEN-JOINED FORM CROSSES
ND TEES....E.G. 0,0...120,80.....10,60.....140,10"
O PRINT:PRINT
5 INPUT"HOW MANY GRID LINES";N
O FORI=1TO4
O PRINT:PRINT:INPUT"CO-ORDINATES CX-CY ";CX(I),CY(I)
5 NEXTI
10 DIMLX(4,N):DIMLY(4,N)
20 CLS
30 REMDRAW SIDES OF GRID
35 FCLS:FCOLOUR2:FGR
90 PLOTCX(1),CY(1)TOCX(2),CY(2)TOCX(3),CY(3)TOCX(4),CY(4)TOCX(1),CY(1)
10 FORI=1TON
20 LETLX(1,I)=CX(1)+(CX(2)-CX(1))*I/N
30 LETLY(1,I)=CY(1)+(CY(2)-CY(1))*I/N
40 NEXTI
50 FORI=1TON
60 LETLX(3,I)=CX(4)+(CX(3)-CX(4))*I/N
70 LETLY(3,I)=CY(4)+(CY(3)-CY(4))*I/N
80 NEXTI
90 FORI=1TON
00 LETLX(2,I)=CX(2)+(CX(3)-CX(2))*I/N
10 LETLY(2,I)=CY(2)+(CY(3)-CY(2))*I/N
20 NEXTI
30 FORI=1TON
40 LETLX(4,I)=CX(1)+(CX(4)-CX(1))*I/N
50 LETLY(4,I)=CY(1)+(CY(4)-CY(1))*I/N
60 NEXTI
00 REMDRAWGRIDLINES
10 LETK=1:GOSUB500
70 LETK=2:GOSUB500
30 GOTO430
00 REMSUBROUTINEPLOT
10 FORI=1TON
5 FCOLOUR(INT(RND(3)+1))
0 PLOTLX(K,I),LY(K,I)TOLX(K+2,I),LY(K+2,I)
0 NEXTI
0 RETURN
0 FORT=1TO2000:NEXT:FCLS:GOTO35
```

Basic Basic for Parents & Beginers

Part 2

David Donaldson

Well now, how did you make out with last months article ?
If you are reading this I guess you found part 1 usefull.
I hope you did your homework,see how you made out with those
brackets (technically they are called parenthesis) they are the
key to making the computer do its maths in the correct order.

Right,now the best thing to do first will be to re-load the
programmes you wrote last time & saved to tape.Your computer will
either use the command 'CSAVE' or just 'SAVE' & 'CLOAD' or 'LOAD'
depending on your system,your manual will tell you. Go ahead now
& re-load your last months programmes remembering to switch the
tape recorder on first & then the computer in order not to get an
overload in the computers input when the tape starts.Once loaded
the command 'LIST' followed by 'return' will list the programme
to the screen.
Now just go ahead & type in the following programme.

```
410 CLS
420 PRINT:PRINT "To convert Farenheit to Centigrade "
430 PRINT:INPUT "What is the temperature in Farenheit ";F
440 C=((F-32)*5)/9
450 PRINT:PRINT
460 PRINT "The temperature in Centigrade is ";C
470 PRINT:INPUT "Another temperature Y/N ;Z$
480 IF Z$="Y" GOTO 410:IF Z$="N" GOTO 490 ELSE 480
490 END
```

If you want to make it run type 'RUN' & 'return' & it will
execute. However it will start from the lowest line number &
work upwards,this means that this programme will always start at
line 110 & of course will never get to the last three blocks we
wrote. DRAT. Well don't panic there is a way to overcome this,
by specifying the line for execution to start at Use the command
'RUN [line number]' eg RUN 210 'return' will start the programme
at the second block of code & so on. Clever Eh.
Now how did your programme look compared with this example ?
well don't worry if it wasn't exactly the same,if it runs its OK.
The examples I am giving you could stand a bit of streamlining
but the purpose is to demonstrate certain programming features.
Now back to those brackets,just for fun type in the
following,

```
510 C = 100 - 32 * 5 / 9
520 PRINT C
```

This will give the centigrade equivalent of 100 deg F or will
it ? Type in RUN 510 & note the answer.Then type in RUN 410 and
answer 100 to the question 'What temperature ?' WOW "it does not
compute" to quote an expert.The answer is those brackets of

1

course.The little beastie does its calculations on a line in a
strict order,it runs down the line & does all the bracketed
calculations first from the deepest brackets outwards then it
goes back along the line & does multiplication,division,addition
& subtraction in that order.Remember 'By My Dear Aunt Sally'
(Brackets,multiply,div...... ok you've got it)
        Now to get rid of those unnecessary lines type in 510
'return' & 520 'return' & hey presto,list the programme & where
are they.
        On the other hand you will remember that at the beginning of
part one was left 10 numbers between lines just in case we wanted
to add a bit of extra or change something, so right now,at the
end of your listing, right after line 490 type the following
        115 REM CALCULATION BLOCK No 1
        215 REM CALCULATION BLOCK No 2
        315 REM CALCULATION BLOCK No 3
        415 REM CALCULATION BLOCK No 4

        Now thats silly,typing them out of order like that,or is it
well lets type LIST 'return' & see whats happened Hey Presto
well the jolly old thing is magic isn't it,its sorted them out
into correct numerical sequence. The computer is number hungry in
fact it only works with numbers,even the letters of the alphabet
are converted by a little converter inside the computer to
numbers before the circuitry can deal with them.
        These numbers are given a code,they are called ASCII codes
the word ASCII stands for American Standard Code for Information
Interchange & each letter (capital or small),Number & character
key on the computer has been assigned a code number.These are
known as Character strings or to the computer CHR$ the dollar
sign is used to show a string (either letters or numbers)to the
computer.
You can see them by typing in the following short programme,as
its not part of the overall utility group we are putting together
through this series start with no programme in the memory & type
in the following.
        The way to clear all resident programmes out of current
memory is to type in NEW 'return' & its a good practice to do
this regardless before typing any new programme in.
        10 CLS
        20 FOR N = 1 TO 200
        30 PRINT CHR$(N);
        40 NEXT N
        50 END
        OH you spotted it then,SEVERAL columns of letters numbers &
other exciting looking bits & pieces.Why so many columns ? well
we asked it to print that many columns didn't we ? EH ? You know
that the computer can & will only do what we ask it to,the trick
is in the comma (,) at the end of the print line,this divides the
line into print zones & prints each step on a different zone,a
good trick we will be using later.   But wait on now there is
something else we havn't seen before too, FOR N=1 to 200 OK well
the idea is to have the computer repeat a step,in this case 200
times but we have the computer change its instructions itself,
stepping from 1 to 200 each time it prints the following line the

2

NEXT statement makes execution go back to the FOR line until the required number of loops have been made. Called a FOR/NEXT loop. N is a variable,as in algebra,we assign a value of 1 to it in line 20 & each time the computer goes back to line 20 it adds 1 to N making it 2 then 3 & so on ie.it varies.

But,but.... but what is a REM statement in that listing ? Well REM is short for 'REMARK' & in fact that is all that it's there for,for YOU to put certain remarks in the programme for your own use.Its like using a jotter pad for reminders,the REM statement is totally ignored by the computer as it races along reading each line as it goes,when it gets to a line that starts with REM it just skips that line,this lets you tag programme parts or blocks so you know what that block is,when editing or changing or,worse still,debugging.What's debugging I hear you ask ? Ha. Thats when you have a 'bug' or problem in a programme & it won't run properly & you have to 'debug' it to get it running,a very frustrating time consuming exercise I can tell you.I shudder to think about it.

Well I think that that's about enough for this month,there are a lot of new commands to get to grips with so no homework I would like you to review both parts 1 & 2 So see you next month

```
1 REM
```

```
2 REM      TYPED IN FOR THE COLOUR GENIE BY H.E.PHILIPSEN
3 REM      FROM A PROGRAM FROM"MORE BASIC COMPUTER GAMES"
4 REM      BY DAVID H.AHL
10 DIMA(21)
40 DIMS(2,11)
50 FORI=1TO2:FORJ=0TO9
55 READS(I,J):NEXTJ:NEXTI
60 DATA0,1,2,3,3,2,2,1,0,-1
70 DATA1,2,3,4,5,4,3,2,1,0
100 CLS:PRINT"YOU ARE THE COWBOY.GO CATCH YOUR  HORSE IN THE CORRAL!"
110 INPUT"DO YOU WANT FULL INSTRUCTIONS";F$
120 IFLEFT$(F$,1)="N"GOTO190
130 PRINT:PRINT:PRINT"YOU MOVE TOWARDS YOUR HORSE 1 TO 5 STEPS AT A TIME."
140 PRINT"IF YOU MORE THAN HALVE THE SEPARATION HE WILL BOLT!"
150 PRINT"HE MAY ALSO BOLT WHEN HE IS CLOSE TO THE RAIL"
160 PRINT"WHEN YOU COME WITHIN 2 STEPS HE MAY KICK,SO LOOKOUT!!"
180 PRINT:PRINT
190 PRINT"AFTER '?' TYPE IN DIGIT FROM 1 TO 5 FOR COWBOY'S NEXT MOVE"
192 FOR I=1 TO 4000:NEXT
195 CLS
200 C=1:L=1:K=0:M=0:N=0:GOSUB800
220 IFR>5THENQ=-Q
225 H=13+Q:GOSUB810
230 T=2+P:PRINT
300 B$="
310 FORJ=1TO21:A(J)=32:NEXTJ
320 A(C)=67:A(H)=72
330 COLOUR1:PRINTN;:COLOUR2:PRINTCHR$(221);
333 FORJ=1TO21:COLOUR4:PRINTCHR$(A(J));:NEXTJ
337 COLOUR2:PRINTCHR$(203),B$;
370 X=ABS(H-C):L=SGN(H-C)
380 N=N+1:IFK>0GOTO640
390 IFN>100THEN980
395 INPUTD
400 IFD>0ANDD<6GOTO450
420 PRINT"ILLEGAL MOVE,TRY AGAIN";:GOTO390
450 E=C+L*D:IFE<1ORE>21THEN420
460 C=E:GOSUB800
510 G=P:H=H+L*G:GOSUB810
530 IFX<2*DANDD>1GOTO570
540 IFH>1ANDH<20THEN600
545 GOSUB800
550 IFR>2GOTO600
555 IFX>7GOTO300
570 G=9+2*P:H=H-L*G:L=-L-L:GOSUB810
580 IFABS(H-C)>1THEN590
585 H=H-3*L:GOSUB810
590 B$="BOLTED":GOTO310
600 IFABS(H-C)>2GOTO300
605 GOSUB800
610 IFR>3GOTO700
615 GOSUB800
```

```
620 K=P+2:M=M+1:H=H-5*L:GOSUB810
630 B$="KICKED":GOTO310
640 IFM>TGOTO900
650 K=K-1:PRINT:GOSUB800
670 H=H+L*(P+1):GOSUB810:GOTO300
700 IFH=CTHEN930
705 GOTO300
800 R=INT(RND(10)):P=S(1,R):Q=S(2,R):RETURN
810 IFH<1THENH=1
820 IFH=>21THENH=21
830 RETURN
900 PRINT:PRINT"THOSE KICKS LANDED YOU IN THE HOSPITAL!"
910 PRINT"GET WELL SOON!!":GOTO960
930 FORJ=1TO21:A(J)=32:NEXTJ:A(C)=35
940 PRINT,"I";
943 FORJ=1TO21:PRINTCHR$(A(J));:NEXTJ
947 PRINT"I"
950 PRINT:PRINT"YIPPEE!!NOW SEE IF YOU CAN CATCH HIM    IN FEWER MOVES"
960 INPUT"ANOTHER ROUNDUP";F$
970 IFLEFT$(F$,1)="Y"THEN200
975 GOTO999
980 PRINT:PRINT"ENOUGH!!YOU'D DO BETTER AS CAMP COOK!":GOTO960
999 END
```

```
1 REM                    SLOT   MACHINE
2 REM
3 REM
4 REM                 SENT IN BY HERMAN PHILIPSEN
5 REM
6 REM
10 T=20:Q=840
20 COLOUR8:CLS:PRINT:PRINT:PRINT:PRINT:PRINT"             SLOT MACHINE":PRINT
30 COLOUR4:PRINT:PRINT:PRINT:PRINT:PRINT"WELCOME TO THE CASINO!":PRINT:PRINT:PRINT"YOU MAY
BET GOLD CHIPS "
40 PRINT"WORTH 1,2,5,OR 20 DOLLARS."
50 PRINT:PRINT:INPUT"PRESS RETURN TO CONTINUE";P:CLS
60 COLOUR4:PRINT"$5000 WILL BREAK THE BANK PAYOFFS ARE:"
70 Q=840
80 PRINT:PRINT"3 BARS............100 TO 1"
90 PRINT"3 BELLS............80 TO 1"
100 PRINT"3 LEMONS...........50 TO 1"
100 PRINT"3 LEMONS...........50 TO 1"
110 PRINT"3 PLUMS............30 TO 1"
120 PRINT"3 PEACHES..........25 TO 1"
130 PRINT"3 ORANGES..........10 TO 1"
140 PRINT"2 BARS & 1 BELL....10 TO 1"
150 PRINT"2 BELLS & 1 LEMON...9 TO 1"
160 PRINT"2 LEMONS & 1 PLUM...8 TO 1"
170 PRINT"2 PLUMS & 1 PEACH...7 TO 1"
180 PRINT"2 PEACHES & 1ORANGE.5 TO 1"
190 PRINT"2 ORANGES & ANYTHING2 TO 1":PRINT:PRINT
200 COLOUR4:PRINT"YOU NOW HAVE $ ";T:PRINT
200 COLOUR4:PRINT"YOU NOW HAVE $ ";T:PRINT
210 INPUT"WHAT IS YOUR BET";B
```

```
220 IF(B=1)+(B=2)+(B=5)+(B=10)+(B=20)THEN240
230 PRINT:PRINT"YOU MAY BET 1,2,5,10 OR 20 DOLLARS ONLY":GOTO200
240 IFB<=TGOTO260
250 PRINT:PRINT"YOU DON'T HAVE THAT MUCH, TURKEY!":GOTO200
260 PRINT:INPUT"PRESS RETURN TO START THE WHEELS          S P I N N I N G :

270 FORO=1TO3
280 Q=Q+8
290 P=0
300 R=RND(6)
305 PRINT:PRINT@Q,"BAR":PRINT@Q,"BELL":PRINT@Q,"LEMON":PRINT@Q,"PLUM":PRINT@Q,"PEACH":PRINT@Q
ORANGE":PRINT@Q,STRING$(8,32)
310 FORBELL=1TO10:CALL357C:NEXTBELL
320 COLOUR6:IFR=1THENPRINT@Q,"BAR":L=300000:GOTO380
330 COLOUR8:IFR=2THENPRINT@Q,"BELL":L=20000:GOTO380
340 COLOUR4:IFR=3THENPRINT@Q,"LEMON":L=3000:GOTO380
350 COLOUR3:IFR=4THENPRINT@Q,"PLUM":L=100:GOTO380
360 COLOUR5:IFR=5THENPRINT@Q,"PEACH":L=20:GOTO380
370 COLOUR5:IFR=6THENPRINT@Q,"ORANGE":L=3
380 PRINT:IFO=1GOTO620
390 IFO=2GOTO640
400 IFO=3GOTO660
410 NEXTO
420 IFD=900000GOTO690
430 IFD=60000GOTO720
440 IFD=9000GOTO750
450 IFD=300GOTO780
460 IFD=60GOTO810
470 IFD=9GOTO840
480 IFD=620000GOTO870
490 IFD=43000THENGOTO880
500 IFD=6100THENGOTO910
510 IFD=220THENGOTO940
520 IFD=43THENGOTO970
530 IFD=300006THENGOTO1000
540 IFD=20006THENGOTO1000
550 IFD=3006THENGOTO1000
560 IFD=106THENGOTO1000
570 IFD=26THENGOTO1000
580 COLOUR4:PRINT:PRINT"SORRY,BUT YOU LOSE YOUR BET OF $ ";B
590 FORZ=1TO1500:NEXT
600 T=T-B:IFT<=0GOTO1070
610 CLS:GOTO60
620 A=L
630 GOTO410
640 E=L
650 GOTO410
660 C=L
670 D=A+E+C
680 GOTO410
690 CLS:PRINT:PRINT"JACKPOT!!!! 100 TO 1 PAYOFFS!!"
700 T=T+(100*B)
710 GOTO1030
720 CLS:PRINT"YOU WIN AT 80 TO 1 ODDS"
730 T=T+(80*B)
740 GOTO1030
750 CLS:PRINT"YOU WIN AT 50 TO 1 ODS"
760 T=T+(50*B)
770 GOTO1030
780 CLS:PRINT"YOU WIN AT 30 TO 1 ODDS"
790 T=T+(30*B)
800 GOTO1030
```

```
810 CLS:PRINT"YOU WIN AT 25 TO 1 ODDS"
820 T=T+(25*B)
830 GOTO1030
840 CLS:PRINT"YOU WIN AT 10 TO 1 ODDS"
850 T=T+(10*B)
860 GOTO1030
870 GOTO840
880 CLS:PRINT"YOU WIN AT 9 TO 1 ODDS"
890 T=T+(9*B)
900 GOTO1030
910 CLS:PRINT"YOU WIN AT 8 TO 1 ODDS"
920 T=T+(8*B)
930 GOTO1030
940 CLS:PRINT"YOU WIN AT 7 TO1 ODDS"
950 T=T+(7*B)
960 GOTO1030
970 CLS:PRINT"YOU WIN AT 5 TO 1 ODDS"
980 T=T+(5*B)
990 GOTO1030
1000 CLS:PRINT"YOU WIN AT 2 TO1 ODDS"
1010 T=T+(2*B)
1020 GOTO1030
1030 IFT>=5000GOTO1050
1040 GOTO60
1050 PRINT:PRINT"INCREDIBLE YOU'VE BROKEN THE BANK!!!    C O N G R A T U L A T I O
S !"
1060 END
1070 PRINT:PRINT"AND YOU'RE OUT OF MONEY-TRY AGAIN SUCKER"
```

STOP PRESS   STOP PRESS   STOP PRESS   STOP PRESS   STOP PRESS

Some items of news have just come to hand:-

NEW PROGRAMS

We have just received another wonderful tape from Holland - there are
a total of 26 programs on this tape. so I should be able (with the
help of my children) to get quite a few ready for sale for next month.

ROM BOARDS

These are now available at a cost of $50.00 each. They will hold the
2532 eproms (which do not come with the board). As we have a
reasonably priced source of copying eproms, this means that all your
favourite programs can now be copied on to eproms and kept on one of
Mark's Rom Boards. By using either CALL C000, CALL D000 or CALL E000,
you can call up your programs, without having to wait the few
minutes that a cassette tape takes to load. Just plug it in, then
turn the Genie on, CALL any of the three addresses, and hey presto,
there is your program!

SPREADSHEET PROGRAM

We have, at last, got what looks to be a good spreadsheet program.
This has come from Peter Fisher (who's Screen Scroller program you may
remember from a recent newsletter), so we know that it will be a good
program. As I have only just received it, I haven't had time to go
through it yet, but there are six typed pages of documentation, to
explain how to work the program. It is 10K long, therefore the
listing is too long to be printed in the newsletter, so it will be on
sale as one of our $3.50 programs. Thank you Peter, there have been a
lot of requests for a good spreadsheet program.

PRINTER INTERFACES

These are also now available from the Group, at a cost of $55.00 each.
Mark has once more, in between having the flu over the last two
months, been very busy. Please order from the Group.

MARK LANGDON AND HIS VOLUNTARY WORK FOR THE GROUP

Mark tells me that he too, has been phoned or visited at home, by
people getting anxious for their hardware items. Can we please keep
both phone calls and visits to Mark to a minimum. He too has a full
time job, and a wife and family at home, anxious to spend some time
with him. Please make sure all orders come to me, and not direct to
Mark, he is our 'wholesaler/manufacturer'. When purchasing from
Woolies, you wouldn't go direct to L D Nathan's would you?
Admittedly, it would be very nice to be able to do so, but Mark
doesn't know the prices, and by just charging for the bits, he gets

nothing at all for the work he has done, and this is just not fair.

CAN ANYONE ELSE TRANSLATE GERMAN MAGAZINES INTO ENGLISH

I hesitate to ask poor Keith McGill, who has already got one book to
translate now, but we have received two magazines from a Colour Genie
Group in Germany - obviously another one like the English Group. I
have a total of 130 pages full of tips, information and programs, and
I can't read a word of it. Can anyone help us out with this? Even if
a couple or a few of you took so many pages each. If you can help,
please get hold of your eternally grateful secretary.
Ta muchly.

NEXT MEETING DATE

Date of next meeting is   19th August   - actually, next Monday.

I hope a lot of you can give the fireplace a miss, and come along.
Goodness knows what has been planned - we seem to have lost Andy
temporarily, but even just getting together to have a talk is worth
coming out into the cold for.

                                                        Nola Huggins