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The Bourne Again and Pook Atari User Group's Newsletter



BAPUG

50p

November 1987

Issue 1



Reviews :

Planetarium

Midnight Magic, Stargate, Salaria
Start - The ST Quarterly
Four! Great Games Volume II
Henry's House
Gnome Ranger

Programs :

STBUF - A printer utility for the ST & S-bit owners.

L: Device Handler - A program from Page 5 revisited.

-Contributors-

Chris Ross	Editor
Stephanie Watkins	Graphic Co-ordinator
Thomas Hobbs	VCS & 8-bit Reviews

-How to contact us-

Letters and articles should be sent to:

814, c/o 261 Wandsworth Road, Dulwich, Peckham, London.

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This issue of 8:16 was produced on an Apple Macintosh Plus using MacDraw, MacPaint, MacWrite and PageMaker. Chapter was produced via 'Tomy' the laserprinter. All drawings were produced using the Atari 1020 protocomputer with an Atari 800XL and using the L: device handler.

It is hoped that future issues will be produced using the Atari ST using Calligrapher (when the money for the software becomes available).

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-Start Here-

Welcome to the first issue of 8:16, the Northants and Peckham Area User Group's Newsletter. This is a new publication dedicated to supporting all Atari computer systems. We are aiming mainly to support the 8-bit and ST range of machines, but will also offer support to the VCS and PC when necessary. We also intend to cover all the aspects of computing. This issue has reviews on three VCS games, Planarians, a re-released program just re-released by Atari for the 8-bit and an START the ST magazine and disk from AMTEC Publishing. Also included are two programs. The first is a review to an 8-bit program originally published in Page 8, the second for 8-bit and ST owners which turns the 8-bit into a printer buffer for the ST. Finally there is a roundup of the software released over the past few months.

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-Editorial-

The success and survival of any publication, especially user group newsletters, depends upon many factors. The most critical factor being the quality and style of the articles enclosed combined with their interest and usefulness. On top of this is the requirement for something unique and different, something this publication does or can give to make it stand out from the others and therefore worth purchasing.

I hope this, the first issue of 8:16 meets these requirements, without losing the balance required when covering several different computer systems. No matter how well the contents appear to be balanced to the people who produce the publication, it is the readers who have the final say. If the contents are good, it will sell. So please read on and let us know what you like and what you dislike, so that we can represent your requirements in future issues.

See you in issue 2.

Notice Board

Atari Workstation

During the IFA show recently held in London, Atari showed approximately 30 software houses in its product plans. Detailed within these plans is the 2800 computer workstation, recently completed by Heidelberg under commission. Also to be made available are development tools which require the Mega 27's. Full details for both projects have not yet been announced. Atari workstation will run the 2800 at 10MHz, have 4 Mbytes of main memory and 1 Mbyte of video memory with four colour video operation. As with all Atari, features the expected price of the workstation will make it competitive to rivals.

ATARIS IN GERMANY

Do you want to own a 2002SE or 2005T?

Yes, then you'll have to import one from Germany (or compare if you prefer). Because both these models are available there. The 2005T everyone knows about, while an advert for the 2002SE recently appeared on the back page of Happy Computers Atari Special. It looks just like the 1300SE, but is presumably without the extra 64K bank of memory if anyone owns one or has used one, we shall be pleased to hear from you.

Drop my ST!

In the August 1987 issue of Byte, author Peter Bestoff's author's message from London Qyer of the Atari Corporation in response to a problem. The problem was a fault with a 2002E and 2002SE system, which always indicated zero bytes contained in zero files. London states that the problem is most usually related to a purchased or mislocated glue chip, and his first solution is pick up your 97 and drop it about three inches to the table. More worrying in his statement that this is a bread-and-butter technique in our Forensic manufacturing plant - What London's second suggestion is much safer, this being get your dealer to reseat the chips for you. This episode is by far the safest!

New ST OS

The developers of the 286STPM have a new version of the operating system. Within the package is a note titled "Important", which reads:

This Atari ST Computer's AtariTech the Atari Operating System ROM Version 1.00. This sophisticated version of the operating system and has been introduced to facilitate your ability to upgrade to future products such as the Atari 386.

Please ensure that you purchase software compatible with the operating system version. Many Atari studios have advised of the few titles that are incompatible with the report. The authors of incompatible software products have been informed and will be releasing compatible versions.

Keith Campbell of the Computer Shop (Puchons) has used his 286 ST titles and found 23 which will not work. He has also been unable to obtain a list of the incompatible titles. Some of the titles that failed are: 3D Cities, The Fox, The Fixing, London Board, Jackson Jones & The Temple Of Doom, Road Racer and all the Oregon games (including Avoided and Exodus). The percentage of titles that failed is a lot higher than that indicated by the note.

The reason described above, according to Keith Campbell's working title with Atari, is being the software houses to blame. The story gets like this: Within the memory map of the ST is 128K of RAM reserved for future use. The software houses were told not to use it, but wonder to question more out of the market they did. The new operating system now uses this memory. Key press, a crash is requirement and the system crashes.

Atari User Christmas Show

This year's Atari User Christmas Show organised by Denise's contributions is once again being held at the Champsale Suite of the Novotel in Hammersmith, London. The dates for the show are Friday November 13th to Sunday November 15th. Doors are open to the public from 10am to 4pm Friday and Saturday and from 10am to 4pm on Sunday.

There should be plenty of interest for all Atari users and we will print a report in issue 2 of 8:16.

I must agree with Lee Elfringham of Page 5 that a new show or one of the current shows should be held in the north. I know this magazine is written for us in the south to attend, but feel it will be better for those users who live in North England and Scotland, who currently have to travel down to London.

- Planetarium -

(Attr. XLOCE.Gib)

At a program for people who own a telescope. But no, this program is for those people who don't own one. Because with planetarium you can see the sky like you never could with your eyes only. Planetarium will show you the regular cyclic positions of the major objects within our Solar System and has a database of 1200 stars, all 88 constellations and more than 300 deep-sky objects.

The program is supplied on a disk which has to be loaded with BASIC. This one contains the program while side two the astronomical data. Included within the package is your warranty card and a manual - and what a manual! 120 pages in a ring binder. You have

to read it first, because it gives you all the details you need to know about life, the universe and everything. It is just like the backfitter's guide to the galaxy, but this time for real.

Okay, let's go. I switch on the drive, put in the disk and turn on my trusty word job computer. It says welcome, that it takes a couple of minutes for the data to load and I tell you they are not joking. The drive is spinning round and round like in the last thing in my life. But finally, there it is, the main table position. Two

blocks of the screen contain the sky picture and the rest a lot of numbers and letters. The program always starts in the year 1985, so you have to change the year, month, day, time and because every time the program is run. To do this you use the DIRECT key to toggle through a menu. This menu gives you the ability to select different functions on earth, to change the time and date, to display the sky as seen from earth or display the sky as an astronomical star map.

With the date set (the program allows you to go back ward or forward in time about 10,000 years), select the sky mode and there it is, the sky tonight. You can now move the cursor over every star you see and by pressing HELP the program gives you

depth such as name, what it is and how far away it is. Yes, the good old HELP key comes in useful after all. When you press START you can search for the moon, sun, planets, Halley

(if he is around) and constellations like Aries, Hercules and the Water Mouse. The OPTION key lets you change the settings like lines, colors, names, symbols, marks and sound (gives you a little space ship and the special Atari word sound instead of a cursor). You can also select deep sky which lets you go even further and study the universe. As well as using the function keys you can also use the letters M, N, W and E for north,

south, west and east, as well as <LEFT> and <RIGHT> for printing the maps to either Atari 5200 or EPSON FX-80 printer.

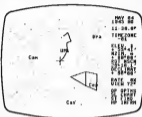
The very good manual provides you with a guided tour through the program and the universe, thus enabling you learn about both in an interesting way. There are also sections covering past, present and future astronomical events, the history of astronomy, an overview of colonial and postcolonial navigation,

space exploration and a table of stars and planets giving their latitude and longitude coordinates. They also list the 'near stars and the brightest stars' telling you where to find them, and the constellations in their English and Latin names. When you go back - and you will, they also provide a lot of further reading.

The program is a must for anyone who is interested in the galaxy and even if you don't know too much about

space (like me) you can get hooked and want to see and know more about it. And the stars right for romance tonight? Get the program and find out, while me, I'm just leaving the solar system behind.

Thomas Richter



VCS Reviews

-Midnight Magic-

(Amm - £12.99)

Midnight Magic is a normal pinball machine game. The colours and sound are very good for a VCS version and the gameplay is, well, let's face it, more so, for as a pinball you can get hooked on after a while.

There is really not much to say about a pinball game, except that this is the old David's Midnight Magic game from Broderbund released in 1982 for the Atari 8000 Atari, converted to the VCS.

The strategy is to shoot the targets with the arrow, to light the lamps, to get the lockers and score points. When you hit all five targets the score multiplier increases and you can go for the top roller-which will activate ball. The first time played the game I hit 150000 points.

Overall it's an easy game for people like me to play and its different. You can relax and have some fun on the side of you are of age). So, this is one for me.

Thomas Holzer

-Solaris-

(Amm - £12.99)

VCS games are best and they're better than ever. The game, Solaris, is a basic shoot 'em up with a bit of Star Raiders, Moon Patrol and Xarcam.

The Zylon's are back, it says in the manual, so hop into your spaceship, rev the engine and go. Oh, and remember - if anything flies your way, blast it.

I like this game, its fast, easy and colourful. The plot is to find the lost planet Solaris and hyperjump from quadrant to quadrant to fight these evil Zylon's. On your journey don't forget to pick up the stranded pilots on the enemy planets. Once you're rescued from these space planets, wipe out a formation planet to reflect get repairs done. Fly over a corridor and shoot those Guardians, pick up the key and if you make it through the ion door you can blast another Zylon planet.

You start with three fighters and can earn an extra 5 pilot when you rescue the lost pilots in the sector. The game ends when you find Solaris or you run out of fighters.

Overall this is a good game for the VCS machine — more please.

Thomas Holzer

-Stargate-

(Amm - £12.99)

First of all, Stargate is a defender clone, then are homeworlds, smart bombs and landers. You also get to shoot those evil aliens again.

Secondly, you need two joystick to play the game. One for maneuvering your ship, the other to activate the smart bombs, mines and hyperjump.

So now to the story, by the way this game is already three years old and has just been re-released by Amn. The aliens are attacking your planet and kidnapping your fellow countrymen and it is up to you to pilot your ship across the landscape, destroying the invaders and rescuing as many homeworlds as possible.

The graphics are very good and colourful and the sound is crystal clear. On the screen instead of you a heli-heli area and your scanner, which can show you where the homeworlds are in danger. On shooting the invaders or rescuing your comrades, your ship will increase 'stargate' for immediate hyperjump into that sector. This space is the only real difference between this game and defender.

If you are in trouble you can use mines to make yourself invisible for about two seconds, or more accurately, hyper-jump you into space every and finally some unknown location on the landscape, for a time or full of invaders.

There are nine different aliens that attack you and of course, the homeworlds you find to rescue your own planet. You can hear their screams as they are being rescued by lander.

So enjoy this a fly in the sky, save the homeworlds and kill the alien-type game, that will not go into any VCS collection. Buy it.

Thomas Holzer

Do you own a VCS machine?

Want to see your name in lights?

Then send a review of your favourite cartridge to:

8:16
c/o 248 Wimborne Road,
Oakdale, Poole, Dorset.

-L: Device Handler-

Issue 13 of Page 6 was a program (written by David and Mary Lynch) which inserts a device handler called "L" into the device handler table. The L device gives you the ability of having programs to do the IEEE preprocessor at its full column mode by opening LIST "L". The only problem and a major one is that, at this time, will not work with the XL and XLX range of 8-bit Asics. Issue 13 of Page 6 produced a solution to this, this being to add a line to your BASIC program, as follows:

```
IFNOT OPEN #1, #A, "P:", "R:", "RAC">#ESC<
<CNTL>#* #PDRK #E, #LIST:CLOSE #1
```

This is for your program (plus the line) in the columns of you need to do it type GOTO #END. This is fine if you are just BASIC, but it will not work with PLOT, Assembler Editor etc., so why does the L device fail to work with the XLXX range. The answer is that was rather simple and quite easy to fix.

The original L device had had coded the addresses of the P device into the L device table. These addresses changed as the machines they pointed to were moved during the OS events (though the device handler table stayed where it was), due to the L device will jump to the wrong code in the XLXX range.

Listing 3 is an Assembler Editor version for a hard coded version that will work with the XL range. This is still not the ideal solution, but for anyone using just the XL range it is OK (I do not know if it works with the XLX).

Listing 4 is a more professional solution. This copies the P device table into the L device table, except for OPEN which requires the new routine LOPEX. The addresses required by the routine LOPEX are taken from the P device table - note that one has to be added to the vectors within the device tables as noted in the format "address - 1". This is done by using the addresses from the P device table, increasing them by one and then store them into the LOPEX routine when required (see lines 1700 to 1900).

Listings 1 and 2 are the BASIC loaders for listings 3 and 4, for those of you without an assembler. If you have the Assembler Editor cartridge type in listings 3 or 4 and assemble using ASM, #D:447:EDITW.SYS.

Please note you load your system with the device L device will be installed.

Colin Hunt

```
1000 REM SETS UP L: DEVICE HANDLER
1010 REM by David & Mary Lynch
1020 REM
1030 REM modified for XL
1040 REM by Colin Hunt
1050 OPEN #3, #A, "D:\RAC\OSLW.SYS"
1060 TRAP #ERR
1070 FOR J=1 TO #ERR#
1080 READ INPUT #3, @
1090 NEXT J
1100 CLOSE #3
1110 END
1120 REM
1130 REM Load vectors,
1140 DATA 255,255,100,0,255,0
1150 REM Initialize location pointers.
1160 DATA 100,12,110,100,0,100,13,110
1170 DATA 100,0,100,101,100,13,100
1180 DATA 0,100,10,10,10,10,10,10
1190 DATA 0,100,0,100,10,10,10,10
1200 DATA 0,100,100,100,100,10,100
1210 DATA 100,100,100,100,100,10
1220 DATA 0,100,100,100,100,10,100
1230 DATA 100,0,100,10,100
1240 REM "L:" vector table = #L, #0,
1250 DATA 100,0,0,100,100,100,100
1260 DATA 100,100,100,100,100,100,100
1270 REM Device "L:" Open routine,
1280 DATA 10,100,100,100,10,100,100
1290 DATA 100,10,10,100,100,100
1300 DATA 100,10,100,100,100,100
1310 REM #PDRK vector for SYSTEM RESET.
1320 DATA 100,10,100,10,100,0
```

Listing 1: BASIC loader for XL L device.

```
1000 REM SETS UP L: DEVICE HANDLER
1010 REM by David & Mary Lynch
1020 REM
1030 REM modified for 68010
1040 REM by Colin Hunt
1050 OPEN #3, #A, "D:\RAC\OSLW.SYS"
1060 TRAP #ERR
1070 FOR J=1 TO #ERR#
1080 READ INPUT #3, @
1090 NEXT J
1100 CLOSE #3
1110 END
1120 REM
1130 DATA 100,100,100,100,100,10,100,10
1140 DATA 100,100,100,100,100,10,100,10
1150 DATA 100,100,100,100,100,10,100,10
1160 DATA 100,100,100,100,100,10,100,10
1170 DATA 100,100,100,100,100,10,100,10
1180 DATA 100,100,100,100,100,10,100,10
1190 DATA 100,100,100,100,100,10,100,10
1200 DATA 100,100,100,100,100,10,100,10
1210 DATA 100,100,100,100,100,10,100,10
1220 DATA 100,100,100,100,100,10,100,10
1230 DATA 100,100,100,100,100,10,100,10
1240 DATA 100,100,100,100,100,10,100,10
1250 DATA 100,100,100,100,100,10,100,10
1260 DATA 100,100,100,100,100,10,100,10
1270 DATA 100,100,100,100,100,10,100,10
1280 DATA 100,100,100,100,100,10,100,10
1290 DATA 100,100,100,100,100,10,100,10
1300 DATA 100,100,100,100,100,10,100,10
1310 DATA 100,100,100,100,100,10,100,10
1320 DATA 100,100,100,100,100,10,100,10
```

Listing 2: BASIC loader for non-machine dependent L device.

-START The ST Quarterly -

As the more PCW show I purchased three copies of START the ST Quarterly, the dedicated ST magazine and disk produced by Amic Publishing, at three different prices of £6.95, £9.95 and £12.95. With the recommended price being £12.95, is this magazine really worth a £ 1 hope discussion of what I found in the Fall 1987 issue convinces you that it is.

First the Magazine

START is of the high standard expected from Amic Publishing, and covers all aspects of ST computing. There are no listings, so you have to put them yourself if you want to add them to your own issues. This also means that the articles take on a rational user guide format without there being any code walk through, which is a pity as that is by far the best way of learning.

Along with the articles required to run the programs on the disk there are also articles that do not require any programs (just like any other magazine). Within this issue there are reviews of Fleet Street Publisher/VP Professional, three hard disks - the Acorn System HDs, the Supradrive and the Atari HD004, and four MIDI guide editors - CZ Patch, CZ Android, Perfect Patch and SX Heaven. There is also an article detailing the results of a chess tournament between Chessmaster 2000, Pace Chess and Tacitman. The final ratings for these programs being 79%, 21.9% and 17.9%. Also included is a light hearted article entitled 'How not to run a computer store'.

The magazine is roughly split 50/50 in favour of the article. As well as the articles being very interesting the adverts given great insight into the products that will be soon available because of the UK and thus should not be ignored because of their American only slant.

.... now the disk

Firstly to list the programs on the program disk are all the contents of this that determine whether you buy the next issue or not. Before you can use the programs you need to convert them as they are stored on the disk in the Archived (compressed) format. This will take about one evening and 2 or 3 blank formatted single sided disks. If you have a RAMdisk set up, as this will save a lot of time. There are 101 files on the disk contains several different files, these including the executable code, data files, instructions and sometimes the source listing.

Are the programs careful and of good quality? The simple answer to this is yes, but I will expand on this. The programs within the Fall 1987 issue include graphic editors, a word processor, a calculator and an astronomy, a game and some benchmark routines.

By far my favourite program is Paint Pro, a 'practical pixel processor' which enables you to manipulate NEochrome or Dega compatible pictures. You can modify the RGB components of the picture palette and work on the picture following different graphic modes (eg. 1 colour 16 shades, 2 colours 8 shades etc). Among the special effects available are 'chuckity', which expands the colour palette into a 16 or 36 shades. You can also rotate, mirror and stretch colours. In my opinion this

program is worth the £12.95 on its own. The only thing missing though is the source listing which is only available in Computer.

My second favourite program is STwriter version 1.73. This is an exact copy of Atariwriter available on the 8-bit range of Atari and if like me you've upgraded to an ST and are already using the original, STwriter may well be a welcome addition to your ST library. All the commands are identical, with the addition of one very useful feature, a routine enabling you to port Atariwriter files into STwriter via the EIO interface (if you have one) and a small mouse cable. Included with the program is a program which will count the words within your documents, a full blown manual which you need to print, a quick reference guide and printer configuration files. Once again this program could also be worth the whole cost of the magazine.

Other programs available on this disk are Graphix and 3DGraphics, two programs that allow you to plot three dimensional functions, you load a school, water etc or a three dimensional style. The source program for these programs is written in Pascal and are available on the disk. The single game on the disk is called Skytyard, and is a exact copy of freeware (listed on the disk magazine PASTER, Volume 2 Number 3 is listed). Skytyard is written in C/P4 Basic with the source code available on the disk. The first 'useful' program is a disk accessory called the START Calculator. Oh no, not another calculator? I hear you ask. Well yes, but this one is quite different, so it's an exact copy of Texas Instruments TI-30 programmable scientific.

The final two files on the disk are the benchmarks used in evaluating Mark Williams C Compiler and Kana's K-600K transport.

.... and finally the conclusion.

Overall the magazine is well balanced and provides enough information to supplement the disk. All the articles are very informative, interesting and easy to read.

Overall all the usable programs are very good, with Paint Pro and STwriter standing out. The other two areas of START that I like (Winter 86 and Summer 87) are also of the same high standard and are all worth the £12.95 price tag, though if you wait until the next computer show you may get some back issues cheaper. If you're simply minded of buying magazines know if I like them, I subscribe and my subscription for START is currently being in way across the Atlantic. This magazine is a must for anyone serious and in ST computing.

Colin Hunt

**BePAUG meetings are held on the
1st Friday of every month at
Kinson Community Centre,
Penhams, Millname Lane, Kinson.
Starting at 7.30pm.**

- STBUFF -

(A peripheral for the ST)

After five years of owning an Atari 800 and two years of owning an Atari 1050, I've succumbed to the temptation and bought an Atari 1050 EPROM (at \$299 - just couldn't resist!). So now I see my new machine in a constructive manner, but what? Without a compatible printer, debugging any program is going to be a pain. I can't afford another 1200 and I'm not going to sell my other two machines as I'm phased out. What a nuisance, I have a printer for sale, the Atari 1020 mono/globe, so slow but adequate for the job. Maybe I could use that, but how? Well this article describes how I did it.

When asking the ST to produce a listing the output is processed at the parallel port. This port is a set driver connection port, supporting only the STBCOM and BUSY lines (along with the required 5 data lines). When the ST wants to send information to the printer it first checks that the BUSY line from the printer is high. It will poll this line for about 40 seconds to low (indicating that there is no printer connected). When the BUSY has been detected as high the ST sets up the data bits and toggles the STBCOM line low. This latches the data into the printer input buffer. At this stage the printer may poll the BUSY line low in order to give itself enough time to print the character before the next arrives. This sequence of events will continue until either the file has been printed or a timeout has occurred.

In order to be able to recover (EBCDIC) had to emulate the behaviour of a printer using my 8-bit Atari and convert ST character codes into 8-bit character codes. To do this I needed a cable to connect the two machines together and some software, within the 8 bit. The cable required nine inputs and one output, these requirements being easily met by the two available joystick ports. Figure 1 shows the cable required. I built the cable using two lengths of 4 core cable, about 6 inches long, with two double 4-way D-sockets and a male 25-way D-type. In order to get the length required between the two computers I brought two joystick extension leads, though you could build the cable the required length if you want. None of the components required are difficult to obtain, both Tandy and Maple stocking almost everything you will need. The joystick extension lead you will have to obtain from Tandy.

The joystick detection lines all go to the peripheral interface adapter (PIA), which on power-on is configured in output mode. These pins can be changed by a program to any mixture of input and output. For my application bits 0-3 needed to be input lines (DATA 0-3), while bit 7 an output line (BUSY). The PIA is mapped into addresses \$C000 - \$C0FF (\$6005 - \$6271). Only the first 4 locations are actually required, as they are repeated through the rest of the page. The last two locations are called PORTA and PACNTR. On the XL/XE chips the second port is used to control the memory mapping, while on the 486/500 the second port looks after the 3rd and 4th joystick ports.

To program the joystick port you first have to tell the PIA you are going to make control changes by writing bit 2 of PACNTR to zero. You then write to the port (PORTA) with each bit representing a direction, 1 is for output. That is set bit 7 as an output, leaving bits 0 and 4 as inputs you have to write 10000000 (80). You then tell the PIA to go back to normal mode by

writing bit 3 of PACNTR, thus enabling you to read and write to the port normally.

The two joystick triggers are mapped into memory addresses \$0010 (\$3004) and \$0011 (\$3005) respectively. These memory locations are called TRIG0 and TRIG1 and can only be used as inputs. I've used TRIG0 as the STBCOM input and TRIG1 as the last data line input (DATA 7).

The software used is based in Listing 1 to 5. These programs do not provide a full blown printer buffer utility. In order for it to work with your printer you will probably have to write your own 'interface' routine or modify the given. The routine can either operate as a stand alone program or within the main routine. Examples of both are provided, the stand alone routine being the buffered 1020 while the default routine is the unbuffered version (see lines 340 to 350 of Listing 1). If you are unable to produce your own routine I have added an option that will transfer the printed file to the 8-bit disk. You can then use a wordprocessor with any changes required. Remember, if you decide to emulate your routine within the main program a buffered version will be limited in its buffer size unless you use a RAM disk or disk drive as temporary storage. The graphic dump routine, option 3 and 4 within the main program, will be provided in a later issue of E-M.

Listing 2 produces the object file D-STBUFF.OBJ which is loaded in by the main routine. The source listing for this is on page 14. If you do modify the routine you will have to change line 1260 to $^* = 8000$, as this was changed in order to produce the listing using the L2 device handler. They both occupy the same memory. This routine will return the character number as X if no connection occurred. If a connection has occurred it returns a value greater than 255.

If you wish to use your own routine, or make improvements to these, let us know and we may print them in future issues. Improvements to these already in the pipeline include re-wiring the routine to accommodate:

Cable Plan.

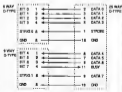


Figure 1 - STBUFF Cable.

-Gnome Ranger-

Level 9 - ST - £14.95

Gnome Ranger is the latest adventure from the Austin family collectively called Level 9. The adventure is supplied in a case very similar to a double cassette box. Within the packaging is the disk and a diary written by Ingrid Dolanlow our heroine.

The disk is dual formatted, that is, it will operate with both single and double sided drives. When used with a double sided drive additional pictures are available. Owners of ST's with only single sided drives can purchase a picture disk containing the additional pictures for £2. See the READ ME file included on the disk for details. You can also obtain free of charge a checklist by sending the cover and a self addressed envelope.

The diary details the days from Ingrid leaving the Institute of Gnome Economics to the day her father gives her a scroll as a reward for all she has done for them. The first thing you will notice about the diary is the gnomes at the days. The week starts on Sunday and then continues through Monday, Tuesday, Wednesday, Thursday and Friday to Saturday. Reading the diary you soon realize why her family are so eager to get rid of her!

This adventure has all the latest adventuring features including multi player puzzles, characters with their own lives and high level commands. These commands include means to follow other characters and move to other locations quickly. The two ways of moving quickly are run to location and go to location. The first takes you straight to the named location, while the second describes the route taken. To use these commands you first need to work out the location gnomes. Try guessing possible location-gnomes using the 'go' command, you'll soon find several locations you may be interested. As well as being able to go to a location you can also go to an object. Great if you've dropped something and forgotten where. Once again you can find objects by guessing object gnomes.

The fact that you can go straight to locations you haven't visited or go to objects you haven't found seems a bit silly. But as the adventure depends upon getting other characters to do things for you, the time saved not wandering around looking for that bridge is a good send. These commands also reduce the amount of mapping required, which is another major advantage.

The adventure starts with Ingrid waking home after being teleported into the wilderness, far from home, by a faulty scroll. Remember the gift from her father. Your job is to make sure Ingrid gets home while sorting out the evil witch. This is accomplished via three mini adventures, each having to be

solved before you can move on to the next.

The screen is split 50/50 between the picture and text, though you can move the picture up and down using the mouse, thus allowing more text to be shown. Here comes my first complaint. The text is in 80 columns and on my television is difficult to read. It is a shame that a 40 column option could not have been included, without the pictures if necessary.

The description, as with all Level 9 adventures are well detailed and add greatly to the atmosphere. The pictures are nice but not really unnecessary and after a while become boring.

I will not detail much about the contents of the adventure as its gnomes will do the work to run your fun. So in order to detail my second complaint lets assume I've been wandering around for a while and eventually end up on a grassy plain. Lets examine something, examine grass. The program responds with 'You don't need to use 'grass' to touch the part of the game. This message appears whenever the program does not recognize something. Does this, in our example, mean the grass will be required later on in another section of the game, or is it a way of saying you don't need it at all. What ever happened to the 'the grass is green and uninteresting' type of response.

One of my grudges against most adventures is the inability to see what is in the receptacle, not just the last two or three moves still shown on the screen. This has been overcome by the inclusion of an input text buffer which you can step through using the cursor controls. As well as this you can edit previous commands and re-execute them. Also included is a multiple copy command which will take you back through the input buffer. Thus, you can try a campaign to solve a puzzle,

fail, undo your moves and try another approach.

I've deliberately limited the amount of information supplied about the puzzles and the characters you will meet. This is because the adventure is such a pleasure to play and is full of amusing responses that each individual should start with his knowledge about its content. The review is intended to show you how it feels to play and thus convince you to buy it, as this is the best yet from Level 9. Oh yes, one more thing, all the words beginning with 'begin' with 'go. This is something you enter into of love - its up to you.

Colin Hunt.



-Four Great Games Volume 11-

(Microsoft - £3.99 each cassette, £5.99 disk - 3 Btl)

Here they are, the best of, the super best of and you the super megabest of. Yes, four great games for your Atari, but I have to say they are not so great. I mean, okay, at last they seem to bring out these competitions, so maybe its a start.

The first game is *Who Dares Wins II*. Its a Rambo type shoot all and everything kind of game. You fight your way through various levels and fire your fellow officers, if you can or dare. The graphics are under average and so is the sound, though the music is a little tune you can tune along to. Thats about it, thats, nice 99.

The second game is called *Space Hawk*. Here you guide your gunship over some terrain in space and blast everything that comes your way. Progress is the next level and start again. Golly, I have a better blast 'em up collection on my VCS with better graphics and better sound. Next please.

Alright, lets see. Oh yes, now we have a game called *Mouse Trap* (trying to do with the old Calico version). Its a platform and ladder game, its fun and the best game from this collection. There are 22 screens to master and a few bugs, but who cares? Marvin the Mouse must search for his favorite food, a wedge of golden cheese, whilst avoiding all the obstacles on his journey. The program is not the very best, like it seems to be, but its good clean fun. the graphics are simple (including the bugs) and the music once again is a little 99-9-99.

This one you should give a try.

The last game on the double tape is *Killer Cycle*. You'd expect death on two wheels with blood and guts. Ha, won't you be it for a synaptic. Remember around, an old VCS game. Thats right, two lines on the screen, longest surviving line wins. Well, hence that game again with the only difference being with the number of players, now increased to four. You can, if you want, play against the computer. This game is most definitely second best.

For £3.99 you can not expect the best games ever produced and anyway for that price its not much of a loss. There is some promise here (especially with *Mouse Trap*) and I hope Tyntsoft continue to support Atari in the future. Watch out for the new *Winter Olympiad '88* available soon.

Thomas Holzer

Issue 2 of 8:16 will be available
at the end of February 1988.

To reserve your copy send 75 pence
to 8:16 with your name and address
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-Henry's House-

(Microtronix - £1.99 - Tape only - 8 Btl)

Microtronix, one of the leading software companies for budget priced games have just produced another classic. The name of the game? *Henry's House*. Its a platform and ladder game and before you say 'oh no, not another', let me tell you this is the best platform and ladder game since *Miser 2049er*.

Little Henry, one of the royal children was playing in his father's laboratory. His father has just invented a new potion and Henry could not resist the challenge and took a small sip. Now he has shrunk and is only 6 inches tall and has got himself locked into the clothes cupboard. You have to help him find the key to get him out and then get him back to full size. Thats the story so far. You then guide little Henry through the royal household avoiding all the obstacles like the terrible mad-brush, stamping boots, flying eggs and much more. You must collect all

the items in each screen in order to get the key for the next. Once you have completed one level the picture changes and you see little Henry coming out of the door, down the hallway and into the next door (Gee).

Nearly made, the graphics are very good and detailed. The music is short but superb. The special effects are cooling special but they do there purpose for the gameplay. There are eight levels to complete and if you die you just press the fire button to start within your current level. Very good for training and so you get the chance to see all levels, some of which are very funny. If you want a good game which is not so difficult to play, but will give you many hours of entertainment this is one for you.

Thomas Holzer

-User Group File-



If you would like your User Group to be included within our User Group File, please send the following information to A 16 (address on page 1) :

The groups name.

The contacts name, address and telephone number.

The number of group members (Amen members if a social club).

Membership Fee.

Meeting place (if any) and dates of meetings (eg 1st Friday each month)

Name of any newsletter and release dates.

Special interests within the group.

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