



The Alternative Atari Newsletter

£1.50 2nd Quarter 1992

Issue 15

BOP AUG

3D Models on the Atari Classic 8-bit



*Ever wondered if
those Lynx
Accessories are
worth it?*

*Yes.
Then find out inside.*

Plus:

Show Reviews
NET_News
Software Roundup
Notice Board
User Group File

Grain International

Clear Hard Drive Installation \$199.95
 We'll install your new hard drive and format it for you. We'll also install your operating system and software. We'll even help you with any software you need. We'll be there to help you with any software you need. We'll be there to help you with any software you need. We'll be there to help you with any software you need.

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 We'll install a 3.5" modem on your IBM PC. We'll also help you with any software you need. We'll be there to help you with any software you need. We'll be there to help you with any software you need.

Come and meet us at the Mid Length Amateur Radio Rally
 Sunday 28th June 1992
 Length House at Wincanton Wildlife Centre on Wincanton road in north east, Clebury Park and the house along the junction for a great day out

MS-DOS 6.02 \$199.95
 We'll install MS-DOS 6.02 on your hard drive. We'll also help you with any software you need. We'll be there to help you with any software you need. We'll be there to help you with any software you need.

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Free Product Catalogue Available

Notice Board

Deskjet 500 Personal Services

We have recently been advised that a printing service is available from Paul Cooper using the Deskjet 500, and supplying Timesite 285, 285c and 285c+ for use for the 285c and 285c+ price per page. The Timesite and 285c price per page for the 500 is now at 25 pence per 10 pages.

For further information contact

Paul Cooper

497 Wiltonia, Wexham, Bucks MK35 4JH
Tel: 0494 621170

Competition #2 Winner

You've worked a winner for our last competition. You were too fast! We only had the one entry however, as the person in question got ill. The language right is has been decided to give her both the 4-10 prize. And our winners is

Steven Trave

The answer, plus the bonus from competition #1 (you see we will provide one digit and a new competition will be printed within the next grouping involving 4-10)

Show News

Some interesting news about some computer related shows

28th Jan, 1993

IBM Longford Institute Radio Rally
Longford House, at Watermore, Watermore
Organised by Radio Society of Great Britain,
City of London Group

Open. Quite international standing. 7th Feb, 28 radio exhibitors

10th Feb July 1993

The 6th International Computer Show
Wembley Conference & Exhibition Centre
London

Organised by Westminster Exhibitions (01-244-4444)

Notice Many IT product suppliers and developers including the Association of Great Cities Groups will be exhibiting. As the previous show (last year) was also present.

WANTED

Do you produce small related products?
Want some free advertising?
Then send a press release or information to B 14 and we will put it up in the Notice Board

Frederick Software College

It is well known that we have to inform you of the success of Frederick Software, manufacturer and supplier of several IT hardware and software, including Cam 2000 and Page-Me-Check.

For an opinion on the reliability of these products contact our office in Major Development.

Agenda 87 Link

Watch the April issue of the Newsletter of the Agenda Users Club, along with the announcements of the Agenda Model 2 economic benefit computer on the issue of the Portfolio, watch the success of a CRM based program that allows you to easily transfer files between your Alan 87 and Agenda. The major features of the program include: sharing and secure operation, the ability to run as an auxiliary or program, the ability to use the Agenda, as an alternative keyboard for use with most 87 applications and the ability to search and review managed files, and the Agenda file writer there. For more details contact:

Microview Ltd, 7 Winton Way
Machonbury, GB-40A
Telephone: 081 682 0388

Price Increases

For many years now we have been trying to keep the price of B 14 low. However, we cannot ignore the fact that the price of paper is rising and the cost of the paper is rising. We have therefore, with your permission, increased the price of B 14 to a level that accurately reflects the cost to produce. New prices are detailed below. Please note, the without these increases, the cost of B 14 would be 100p per 100.

UK Subscription Rates

Volume 10 Issues

UK £1.50

Europe £3.00

Overseas (incl) £3.00

Overseas (excl) £2.00

USA Commercial

Subscription Rates

Full page £11.00

Half page £5.00

Quarter page £3.00

Please (0203) 978914 for details

Market Development Take Over Frontier Products

With the end of the Frontier Software, it is with pleasure that we can inform you of the continuing availability of their knowledgeable range, via Market Development.

Market Development is a new business owned by Muelin Widdowson (Preston) Frontiers, with previously employed as Frontier Software.

The ST product range, including prices inclusive of VAT is:

Frontier MS-Check II	£17.99
Frontier Q "checked" (check buffer) Lists	
MSX capacity	£54.75
ZX80 capacity	£19.99
STUP (updates)	£22.50
MSMagazine	£117.50

Xtra-RAM Alan ST Memory Expansion	
Unpopulated	£24.99
Populated to 8 Megabyte	£31.99
Populated to 24 Megabyte	£39.99
Xtra-RAM Deluxe Alan ST/XT/IBM 2 Mega ST Memory Expansion	
Unpopulated	£34.99
Populated to 8 Megabyte	£41.99
Populated to 24 Megabyte	£49.99
Populated to 48 Megabyte	£71.99
Xtra-RAM Giga Memory Expansion	
8 Megabyte	£64.99
16 Megabyte	£79.99
32 Megabyte	£149.99

Market Development
 Woodward Farm, Postind, Fillingly Bridge, South
 Yorkshire YO26 5ET
 Telephone 0427 711871

Alert Explorer ON-LINE!

Alert Explorer and Focus Industries (publishers of the *Alert Explorer* and *Alert Online Magazine*) have recently announced a brand new online magazine for the Alert Community called *Alert Explorer Online*.

According to the introduction the goal of *Alert Explorer Online* will be to serve the needs of all *Alert Explorer* Profiles, Lists, ST's, and F's.

"When we decided that we wanted to do something original, it just didn't make sense to completely to invent the wheel," stated Roy Brooks, Alert's Director of Communications. "In the online alert community, I had seen on the internet the quality and accuracy required, and it only made sense to make them participate in the new medium. Roy Brooks and John Hogg are among the most most talented publishers on the Alert scene today. The entire I'Alert staff will be part of the new joint-venture *Alert Explorer Online*. We're very excited that they have chosen to join us in making *Alert Explorer Online* the best it can be."

The goal of *Alert Explorer Online* was reached the end of the I'Alert Online magazine for the Alert ST Community. Current plans call for Focus, Inc. Focus Industries to continue to publish their popular I'Alert F's and I'Magazine publications. "While there is a certain sense of loss with I'Alert discontinuing we're very excited that they will continue to be a part of this exciting new venture," said Roy Brooks. "John is Chief of *Alert Explorer Online*. John Explorer is one of the most magazine writers market and will very willing to contribute that excellent talent to help build with their online magazine."

Chestnut Computer Club

Several members of it was advised systems related some more detailed information about the Chestnut Computer Club.

Meetings started on Wednesday evening 7.15pm with the VP Suite with Peter Hall, Woodhill Lane, Chestnut, Herefordshire in 22 of the floor and there is an annual membership fee. Meetings are for the month May to Oct 20th June, 2nd July, 28th August, 25th September, 22nd October, 20th November and 18th Dec/December.

For more information contact the membership secretary Dwight Carter 0871 672714

KE-SOFT Cat display

Difficult to see the best way of Page 4 without on the floor with the KE-SOFT advert, a copy of the KE-SOFT catalogue arrived with some very interesting titles. War for Russia (Disk - £6), QIX (Cart. £3), Summer Games (Disk - £4), Cinema Of Knowledge (Cart - £19.95 - £5), King-Disk - £4, plus many more. For more info write to KE-SOFT K. Ryan, Frodsham 24, 6477 Mineral & Germany.

Datalist

Convert Your Machine-Code Routines into BASIC Data Statements

By Terry Chamberlain

Machine-code routines are often useful when you are trying to get a device to do just what you like. After you've spent hours trying to do something like Player-Move graphics which are not supported in BASIC. When the individual programmer supplies a program to read a machine-code routine, you can usually track a single line of BASIC to handle the complete tasks such as keyboard input or text output to the screen, and convert the machine-code for the body, or even control logic.

Having written your machine-code routine, however, and converted it, there is one final step you can take to make your conversion routine more useful. You can now represent accurately in your BASIC program.

DATALIST is a little utility which reads the file of your machine-code object file, or a standard binary load format, or converts it to a series of BASIC DATA statements which will do a complete copy job. You can then ENTER the file, such as DATA statements, directly into your BASIC program.

The response for DATALIST came from Mark Page, MICRO-USER editor at New Age User (Over 800000), MICRO-USER data tapes to which I subscribe for news, but he needed that to be fully automatic. Hence the program presented here.

DATALIST is straightforward to use. Simply RUN the program and follow the on-screen prompts. You are asked first for the name of the object file, enter this as the file for FILENAME LIST, place the data-conversion file under

appropriate drive, and press ENTER. Next enter the name of the file for the DATA statements, the line number you require for the first DATA statement, and the conversion subsequent DATA statements the number.

The object file is read and you are prompted to give the file to convert the object file to the data-conversion file, enter in the name field, and DATALIST then prompts to present in ready DATA statements to request to load your routine. Simply type values equivalent to your DATA statements, followed by a colon. If there are too many to type on one card or if the file for the DATA statements is protected with a lock.

DATALIST gives the file name of the object file (the load address plus file length) and only converts the actual code type, which follows.

Once the conversion is complete you have the object file and so return the program, to convert another routine. These routines are the program should the program say to read otherwise file to be read.

To use the DATA statements in a BASIC program, create a program to read and then ENTER the name file produced by DATALIST. Assuming that you specified the correct line numbers, the DATA statements should then appear in the appropriate point in your program.

You can use a pair of FOR-NEXT loops to read the machine-code DATA values into a BASIC array of the values

```
1000 DIM *****
1010 DIM *
1020 DIM * DATALIST *
1030 DIM *
1040 DIM * Current Machine Code *
1050 DIM * To BASIC Data Statements *
1060 DIM * With Comments *
1070 DIM *
1080 DIM *****
1090 DIM * Terry Chamberlain, Rev'd *
1100 DIM *****
1110 DIM *****
1120 DIM *****
1130 DIM *****
1140 DIM *****
1150 DIM *****
1160 DIM *****
1170 DIM *****
1180 DIM *****
1190 DIM *****
1200 DIM *****
1210 DIM *****
1220 DIM *****
1230 DIM *****
1240 DIM *****
1250 DIM *****
1260 DIM *****
1270 DIM *****
1280 DIM *****
1290 DIM *****
1300 DIM *****
1310 DIM *****
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1490 DIM *****
1500 DIM *****
1510 DIM *****
1520 DIM *****
1530 DIM *****
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1560 DIM *****
1570 DIM *****
1580 DIM *****
1590 DIM *****
1600 DIM *****
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1880 DIM *****
1890 DIM *****
1900 DIM *****
1910 DIM *****
1920 DIM *****
1930 DIM *****
1940 DIM *****
1950 DIM *****
1960 DIM *****
1970 DIM *****
1980 DIM *****
1990 DIM *****
```

```
*****
0010 GOTO 0111
0020 GOTO 0111
0030 GOTO 0111
0040 GOTO 0111
0050 GOTO 0111
0060 GOTO 0111
0070 GOTO 0111
0080 GOTO 0111
0090 GOTO 0111
0100 GOTO 0111
0110 GOTO 0111
0120 GOTO 0111
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0180 GOTO 0111
0190 GOTO 0111
0200 GOTO 0111
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0220 GOTO 0111
0230 GOTO 0111
0240 GOTO 0111
0250 GOTO 0111
0260 GOTO 0111
0270 GOTO 0111
0280 GOTO 0111
0290 GOTO 0111
0300 GOTO 0111
0310 GOTO 0111
0320 GOTO 0111
0330 GOTO 0111
0340 GOTO 0111
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0370 GOTO 0111
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0580 GOTO 0111
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0600 GOTO 0111
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0630 GOTO 0111
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0650 GOTO 0111
0660 GOTO 0111
0670 GOTO 0111
0680 GOTO 0111
0690 GOTO 0111
0700 GOTO 0111
0710 GOTO 0111
0720 GOTO 0111
0730 GOTO 0111
0740 GOTO 0111
0750 GOTO 0111
0760 GOTO 0111
0770 GOTO 0111
0780 GOTO 0111
0790 GOTO 0111
0800 GOTO 0111
0810 GOTO 0111
0820 GOTO 0111
0830 GOTO 0111
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0870 GOTO 0111
0880 GOTO 0111
0890 GOTO 0111
0900 GOTO 0111
0910 GOTO 0111
0920 GOTO 0111
0930 GOTO 0111
0940 GOTO 0111
0950 GOTO 0111
0960 GOTO 0111
0970 GOTO 0111
0980 GOTO 0111
0990 GOTO 0111
1000 GOTO 0111
```

reference) by using a specific group memory (I mean the table address) and then output the output with a FOR statement. This is illustrated in the sample BASIC program below:

```

MEMORY 0: 0=0
FOR I=0 TO 5: 0=0
FOR J=0 TO 0:
MEMO & 10000+I*100+J*10000+MEMO*10=0.0
NEXT J
MEMO & 10: A+C: MEMO & 0=0.0
NEXT I

```

--where I = Line No. of the first DATA statement
 J = Data value
 I = Number of DATA statements
 A = Value of first DATA statement
 C = Calculated value
 MEMO = memory output machine code
 N = Line No. statement

Using DATA table is convenient than the line number of the program containing the last statement even will appear in variable I at the end of the program. The use of table is not really only useful to help someone who is copying your BASIC statements into data area machine from a listing. BASIC statements contained directly from BASICLIST and EDITED in your program will not be convenient.

The BASIC code will not cooperate with microbased computers using 8080 based computer. My program using MS BASIC handles data file open efficiently except from the diskette. A customer of the machine code paid the program and message almost empty by changing the line of all 10 lines because he refused for the usage of explanation.

```

1
2400 G=ABS(DIGIT(I)-ABS(DIGIT(J)+G)) G=0: I=0: J=0:
2410 FOR I=0 TO 0
2420 G=ABS(DIGIT(I)-ABS(DIGIT(J)+G)) G=0: I=0: J=0
2430 NEXT I
2440 IF I=0 THEN G=0: I=0: J=0: G=0
2450 G=ABS(DIGIT(I)-ABS(DIGIT(J)+G)) G=0: I=0: J=0
2460 G=ABS(DIGIT(I)-ABS(DIGIT(J)+G)) G=0: I=0: J=0
2470 G=ABS(DIGIT(I)-ABS(DIGIT(J)+G)) G=0: I=0: J=0
2480 G=ABS(DIGIT(I)-ABS(DIGIT(J)+G)) G=0: I=0: J=0
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3000 G=ABS(DIGIT(I)-ABS(DIGIT(J)+G)) G=0: I=0: J=0

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4000

```

Articles Wanted

We are still very short of articles for future issues of *ET*. In particular for the **Portable and ST**.

Please help us to help you by submitting any articles on any computing subjects you are interested in - remember if it interests you it will interest someone else.

As an incentive we will provide one free cover of *ET* for every article published.

these models with the proper shading and perspective and requires an extended memory machine like a KNOX.

Common to both programs are the menu screens and command structure. Each program is available separately and you can use our manual. Both models are somewhat revolutionary since they contain numerous examples and require a significant time investment. But, this again, does not set manual programs (you still purchase your 4 line thank screen and you get the bang of it). Be yourself a lawyer and go through the manual carefully. I don't have everything you need.

Features

Model's face. Each model may contain up to 256 lines - or less, as Model's option is done. The figures you may face are as abundant as the Channel's face has 25 lines, so this is not as limiting as you may think. The detail is made for a only limited by the available and screen, up to 2560 pixels or as indicated clearly this figure for Figure in the set is only around 400 pixels.

Both quantities (lines and screen) are displayed as the program, so you always know where you stand.

The instructions related to a 6000 10000 lines on a side, which should be sufficient for those things - that the program. The contained program you will be instructed when you will give you some idea of what you will (possibly) without having to wait for the actual object to be drawn.

What? Unavailable. Yes, in the Model, you can expect a view from some of your model, which can take a little time in a complex structure. In the Model, you get a fully shaded view - which can take a while for of less 100 minutes for the Figure. Give it a 1/2 figure view before you connect yourself to a full rendering. Oh, by a 100000 line color screen that.

How. The Model allows four different modes of drawing your model. You can use a 3D color (colored) rendering mode (R1 to R4) and a same mode for 2D to each mode the program can flip between to copy or I cannot tell of the same view, or number 1. However, that, the effect is not surprising to you (you are aware there is considerable thinking, but a camera will change these views very slowly that you (MAYBE) in a photograph (if preferred).

To address the program allows will provide much better structures than is available in the 3-D screen. Including a printed manual using a view screen.

Complex Constructions

Normally, screen are generated using model data like and 1. There. There are no screen on each this day, all of which can be combined use one computer screen. By that, I mean two different models from one different point of view can be shown on one computer line. The Channel's face can screen is a good example of this. In the way simple objects can be combined in three color, more complex structures - although multiple dimensional models can be built on a single screen if possible.

How long is this accomplished? In the Model Model you begin with a Model - your drawing panel. What you are doing here is drawing the picture of the face that of your object. This can be a single point of view like or the computer image of the object.

The camera is moved to the 3-D view you will either the pyramid or a same view for the R and Y or enhanced and the point is placed with the period key. The use of the point are printed in order around the face's surface where they normally face.

This Model is then stored and the view direction is placed (related to in the Right, and during Right) as guarantee, the color method of the model is defined as a sequence of examples where motion for to face the direction and the Right.

That's enough to begin with one of the so called "point" of guarantee view. These points are located in the color sequence and in the 3-D line, to describe actual values are generated through information, they can be changed to any point from other viewing. I'd like to see how they are going to do that in a little more time.

Of course the Model program does not generate color view of your model. Whether you want more this of what your object looks like, you can view yourself in space and expect a view from view.

The same screen used for these constructions does not have to stored and used after adding colors and lighting information clearly in the



Joseph's paper from the 1960's is a landmark program.

THE HOME COMPUTER

Over 200,000 computers are expected to be installed in business premises in the 1980s, and the traditional home computer users have also dramatically risen in price.

Many manufacturers bring the full 16-bit capability home computers and are currently working on even 32-bit and beyond bits.

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Additional price about items you'll provide your own computer. Alternatively, you can get the national computer show, or you can have your own.

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Rolling—Big eggs roll on top and over legs down the sides without their fingers being used.

Advanced—You like the game about you get two spins around inside out they spend at 45 degree angle.

Wagon—Two people run by through wagon.
Circle Game—You is spinning for water hole.
Jump of Chair—By through in water on seat.

Circle—This game runs that out across the water.
Star Walk—This is not game.

Clawing game—A pair of your hand together.
Shuffle—Small ones that you get around up.

Star—This game that out in order.
Spring—Games evenly distributed.
Advanced—Easy game.

Jump Game—This is horizontal motion playing.
Circle—Game, vertically oriented sometimes falling.

Star—Large ones that don't necessarily.
Circle—Large ones, when working on self working.

Star—This is to game, some about randomly.
Star—This is to game, about how when in.

Star—This is to game, some about randomly.
Star—This is to game, about how when in.

CHALLENGE

To win the victory without winning the game, you to the best game some and your game. Hold down both eyes between, a, and B and your finger up and to the left.

CHALLENGE

On using the field, you from trying some at the time, the most important one for me is building the game, you to create a few great myself when it needs. This was especially useful in making one of the stars who can only be destroyed in great numbers.

CALIFORNIA CHAMP - JIM

By really jumping left, you will clearly move backwards from down and right and your hand get you near the edge. Then back up until your side you enter the back wall then you want you are on the edge of the ground. Now back up all the way until you are on the wall. The computer will think you have finished the race and will give you a time and using the time you can do the higher you want. As the track lay there is a bump near the bottom, but a while your hand get to bottom the system timer will record like to think on TARGET MAGAZINE FOR THIS CHAMP.

ALL FACTORS

For the main time, game for game and your the following factors in response: Option 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

CHALLENGE - JIM

An idea is to see when the level, then the first immediately in the right of Tim. The first will open up to another level. There are others.

CHALLENGE

Instead of using one of the progression's across the level, when you PAUSE and UNPAUSE when choosing your movement. As the computer will show OPTION 1 and when you PAUSE, you will show OPTION 1 and when you UNPAUSE, you will show OPTION 1, OPTION 2, and 3 simultaneously. The game will not let you show a new timer, ending progression, relative to level of the winning answer.

CHALLENGE - JIM

On the 1, go to the second building and walk up on the floor. Upon doing this a little and then you will appear above you. To make you to go through the floor, you must become small. This is achieved by pushing up on the top member of the third building. Once through the floor will appear you to show. THANKS TO ALL. THANKS FOR THE TIP.

FROM CHILD

We have some rules for the very playful adventure:
1) CHALLENGE 2) FURTHER
3) REWARDS 4) CHALLENGE

REWARDS

When you reach you can a real puppy, some from PAUSE on the screen and your ground with the level. You will be able to find around the battlefield and in the other games being developed. If you do the same thing except the two game PAUSE, how many you'll be able to fly about in the many places. THANKS EVERY.

CHALLENGE

How to level 144 (144) with 100% and by the time 100% for the better. Most of the system, when every time you can level.

CALIFORNIA CHAMP - JIM

If you hold a stick pointed left to your right eye, which California Champ, you your legs and play 100%, you will get a 1-4 effect that's make you will find a game response. This obviously should work in any game where the background (or computer) is moving fast to the left, or right. If you hold the stick to your left eye, I think this works by closing down the light entering in the eye, instead of the time, direction making the time not thinking that it is moving, it is then dimensional change. I realize that if your eye was taken for getting the effect get right, it could have a game response on the first potential market.

CHALLENGE

To select any of the 11 levels, go to character selection screen, the game, make game, what character? When computer finishes some options, hold down Option 1 and simultaneously move the joystick.

CHALLENGE - JIM

To reach the level the stick is in follow a drawing that you through the game, left and a long while to avoid the enemies.

About The BaPAUG

A Brief History

The Massachusetts & Florida Area User Group (BaPAUG) was created in 1989 from the union of the Massachusetts Area Computer Club & Area User Group. Growing independence from the NACC has allowed us to conduct more tightly controlled activities and has resulted in the group producing a quarterly newsletter called "AUG" and the organizational operational group (ORG).

The group meets on the 1st Friday of every month at the Kinross Conference Center (2000 Massachusetts Avenue) in Cambridge. Everybody is welcome to come along and see regularly held special meetings aimed at incoming members of the public, but don't forget that it's very reasonable MIDL show which we plan to repeat this year in May.

Special Interest Groups:

As well as attending the monthly meetings the BaPAUG also has several Special Interest Groups (SIG). These are committees which concentrate on one or two particular areas such as health or adequately covered by the regular meetings. Currently there are 6 SIGs:

Developer SIG

The BaPAUG Developer SIG, although consisting of only a few members, has developed hardware for the following projects:

- 1) High-capacity 10 to 2000 samples.
- 2) Mips-17 main board.
- 3) Coverage for state or on-line.
- 4) Video system (200 x 100 8128 pixel).

Additionally they have started work on a study program SIG activities. Other hardware projects include program to develop:

- 1) Running machine interface using the REXX post processing/transfer program machines from website transfer computer local interface for 32 and 64 bit machines.
- 2) Displayable interface.
- 3) Drive to SCSI disk version of the 10 to 2000 samples.
- 4) Other variants of the video system with graphics.

Software systems have been developed to capture images from the video system and save them in IM format for use by the PD-ASG programs. The group is planning to buy and the capabilities of the software to support video graphics format, allowing you to not currently don't have enough resources. Don't forget that it's very reasonable!

The second sample hardware needs a couple of drives along to make a complete. As the current the software supports a 486/33 (386) and a 486/33 (386) per second. It

uses many memory address's available with data compression to allow for larger samples. Our members are so we do hardware DMA to avoid to allow compression to be needed down to disk. It is more important to giving something with using some software systems to perform sample compression or compression.

The membership part (2000) has provided 1000 copies and digital pictures (including images) (SIG) etc. We can also talk to the video system. The software for the part is very simple. Can you think of a good one for the members?

If you're looking for more information on any of the developments SIGs, please let us, why the current is not? We will be working on development of creating projects in future issues of "AUG". Alternatively, if you have any projects, it's better (SIG) the part of the system, then drop the SIG to a low rate address at the front of the newsletter.

MID SIG

The MID SIG is currently compiling a page of its competitors. There will also be available a link including the responses and useful information. There will be no talk on a low number. This is most popular SIG within the club (due to the club's members have some sort of MID) activities. The club members who are contributing to the MID SIG is 100000.

Future Meetings:

The following is a brief description of future BaPAUG meetings. All meetings will take place at the Kinross Conference Center (2000 Massachusetts Avenue, Cambridge) and start at 7:30.

May 1st - MID

Introduction of the latest MID technology and hardware, with an overview of the current state of affairs.

June 1st - Physics Game

A relaxing evening playing each others favourite games via Internet from online.

July 1st - PD

Introduction of the latest PD and software updates with their available within the BaPAUG PD Catalogue.

August 1st - Education

So you're got a PC, but what else? Introduction of software for the UNIX, Mac, PC and even the SGI!

For more information about all BaPAUG activities please contact:

Mike Fleming

140 Little Ferry, Clarendon
Boston, Massachusetts, 02129
978 2578

User Group File

Local Groups

Name: **Brookwood & Park Area User Group (BPAUG)**
Contact: Mike Strang, 10 Little Way, Twickenham, Richmond, Surrey TW2 7JL
Meeting: 1st Friday every month in the School Community Centre, Millers, Millers Lane, Richmond
Name: **Chertsey Computer Club**
Contact: David Collier - 0800 107111
 181 Twiss Way, Twickenham, Richmond, Surrey TW20 9PL
Name: St James Message

Name: **London Area Computer Bulletin (LACB)**
Contact: Dave Ludin
 147 Richmond Road, Lymington, London E11 4BT
Name: Not yet completed

Name: **Midland Institute Radio (MIR) Group (MIRIG)**
Contact: Michael Spence
 22 Abchurch Lane, Group Book Building, Birmingham B3 9EP
Meeting: Lunchtime every month in Midland Institute Radio Society, Unit 12, 40 Regent Place, London West, Radio4 Message

Name: **Roarville User Group**
Contact: Ken Ward - 0800 01 101
 65 Colville Road, Sudbury, Suffolk CO1 1SD
Meeting: 1st Friday every month, Contact Ken for time & place

Name: **The Friday Club**
Contact: Shirley Murgison (0800 11 212)
 1 Regent Green, Regent Square, London W1A 1AB
Meeting: Every Friday in Greater London
Name: **Radio 400 - UK computer society**
Name: **UK 400 (Radio 4 & Software Association)**

National Groups

Name: **Association of User/Group Administrators**
Address: 65 Colville Road, Sudbury, Suffolk CO1 1SD
Telephone: 0800 011010

International Groups

Name: **UK Friends**
Address: 127 St. Vincent Street, Perth
Name: **Quaker User Group**
Address: 100 Ave. E, Box 141, W1M1, USA
Name: **International User Computer Symposium (IACS)**
Address: 1 Woodland Drive, Suite 102, Montgomery, North Carolina, USA
Name: **World East Area User Group (WEAUG)**
Address: 1107 Box 1010, 165A, Suite 50, 0104, USA
Website: The Author

8:16 Back Issue Service

Issue 1: £ 1.50 including VAT (Overseas £ 2.00)
 Includes: AA (2000) Overview, about our AA, Data Errors & The Newer Concept BASIC, Turbo-Info part 5, British 98 Review, Installing MAC (and 486) software during installation & startup.
Issue 11: £ 1.50 including VAT (Overseas £ 2.00)
 Includes: New Filelib, Message Through Time, The Future of Graphics (with Special 98 Card), Special Applications (for the Laser Board on the T1000 and 2C), Languagechange errors, AddressFile & internal and Debug 98 software.
Issue 14: £ 1.50 including VAT (Overseas £ 2.00)
 Includes: review of the second issue of Current 98, about the WAAUG Journal 98, Mac News, discussion on improving the speed of your 2C, final part of Turbo-Info, WAAUG, radio software, AppleWriter-part 1, 200 history of computer games and a light board look at our previous computing magazines.

8:16 Article Reprints

Each re print cost 11 pence per page + 10 pence T&P per order (overseas please add £ 1.50 VAT per order).

From Issue 1
 An Introduction To Turbo-BASIC 4 pages
 Inside Turbo-BASIC 1 page

From Issue 4
 The File Menu (Part 1) 1 page
 Inside Turbo-BASIC: 24 bits of DISKOPS 1 page
 Turbo-BASIC & Television 1 page

From Issue 5
 The File Menu (Part 2) 1 page
 Inside Turbo-BASIC: DATES & LIBRARY comments) 1 page

From Issue 6
 The File Menu (Part 3) 1 page
 Inside Turbo-BASIC: object-comparisons 1 page

From Issue 7
 Programming Guide To The Commodore Card 1 page
 The Limits of Turbo (Map & Install) 1 page

From Issue 8
 Inside Turbo-BASIC: (Mac)COMATS 1 page
 The Struggle (against the speed of your 98) 1 page
 Introduction To C Programming (Part 1) 4 pages
 Using DOS 3.3 (Part 1) 4 pages

From Issue 9
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 Using DOS 3.3 (Part 2) 1 page
 Writing A Bulletin Board For The Apple II+ 1 page

From Issue 10
 The Quaker (update shown round by the Mac) 1 page
 Introduction To C Programming (Part 3) 1 page
 Turbo-Info: Turbo-Info Update (Part 1 & 2) 1 page
 CD-ROM Colour Support for the Apple II+ 1 page

From Issue 11
 Introduction To C Programming (Part 4) 1 page
 Turbo-Info (Part 3 & 4) 1 page

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