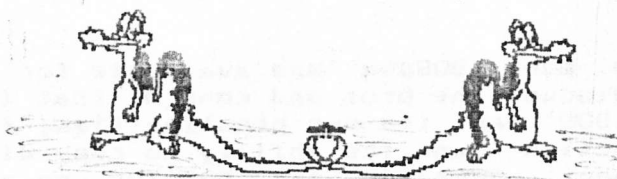


The Newsletter of the National Dragon Users Group

DRAGON



UPDATE

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The Gaffer's Bit . . . . .

I've just been reading our Robin's Editorial Bit, and I think I ought to feel insulted. To suggest that I would be even consider "making it into Downing Street" is about as insulting as anyone can get!. Personally I don't care which bunch of professional parasitic liars wins the election .... there's absolutely no difference between any of them ... all power mad, greedy, and would like to be corrupt but they're too incompetent!. Whoever gets in we'll be lied to, taxed, swindled, and legislated against, so what does it matter?.

I won't bother to comment on the Great Dragonfire Takeover .... you'll get enough of that from Robin and Mike, but so far as I know all stock has now been transferred, so orders as usual but to the new address.

Ossett? .... about the only useful thing I can say is that if you can possibly get there, do so. Ossett has always been a good place for the bargain hunters, and this year's show should be no exception, so don't miss out on the chance to have a good day out AND save yourself some money at the same time!.

News for those of you still looking for DOS cartridges ... P.S.E tell me that they now have a good supply of new ones in stock, both complete and in kit form, so look them up at Ossett!.

Other than that there isn't a lot to report right now, so I'll just apologise to everyone who had to wait longer than usual for replies to their letters/orders .... illness caused a mail backlog that I still haven't quite cleared .... and leave you to get on with the more interesting stuff. Now read on .....

*Paul G.*

The Editor's Bit . . . . .

By the time you read this it will be spring, there will have been a General Election, so we'll know whether Paul made it into Downing Street or not (wouldn't that be fun?), and to start off the spring there are two main items of Dragon news.

The first is, of course, the Ossett Show - if you're reading this before it happens then do make sure you go if it is humanly possible. It should be an interesting one, and as always there will no doubt be bargains there! Support those who are supporting you!

The other +++ BIG NEWS STORY +++ this month is that Dragonfire has changed hands, after over 2 years in the care of your beloved Editor. That's me, of course. The basic facts are: Dragonfire is now being run by Keiran Anscomb of 302 TEIGNMOUTH ROAD, TORQUAY, DEVON, TQ1 4RW. Therefore please address all Dragonfire correspondence to him as of NOW. It may seem a quick changeover to you, but that's because it came between issues of Update; there was nothing hasty about it.

More about this in my famous Late Bit inside, but for now I'll just wish Keiran luck, and ask you to continue to support Dragonfire under its new proprietor. Keiran will be at Ossett - another good reason for you to attend.

## Changing DOSses: Software Switch....

Philippe Hennebert.

Do you realise how many DOSses are available for the Dragon? There are at least ten. I won't discuss the pros and cons of that (other computers have two or three). Each DOS has its own peculiarities, for instance I appreciate Cumanados's SCOPY function - and its ability to copy directly to and from tape; DragonDOS 4's autoboot; SuperDOS and DOSplus are almost bugfree. There are drawbacks though: none of these DOSs are completely compatible with DragonDOS 1.0 software.

So, which DOS should one have in the controller cartridge? This article shows you can have your favourite DOS in the controller, and boot other DOSs from disk if a change is required.

Therefore you won't have to keep changing your DOS chip (I once broke a pin doing this) or implement hardware changes. However the method involves putting the second DOS in upper RAM so it CAN ONLY BE DONE ON A DRAGON 64.

There are four main groups of DOS for the Dragon:-

1. DragonDOS compatibles; DDOS 1.0, 4.0, 4.1, SuperDOS, DOSplus, Cumanados.
2. DeltaDOS: Single density or double density.
3. FLEX (I know of two versions)
4. OS9 version 1.0 and 2.0.

It's easy to switch to FLEX and OS9 with BOOT (and MON for FLEX). As the BOOT sequence for these is more complex, this article will ignore them; there are also problems with DeltaDOS as the controller is different. If you want to switch between DeltaDOS and DragonDOS or similar, try DOSplusDELTA and write to me - software switching may be possible.

In order to switch from one DragonDOS compatible to another:

1. Run the Dragon under a DragonDOS compatible and type in the "Save" program below and save it as SAVEDOS on disk. Then NEW and type the "Change" program in, saving it as CHANGEDOS on the same disk. Leave the disk in the drive.
2. Suppose you have three DOSs, which I shall refer to as DDOSA, DDOSB and DDOSC, and that DDOSA is the one you will use at power-up. Switch off, put DDOSB in the controller, power up, run SAVEDOS and enter "DDOSB" at the prompt. Wait for it to save.
3. Again, switch off and now install DDOSC; switch on, run SAVEDOS and input "DDOSC". Wait for it to save.
4. Repeat this process for all DOSs you wish to save.
5. Switch off. Put (for good) the DDOSA chip into the cartridge and switch on. Now you can stay in DDOSA. To run other another DOS, put the disk in the drive, run CHANGEDOS and select DDOSB or C at the prompt. It will load and boot in under 10 seconds.

These methods can be used repetitively: a software-booted DOS can boot another, for instance DDOSA can boot DDOSB, which can still boot DDOSC. To revert to DDOSA, you can load it in (having saved it first of course), power off then on, or POKE 113,0:EXEC &HB3B4.

OK, this gives you an easy way of storing DOSs on disk. But I think all of them are still copyrighted, so don't swap, sell or lend the files to others: this could bring you and I lots of trouble.

```
10 CLEAR 200,16250:FOR I=16250 TO 16267:READ B$:POKE I,VAL("&H"+B$):NEXT I
20 EXEC 16250:INPUT"DOS NAME ";A$:SAVE A$,16384,32467,16384
30 DATA 8E,C0,00,10,8E,40,00,EC,81,ED,A1,8C,FE,B0,25,F7,39,39
```

```
10 CLEAR 200,16250:FOR I=16300 TO 16355:READ B$:POKE I,VAL("&H"+B$):NEXT I
20 CLS:INPUT"DOS NAME ";A$:LOAD A$+".BIN":WAIT 500:EXEC 16300
30 DATA 1A,50,8E,80,00,B7,FF,DE,EC,84,B7,FF,DF,ED,81,8C,C0,00,25
40 DATA F1,10,8E,40,00,B7,FF,DE,A6,A0,B7,FF,DF,A7,80,8C,FE,B0,25
50 DATA F1,86,39,8E,01,5E,A7,80,8C,01,A8,25,F9,7E,C0,02,39,39
```

EMPHASIS

If you need to emphasise a word or group of words there are several options open to you.

Altering the character spacing is one, but this tends to break the flow of text. Underlining is also a weak option. Not very sophisticated and it looks untidy inside a block of text. Using capital letters is effective if used sparingly. Italics are useful for this too (especially for emphasizing foreign words without being too dominant). Bold is probably most effective, but mind that you use a different bold for sub-headings.

Whole passages can be emphasized by setting them apart from the text - quite simply a blank line above and below the passage. In this case, character spacing could be altered too. Alternatively use italics, but they don't give much contrast with the surrounding text. You may be surprised at the effect simply using bold text of the same font, and a line above/below the passage, can be.

Although indentation is a useful tool, use it sparingly. Be careful of indenting the first line, as this leads to a ragged effect if you don't have a justified right edge. It is probably better to leave everything left-justified anyway.

Indentation usually affects a whole block of text, not just the first sentence.

It can also be used in conjunction with some form of paragraph marker such as the "blob". This is a small black disc or square. Design your own on "Publisher" by choosing the FONT EDIT option; choose some character you won't need, and modify it accordingly.

Ruled lines are another good way of drawing attention, and are often seen around titles. They can be obtained on Publisher with <CLEAR>+<->, or by use of the graphics package. Their appearance can be enhanced also, by filling in a narrow box with the pattern of your choice. Lines used within the body of text can have a different function: to separate it and make the reader pause. Ensure that this doesn't become confusing for the reader.

You may wish to place a chunk of text in a box to set it apart from the main text, which it will relate to, but not be part of. Most will need their own sub-heading. The same rules for positioning illustrations also appear to the positioning of these boxes.

Shading is possible on some machines; it may even be possible on Publisher, but due to the Dragon's low resolution you will find that it distorts any letters in the shaded box. If you are to use this option you must test the effects of various shades on your chosen font to see which suit it best. The easiest filled box is an inverted box, that is, white letters on a black background; this can be achieved on Publisher. I am still experimenting with this facet so I can't give definite guidelines.

Next month we will look briefly at designing document covers.

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On the subject of DTP work, may I offer a suggestion to potential users?. Please don't fall into the old, old trap of thinking that just because your program has a function you HAVE to use it!.

There is nothing more off-putting than a page full of gimmicky font changes, frames, borders, and peculiar text, whereas a nice, simple layout is easy to read, and nothing diverts attention from the actual content, which is presumably what people are intended to read anyway!.

So, before getting too carried away with all your new DTP package can do, please remember that a simple, clean layout, with a good plain typeface creates a far better impression than a load of tarty gimmicks .... some of the fonts I've seen used are so elaborate that the actual text is unreadable!. Paul Grade.



## PEEKING THE DRAGON (38) BY MIKE STOTT

9th February - Have now received the review copy of TETRIS from PSE and hopefully the review will appear shortly in Update.

I went to the All Formats Show at Haydock Park. Even with 1.00 off vouchers it cost 3.00 to get in, even children and it was absolute rubbish. Met Bernard Waller there and was able to help him get a 5 1/4" 40 track double sided drive (new Teac) for 10.00 but that was about all of the bargains. One good thing was that I met the organiser of a Radio Rally for March 8th and was able to get a stand for the Group to show that the Dragon is still alive. We have a lot of these shows in this area and real bargains can be picked up by radio hams, computer buffs and electronics experts.

Have received a letter from David Mitchell from Dundee who is a fairly new member. He enclosed a couple of reviews for older software. Normally I do not use unsolicited reviews but in this case I am going to pass them on to Robin as David is only 15 and I like to encourage our younger members. He also sent a list of queries. David has only got a 32 with cassette so bear this in mind if you think you can help. A screen inverter program is required (I do not think my routines work on a 32). Are there versions of Battlezone and Tempest for the Dragon? Has anyone got cheats, help, or pokes for COPTA SNATCH? Any copies of INSIDE THE DRAGON for sale anywhere? Are there any corrections for MODE24 printed in Dragon User in October 1986? Are there any American Football games, perhaps American Tandy PD? Also David wanted to know if anybody had sorted out the problem of a Ramdisk for a tape based 32. When I spoke to Keiran Anscomb about this he came back to me a few days later and said that he was now working on one. Unfortunately it would only be about 6K if it was possible and would also only work on a 64K. Let us keep our fingers crossed and hope.

23rd February - Have received a letter from Robin Hemmings informing me that Kieran Anscomb will shortly be taking over Dragonfire Services from him so by the time you read this ownership will probably have been transferred. Kieran's address is 302 Teignmouth Road, Torquay, Devon, TQ1 4RW (Tel 0803 329207). At least it is good to see that somebody new is willing to run a Dragon company. I would not have liked to see it die or be taken over by one of the other companies.

I hope you have received this Update before Ossett. Please come over and meet me on our stand. I hope this year to run a little HELP CORNER whereby anybody with a problem can write it down and, hopefully one of our other members will be able to solve it. If not I will print it in this column and we should be able to get an answer for you that way, that is if people are still reading me as my mailbag has been fairly empty of late.

26th February - Did anybody else read the article "EARTH CHARGE RECORDER" in ETI magazine (March issue) by Kevin Garwell? He is the technical director of Newchapel Observatory and Natural Sciences Centre, Stoke on Trent and uses a Dragon 32 to read from a voltmeter which is coupled to a probe mounted a few metres above ground. Every hour the Dragon dumps the data to disc and this is then passed to a PC for processing. There were five pages of very interesting reading in particular how he has got round the fact that the 32 has no RS232 capability. Kevin uses the printer port and a special PCB which converts from Centronics to RS232 at 2400 Baud for transmission to the PC. I have written to him asking him to demonstrate at Ossett but, as yet, have not received a reply.

29th February - Have had a letter from KEITH Garwell and he is hoping to be at Ossett although he will not have time to prepare a proper lecture. Why not come along and find out the uses that the Natural Sciences Centre has found for the Dragon? From his letter it would appear that they have found some very novel ideas. I look forward to meeting him and maybe later visiting his establishment.

MAILSHOT!

If you're worried that the Group has been taken over by Greenweld, forget it!. The position is simply that business times are hard, and Greenweld asked if we would mail their current supplement with Update if they cover additional costs, and as they are a very reliable firm, and much of their stock is of use to anyone into electronics and computers, I thought it seemed like a good idea, so please rush off and order something from them, if only their full catalogue!. Paul.



The Keyboard and &HFF00/02 ... R.A.D.

"Machine Code Disk 1" gives the layout of the keyboard matrix and explains the numbers returned in locations 338 to 345 for an individual keypress. The matrix is seven columns by eight rows :-

```

ENTER  X P H @ 8 0
CLEAR  Y @ I A 9 1
BREAK  Z R J B : 2
        u S K C ; 3
        d T L D , 4
        I U M E - 5
        r V N F . 6
SPACE  W O G / 7

```

The lower case letters represent the arrow keys Up, Down, Left and Right.

PEEKing &HFF00 gives an immediate return of the column in which the pressed key is situated. Reading from left to right, the values returned are 191, 223, 239, 247, 253, and 254. If SHIFT is also pressed, the values returned are reduced by 64.

The presence or absence of a joystick does not usually affect this, but has been known to in some cases, such as with the cheap 'sticks sold by Touchmaster. If this is the case, the numbers are reduced by 128. This short BASIC routine gives a demonstration:-

```

10 CLS
20 A=PEEK(&HFF00)
30 PRINT @ 200,A;
40 GOTO 20

```

Using machine code, simultaneous keypresses can be detected. By storing the row position of a particular key in &HFF02, if that key is pressed the column will be returned in &HFF00. The 8 rows of keys represent the 8 bits of &HFF02, with the least significant bit at the top row and the most significant at the bottom row. The bit which represents the key to be detected is deducted from 255, and the result is stored in &HFF02.

For example, to detect the P key. This is bit 0, set at present. Deducting 1 from 255 = 254 or 11111110. The column with P is number 5 reading from right to left. Here the least significant bit of &HFF00 is at the right, so bit 4, the "16" bit, has to be unset for the column.  $255 - 16 = 239$ . So if 254 is stored in &HFF02 and &HFF00 is found to have 239 or 11101111, then P has been pressed. EG, LDA #254 : STA &HFF02 : LDA &HFF00 : CMPA #239. The compare of the location &HFF00 must be made immediately after storing the number in &HFF02. The result can be stored away temporarily at another location for further compare later in the program. For simultaneous keypresses, each is examined sequentially in this fashion and the results stored away for compare later. Here again, the presence of a joystick, although not used, can make the number less 128.

SEND IT TO THE RIGHT PLACE, PLEASE!

I KNOW it has been said before, but when ordering things PLEASE send your order and/or cheque to the right place, or you either wont get what you want, or it will be much delayed!.

Orders for Up-2-Date should go to Ray Smith, NOT Paul Grade, and advertising copy should go to Paul, NOT the Editor, similarly articles for Update are for the Editor to deal with!. We get confused enough without assistance, so please try to get it right!.

## Free Information or Free Advertising?

While one of Update's roles is as a source of information about Dragon software developments, bugs and solutions to bugs in programs, we occasionally receive articles from suppliers detailing their own software to such extent as can only be called free advertising! If there is a problem with a product, you should be getting in touch with each of the customers individually and explaining the problem, rather than sending an article in on the subject.

Apart from boring the majority of Update's readers, who probably don't own such a specific product, there will also be owners who don't read the article.

One example is an article I received from Phil Scott about compatibility problems with DOSPlus. As this is over a page long and came from the author himself, I won't be printing it. It's far too specialised and DOS problems have got many people very bored already. Sorry Phil, but you'll either have to contact your customers or take out an advert, as the majority of readers will find it useless.

On this subject (just), don't be afraid of writing generalised articles. If your point is valid the article is just as valid. General hints and tips are often as useful as specific advice. Robin.

## Using USR . . . . Dave Riley . . . . .

I am convinced that everything a Dragon user needs to know is contained within "Inside the Dragon", however I sometimes have difficulty understanding the information within it. It is for those with similar problems that I offer the following.

I have in the past not used USRn calls as I didn't understand them, and it seemed easier to POKE a parameter to memory to pass it to an EXECutable machine code routine. When confronted with a CoCo program for conversion, however, I had to bite the bullet. I found that a routine at \$8B30 can be called to copy the parameter (variable) from BASIC into the D-Register. The routine is labelled INTCV in "Inside the Dragon", and the equivalent CoCo routine is at \$B3ED. The following demo program will explain best. The machine code in the DATA string is:

```
JSR $8B30
STD $0C00
RTS
```

The hexadecimal output is for examining the way negative numbers are treated. The machine code simply calls the ROM routine, then stores the parameter in locations \$0C00/01, which can then be PEEKed by the BASIC program, taking into account that it is a 16-bit number stored in two 8-bit bytes - see line 70.

```
10 REM THIS DEMONSTRATES A NUMBER BEING SHIFTED FROM BASIC TO THE D REGISTER BY
THE USR FUNCTION AND INTCV.
20 FOR M=&H2000 TO &H2006
30 READ D$:POKE M,VAL("&H"+D$):NEXT
40 CLS:INPUT"ENTER INTEGER TO BE TRANSFERRED TO MACHINE CODE";A
50 DEFUSR0=&H2000
60 X=USR0(A)
70 B=256*PEEK(&HC00)+PEEK(&HC01)
80 PRINT@256,"INTEGER TRANSFERRED WAS ";B;"          (&H";HEX$(B);")"
90 PRINT@480,"GO AGAIN (Y/N)";
100 A$=INKEY$:IF A$="" THEN 100
110 IF A$="Y" THEN 40 ELSE END
120 DATA BD,8B,30,FD,C,0,39
```



## SHANGHAI - REVIEWED BY PHIL CHATFIELD

### SHANGHAI (OR MAH JONG FOR RECLUSES)

For all those readers who do not get further than the first sentence of any article - BUY THIS \* BUY THIS \* BUY THIS.

This is going to be a 'rave review' in case you had not already guessed. To reiterate what was said above, even if you have NEVER bought your Dragon a pressie before you must buy this. Mere words cannot express what a bonus you will receive through your letter box. The reference in the title to recluses should be enough to whet your appetite as I am sure that all Dragon owners have, by now, been reduced to the computer world's equivalent of recluses. I, for one, am a happy recluse and Shanghai has added to my contentment. Wot about a review then? This 'game' is deceptively simple. You just take 36 mah jong tiles, increase to 144 by having four of a kind (does that constitute a mah jong set?), sling them all in the air so that they land in various sized heaps between one and five tiles high, and let the fun begin! ALL you have to do is remove the tiles in pairs (two the same) until the tiles have all gone. YAWN! - simple eh! Well you just try it pal!

The result of your labours is not frustration but determination to discover the secret as you will be convinced that there is one. For those who like a game of patience this is a perfect challenge.

Have any of you experienced the situation where a fellow member of your household expresses derision every time you sit in front of your Dragon and passes comments such as; "waste of time", etc. etc. Well I have got one like that anyway! Since the arrival of SHANGHAI I cannot get her away from my machine. I am talking about HOURS. And this is someone who had no interest at all previously. What better recommendation can there be?

I could go on for hours but I think you get my drift - SEVEN DRAGONS for this one.

BUY IT - BUY IT - BUY IT

This 'game' is in a class all on it's own.

SHANGHAI is available on tape only from Paul Burgin, 18 Moorcroft Road, Sheffield, S10 4GS price 2.75.

## DOUBLE-HEADER DISC OFFER REVIEWED BY RAD

THE SWORD AND THE SORCERER plus STARMAN JONES IN THE TEMPLE OF DOOM is a double offer on disc from Bob Preston. Here is value for money, two Graphics Adventures on one disc. BOOT will screen the menu for you to make your choice of programme which then loads and runs. SWORD AND THE SORCERER is a Maze of 225 locations from which the player must escape, moving around by using the arrow keys. Several types of monstere are encountered. When that happens the arrow keys become inoperative, and the player has to choose one of eight options displayed, by pressing the appropriate number key. The options are Attack, Trade, Bribe, Change weapon, Run, Eat or drink, Inventory, and Take. Strength is monitored and can be regained by eating or drinking. Events other than these are all menu driven, and a full sheet of instructions is provided with the Disc. A neat puzzle, nicely illustrated. TEMPLE OF DOOM by Simon Roche is a good attempt at a 3D display of Dragon Graphics, also well illustrated. Starman Jones will move in response either to the Joystick or Keyboard depending on your choice. There are five levels and each must be reached by finding and collecting five keys within the time allowed. Ghostly hands point to the exits available, and items are collected by walking over them. Rats and other creatures present you with a hazard. The object, of course, is to escape from the Temple. Not as easy as it first appears to be. The instructions are within the program. If you are fed up with text adventures, which all seem to be variations on the same theme, these two make a welcome change.

The above programs are available on one disc from R & A J Preston, Kings Hall Court, St Brides Major, Mid Glamorgan, CF32 0SE (no price with review, sorry.)



ACCOUNTS - REVIEWED BY RAYMOND ROACH

Richard Sutcliffe has produced a very good accounting system on disc for both the D32 and D64, involving a slight difference in the initial loading. There is no manual to go with the disc, but you will find that you really do not need one. This does, however, mean that you will have to set up a trial file to try the system out and sort out all its many excellent capabilities.

After loading the main disc and initialising a filing system, you can then enter all sales, purchases, receipts, payments etc. At the press of a key you can list your transactions, list your debtors or creditors, examine named accounts, amend entries and get a VAT analysis and Bank Summary. You can either view this information on screen or get a very well laid out printout.

Having had to keep accounts when running my own business I feel envious that anyone with a DRAGON can now have such an easy and efficient way for keeping their accounts and making sure that nothing gets overlooked.

The screen presentation is excellent with 64 upper and lower case characters on a white screen making for easy viewing. An additional SCREEN SWAP facility allows an even brighter screen which could be useful in some lighting conditions.

If you have to keep accounts dealing with sales and purchases you would be very unwise not to try this system out for yourself. The time spent experimenting will prove well worthwhile.

The ACCOUNTS disc can be obtained through the PD library from Stuart Beardwood, 38 Salisbury Place, Boothtown, Halifax. (N.B. This is shareware so if you like it when you have tried it instructions are within the program to register with Richard Sutcliffe and this way you will receive the latest version and any help you may need).

OS9 Stylo and Shell Enhancements.....

Malcolm Cowen

In answer to the articles on OS9 in Update, there are enhanced versions of several OS9 modules.

Stylo was disassembled by the German group, and rebuilt in a better form. You can now customise it a bit more to your own taste. I have produced an English translation, available to anyone with a "legit" Stylo. I was most impressed by their work.

I disassembled the Shell myself, and enhanced it with an extra search of the RAMDisk, which is used as an extra execution directory (I believe the latest CoCo systems offer an even better system). Again it's available to anyone who wants it, and has a copy of the original Shell. I use it all the time, and by copying all those "little" commands that are often used (dir, copy, etc.) into the RAMDisk, you will find that they run like lightning.

Dynacalc and RMS were done in 80 column mode. At least one set of mods were available from Compusense, who supplied them for their 80-column add-on card and extra 64K memory. They may still be available; also, from memory, I think others were done as PD software.

Several people produced RAMDisk drivers for the Compusense and other add-on cards. Most of those were available on the old OS9 group disks. Burghard can probably supply one, if not, I may still have some of them.

There are many more PD programs for OS9. I would like to ask Stuart Beardwood if he wants copies in his library, or would you prefer to refer people to Burghard's group?

My address is: Malcolm Cowen, 23 Bristol Avenue, Levenshulme, Manchester. Tel: 061-225-4674.

WRIGGLE. REVIEWED BY PHIL CHATFIELD

WRIGGLE is loaded by the old familiar BOOT and one is immediately filled with hope. The start-up screens are quite neatly done with good use of sound and graphics. Well - little growls as the words appear. The start does tend to go a bit though. You aren't offered any instructions, perhaps the title is the instructions. Finally into the game. The first thing you notice is a set of digits set right in the middle of the screen about two inches from the top. These digits start at 1000 and count down. Just as your brain says "ang on mate, that blocks my view of wot's cumin" you smash into the first black blob (asteroid?). You then discover the next little irritant - it is one of those games where you take six months to die. Go and make a cuppa. Just as you've dunked your second bourbon the next life appears and just as your brain says "ang on mate, wot a lot of blobs" you smash into ..... Anuver cup vicar? You are determined to beat this one though!! Next life... My joystick is not working ..oh yes it is ...is it?...SMASH. No worries there is still a little space ship up in the top right. I have got another life. No you ain't, this game removes your little life indicator AFTER you have lost it. Guess what chaps - you get to see ALL those jolly start-up screens before you get another go!! After you have shamed yourself into completing the high (?\*#%) score table, just time to go and cook lunch while this goes on. And so it goes on - I thoroughly recommend this game to any masochist who will NOT be beaten by anything - even I was able to last several seconds after some hours of practice. The screen indicators show current score, high score, number of lives and a mystery box. This might indicate level of play but I do not envisage any mortal ever confirming this.....just think, it might become a cult game. Now the good news, if you leave the little space ship to it's own devices you will score at least five.....not satisfied? Well then, when it says GAME OVER push the reset button, quick burst of start up screens and lo! you have retained your previous score. I got up to 250 doing this and felt quite smug about it. You do not appear to get any extra lives though. If this game is going to be welcomed the cursed counter will have to go and joystick sensitivity will have to come. WRIGGLE from PSE, 36 foxhill, Shaw, Oldham, OL2 7NQ (no price with review copy) or direct from Alfred Knoetig, Wilh.-Engelhardt Strasse 40, DW-6430 Bad Hersfeld, Germany for 10DM plus 5.00DM P&P per order. (Software Ed. - Another reviewer was not as praiseworthy of the program and refused to review it. In defence Alfred says that a digital joystick makes control easy.)

The Editor's Late Bit.....

OK, so why the change for Dragonfire, you may ask? Put simply, it has become obvious that I no longer have time to give Dragonfire the attention it needs - hence all the apologies for slow response that I've been putting in Update lately. I did not, however, want to let Dragonfire simply die, or be swallowed up by another company (as this would be seen as a narrowing of the Dragon market). Therefore I decided to pass control of Dragonfire over to someone who is keen enough to run it alone, and hopefully add "that certain something" to the company.

Having met Keiran I must say that he is The Right Man For The Job! He's a keen Dragon user and a good programmer (hopefully we will see some more of his work appearing). So please support Keiran while he finds his feet with Dragonfire ... firstly by sending him lots of orders, secondly by attending the Ossett Show on the 25th April!

As for myself, well, it feels strange without Dragonfire! But with my industrial training coming up I couldn't have run it for much longer. (he just HAS to be joking!! "Industrial Training" when there isn't any industry left in the Country!. Why not something useful like a course in signing on at D.S.S?!. P.G.). Thanks to those of you who have sent me E-Mails! I was quite surprised to receive some response. Anyone who hasn't yet can mail me on "reh@uk.ac.bton.unix" and be assured of an unintelligible reply. I will be passing your names onto eachother soon, so Dragon Users with E-Mail can get in touch with eachother! I'll sign off now. It's been an eventful month and it's time I had some sleep. (Editors rarely sleep, and when we do, it's with our eyes open in case of Vampires.) ("Vampire" is editorial slang for "Critic".) So once again I say, support Keiran, support Ossett, support the Group, and send me lots of articles!

Robin.

What I want to know is .... has Keiran checked the Dragonfire Pension Fund yet?, and is our Robin plotting to disappear off the end of West Pier? ..... watch this space for Dramatic Revelations about Corruption in the Dragon Software Industry!. P.G

## Software/Hardware address guide. Reviewed by Ken Grade.

Peter Hawes has been collecting names, addresses and information on anything or anyone connected with the Dragon computer scene for some time, and this is the second edition of his guide. It is quite comprehensive. It is a 30 page A5 booklet listing companies or individuals, and what they have for sale. User Groups and Newsdisk or Newsletters are also included. Good value at 3.00, and probably indispensable to anyone new to the Dragon scene. The drawbacks are the obvious ones that between compilation and printing, there will have been changes. However, it is a nice try at providing something which is needed for those who are new to the scene.

Peter Hawes' address is 9, Strangford Road, Whitstable, Kent. CT5 2EP.

## AMS5....Tony Shellard.

AMS5 was a somewhat lacklustre affair for me, especially compared to AMS4, which was held previously, as you might expect. For those unfamiliar with the venue, Bingly Hall is a large cow shed or garage-like building with a concrete floor. This was little in evidence at AMS4 due to the packed array of tables and hordes (herds?) of people in between. The stands had a huge variety of radio and computer hardware, software and accessories. Many user-groups were present, including Oric, Einstein and QL, with no less than seven Dragon-specific stalls. (I managed to find something to buy on six of these; anything from a few back-issue D.U.'s to a D64 with DOS cartridge and drive). AMS5 was a rather subdued affair by comparison. There were fewer stalls, with large corridors in between, accentuated by the lack of people therein. Lamentably not one Dragon stall to be found, although plenty of second-hand Amiga software was in evidence - hopefully this is not the shape of things to come in future shows. The last bastion of the small machine was in the form of Mark Willis of the TI-99/4A User Group.

Still, we Dragoneers don't give in so easily; sporting my Dragon T-shirt (bought last year and yes, it has been worn in the meantime) I sallied forth with a keen eye for a printer and Mike Stott. The latter actually found me first, probably due to the logo upon my breast (makes you proud, don't it?) and pointed me at the former; a nice little Panasonic. Having secured my prize I scouted out some accessories; paper ribbon & disks at bargain prices. (plus a pair of drives that proved to be more trouble than they are worth.)

Overall I left the show contented but not enthused; whilst the lack of crowds and bustle gives you more time to browse in comfort (and the traders had more room to display their wares) it was perhaps too quiet. Although I got my main object I would have preferred to have obtained it from a Dragon stall; given the choice I would support our supporters, but I also had a budget to work to and couldn't resist such a low-priced printer. There are two corollaries to all this; firstly I have a greater determination to go to Ossett in April; this gives me the chance to support the people attending and boosts my morale by showing me that other Dragon Users are still in evidence (I hope). Secondly, my printer would be useless without the lead which I made up with the help of information from Mike Stott and Ray Smith. Without the help and encouragement of other such friendly members I would probably give up. Thanks guys, you're both essential parts of AMS5 to me.

### **CROSSWORD NUMBER 61 ANSWERS!**

ACROSS: 1. BOOK; 4. ROBOT; 7. DIRE; 8. KEEN; 9. SHORE; 12. TENDR.  
13. DRINK; 15. GIANT; 17. BLESS; 20. LEASE; 21. AMOK; 23. CABE.  
24. WHEAT; 25. ENDS. DOWN: 1. BAKED; 2. ODE; 3. KINDNESS; 4. KEST.  
5. BOON; 6. TIER; 10. HERITAGE; 11. ROAN; 14. ROLE; 16. TAKES; 17. BLOW.  
18. EASE; 19. SECT; 22. MEN.

**MANY THANKS FOR THE GROUP STAND AT OSSETT, BOB.**

AND ON BEHALF OF ALL DRAGON OWNERS, THANKS FOR ARRANGING THE SHOW



THE LATE, LATE BIT .....

Aren't General Elections fun?! ..... weeks of watching a load of boring slobbs on the box, all trying to convince us that "the other lot" are bigger liars than they are, and getting in the way of the few programs that we would usually be watching ... and then they've actually got the nerve to suggest that we ought to VOTE for them!. Personally I'd rather arrange a swap with Iraq or Lybia than help elect any of this lot!. Oh well, by the time you get around to reading this it will all be over except for the months of televised debates on "why we should have won but didn't", and all the experts explaining why their forecasts were wrong, so who cares anyway?.

So what else is new in the World? ... not a lot really, at least, not much of interest to Dragon owners (With the obvious exception of Ossett, of course). Group numbers are more or less static at the moment ... we lose around eight or nine per month and gain about the same number, a lot of the "gains" being Dragon owners who quit a couple of years ago in favour of peculiar devices such as the ST and Amiga and who have now seen the error of their ways!. February seems to have been a bad month for illness .... five of our older members died within a few weeks (the lengths some people will go to to avoid paying their subscriptions!), and just about everyone else (including me!) seems to have been suffering from various bugs and viruses .... people are getting worse than computers for that! ... but life goes on regardless of the attempts of the Political morons trying to bore us all to death, so there's no excuse for not turning up at Ossett with your overdrawn cheque book clutched in your sticky little paw, and doing your best to help the Group and software firms live in a style to which they would like to become accustomed!.

Ray Smith tells me that the Up-2-Date disc magazine is doing well now, it certainly deserves to, and it has certainly helped to boost Group funds!. Frankly they NEED a boost right now, what with everyone suffering from the money shortage there isn't much in the way of sales, and as most of you know, the subscription money only just covers running costs, so anything that helps bring a little more cash into the account is welcome ... at the moment there isn't enough to make it worth my while to do a Maxwell!.

No details fit for release yet, but it is possible that there may be changes in the Editorial staff in the not too distant future, but meanwhile please keep the material coming in ... it gets very difficult trying to make an interesting newsletter from three articles and a crossword!.

Before I forget to remind you, the Greenweld supplement that arrived with this issue IS only a supplement to their main catalogue, which is well worth having ... quite apart from being an ultra-cheap supplier of electronic components they also have a huge stock of interesting items, everything from tools to watches, and are one of the most reliable firms I have dealt with. (That plug will cost you! ... send the cheque direct to my Zurich account as usual.). Seriously, if you haven't dealt with them before it's time you gave them a try. If you're interested in building yourself a 286 PC as a second machine to your Dragon they stock all the necessary boards etc. for that, too!.

Oh well, you've all been subjected to weeks of boring waffle from our Right Honourable Friends (... and Brutus was an honourable man ...!) so why should I add to it?. The only reason that I'm drivelling on like this is that I don't have anything to fill the last third of this page, and it looks so grotty just leaving a blank space ... I suppose I could always have set it up as a D.I.Y piece ..... just put a title and leave the rest blank for you to write yourself, maybe next time I will but meanwhile, have fun, and don't get caught doing anything I wouldn't do. Paul.

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**ANY CHESS ADDICTS OUT THERE?**

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 WITH ITSELF INSTEAD OF ME!. BEFORE IT GOES  
 BLIND CAN ANYONE LET ME HAVE A COPY OF THE  
 INSTRUCTIONS (OR A BETTER DISC COPY PERHAPS)  
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**GAFFER STILL SCROUNGING!!!.**

I REFUSE TO BELIEVE THAT THERE ISN'T A VGA  
 COLOUR MONITOR SOMEWHERE OUT THERE AT A  
 PRICE I CAN AFFORD TO PAY! .... EVEN A DUD  
 ONE WOULD DO!. YOU'RE HOLDING OUT ON ME,  
 THAT'S WHAT IT IS!. BUT THINK OF THE CHANCE  
 YOU'RE MISSING .. YOU COULD SET A RECORD AND  
 GET MONEY OUT OF ME!. PAUL GRADE.

**HELPLINE LIST 1992**

I STILL ONLY HAVE FOUR VOLUNTEERS FOR  
 THE NEW HELPLINE LIST, SO WHAT'S WRONG WITH  
 EVERYONE?. WE NEED AT LEAST TEN, SO PLEASE  
 LET ME HAVE DETAILS OF SUBJECTS YOU WOULD BE  
 WILLING TO HELP AND ADVISE MEMBERS ON. THERE  
 MUST BE SOMETHING, SURELY?!. PAUL.

**THE OSSETT DRAGON SHOW 1992**

**TOWN HALL, OSSETT, YORKS.**

**SATURDAY 25TH APRIL 1992.**

**THE ONE COMPUTER SHOW YOU CAN'T AFFORD TO MISS!.**

**CROSSWORD NUMBER 62.**

ACROSS: 1A.FISHERMAN MAY DO THIS TO MAKE SPANISH MUSICAL  
 INSTRUMENT; 11.HEAVY METAL; 2B.FISHERMAN'S BOOTS; 3A.GESTURE  
 COULD BE SHORT,MEDIUM OR LONG PERHAPS; 3B.SMALL PLANT OF THE  
 ONION FAMILY; 4C.BASE OR BLOCK ON WHICH A COLUMN STANDS; 5J.TINY  
 ANIMAL WHICH LIVES ON OTHER ANIMALS; 6B.TO MAKE VOID,OUT OF DATE  
 OR VALUELESS; 6I.SAVOURY MEAT JELLY; 7A.TYPE OF TENNIS;  
 9G.SIXTIETH PART OF A DEGREE; 11A.GENTLEMEN SOMETIMES MAKE ONE;  
 12H.PRICE PUT ON SOMEONE'S HEAD, OR CHOCOLATE BAR!; 13A.BUILDING  
 FOR PRESERVATION OR REARING OF PLANTS.  
 DOWN: A1.FLOWER NAMED AFTER BOVINE ACCIDENT?; B1.POPULAR CAROL;  
 C4.CUT OFF DEAD OR EXCESSIVE PARTS; E1.PERTAINING TO THE AIR;  
 E9.CONSERVATIONISTS ARE SAID TO BE THIS COLOUR; F5.LIVELY DANCE;  
 G3.POLE OR STICK USED IN WALKING; H5.SHORT SIGHTEDNESS; 12I.TYPE  
 OF ORANGE; J8.CHASE OR RUN AFTER; K1.LAND OF LITTLE PEOPLE;  
 L3.PERTAINING TO THE EYE; M1.WHERE SANTA SUPPOSEDLY GOT STUCK!.  
 ALL ENTRIES TO PAUL GRADE, PLEASE.  
 SOFTWARE PRIZE TO FIRST TWO ALL CORRECT ENTRIES.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	C	A	S	T	A	N	E	T	I	R	E	N	V
2	O	W	A	D	E	R	S		A		I		P
3	W	A	V	E	R		S	H	A	L	L	O	T
4	S	Y	L	I	N	T	H	N		L	P	H	
5	L	I	R	A	J	A	M	D	M	I	T	E	
6	I	N	U	L	L	I	F	Y	A	S	P	I	C
7	P	A	N			S	F	O	R	U	C	H	
8		M	E					P	I	P	T	I	
9	L	A	N	G				M	A	N	U	T	E
10		N		R				L	R				N
11	A	G	R	E	E	M	E	N	T	S			E
12		E						R	E	U	A	R	Y
13	G	R	E	E	N	H	O	U	S	E			S

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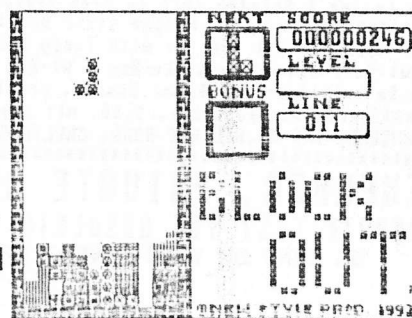
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