D IS FOR DELTA
O IS FOR OS-9
It's hello and goodbye from me this month. Simon has sorted out his backlog of work and will resume as editor for the next edition (sob, sob).

I have enjoyed my short spell as editor, and will no doubt return at a later date when Simon moves on to other things. I shall still look forward to receiving you letters, moans, praises etc.

Both Simon and I hope very much to see you all at the Hove show on the 3rd June. Please pop over and say hello. This show promises to be the major event of the year with all major software houses exhibiting, and several new ones as well.

If you are contributing an article, please try to COUNT your words so as to fit the correct page length, and send your copy in unjustified print as word spacing varies. Finally, please do not leave it until the last minute otherwise you may find that you have missed the boat.

I hope that you like the new style and layout. There has been some discussion as to the size/format of the magazine. What do YOU think? Write in and let us know. We welcome your letters and suggestions for future articles, reviews etc, so get out your pens or wordprocessors and drop us a line. Our thanks must go out to Sotos Mandalos for the wonderful typesetting and presentation this month. He has done us proud.

Roger Quaintance.
Summer expansion for New Era!

NEW ERA PUBLICATIONS is gearing up for the summer with rapid expansion on all fronts.

As part of their "Summer wear range", 6809 USER - "The Dragon Roars On" T-Shirts, sweatshirts, baseball caps, jog shorts and even boxer shorts are soon to be made available.

New Era's machine code series, based on Marshall Cavendish's "INPUT", will be launched at the Summer Dragon and Tandy show, Jonathan Cartwright will be writing a monthly machine code column to coincide with the series, and will also be answering readers' queries Simon Jones comments, "We've had a slow response to the series so far, but are confident the quality of the series will ensure an initial readership of around 50."

Other publications to be launched at the show, include New Era's "Update to date" - the 1989 version of the Dragon Users' Handbook, along with a hardware DIY series and a revamped version of the Dragon Directory, New Era is also looking to launch another magazine for the Dragon, based exclusively on the Dragon games market. The magazine will take the form of a small newsletter, with only 30 subscribers required in order to ensure its success.

A professionally produced book, based on the Dragon's history, will be launched shortly, and will be available for £2.95.

On the software front, ex-proprietor of Unique Software, David Bryant has joined New Era and is currently working on an "arcade/adventure/strategy/simulation/scrolling type game." Further details soon New Era has also reduced the price of Accountant Plus to £1.95!

New Era are still on the lookout for further software market, offering up to 50% royalties.

Simon Jones said, "At the Colour Computer Convention we were very ill prepared, with only three products. We are certainly not making that mistake at the Summer Show. Indeed, we are certainly hoping to transform our image from merely publishing 6809 User, to offering a whole range of quality products for the Dragon."

Away from the Dragon scene, New Era has recently set up a subsidiary company, to be called Harlow Community Publishing. The idea of the company is to
publish a series of community newspapers, in co-operation with the local council, with a readership in excess of 10,000.

"We want 2000", says Paul!

THE Dragon and Tandy Summer show looks set to become one of the most successful Dragon shows in years.

That's the view of organiser Paul Grade, as he said, "The Ossett show attracted 200 visitors... I want 2000!"

The full list of exhibitors include: "PRESTONS, JOHN PENN, COMPUTAPE, PULSER SOFTWARE, HARRIS MICRO SOFTWARE, NDUG, NDUGSOFT, NEW ERA PUBLICATIONS (WITH NEW ERA MAGAZINE), SUTCLIFFE ELECTRONICS, PROTECH SYSTEMS (GB), MACGOWAN CONSULTANTS, KOUGA SOFTWARE, COLEMAN, KNIGHT COMPUTER SERVICES, JASON SHOULER, DRAGON ART, B.C.S., NICK SPIERS, SIEGFRIED'S COMPUTER GRUPPE (FROM GERMANY), 68 MICRO GROUP, CHRIS ROUSE, ERIC HALL, DRAGSOFT, COMPUTEACH AND GREENWELD ELECTRONICS (WITH NEW ERA'S HARDWARE PROJECT KITS). THE SHOW PLAN IS SHOWN OPPOSITE.

The Summer show has attracted more exhibitors than all other Dragon shows organised last year put together, with nationwide advertising. Tickets are priced at £1.00 for adults or 50p for children. Refreshments of all types will be available at a servery area, with full seating facilities on the balcony.

"If it is the success it deserves to be, we will certainly be looking to repeat the effort for a Christmas show," said Paul.

A full eight page show report, including photographs, will be available as a special supplement in the next edition of 6809 User.

Magazine blues

DRAGONFIRE SERVICES' "Dragon Magazine" is to go bi-monthly.

Editor Andrew Hill blamed the lack of material as the main reason for the change.

Donald Morrison's "Dragon Logic" is feared to have gone out of circulation, after failing to produce an issue since Christmas, although this has yet to be confirmed by Donald.

6809 User goes on and on!

6809 USER is set for the nineties!

That's the view of New Era, after a furthe
increase in circulation.

Simon Jones said, "We were seriously thinking about ceasing publication due to my other commitments, which means I will be unable to continue editing 6809 User after June 1990.

However, after a large increase in subscribers, we will make every effort to find a new owner to the magazine, and already have a number of contenders lined up."

NOTICE

Following the article published last month regarding the sale of Dragons in the United States of America, we feel we ought to point out that it is necessary to convert the power supply of such computers.

American Dragons, of course use 100v, 60 Hz and is not compatible with the British standard 240v, 50 Hz.

ANY NEWS?

It's not news unless you contact 6809 User!

37 Collins Meadow, Harlow, Essex CM19 4EN; Tel. 0279 - 639616 (9am - 8pm).

SOFTWARE UPDATE by Roger Quaintance.

We have just received and updated version of "Data Loader & Printer thats hard to beat for value. Coming soon is an updated version of "Phone Bill Calculator". Mike has a stand at the hove show so drop along and see him.

Sunnysoft have reduced the prices on "RAE MATHS TESTER", "LOGIC TRAINER", and "RESISTOR COLOUR CODES" to 4.99 each, considering the entire amount from "RAE", and all bar the royalties from the others go to the local Animal Rescue Centre I hope you will all support them.

Coming soon from KOUGA Software is "THE REVENGE OF THE ALIAN BONGO BEAST IN THE CRISSY CROSSY LINES DIMENTION", provided of course they can get the title on the cassette label. It promises to be the best KOUGA release yet, written by Stewart Orchard, the author of BALLDOZER (reviewed this issue). It is hoped to have it ready for release at the Hove show. (O.K. John where is my review copy. Roger Q, editor soon to be ex-editor, but will remain software - Ed.)

Reviews for the next issue will include "VisiText De-lux", "Madragore", Filing system, Dams, and many more. I hope to see you all at the Hove show on Sat 3rd June, bring lots of money, and I may let you buy me a drink. Seriously though BE THERE.
SHOW PLAN

The Dragon and Tandy Summer Show
The Great Hall, Hove Tn Hall, Hove
Saturday June 3
10.00 am to 4.00 pm
VIVA ESPAÑA!

Dear friends,

we were very pleased to see our letter published in the last month of 6809 User, and we want to contribute to keeping the Dragon living. You know the last company who made DRAGON was Eurohard from Spain and it dissapeared in 1986 by economic problems. Now the last DRAGON bargains are being distributed in Spain by our club and a company of Madrid, we've got a large range of DRAGON accessories like disk drives, joysticks and Spanish programs (most of them spanish conversions of english programs) we also have DRAGON computers, here are our prices:-

Dragon 32 without colour (for use with monitor) 11000 ptas Dragon 32 colour (TV or monitor.) 13500 ptas, Dragon 64/200 without colour 4500 ptas, Dragon 64/200 colour 28000 ptas, Single disk drive 175k 28000 ptas, Double disk drives 360k 36000 ptas

The prices are between £47.69 in pounds sterling for computers and £133.17 for disk drives. We know that they are not very cheap, but all items are first hand and enveloped directly with Eurohard envelopes, the prices include VAT anyone interested can contact use at the address below. The Spanish Dragon community has increased recently because these prices are very cheap here in Spain the Dragon has become a low budget micro like in the USA. If Egland supplies the software and Spain the hardware we are sure that the Dragon will live for a long time. Thank you for your magazine and for your support. The Dragon would be dead without the English support, because in Spain there aren't any software companies which make programs for the Dragon, the only software we've got comes from you, thanks England! Viva England!

Regards Josep Jan (Director), David Escardó (Director) DRAGON SOFT-CLUB VILAMOVA Vilanova i la Geltr, Barcelona, Spain.

**EDITOR** Thank you for your letter it's always nice to hear from our overseas readers, you must have some programmers amongst you why not send us some software for review?

NEW MAG?

Having recently had the good fortune to acquire a Dragon 64 with cumana disk drive and a lot of software I am only just now starting to really appreciate that it is a very useful micro. Unfortunately for myself I do not as yet know all there is to know about the machine, but I am still learning slowly. I am therefore very pleased to know that there is still a vast
amount of people using Dragon and Tandy computers to which people like myself can turn to. Well that is what I have been led to believe anyway. But having read a few of the current publication relevant to the Dragon I am amazed to find that just a few software companies and the other odd participants are really the only ones who own any of the micro mentioned above. I have three boys all under the age of six they are very impressed with the collection of arcade games for my Dragon, they drive me crazy with their keenness to play them, however, I would much rather allow them to use the computer for furthering their education; sadly though I posses very little education material and upon browsing through the current lists of available software I have noticed very little educational programs. I have also noticed a few appeals for those elusive owners of computers to come forward with, info, programmes, and commnets, so I have a suggestion to make to everyone, it goes like this; All you Dragon and Tandy micro users out there put pen to paper with any comments, ideas, suggestions, queries etc and send them to me, I will then compile a small magazine about them if possible, as I think it would go down quite well, it would let users out there who are interested still know that there is still life in the micro’s and that I personally am not a lonely Dragon user...

A.R.Ferry Stafts. 0827 282521

MOAN? GROAN? GRIPE? WHINE?
WRITE TO 6809 USER
-THE forum for discussion!
37 Collins Meadow,
Harlow, Essex,
CM19 4EN.

NEW SIZE?

Dear Simon,

thank you for the copy of the latest 6809 User, please find enclosed my subscription. I am pleased that the mag is going well, and that you will be increasing the format etc. Personally I think that something between A4 and A5 is better, (eg. half B4 size, B4 size folded), but there may be other limitations. One serious omission that I noticed is that (as with Dragon Update) there is no mention of the subscription rates given! (page one stuff). There seem to be the usual problems of spelling ‘FLAWS’! (Floors, FACULTIES for FACILITIES, Julian, P37, Nov.88). This is not necessarily serious, but spelling errors do spoil the overall impressions as you are obviously aware. Although I do not make any great claims to be a scholar, I would be pleased to give some of the proofs a quick run, through if it would help particularly as I am only just ‘over the hill’ from SOTOS (you can pop in anytime mate - Sot). I must pop in and see him if I am ever over his way. Here’s hoping for continued success with the magazine, hope to see you at the show.

Geof frey R. Barry PRO-TECH SYSTEMS BASINGSTOKE.
**LETTERS**

TEMS BASINGSTOKE.

**EDITOR** Thanks for the subscription, it’s nice to receive both money and praises in the same letter. With regard to the spelling “FACULTIES” (physical capability of function Ox Dict.) is the word that intended not “FACILITIES” (means that render anything easily done Ox Dict.) To “FLOORS” I own up had there only been one mistake it would probably been caused by the scanning process, there were however two, I hang my head in shame.

**NEW PD/SHAREWARE**

I noticed in Dragon Update that a Canadian Company has released two adventures for the CoCo3. How compatible with the Dragon/Tandy computers is the CoCo3? Would these adventures run on the Dragon/Tandy? Also where can I obtain and how much are CoCo3’s. I’m thinking of joining the NDUG (even though I haven’t got a Dragon) and I noticed that in the March edition another public domain/shareware company has been, set up. Contact DEWSOFT, School House, Neveryn Road, Rayleigh, Essex, SS6 7PE. Congratulations on 6809 User I really like the new layout, very professional, well done.

I noticed the advert from Byte - have you got in touch with the American company yet? I do think that having Ken Smith being features Editor has done wonders for the contents. I do like his style of writing and especially liked his reviews of DTP+ and the Graphics Studio well done Ken! I do think that you could do with a few more longer reviews in your review section. I felt that although the reviews of Data Loader & printer and Impossiball were well written and concise, they were a little too short.

I feel that my criticisms are only nit picking and I cannot praise 6809 User highly enough. Keep up the good work.

Mathew De-Monti Lt Harrowden Northants.

**EDITOR** The reason that some reviews are short is to enable us to cram more into the magazine. If there are any CoCo3 owners out there who can answer Mathew’s other queries please write in and let us know. Why not buy a Dragon Mathew, there’s always a good buy in the classified ad’s.

**Congratulations!**

A copy of 6809 User found it’s way into my in tray the other day. It is the first Dragon magazine that I have come across for
quite a while. I knew that various groups still supported the machine, but I didn't realise that the levels of enthusiasm and support were so high. It is pleasing to know that people still care about what were very good machines. If only the display had been a little better.....

There was one article that caught my attention however, entitled OS9 - FLEX by David Rothery. There was one small point that he made that I would like to comment on, namely that "information" is sadly lacking on the two main "professional" disk systems". This isn't quite true David! There's yourself of course, and last time that I read Dragon update there were a couple of people covering OS9. Then there's us...

Quite a number of you may be aware already of us as we have existed for nearly ten years in the current form. I note that your technical editor is one of our happy crew, and I know that Simon has been aware of US too. Who? The 68 Micro-group. FLEX was that OS on which most members cut their teeth, as a lot of members built their own hardware and FLEX was the only CHEAP 6809 OS available. There are also several OS9 enthusiasts among us (myself included) who keep bashing the drum for ourselves. To give an idea, our software libraries are currently around 50 disks of FLEX software, 15 disks of OS9 software and a few of OS9-68K. Incidentally, we keep our OS9 libraries up to date with the US OS9 group. The librarians do a basic vetting of software to ensure that there are at minimum help files available, though on current submissions we try to ensure that there is also documentation. (I mention that as we might be able to help you David with the sorting that you mentioned). I don't really want to turn this into a full blown trumpet session, but if any of you are into FLEX or OS9, then I suggest that you give us a try. We are NOT a Dragon group, we are interested in anything 6800, 6809 or 68000 (in any form or flavour). We did have a lot of Dragon members when the machine was really popular, we still have a number of enthusiasts and developers left. There ARE a lot of members with broad experience, hardware and software. We are a national group with a magazine. In addition meetings are held in London and Coventry. Another group may start meeting in Sussex in the near future. If anyone is interested, then drop me a line or if you are into Comms, then leave a message on Micromola (01-316-7402 - scrolling BBS, 8, 1, no parity V21, 22, 22bis, 23). If you happen to be on CIX (01-399-5252) then my ID is "rapple". I am currently on Micronet, but won't be by the time that you read this. Sorry, It's too pricey for not a lot!

I'm not criticising you for saying that there's little support David, as I agree, there is very little commercial support here in the UK for either FLEX or OS9. I did want to point out our existence though, for any of your readers that might be interested in extending their knowledge/contacts.

Rick Applegate, 8 Great Cob, Springfield, Chelmsford, ESSEX. CM1 5LA.
YOU a sophisticated model at discount prices.

The real drawback with Matrix is that it is only available on the one number and that is in Liverpool. Now I have nothing against Liverpool as such, it is just that it is a trunk call for me. It does not even qualify for the lower rate that London enjoys. Matrix intend to extend the system to use more numbers as soon as they get enough subscribers to justify doing so. That seems a bit like Catch 22 to me, in order to widen the network you need more subscribers, but in order to get more subscribers you need to widen the network.

If you fancy giving Matrix a try, dial 051-255-0225. Use "Guest" as I.D. and "demo" as the password. V21, V22, V23, and V22bis are all catered for as are all the most common Protocols including Xmodem and Kermit.

Have you ever tried stopping your subscription to Prestel or Dialcom, as is now called. It is harder than trying to get out of a book club, I am beginning to think that it is run by the I.R.A. as it seems to operate on the basis that once you are in then you are in for life. You would think that being an online system that you could cancel subscription using Email. At least I was naive enough to think as much; however, such is not the case Dialcom insists the cancellation must be in writing. This must be because it makes it easier to throw in the bin, for that is all they seem to do with them. At about the same time that time charges were introduced for US off peak users, my company decide to ditch the Telex machine. From that day on I could see no reason to continuing the
system and started trying to extricate myself for it. Matters came to a head when I overlooked a bill and got a threatening letter. Pay up or we will close your account and put this bill in the hands of a Debt Collecting Agency. I belive in paying my debts so I sent them a cheque along with a letter saying "yes, please close my account". That has at the end of January and what have I just received? A bill for my next three moth's subscription. This time I think I will just have to take my chances with the boys from the Debt Collecting Agency.

What qualifications do you need to be a politician? Do you have to have your brain removed surgically or must you be born without one? I ask these questions having just heard an interview with one of our beloved M.Ps on the Today programme on Radio 4. The introduction went something like this "Information technology is a subject about which few members of parliament would claim to be knowledgable, but one member who knows more than most is Mr ??????????????" (the name has been left out to protect the stupid). The illustrious member then went on to espouse the case for making hacking illegal, a subject we have already dealt with in a previous issue. It was the somewhat emotive example that got to me. "Suppose", he said "one of these hackers was interfering with an aeroplane's flight computer and caused the plane to crash. How could He say to the public that we knew it was going on, but could do nothing about it". Hands up all you hackers who can gain access to a computer that has no external inputs, not even by radio let alone telephone. The flight computer gets its information from the planes instruments and from the pilots and so requires no external connections. It might be possible to confuse the navigation computer since this rely on sattelite beacons. However, you would need some pretty expensive equipment to do it. If that is some one who knows more than most then heaven help the rest of them. Just think these are the people with whom we entrust the future of the nation, no wonder it is in a mess. Perhaps a better example to use would have been the Air Traffic Control computer at West Drayton. Imagine the chaos that could be caused by planting a virus in that. Still, they wouldn't have that connected to the public telephone system. They would not be that stupid, would they?, Those of you who used to use the Micromola board might like to know that I heard on the grapevine that Tom Goodfellow has ironed out the problems with the software; and that if you can use Jolly Rodger you should also be able to chat to Tom once more. In case you don't already know Tom's number is 01-542-4977.
P. C. Fonts by Ken Smith.

So what is it? is my phone tapped? the house bugged? or is some one spying on me?. Maybe it is just coincidence, but no sooner had I finished moaning, about the fonts available for Desktop+, than the the postman delivered a disc that rectified the situation. What am I going on about? twenty new fonts for use with MacGowan's Printer Control and Desktop+ that's what. The surprise is that it comes not from MacGowan consultants, but from Knight Computer Services, the people who gave us the wonderful Dragon Graphics Studio.

When I reviewed Destop+ I said that an eight by eight matrix for characters somewhat limited what could be achieved. Which only goes to shom how limited is my imagination. Copperplate characters are still out of the question, but what Knight Computer Services have acheived is quite remarkable. Users of the Dragon Graphics Studio will recognise the fonts as being the same as those supplied with their art package, and this is indeed the case. A converter program is provided to change any other fonts, created for Graphics Studio, to the Printer Control format. The main purpose of the bit image printing on Desktop+ is for producing headlines, a task which normally involves enlarged characters. It is this that shows up some fonts as being a bit ragged. Others, however, are quite outstanding, Outline, Bold, Shadow and Alphabet produce excellent headlines at all stages of enlargement.

Also included on the disc is a font editor that leaves the Desktop+ version in the shade. Working on an enlarged grid printer is required. I mention this because Printer Control and Desktop+ are sold as printer specific systems, specially taylored for the machine you use and as such they adjust the graphics printing. This means that if Printer Control drives your printer then PC font will work also. The only exception being daisy wheel printers.

I have not yet been advised of the price for this suite of fonts and programs, but I believe it to be around £2.00. This being the case I expect all MacGowan's customers to be reaching for their cheque books. It does so much for the system you cannot afford to be without it.

P.C. Fonts (requires Printer Control or Desktop+) From: Knight Computer Services 76 Eltwall Road, Hall Green, Birmingham B28 0LE. Tel: 021 777 2477.

**ACTUAL PRICE =£4.99**

PROGRAM: "Balldozer". SUPPLIER: Kouga Software. TYPE: Arcade game PRICE: £4.00 inc P&P. REVIEWER: Justin Dolick.

Balldozer is one of the best games that I have seen in a while for sure. Balldozer bare's a definite resemblance to an arcade gave I've seen called Arkonoid, or something like that anyway (!) who said arcade games don't come out on the DRAGON ane more ? (I don't know there seems to be plenty of new releases.
around - Ed) so if you like to see arcade games on the DRAGON then Balldozer is for you.

Balldozer is your typical "Breakout" game, but with a few exciting extras added. There are 7 in all, a laser, the catch, double speed, power ball, slow ball, move to the next screen, and bonus life. These all come double speed; all these are operated by pressing either of the shift buttons. The other, you've guessed it don't. You may only have one of each class at a time, and to change what you have, you just need to catch another bonus and it will automatically be replaced by whatever you have just caught, except for the slow down ball, the power ball, and the laser which all disappear after ten seconds.

Super Writer II by Ken Smith.

If you can cast your mind back to the days when Dragon Data was still trading, maybe you will remember a cartridge based Wordprocessor called Super Dragon Writer II? It appeared shortly before the collapse of Dragon Data and seemed to get lost in the whirlpool of events that followed. All that I ever saw of it was one very favourable review in Dragon User and two or three letters complaining that the cartridge has a sloppy fit in the slot and a poor connection meant that you lost all your text. This obscurity was ended for me when the postman delivered a copy of Super Dragon Writer II Disc Upgrade from H.C.Anderson Computer A/S. It seems that Hans has managed to acquire all the cartridge software versions and has now produced a disc based system, aimed at those who bought the original cartridge and have since move up to a disc system.

Because the disc is copy protected two discs are supplied. If one disc fails simply send it back and use the back up copies and thereby reduce the number of illegal copies floating around. I can see the logic in this though I must admit I doubt the wisdom. If someone is determined enough to have photocopied the one hundred and ten page manual then copy protecting the disc is not going to stop them. Another thing that should be noted is that Super Writer will only run on Dragondos V1.0. If any of you noticed that this review has been delayed then you are about to know the reason why. I normally run Superdos E6 in my Cumana cartridge and have still kept my Cumana DOS EPROM. However, the system refused to boot up using either chip. Not until I layed my hands on V1.0 chip could I get started.

Super Writer really scores in the areas that let other Dragon based word processors down. There are four different to a staggering 85x24 in addition to this the windowing accomodated normally on the screen. Lines up to 255 characters long can be used, long enough to suit even the widest printer carriage. This last factor gives a clue to nature of the program, as it is normally only commercial printers that would use this feature. Super Writer II is intended to be as near as possible to a professional word processor without the
need for a different operating system. To this end it automatically adjusts to the memory capacity of the machine making it possible to fit almost 38K of text into a Dragon 64. Most system commands can be implemented by a two keystroke method which uses the clear key as a control key. Headers and footers can be incorporated into the text and can be printed on every page, alternate pages or only used when required. Single drive or multiple disc systems are supported as are both parallel and serial printers. According to the manual the latter is even available on a Dragon 32. Yes, I know it does not have a serial port, but apparently it is possible to use the "STROBE" line of the parallel port as the data line of an RS-232 output and because a printer only needs receive then that is all that is necessary. When run on a 64K machine the system automatically uses the serial port provided.

Using the system is a revelation, the 51 column text is so easy to read that it makes editing simple. You can toggle between character insert and type-over and if in the insert mode large amounts of text can be entered and space is automatically made for it. However, it is best to remain in type over mode unless YOU need to insert because the screen display is updated faster and this makes life easier for the "type ahead" facility. There are only ten single key printer commands available, but these are all redefineable both via the command mode or through format codes imbedded in the text. As an aide memoir you can write comments in the edit window. Comments which will not appear on the printed page. For instance if you change the printer codes you can write as comments what the keys now represent. These comments will appear in the edit window, but will not be printed. Right justification is available with or split over two lines or not. In addition it is possible to use "non-spaces" which means that although space appear, for the purpose of justification, they will be treated as one word and will not be split. All the usual word Processor features are present including the most sophisticated locate and change facility that have seen on a Dragon. It allows the use of wild cards, making it possible to correct a variety of mis-spellings in one go. As all files are saved in ASCII format, it is possible to write BASIC programs. The editing facilities surpass the Dragon's line editor in every way. Super Writer is not truly a WYSIWYG system, but it does come very close. Different font styles and sizes are not displayed however, using the format window it is possible to see your text without all the system or printer commands. All positioning commands will be obeyed as will justification. What you see on the screen will give a very good idea of how the printed page will look. The text may be scrolled up, down or side ways and in this way can display the whole text no matter how large. In fact the system is so slick that it comes as a surprise when YOU do find a fault. however, there is one that I cannot let pass. To have adjust the margins every time you change font size seems somewhat old fashioned and is certainly out of place on this system. The handbook is quite comprehensive, though not exactly good bedtime reading.
So things could be a little better explained with more examples but since it also attempts to deal with basic wordprocessing techniques, space is a bit limited. The disc upgrade comes with just a few sheets of paper covering the additional disc commands. A Help key (clear ?) is provided but this only lists the commands and shows their display characters. To find the necessary syntax requires the manual. The handbook also contains a glossary where a lot of the jargon like right justification, non-spaces and flush rights are explained. For tape users the cartridge version of Super Writer II represents the most sophisticated wordprocessor you are likely to find and this is reflected in the price of £32. Disc users, however, have a greater choice and although Super Writer's range of screen displays and versatility cannot be challenged the price of £22.00 for the disc upgrade will make a lot of people think twice. Realising that it could be possible to sell the disc version to people who had not bought the original cartridge, H.C. Anderson are able to supply a photocopied manual for ten pounds extra. If you think that this is the system for you, then you might like to know that my spies tell me that John Penn Discount Software (Who were kind enough to supply the additions to the manual supplied with disc upgrade) have a limited supply of the disc version. John's price is a more sensible £12.00. Unfortunately the full manual is still only available from H.C. Anderson. The real cripper for me is the fact that it is DragonDOS dependant. Having to change the EPROM everytime I want to use the word processor is not my idea of heaven. With the number of other controllers being used these days, being limited to one only is going to put a real dampkr on sales. So how about it you chaps, how much work would it take to make it Dos independent?. YOU would significantly increase your market.


* Program : RAE Maths Tester Supplier: Sunnysoft Price: £4.99

RAE stands for Radio Amateurs Examination. This program, available The topics covered are varied and cover amongst others, ohms law, provide students with a means to testing their understanding of basic, but not all of the problems; it is difficult to see the reason for for all of the problems, it is explained that the idea is to provide a means of testing not teach. The program is a computerised version

Please send all software for review to 6809 User, 37 Collins Meadow, Harlow, CM19 4EN.
6809 User Vouchers

6809 User and a number of Dragon companies have got together to offer you, our subscribers, exclusive discounts. To take advantage of such discounts, simply return the printed voucher, adding your membership number (printed on the envelope containing this edition).

**Condition of Use:** Where voucher states a monetary value and not percentage discount, only one voucher may be used per order.

<table>
<thead>
<tr>
<th>NEW ERA PUBLICATIONS</th>
<th>KOUGA SOFTWARE</th>
</tr>
</thead>
<tbody>
<tr>
<td>10% OFF</td>
<td>50p OFF</td>
</tr>
</tbody>
</table>

This may NOT be used for the purposes of subscribing/resubscribing to 6809 User

<table>
<thead>
<tr>
<th>CAPRI MARKETING LTD</th>
<th>COMPUSENSE LTD</th>
</tr>
</thead>
<tbody>
<tr>
<td>10% OFF</td>
<td>10% OFF</td>
</tr>
</tbody>
</table>

On orders over £25
FASTER OS-9 with EXPRESS/OS-9
get a DRAMATIC improvement to performance with
the DRAGONPLUS and EXPRESS/OS-9.
EXPRESS OS-9 cache buffer system £16.95
OS-9 Business Software invoicing/stock recording,
sales/purchase ledger, labelling £35.00

DRAGONPLUS EXPANSION for DRAGON
64 £103.50 (£2.50) ready to fit
FLEX drivers update disk £5.75
OS-9 Drivers update disk £5.75
EDIT+ cartridge for DRAGONPLUS £11.95
EDIT+ DragonDos Disk for DRAGONPLUS £8.95
EPROM PROGRAMMERS
Mark 2 - Assembled for DRAGON32/DRAGON64
reads/programs up to 27256 £55.00 (£2.00)

CARTRIDGE SOFTWARE
for DRAGON32 and 64
DASM/DEMON assembler/monitor £11.95
EDIT+ 51 by 24 HIRES text and graphics screen and
full screen edit for BASIC £11.95
DRAGON DOS SOFTWARE
DASM/DEMON assembler/monitor £8.95
EDIT+ 51 by 24 screen and full screen edit £8.95
DYNAFAST BASIC compiler £8.95
Fast menu driven compilation direct from disk. With
DYNAXREF cross reference and DYNAMISER
Basic optimiser utilities
CHAT/VIEWDATA Prestel Software £11.95
for DRAGON 64 only - requires modem
DASM/DEMON available for CUMANA DOS and
Tandy RS DOS

COLOSSAL CAVE ADVENTURE
Complete Version on disk £9.95
DRAGON 64 only - any DOS

FLEX SOFTWARE
The universal disk operating system for the DRAGON
64 Available for DRAGON DOS/CUMANA/DELTA DOS/SUPERDOS and all disk formats
FLEX Operating system £99.99
with Editor, Assembler, DBASIC

FLEX Utilities *
SP-EDIT Word Processor/Sp
DYNACALC Spread Sheet *
RMS Database *
LUCIDATA PASCAL
CRUNCH COBOL
An excellent implementation of a commercial programming language
6809 DEBUG *
SORT/MERGE *
XBASE *
FLEX DIAGNOSTICS *
FLEX BARGAIN PACK: FLEX ASSEMBLER, DBASIC, DRAGON
SP-EDIT

MANUALS (No VAT)
FLEX ADVANCED PROGRAMMING
FLEX MANUAL (Operating system
DRAGON FLEX IMPLEMENTATION
General FLEX APARTATIC
Other Manuals (marked * above
Original DRAGON 32 Manual

COMMUNICATIONS :
for DRAGON 64 with FLEX
CHATPLUS2 universal pack
CHAT/VIEWDATA Prestel
XMODEM Upload/Download
CHAT COMBO communications
includes CHATPLUS2, CHA
XMODEM Upload/Download
CHAT/VIEWDATA available for DRAGON

PC-CONVERT
transfer your DRAGON DO
programs and data to an IBM
Supplied on standard PC/MS
54 Dawlish Av, Palmers

COMPUSENSE Ltd, 68A WILLOUGHBY LANE, LONDON
RUN DRAGON SOFTWARE ON A PC

strictly for serious users of DRAGON FLEX and
OS-9. Our PI-6809 coprocessor card for the PC or
compatibles (eg. Amstrad 1512/1640/2086) lets you run
FLEX and DRAGON-OS-9 using the PC's screen,
keyboard and disk drives. FLEX and OS-9 can even
use the PC's hard disk. DOS, FLEX and OS-9 can all
be active at the same time - just switch to the one you
want to use. Transferring data between DOS, FLEX
and OS-9 is easy and fast. You can use DRAGON
format diskettes directly in the PC's drive and there is
an optional addon disk controller which lets you use
existing DRAGON disk drives. SEND S.A.E for
details. We may make PI-6809 available as a kit -
please ask for details.

OS-9 68K on the ATARI ST

complete packages available with: editor, assembler,
debugger, BASIC, PASCAL, C, DYNACALC,
STYLEGRAPH and SCULPTOR. SEND S.A.E. for
details.

SPECIAL OFFERS

A limited number of functioning and non functioning
DRAGON boards ideal for spare parts. From as little
as £1.00 each. Please enquire.

BRAND NEW Super SAM CHIPS - 74LS785 (later
version of 74LS783) £15.00
10 5.25" DSDD Diskettes £9.45
DRAGON ROM Cartridge: uses 2732/64/128 ROMs
bare Circuit Board £4.50
Plastic cartridge box/case £0.50
Assembled with box £7.50
Keyboard sticker (as supplied with EDIT+) £0.35
Portable printer Brother HR5 - 2 only £39.95 (£3.00)
Dragon Disk controller circuit diagram £1.00
Motorola 6809 machine code reference card £0.50

Prices are in Pounds Sterling and include VAT
where applicable
Minimum P&P £1.50 per order
exceptions in brackets eg. (£2.50)
ACCESS / VISA / MASTERCHARGE accepted

N N17 OSP PHONE 01-885 3300 FAX 01-801 2640
teen, London, N13 4HT
ADVENTURE

ADVENTURE'S LAIR by Robert Cleminson

Isn't it amazing how time flies, it seems only the other day I was putting the finishing touches to the column for issue 10 and yet here I am trying yet again to find things to put in for issue 11. In the last column while answering EDDIE FREEMAN's query I got to thinking (this tends to rot the brain if continued over a lengthy period) just what is an adventure? Well if you take the stereotype from films, TV, or books you get a handsome male, mensa member who can and frequently does, do anything better than the experts, and who requires no help other than, to be supplied with gadgetry (executive toys) to make things even easier. Real life adventurers, however, are very different, they frequently have to provide all they need on their own and if something isn't available improvise. They also endure hardships and privation and yet their, modesty makes them the unsung heroes of their time.

Now why you are asking yourself (if you're not you should be) am I dravelling on like this. (provarocating does not get the column written get on with it - Ed) O.K. hang on, my point is that the computer adventurers don't have to endure anything beyond the effort of spending a few hours mapping (don't tell me you still don't do this) and puzzling over the best way round a particular problem in whatever adventure they are into at that particular moment. So why I ask myself (and you) am I not receiving any solutions, hints, tips, or calls for help, are all the adventurers out there in the mould of the stereotypes I mentioned previously and if that is the case why aren't YOU writing hundreds of new adventures. Now don't get me wrong, I am NOT bitterly complaining and berating you for not writing in I am simply stating the facts as I see them, after all I also prefer doing adventures to spending my time (which does at times become strictly limited due to the fact that when I took over this column I wisely kept my regular daytime job (eating costs such a lot these days) thinking up things to put in YOUR column. I could simply take the easy way out and fill the column each time with another solution and a few tips. This would mean at present publication schedules that I would run out of solutions in about three to five years assuming I couldn't solve any more in the mean time. So all you adventurers (and adventur-sess) start looking through your collection of solutions and half completed adventures and send them in and keep Simon, so busy that he will have to print a request
for you to go easy on him. Having said all that, now is the time to print the rest of Mathew-de-Monti’s tips:

CAVERNS OF DOOM:- to open the tool chest - examine skeleton, get key, unlock tool chest.

TANGLEWOOD:- To get gold coin - tell beanbag to dive into the pond and search for it.

To make rock cakes - get flour from the mill and cook cakes in dogwood cottage kitchen.

WINGS OF WAR:- To find the black box - drop the frog into the water in the cellar.

SEA QUEST:- To find the alcohol for the pirate - dig in the cave. Thanks for the tips Mathew, hope to hear from you again.

THE solution this time round finishes the Microdeal series of adventures, which started with Mansion, this one is called ULTIMATE ADVENTURE.

Now this isn’t strictly an adventure in the sense that the portholes connecting the locations randomly malfunction causing you to be relocated at a location other than the one you were heading for and can make mapping and moving about as difficult as though you were in a permanently changing maze. As the treasures you must collect can be collected in any order there is no strict sequence of events to be followed. On start up the treasures are located as follows. The bag of gold can be found in the empty room. The bag of jewels and buried treasure can be located in the desert. The box of collectables can be found on the ocean. The S’Jr,ken treasure, surprise surprise is under the ocean. The raffle ticket is up in the arctic. The ring is in the minefield. To collect all of the treasures you must not only visit the appropriate locations (which can meandering through locations not containing any treasures) but you will require an assortment of useful objects which can be purchased in the market. The buried treasure requires a shovel to dig it up and the sunken treasure requires both a raft and a diving suit (don’t forget to drop the raft before trying to dig as you cannot go down whilst holding on to it). Once you have found all the treasures you can take them back to the market and if the amount you have exceeds $1000 you have won the game. However as you will invariably have to cash in some of your treasure in order to purchase all the useful objects you need during the game you may find ever after you have found the last of the treasures you still don’t have enough to win, this causes no problem since on finding the last remaining treas-
ure all the treasures are reallocated for you to find again until you have the necessary amount. Given the varied types of location you will find that to enter certain locations you must have the appropriate object for your protection and survival, eg:- you can't go to the cave without a flashlight, or go down in the ocean without a diving suit. As the number of treasures you have increases the number of useful items you can carry diminishes (you can overcome this handicap by leaving some of the items at locations where they can be reused at a later date, ie:- the diving gear and raft can be left on the beach. The INFIRMARY location should be carefully noted as each time you visit it your health points are renewed. The time taken to find any one treasure at a location can vary as you may have to search the area several times before finding anything and occasionally one location has two treasures, but never more than this.

Should you require a map of any solution printed here they are available for the princely sum of 10 each or a grovelling letter accompanied by some tips from your own adventures or an article for the mag.

My tips for this issue are:-

UNDERBEINGS OF CROTH:- Can't get rid of the toothworm - open the cell door then get the worm to follow you. Hide in the crevice and when the worm enters the cell slam the door.

Having trouble getting the box from the wall - Try filling the well with water (twice).

Want to know what the owl is carrying - feed it with what owls like best.

PYRAMID OF DOOM:- DON'T ignore the stone outside the pyramid it holds the key to hieroglyphics.

Once inside (you mean you didn't look in the pool for the key) remember oysters like to eat occasionally.

FISHY BUSINESS:- another oyster here, but this one likes music.

Unable to open the black door - cast pearls (before swine of a door)

SECRET MISSION:- Having trouble getting through the white door - try pushing buttons in the coloured sequence red, white.
THE ALTERNATIVE MICRO SHOW by Ken Smith

No it was not an all fools day joke, there really was an Alternative Micro Show in London on April 1st. If you didn’t go then the joke is on you. It was held in the new Horticultural Society Hall, just around the corner from where the old 6809 shows were held. It brought back memories to see the queues out side the old hall, however, these people were waiting to get into the Mineral and Gem Show. The new hall is in Grey Coat Street and is surprisingly in that the entrance is somewhat dull and dingy and despite being built in 1928 it looks more dated than the old hall. Inside the hall is a good deal bigger than the old hall with plenty of natural light.

It was once inside that the disappointment hit me. TI99, Enterprise, Jupiter Ace, QL, Einstein and even Coleco Adam, all had user groups representing them. Why no N.D.U.G. our only supporters were Prestons and Capri Marketing. Now I know I have said this before, but it bears repeating. There are thousands of Dragons out there in the hands of people who having bought them second hand do not know about user groups or software houses or even magazines. They are still playing the games they got with the machine and do not know it can do anything else. No matter how many Dragon shows you attend you will never reach such people because they do not know that such shows exist. By exhibiting at some-

thing like the Alternative Micro Show you or Tandys themselves, know owners who are ignorant of any support for the machines. Present such people with, a Dragon handbook or show them what can be done with our machines and we reach a new group of readers, members or customers. Even if we do not make a fortune on the day, the exposure is important. I was chatting to one exhibitor (offering modems that were auto everything) and mentioned that I had a Dragon. His response was to smile and say that he used to have one and that his friend has recently acquired a D64. Was he surprised to learn that there was still going. He went on to tell me how good Televiwriter was and seemed amazed when I told him that, it was now old hat compared to the word-processors available for the Dragon. Of the thousand or more people that attended how many others were like that exhibitor. The "we" I keep using is not meant to be a royal "we" there either.

The lack of 6809 support was doubly disappointing because this show really was the place to be, especially if you required any hardware. Where else could you get an unused 80 column dot matrix printer for sixty pounds. Yes that's right 60 pounds for a SeikoShya GP250. I know it isn't state of the art equipment, but it was to all intents and purposes brand new and perfectly servicable for someone who does not need near letter quality etc. I also saw monochrome monitors at forty pounds and three and a half inch disc drives at sixty five pounds each. However, the bargain of bargains had to be the Tandy Modems offering V21 and V23 for a tenner each. I bet you wish you had gone now don't you.
It was not just the hardware that made the trip worthwhile. Just seeing what the others were doing was interesting.

MSX was dismissed by many people, including myself, as being out of date before it was launched. This was largely true, but it does not alter the fact that the graphics are superb for an eight bit machine, and people are now writing software to take advantage of this. Superb music was being made by a group of people with an Einstein connected to a variety of keyboards. An unusual, but very popular addition to the show was the Bring & Buy stall.

Visitors brought there surplus equipment or software here and it was fold on a ten per cent commision, but what seemed like junk to me could have been a valuable source of spare parts to some one else. If you were quick you could also pick up the odd cast-off that was fully operational and may be just what you wanted.

All in all it was a great show marred by the lack of 6809 supporters. Prestons were doing their bit, but they cannot do it all alone. While on the subject of Prestons I noticed some new additions to treir range. They now have all the old Oasis titles such as Chess and Petite Pascal, plus two favourites from Melbourne House, namely Hungry Horace and Horace Goes Skiing. Well I have had my little moan, now I will shut up. The next Alternative Micro is in November. I will be there, will you?

DELIghtS FOR DOS

By Roger Quaintance

Many programs and utilities have been written and published for Dragon/Cuma- na DOS’s including a version of this onewhich was originally published in Dragon User”.

Delta DOS users have in the past received the short end of the stick. To try and redress the balance, this program, has been adapted by Alan Davidson-Grey, using some I/O routines by Terry Riley.

Have you ever wondered which disk your masterpiece circa 1987 was on or if you have backed up your Tax return (what do you mean you don’t pay tax), or where you put "thingamajig", you know the one that started with "los.....", but cannot remember the rest. Well stop worrying MASTERDISK will not only do these searches for you, but also gives you the option of printing a directory, to screen or printer.

MASTERDISK, reads the directory track of your disk’s and files them on one master disk, “MASTERDISK”, get it. Magic! all the information that you could possibly want on one disk.

You must INITiaise a new disk and instal Mastdisk as the first file on it. Do not save any other programs to that disk, only the files created by "Mastdisk". You should be able to catalogue approx 90 disks.
1 REM**MASTDISK****
2 REM*DELTADOS VERSION*
3 REM*(C)SUNNYSOFT 1989*
4 REM*--------------------
5 CLEARLS: Venez A(90), T(90), A(100), T(100): BA"="A": GOSUB93
6 CLS:PRINT$; "DISK DIRECTORY": PRINT"1...PRINT DISK DIRECTORY":PRINT"2...SAVE DIRECTORY TO MASTER": PRINT"3...SEARCH MASTER FOR PROGRAM": PRINT"4...DIRECTORY OF SAVED DISK": PRINT"5...KILL SAVED DIRECTORY"
7 ON VAL(INKEY$)+1 GOTO 7, 9, 33, 51, 70, 78
8 GOTO 7
9 CLS:B=-1: PRINT$[S] FOR SCREEN [P] FOR PRINTER*
10 AS="INKEY$: IF AS="S" THEN DN=0 ELSE IF AS="P" THEN DN=-2 ELSE IF AS=CHR$(13) THEN
11 EN DN=0 ELSE 10
12 PRINT$DN
13 IF DN=-2 THEN INPUT$;DISC TITLE"; A$; PRINT$-2, CHR$(14); "DISC ""; A$; CHR$(15); CHRS$(13); STRINGS$(80, ":") ELSE PRINT$TAB(7); "DISC DIRECTORY"
14 EXEC&H4818
15 REM***READ RECORDS***
16 D=L!H4D25
17 FOR X=L!H4B46 TO D STEP 24
18 IF PEEK$(X+8)="&HES THEN 19
19 GOSUB21
20 NEXT:GOSUB29: GOSUB99
21 GOTO 6
22 IF Z=1 TO I+7: A$=A$+CHR$(PEEK(Z)): NEXT: "GET FILENAME"
23 PRS=".
24 B$="": FOR Z=1+9 TO I+11: B$=B$+CHR$(PEEK(Z)): NEXT: "GET EXTENSION"
25 IF B=DN=-1.5+2 THEN B=0
26 IF B=0 THEN PRINT$DN
27 PRINT$DN, TAB(B*16+1) A$; TAB(B*16+9) ";", B$;
28 RETURN
29 IF DN=-2 THEN PRINT$-2: PRINT$-2, STRINGS$(80, ":") PRINT$-2, CHR$(13)
30 PRINT$PRESS [ENTER] TO CONTINUE"
31 IF INKEY$=CHR$(13) THEN 31
32 GOTO6
33 PRINT$:PRINT"PLACE SOURCE DISK IN DRIVE"
34 GOSUB99
35 B=0
36 EXEC&H4B18
37 D=L!H4D25
38 FOR X=L!H4B46 TO D STEP 24
39 IF PEEK$(X+8)="&HES THEN 42
40 GOSUB43
41 B=B+1: A$(B)=A$: TS(B)=B$
42 NEXT:GOT048
43 I=X
44 A$="": FOR Z=1 TO I+7: A$=A$+CHR$(PEEK(Z)): NEXT: "GET FILENAME"
45 PRS=".
46 B$="": FOR Z=1+9 TO I+11: B$=B$+CHR$(PEEK(Z)): NEXT: "GET EXTENSION"
47 B$="": RETURN
48 CLS:PRINT"DIRECTORY LOADED": PRINT: PRINT"INSERT MASTER DISK": PRINT: INPUT"NAME OF DISK FOR SAVE": NMS
49 CREATE NMS, 3: OPEN1, NMS: FOR A=1 TO B: PRINT$1, A$(A): PRINT$1, TS(A): NEXT: A:CLOSE
50 CLS: PRINT"DIRECTORY SAVED": GOTO 6

26
51 PRINT"PRINT*INSERT MASTER DISK*";PRINT;INPUT"ENTER PROGRAM NAME";INM$  
52 EXEC&H4818  
53 D=&H4D25  
54 FOR X=&H4846 TO D STEP24  
55 IF PEKEK(X+8)=&HE5 THEN57  
56 GOSUB59:IF X$="BAS" THEN 57 ELSE GOSUB62  
57 NEXT:PRINT;GOSUB89  
58 GOTO 6  
59 I=X  
60 A$="":FOR Z=I+7 TO I+7:XX=A$+CHR$(PEEK(Z)):NEXT:XX="":FORZ=I+9TOI+11:XX=XX+CHR$(PEEK(Z)):NEXT:  
61 RETURN  
62 OPEN1,A$:IF EOF(I) THEN 66  
63 INPUT1,A$,A2$  
64 IF INSTR(A1$,INM$)THEN PRINT"DISK-";A$;TAB(14);"PROG-";A1$;TAB(25);A2$  
65 GOTO 63  
66 CLOSE1:RETURN  
67 PRINT"SEARCH COMPLETED"  
68 GOSUB89:GOTO6  
69 'FFFF SAVED DIRECTORY FFFFF  
70 PRINT"INPUT*NAME OF FILE*";INM$  
71 PRINT"PRINT*DIRECTORY DISK *";INM$:A=1:OPEN1,INM$:IF EOF(I) THEN 76  
72 A=A+1:IF A=2 THEN A=0:IF A=0 THEN PRINT  
73 INPUT1,A$,B$  
74 PRINTTAB(A*15)A$;TAB(A*15+9)B$;  
75 GOTO 72  
76 CLOSE1:GOSUB89:GOTO 6  
77 'FFFF KILL DIRECTORY FFFFF  
78 PRINT"DELETE DIRECTORY":PRINT:PRINT"PRINT*ONCE A DIRECTORY HAS BEEN KILLED IT CAN NOT BE RECOVERED!!"  
79 FOR A=1 TO 4:SOUND1,3:SCREEN0,1:SOUND10,3:SCREEN0,0:NEXT A  
80 PRINT"INPUT*KILL WHICH FILE*";INM$  
81 IF INM$="" THEN 6  
82 PRINT"PRESS ANY KEY TO ABORT"  
83 A$=INKEY$  
84 FOR A=1 TO 9:SOUND&H0E,A$:PLAY"L2P4"$:IF INKEY$<>("/>" THEN 6 ELSE NEXT A  
85 SCREEN0,1:SOUND1,8  
86 KILL INM$:GOTO 6  
87 IF !=-160 THEN SOUND 100,5:SOUND 50,2:PRINT:PRINT"NO SUCH FILE FOUND":GOSUB 89  
88 GOTO 6  
89 PRINT"ERROR...":"!,"IN LINE"!:GOSUB89:GOTO 6  
90 A$=INKEY$  
91 PRINT"PRINT*PRESS [ENTER] TO CONTINUE*"  
92 IF INKEY$<>("13")THEN 91  
93 RETURN  
94 FOR 1=&H4818 TO &H4842  
95 READA$=POKEI,VAL("&H"+A$):NEXT  
96 DATA BD,C0,18,C6,80,BD,C3,75,8E,48,46  
97 DATA A2,82,S4,06,9F,20,BD,DI,81  
98 DATA35,86,10,83,80,12,2A,8A,9E,20  
99 DATA38,B9,80,F8,CB,01,20,E7,BD,C0  
100 POKE&H481C,(ASC(BAS)$-65)  
101 RETURN
What the Papers say by Simon Jones

The Dragon has been subjected to an unusually high amount of attention in the national computer press this month.

Leading the way, 6809 User subscriber Alexander McIntosh from Edinburgh defeated the Dragon's popularity in the New Computer Express (edition 25), New Computer Express, two editions later, also asserted their definition of the Dragon, which they described as "obsolete, confined only two alternative shows and small (but hardy) user meetings." I only hope they are present at one of these "small user meetings" on June 3rd.

Popular Computing Weekly found time to snigger when a Dragon owner wrote in with a technical query. Their "expert's" response was to advise the owner to return to his cave, although to be fair, they did give NDUG's address.

** What the Papers Say In a new column devoted to monitoring the Dragon's coverage in non 6809 specific publications. If you have something we may be interested in, please write to the usual address.

New from New Era

NEW ERA PUBLICATIONS have just announced two new releases.

The first is a comprehensive Basic/machine code utility enabling screen dumps on the GGP-115 Colour printer.

New Era have also released a publication, available for four months only, entitled "The Invader's Summer Diaries." Simon Jones describes the publication, available to £3.00 for the complete set, as a "light hearted look at the Dragon market - which may cause a few eye brows to be raised, if not a few chuckles to be voiced."

Paul Grade, chairman of the NDUG, will be writing a regular column for the journ-als. "If Paul was afraid to say it in Update, he certainly will not be afraid to say it here," says Simon.

The Invader said: "The only reason I'm writing it is to get a free copy."
PERIODICALS

DRAGON GAZETTE: The bi-monthly, 100% professionally produced, newsletter alternating with 6809 User.

NOW available separate from 6809 User at only £2.50 for an annual subscription.

DRAGON DIRECTORY: The bi-monthly supplement to our Dragon Users' Handbook, incorporates over 200 names and addresses of companies, user groups and users, along with listing every item of software launched up to the period of publication Subscription: £3.95 p.a.

MACHINE CODE ON YOUR DRAGON: Unlock the mysteries of your machine with our exclusive machine code series from Marshall Cavendish's "INPUT". Incorporates breathtaking illustrations/listings and is refreshingly simple to learn - taking you step-by-step to the level of 'expert'.

Subscription: £6.95 p.a.

GARMENTS

Stand out from the crowd!

Top quality garments printed with "6809 User The Dragon Roars On!", also featuring the Dragon logo.

Available in all sizes and printed in red, unless otherwise stated.

'T' Shirts: £5.95, Sweatshirts: £8.95, Sports-shirts: £10.95, Vests: £6.95, Hooded sweatshirts: £11.95, Jog bottom: £17.95, Baseball caps: £4.95, Boxer shorts: Coming soon!

Please allow 28 days for delivery (baseball caps: please allow 7 days for delivery).

**PLEASE ADD 75p p&p

SOFTWARE

ACCOUNTANT PLUS: Utility to keep simple records of transactions. Now reduced to 1.95 (tape only). WE NEED YOUR SOFTWARE: UP TO 50% royalties paid to all Software published by New Era Publications.

NEW ERA PUBLICATIONS, 37 Collins Meadow, Harlow, Essex CM19 4EN

6809 User - the no.1 magazine

Published bi-monthly, 6809 User is the Dragon's most popular magazine, now featuring:

* 10-15% DISCOUNT from Computeuse Ltd., Calm Marketing Ltd., Kouga Software, H.C. Anderson and New Era Publications (most subscribers receive the amount spent on their side within three months!)

* FREE subscription to The Dragon Gazette, New Era's bi-monthly newsletter alternating with 6809 User.

* 100% PROFESSIONALLY printed, typeset and collated - based on the design of Dragon User.

* SUPERB features, from ex. 'Dragon User' contributor, K.G. Smith.

* ALSO FEATURING, OS-9/Float Column (With ex. 'Dragon User' contributor, David Rothery, reviews, readers' forum, listings, programming features, adventure helpline, and top news column).

* ALSO FEATURING, unique hardware series in co-operation with Greencraft Electronics, in which Martin Cleghorn (ex-technical advisor to Peizaft/Harry Whithouse) shows you how to transform your Dragon.

* WHAT THEY HAVE SAID: "Packed with hints and tips. The DAILY MIRROR (8/12/88), "Improved immensely...why don't you subscribe?", DRAGON UPDATE (March 1989).

* SUBSCRIPTION: Only £7.00 p.a.

6809 User: Taking over from where 'Dragon User' left off.

BOOKS

THE DRAGON USERS' HANDBOOK: Featuring EVERY game, utility, book, magazine, hardware, accessory, user group etc., currently available for the Dragon! The original book, plus update to May 1989 is now available for only 1.95.


DIY HARDWARE

SERIAL PORT: Build your own Serial Port (invaluable to Dragon 32 users), with New Era's complete kit and instructions (by Martin Cleghorn). Available for only £24.50, or instructions alone are available for only £1.25.

DRAGON MOUSE: Interface a mouse for your Dragon. Complete kit and instructions available soon. Please write for details.

BEEB CONVERSION: Convert your Dragon to run BBC programs, while retaining your Dragon's features, complete kit and instructions available soon. Please write for details.
WRITE TO DAVID
C/O 6809 USER,
37 COLLINS MEADOW,
HARLOW,
ESSEX,
CM19 4EN.

Flex-OS9, by David Rothery

Well, it certainly seems as though there are still quite a few of you out there there - and quite a few interested in Flex or OS9, to judge by the letters I've had. I try to answer them all, and will include some of your points in my column. First, some problems with Flex which I hope some of you experts will feel challenged to solve. First, has anyone got a Flex boot which works on Tandy machines? If so, Eric Hall would like a copy, as he wants to get Crunch Cobol to work on his CoCo. Talking of Flex Cobol, I have received a review copy from Stan Opyrchal of Compusense and will be aletting you have my comments when I have had time to assess it. Also, does anyone know how to patch Flex Dynacalc for 80 column use? Chris Jobson and others would like to know, and Compusense were not able to give me any help with it, I will pass on any help I receive to the appropriate person. I have had a few Flex problems myself recently. It all stemmed from changing by dist drives to switchable Mitsubishi. I was able to format 80 track double sided without trouble, but when I copied over my system disk, everything went okay until I got to a large file like ASM. It then gave an error 9 (Disk file read error) and aborted. I then found my disk directory had been written all over indiscriminately and the disk had to be reformatted. Stan Opyrchal was helpful, but all his suggestions were to no avail. I had connected the drives correctly, removed the ballast resistor on all but one, and made sure there were no stray magnetic fields, etc. The odd thing is, OS9 worked perfectly with the same set-up! Eventually, I substituted a TEAC drive with head-load solenoid for one of the drives. No further trouble! Can anyone explain this? I have to use the TEAC for all my saves.

NOW on to OS9. There has been a lot of support for some Public Domain material. I have therefore prepared two disks which contain mostly programs which have not been available from UK user groups, although I have
included an odd one because it was needed to use the others. They are as follows:

**PD1: SORTS AND DIRECTORY MANAGEMENT.**

Contains programs to sort directory files into order, to sort files alphabetically, to list information in any number or column, to move files from one directory to another easily and to delete or display directories of files with certain characteristics (e.g. backup files only). The comprehensive instructions explain how to use them, and also the principle of filters, as many of these programs are used in this way. There is a filter to change certain characters in a file, including changing all upper case to lower case and vice versa (*ah! this word 'filter' means utility - Sot*). I'm including the much improved LIST facility 'I' and my own improved versions HDIR and HDEL. Finally, there is an excellent utility (*that's it! We are thinking the same now... - Sot*) to copy whole disks or directories directly without wrestling with Dsave!

**PD2: TEXT MANAGEMENT.**

Includes a dictionary about twice the size of that supplied by the Stylograph spell checker, together with a command which not only checks your spelling, but if it is wrong, suggests correct alternatives. You can also decompress the dictionary just to make sure I am right about the 88000 words in it! Other utilities will count the words, lines etc in a file, number lines in a list, and a print formatter paginates and titles any file you wish to print. PD1 costs 5 inc P&P since there is a fair amount of (I hope) helpful documentation which I have newly written. PD2 costs 3.50. Please send cheque to D.W. Rothery, 1 Heath Rd, Glossop, Derbyshire SK13 9AY. Now for the answers to some OS9 problems. Jeff Purcell can't get the demo files supplied with the Stylograph's Mail Merge to work properly. He says the date is not put on the letter, and then other things seem to go wrong. Now Mail Merge takes its date correctly from the system date set by the SETTIME command, so if you do not enter the date correctly then you will get problems later. I haven't found any mistakes in these two files, so that would seem to be the answer (unless the poor guy has a corrupted disk, or indeed an infected one with a virus - Sot). Incidentally, if you are one of those lazy persons who press 'enter' instead of entering the date you will find that multitasking (if 6809 supports multitasking) I will walk from Twyford to the Hove show - Sot) does not work properly either. If filling in the time really bugs you then get a real time battery operated clock from Germany (as mentioned in Dragon User late last year). Also if you are still entering the date American style, I have a British version - if you want it and are sending for the PD disks just mention it and I will put it on the disk. Derek Bonham has one or two problems with the OS9 version of DynaCalc. He, being a thrifty lad, doesn't like full form feed which is sent before you print out the sheet on the printer. The partial answer is to turn off the pagination of the printout using the Attribute Print command: /APP You will lose your formfeed,
continued from previous page (Flex-OS9)

but will not get date and title either. I am afraid I haven’t had the time to search through Dynacalc to eliminate the feed by hacking yet! Any volunteers? Derek also wants to print Dynacalc sideways on. Phew I, he doesn’t much, does he? May I suggest switching to condensed print and staying as you are, Derek! Some programs pick up extra files from disk - Stylograph picks up its Help files from the directory /D0/STY. This can sometimes be a problem. For example, suppose you want to use it from a hard disk. It would not be helpful to have to put a disk in floppy drive just for the helps. The answer is to use DUMP to read the offending program, keeping a lookout for ‘/D0’. When you find it, note its address and use ZAP or similar command to change the /D0 to what you want - e.g. /H0. Don’t forget to update the CRC by using the VERIFY U command and then to set the attributes using ATTR PE. Finally, has anyone got a Dynastar manual I can borrow? If you send it I will refund your postage etc. and be very grateful. If I haven’t covered your problem this time, have patience, and keep the letters flowing in! Until next issue, then.

Competition.

The best answers receive to last month competition were from our old friend Robert Cleminson and were as follows:

1) true
2) false
3) false
4) true
5) false (Maggie is really a spitting image puppet with a Russian transplant.)

Well done to Robert; your prize is a week or two in the company of the "Maggie Insomniac’s Five" (MI5) for singing lessons. This month’s quiz is for the following film or book titles set.

1) War and Peace
2) The Sound of Music
3) Macbeth
4) The Adventures of Don Quixote
5) Geneviene
6) Hamlet
7) The Jungle Book
8) Tom Sawyer
9) The Day of the Jackal
10) The Thorn Birds
6809 USER Charts, the Only Dragon and Tandy chart representation, brings up-to-date each month with the most popular programs, courtesy of our readers.

As we rely purely upon you in the compilation of the chart, please could you send your top ten programs to: 6809 User, 6809 Charts, 37 Collins Meadow, Harlow, Essex CM19 4EN. The first entry to be picked out of the bag will win a game of his/her choice.

Last month's lucky reader was Anthony Ray, of Irvine.

Headline: Lucifer's Kingdom reigns supreme!

1. (3) LUCIFER'S KINGDOM - Orange Software
2. (4) SHOCKTROOPER - Microdeal/Computape
3. (12) BALLDOZER - Kouga Software
4. (2) AIRBALL - Microdeal/Computape
5. (1) FORMULA ONE - Pamcomms/NDUG-SOFT
6. (5) DRAGON W.I.M.P. SYSTEM - Dragonfire Services
7. (6) BASIC 42 - Harris Micro Software
8. (7) UTOPIA - Pulser Software
9. (19) DESKTOP - National Dragon Users' Group
10. (11) PRINTER CONTROL - Macgowan Consultants
11. (17) RALLY - Pulser Software
12. (18) MANDRAGORE - Kouga Software
13. (NE) BUZZARD BAIT - Microdeal/Computape
14. (20) DRAGON GRAPHICS STUDIO - Knight Computer Services
15. (NE) LUNAR ROVER PATROL - ?
16. (9) INDOOR FOOTBALL - Quickbeam/Computape
17. (NE) MOON CRESTA - Incentive/Computape
18. (NE) CHUCKIE EGG - A'n F Software/Computape
19. (NE) SPEED RACER - Microdeal/Computape
20. (8) SUPERKID - Quickbeam/Computape

** JUXTAPOSITION drops out of the Chart for the first time since 1985 **

NUMBER OF RECORDED VOTES: 22
BACK ISSUES

Back issues to 6809 User/Dr-agon's ROAR! are now available from:
ERIC HALL,
Flat 3,
32 Thackeray Mall,
Fareham,
Hants,
PO16 0PQ.

...at only £1.25 per edition (inclusive).

I AM LOOKING
for out of print strategic games such as "Empire", "Britannia", "Viking", etc.
If anyone has these to sell or loan, please ring Jim Finley on 0708 48528.

FOR SALE
Two Dragon power supplies.
Only £5 each plus P&P.
Contact Mike Vine at 120 Auriel Ave., Dagenham, Essex, RM10 8BU or 'phone:
01-517-7967.

ANYONE INTERESTED
in forming a Dragon user group in the Swindon area?
'Phone S.T.Lee on 0793 6170-24.

COMING IN THE SUMMER FOR A LIMITED PERIOD ONLY !!!!

THE INVADER'S SUMMER DIARIES

Controversial... disgusting... irritating... amusing...
and even mildly interesting. The INVADER is the most illuminating figure to hit the Dragon market in years (and that isn't just because he wears a light bulb on his head).

TOO controversial for inclusion in 6809 User... TOO intelligent for inclusion in any other DRAGON MAGAZINE!

No innuendoes, no waffle... JUST THE FACTS.

What REALLY happened to Eurohard? IS the NDUG REALLY just a front for the Young Tories? What DID Paul Grade say in his letter to Ken Livingstone? Find out the REAL story about Dragon User.

Available only through your letterbox; commencing on June 25 ONLY UNTIL September 25.

FOUR OUTRAGEOUS and completely INDIGESTABLE monthly editions available at only 75p each, or £3.00 for the lot.

NOW FEATURING A REGULAR COLUMN BY PAUL GRADE !!!

Cheques made payable to the NATIONAL LIBERA-
TION-OF-LAWNMOVERS FRONT at 37 Collins Meadow, Harlow, Essex CM19 4EN.

SUBSCRIBE NOW to the PRIVATE EYE of the DRAGON WORLD, or you just might be pleased you didn't. NEW ERA PUBLICATIONS Group regret we are unable to offer any free editions to software companies/programers/user groups/scroungers, etc.
CLASSIFIED ADS

For sale:

Dragon 64: Boxed, VGC, Dasm Assembler and toolkit ROM cartridges inside the Dragon and 6809 Assembly language program books. All leads including printer and many tapes £65+p&p D.P.Hardaker 130 Barrow Road, Norwich, Norfolk, NR4-7H phone 0603 57878.

Brother 80 column epson compatible thermal dot matrix printer with ribbons £40 ono. Also Tandy 4 colour printer plotter (CGP115) with pens and paper only £35. Please phone Steve on (021) 777 2477 for more details.

Original games for sale: Too many to list prices from 1.50 send SAE for full details to M.J. Mchullough, 129 Cregagh Road, East Belfast, N.I. BT6 0LA.

Two Prism/Modem house cartridges suitable for "Prestel" 8 each. Phone Mike 07683 71173.

Two Dragon power supplies, lead, manual & software £45 must sell to get fare for Hove show. Tel 0271 64855.

Wanted

Wanted members for local users group in the Surrey/Hampshire area. Contact Peter Marsh 37 Corrbets Walk, Bisley, Surrey. Or phone 04867 6071.

Wanted cheap Dragon Data Disk drive (single) or psu & case alone also D32 lid F.T. Taylor 248 Acklam Road, Acklam, Middlesborough, Cleveland, TS5 8AA or phone 823555.

Wanted one double sided 40 or 80 track double density to fit Dragon data case ready for second drive. I am also looking for a penpal. Antony Rae, 2 Queen Road, Irvine, KA12 0UZ.

Wanted any hints, tips, or pokes for Dragon games both arcade and adventures. Tom Walsh, 60 Murroch Crascent, Beechwood, Alexandria, Dunbartonshire G83 9QA.

Exchange

I have a quantity of duplicate "Dragon Users", and Dragon programming books, to exchange for software etc. W. H. Y. I am also looking for a Dragon DOS Cartridge and/or Delta (double density). Write to Editor (Roger Quaintance) or phone 0271 64855.

>PRO-TECH SYSTEMS (GB)<

CONSULTANS-ELECTRONIC PRODUCTS

DRAGON DOS & DELTA DISK CARTRIDGES, FORM £63 + post

DISK CARTRIDGE KITS - PCB, CASE & ROM. FROM £19 WITH POST.

CUMANA & VIGLEN DRIVES (CASED WITH P.U.) FROM £112 + POST.

(10% DISCOUNT ON DRIVES, ROM'S PRINTERS & MONITORS.)
ALL DOS ROMs AVAILABLE - COMANA, DELTA & THE SCOTT-DOS RANGE-

DRAGON DOS PLUS, FOR DRAGON, DELTA & TANDY CARTRIDGES!

ALSO 'COMBI-DOS', BOTH DOS IN THE SAME CARTRIDGE!

FOR DETAILS SEND 2 (LOOSE) STAMPS, TO:- PRO-TECH SYSTEMS (GB), 25 PELICAN ROAD, PAMBER HEATH, BASINGSTOKE, RG26 6EN.

SUNNY-SOFT, 20 CHURCH STREET, ILFRACOMBE, NORTH DEVON, EX34-8HB.

RAE MATHS TESTER £4.99

LOGIC TRAINER £4.99

RESISTOR COLOUR CODES £4.99

TOWERS OF HANOI £4.99

******* NEW RELEASES *******

CALLSIGN LOCATOR £2.50

Country for callsign or vica/versa.

DISTANCE & BEARING £2.50

Input your long/lat and Dx long/lat to get your distance and bearing.

INVERSION £2.50

A mind bogling puzzle, can you find the picture? Endless variety. Hours of fun.

All programs available on tape for Dragon or Delta DOS please state which + P&P 50p.

For all your high quality print outs, contact Susan on 0734-343731. We offer a fast and reliable service to our customers. Work undertaken: theses, letters, adverts, and high quality sticky labels for envelopes. The following picture is an example of the print quality.

For any classified ads to be printed in the 6809 User contact Simon on 0279-639616. For any display ads contact Susan on 0734-343731.
Unlock the mysteries of your chance for just £6.95!

DOES your experience of machine code end with using OTHER people's programs? Have you a burning ambition to unlock the mysteries of your machine?

**NOW'S YOUR CHANCE!**

New Era Publications is proud and privileged to offer the COMPLETE, FULLY ILLUSTRATED and FULLY BACKED UP Series on machine code from Marshall Cavendish's "INPUT".

"INPUT" is the most comprehensive course ever published for any Microcomputer, benefitting millions worldwide!

As from May, New Era will offer the complete 400 page course over a 12 month period, featuring:

*OVER 30 PAGES EACH MONTH!

*BREATHTAKING ILLUSTRATIONS

*COMPLETE LISTINGS - INCLUDING A MACHINE CODE GAME!

*QUESTION AND ANSWER SERVICE FROM TOP DRAGON PROGRAMMERS

*100% PROFESSIONALLY PRINTED AND PRODUCED

*REFRESHINGLY SIMPLE TO BEGIN, PROGRESSING TO THE STANDARD OF "EXPERT"

*REFUND ON YOUR REMAINING SUBSCRIPTION AT ANY TIME WHATSOEVER FOR ANY REASON WHATSOEVER.

An annual subscription (12 issues) is only £6.95 incl.

Please make all cheques payable to:

**NEW ERA PUBLICATIONS, MACHINE CODE, 37 COLLINS MEADOW, HARLOW, ESSEX CM19 4EN.**

Tel.: 0279 639616