

IMPORTANT

MICRO

design

2

READ THESE NOTES
BEFORE USING
MICRODESIGN 2

Installation Notes v1.2

COPYING & INSTALLATION

Working Copies & Disc Security

Although the MicroDesign2 Program Disc in this package is fully functional, we strongly recommend that you do NOT run the program from this master disc, except to work through the introductory Tutorial described in the User Manual. As with any master disc, you should make working copies from your master, and store the original in a safe place.

The MicroDesign2 Program Disc is copy-protected, however, and you will not be able to use normal disc-copying programs such as DISCKIT to make your working discs (or to Verify the Master Program disc). Instead, a separate program called MDMAKE is supplied on the master Program Disc, and should be used to generate working copies. Using MDMAKE, you can generate working discs of CF2 or CF2DD format in drive A: or B:, and these may be made into 'Start-of-Day' discs if required. MicroDesign2 can also be installed on a Hard Drive.

The working discs which you make and use will also be copy-protected, and will NOT contain the program MDMAKE. Thus they cannot be Verified using DISCKIT, and they will not be able to generate additional working discs - this can only be done using MDMAKE from your original master Program Disc. We do not intend that this should inconvenience our users, but it is necessary in order to prevent unauthorised copying of MicroDesign2. We allow you as a legitimate user to make copies for your own security and convenience; please do not abuse this act of trust by making illegal copies to sell or to give to your friends - after all, if they buy it, everyone (including you) gets better after-sales support! *Please note that any copies made from your program disc will bear your serial number, and can be traced back to you. Software piracy is theft.*

The Introductory Tutorial

Also supplied on the master program disc are various files for use when working through the Tutorial described in the User Manual. Since you will not normally require these files when using MicroDesign2, these are not copied as part of MDMAKE-ing a working disc.

The Tutorial should be followed by using the master Program Disc to run MicroDesign2. *This is the only time that you should use your master disc to run the program.*

Copying the Library Files

The Fonts, Icons & Areas, and Cuts discs supplied with MicroDesign2 are not in any way copy-protected and may be PIP-ed, or copied using DISCKIT (on the PCW8512 or 8256) or 800COPY (on the PCW9512), etc.

COPYING & INSTALLATION

Using CP/M

MicroDesign2 and the other programs described here all run under CP/M+. For those unfamiliar with this operating system, your PCW is supplied with a disc labelled CP/M PLUS. Use this as a start-of-day disc: turn the power on then insert the disc with its CP/M side towards the screen, and an A> prompt will shortly appear on screen. You are now "in CP/M" and can run programs from here. Consult the PCW User Guide for more details.

Making a Working Disc using MDMAKE

To make your working disc, first format a normal A: or B: drive disc using the DISCKIT program supplied with your PCW. Then insert the MicroDesign2 master Program Disc in drive A: and type `MDMAKE` .

The necessary files will be read from the master disc, and on-screen instructions will then be given allowing you to select the drive on which your working copy is made.

When the process is completed, your master disc should be stored in a safe place and you should use the newly-created copy to run MicroDesign2 by inserting the working disc in the appropriate drive and typing `MD` .

Making a Start-of-Day working floppy disc

A Start-of-Day disc is one which allows you simply to turn on the PCW, insert the disc, and wait while the machine loads its operating system and runs MicroDesign2 automatically.

To make such a disc, you must generate your working copy in floppy drive A: (C: for Cirtech hard-drive users). When the working copy is made, MDMAKE allows you the chance to turn it into a Start-of-Day disc. Have your CP/M+ system disc ready, and follow the instructions given.

The Start-of-Day working disc thus created can be placed in drive A: of your PCW after you have switched on the power, and MicroDesign2 will automatically be run.

Installing MicroDesign2 on a Hard Drive

MDMAKE offers the opportunity to copy MicroDesign2 onto any user group of any hard drive. You will still, however, need a normal working disc (in any floppy drive) to act as a security key-disc when the program is run from the hard disc using `MD` .

COPYING & INSTALLATION

Drive M:

MicroDesign2 and MDMAKE both use all the PCW's available memory, and consequently cannot make use of drive M: Any files stored in drive M: will be lost when these programs are run.

Your Master Discs

Your master discs supplied in this package should be treated carefully. Once working discs and other copies have been made, the original discs should be stored away from magnetic fields, sunlight, damp, etc.

Please note that the masters are supplied write-protected - Creative Technology cannot be responsible for any loss of data or damage if the write-protect is removed from the master discs.

Technical Support

We would like you to get the best from MicroDesign2. Should you experience any difficulty with the operation of this software, please don't hesitate to get in touch, either by post or by telephone (0889 567160). For general operational assistance and technical advice, we would *prefer* to receive phone calls between 4pm and 7pm, and in most cases it is much more useful if you can call us when you are sitting at your computer with MicroDesign2 running.

However, please do not ring to tell us that you are unable to copy the Program disc using Diskit - read these notes instead!

Good Luck and Happy MicroDesigning!



CREATIVE TECHNOLOGY (MicroDesign) LTD

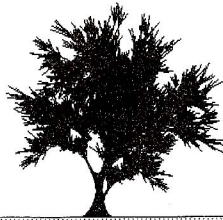
MICRO

Design

2

for the AMSTRAD PCW series

SUPPLIED LIBRARY
(CUTS & AREAS)



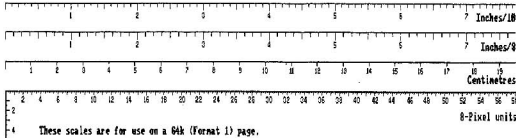
CREATIVE TECHNOLOGY

CATALOGUE - SUPPLIED LIBRARY

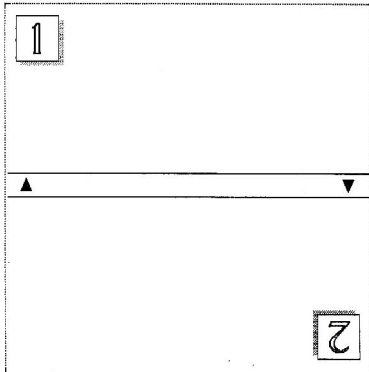
Supplied .MDAs

The following .MDA files are supplied as part of the MicroDesign2 PCW library, and may be found on the disc marked ICONS & AREAS.

SCALE.MDA

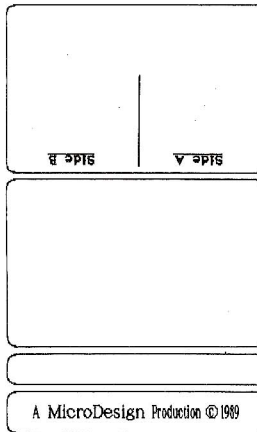


DISCLABL.MDA

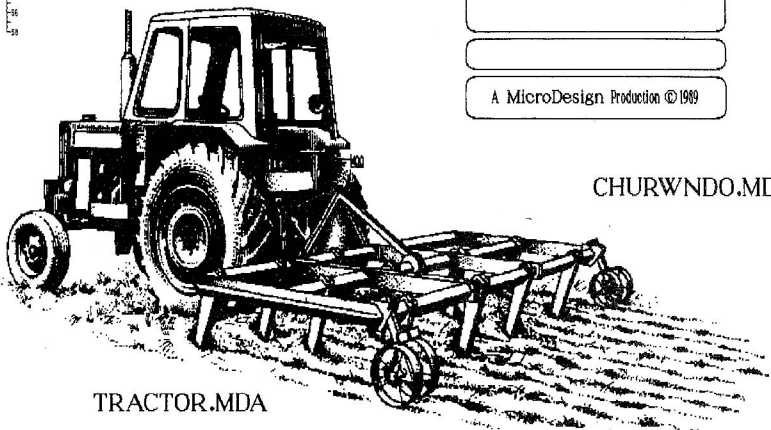
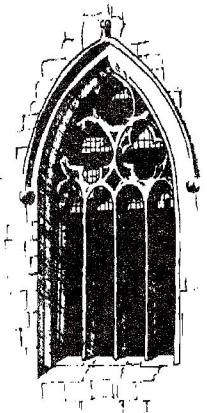


HICROSS.MDA

CASSLABL.MDA

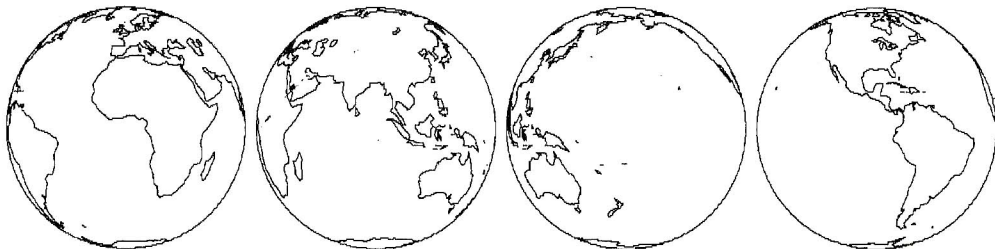


CHURWNO.MDA

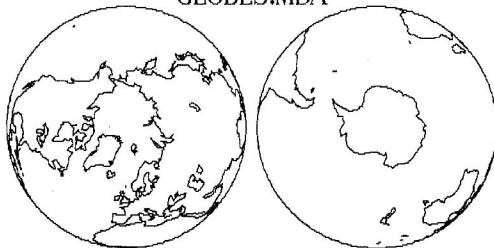


TRACTOR.MDA

CATALOGUE - SUPPLIED LIBRARY



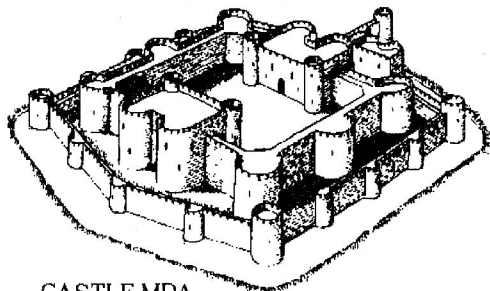
GLOBES.MDA



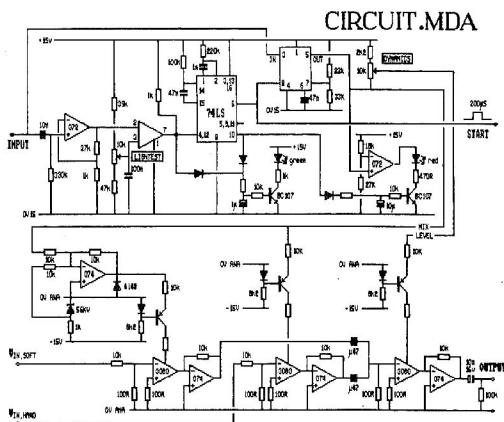
BRITAIN.MDA



WORLDMAP.MDA



CASTLE.MDA



CIRCUIT.MDA

CATALOGUE - SUPPLIED LIBRARY

Supplied CUTs

The following .CUT files are supplied as part of the MicroDesign2 PCW library, and may be found on the disc marked CUTS.



MDLOGO.CUT



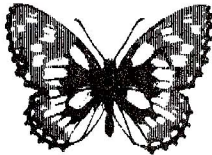
ANEMONE.CUT



ARTMOUSE.CUT



ACCESS.CUT

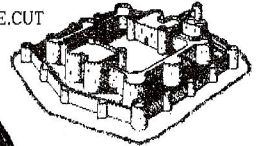


BUTTRFLY.CUT

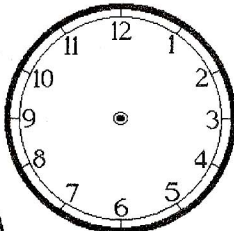


DUCK.CUT

CASTLE.CUT



CORNCOB.CUT



CLOCKFACE.CUT



CORNKNOT.CUT



SAVEIT.CUT

WHEAT.CUT



CLUBS.CUT



ENDKNOT2.CUT



ENDKNOT3.CUT



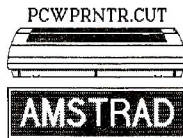
DIAMONDS



SQUIRREL.CUT



FNTMOUSE.CUT



AMSTRAD



ENDKNOT4.CUT



HEARTS



ASHLEY.CUT



SPADES



GENTS



LADIES



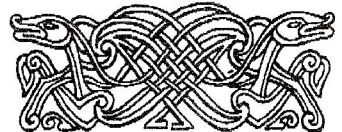
FRANCE.CUT



CHEMICAL.CUT



GEESE.CUT



ENDKNOT1.CUT



ARCHERY.CUT



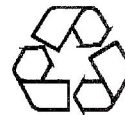
SWIMMIMG.CUT



VOLLBALL.CUT



FINGER.CUT



RECYCLED PAPER
RECYCSYM.CUT



POISON.CUT

THE MICRO Designer

ISSUE 5

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By subscription

Creative Technology (MicroDesign) Ltd.

Springing into life after a long and freezing winter, your favourite quarterly is back (and only a month late!). In this issue, Hogweed and his Helpful Hints are taking a short holiday, to make room for us to print a few of the many superb entries we received for the Herbert Award competition which was announced in the last issue. We also have our regular News and Dear Hamish columns (not to mention lots of lovely advertising), but first, the preamble...

The MicroDesigner does cause some confusion, and not just because it belongs to that strange group of items whose existence can only be defined in terms of their perpetual lateness (other items in this group include homework, trains, and telephone bill payments). It seems that some people do not know where MicroDesigners come from, so for the benefit of those who go searching vainly under their gooseberry bushes every three months, here is a brief explanation...

We do not charge for the newsletter, but we do ask you to supply a stamped addressed envelope so that we don't have to pay for the postage, and we also ask

you for an extra first-class stamp (currently 22p) for each issue you order: this helps to cover the printing costs. So if you want to receive the next issue, just send an SAE and an extra stamp: we put the envelopes in a big box, and when copies of the new issue arrive, we put them in the envelopes and post them. If you want back issues, send only one SAE, but an extra first-class stamp for each issue you want. It helps us if you write on the envelope which issue(s) you want us to put in it. Please note also that because of our high-tech 'big box' system, we have no idea who has sent envelopes and who hasn't.

So that's how to get the MicroDesigner: now read on to see if it's worth getting...

Each page of this issue (unless marked otherwise) was designed and printed using MicroDesign2, ProSCAN, and a HP Deskjet printer.



PRINTERS

OKIMATE

We've some good news to pass on to owners and potential purchasers of Okimate 192 Microline printers: a new ROM is now available to make your printer MicroDesign-compatible. The P107 ROM is available from Oki Data in Slough ... contact them for price and details.

DESKJET...

The good news is that two different companies will shortly be offering a re-inking service for the HP Deskjet printer. The even better news is that the refills will be available in a selection of colours, including blue, red, green, violet and brown, as well as a new indelible black ink.

Rodesign will be selling re-inking kits for empty cartridges: two refills will cost £14.95, in any colour.

And Robin Hosford of DDTF informs us that he will be offering a re-inking service: just send him your old cartridges for refilling in any of the new colours, or the normal black.

See the advertising section for more details of both offers.

THE SPRINTER

We can confirm that Cirtech's magic box for the PCW, the Sprinter, is compatible, and very useful, with both MicroDesign2 and ProSCAN. The Sprinter speeds up the PCW's processing, and this does create some interesting effects with some key functions in both programs: using the cursor keys in the Font and Icon grids, for example, takes a little getting used to, but the general operation of the programs is not affected significantly.

...AND BUBBLEJET

Canon have just released a new addition to their Bubblejet range of inkjet printers. The BJ300 is a high-quality A4 printer with excellent paper-handling, and we can recommend it very highly: HOWEVER, anyone wishing to use it with MicroDesign2 or ProSCAN should note that it will only print if its emulation is set to Epson mode, and because it is compatible with the Epson 24-pin standard, the Printer Type option should be set to 24 pin A, not CANONBJ!

USER GROUPS

OOP NORTH...

As some of you may have seen in 800PLUS, Phil Cole from Rotherham has set up a 'MD2 International User Group'. This group offers a technical support and ideas-swapping network for all MicroDesign2 and ProSCAN users: for more details, write to Phil at 15 Elsham Close, Bramley, Rotherham, S66 0XZ enclosing a stamped, addressed envelope.

...AND DOWN UNDER

David York, the secretary of the Amstrad PCW Australia Group, has written with details of the organisation...

'We are a group composed entirely of PCW owners. We are Sydney-based, meeting every second Tuesday of the month at Burwood RSL Club, NSW, at 7.30pm.

Our meetings don't usually attract a big attendance, though many of the regulars travel quite a distance to attend. Our membership is spread throughout Australia, mostly NSW, Queensland, Victoria, Western Australia, and Tasmania. We keep in touch through the pages of our monthly newsletter (produced since November 1989 with MD2, of course).

Anyone interested in contacting us can do so by writing to
The Secretary, P O Box 478,
Smithfield, NSW 2164, Australia.





PROSCAN

One of the limitations of the ProSCAN system is that it can only scan an image which is up to 4 inches wide. To get around this problem, we have now added a new feature: the ProSCAN software and interface can now be used in conjunction with an Amstrad Fax machine to scan full A4 pages. The Fax machine comes in several different models, but there are two types which have a scanning facility: the FX9600T and the FX9600AT. These can be connected (using a special cable) to the ProSCAN interface, and controlled using the ProSCAN software.

The ProSCAN Image-Source Option must be changed if you want to use a Fax scanner: the FX1 and FX2 settings refer to two different types of Fax machine. Just to add to the confusion, both FX9600T and FX9600AT machines are sold in FX1 and FX2 versions: units made in the UK or Ireland are normally FX2, while those made in the Far East are FX1. If you are not sure which setting to use, just try both: you can't do any damage. The Fax scans

at 200 dpi, and has its own grey-scale and brightness controls.

If you want to buy ProSCAN for use with the Amstrad Fax, you do not need a scanning head with the package. The price for ProSCAN without scanning head is £119.95, and the special cable costs an extra £10.

HEADLESS?

Buying ProSCAN without a scanning head may also be a good idea if you already have a hand-held scanner for another computer (a PC, for example). Most scanning heads will work with the ProSCAN software and interface, but *please* check your particular model with us before ordering.

SNEAK PREVIEW



There are several mouse packages already available for the PCW, but if you are thinking of buying one, give us a call first: we may have some interesting news for you!

COCKUP CORNER

Following last issue's announcement that MicroDesign2 now supports the wonderful new Canon Bjl0e printer, our PCW programmer has an embarrassing confession - a major bug slipped through in the very few v1.22 copies of MD2 which were released to Bjl0e owners. If you have one of these v1.22s you will probably find that using the Triangle operation is a very bad idea, and that returning the master Program disc to us for replacement with version v1.23 is a very good one! This only affects about a dozen users who may have received these v1.22 upgrades - and the programmer, who has been forced to eat ten thousand (triangular) Tortilla chips by way of atonement.

It has also been brought to our attention that a *very* strange gremlin got in the works when the master copy of Extra Fonts Disc No 3 was being prepared. If you examine our latest magazine advert carefully, you will see that the capital A in Seraphi5 (the main body-text font used in the advert) somehow got reflected: this produces a rather odd-looking result, with the weight on the leading edge of the character. We would recommend that any perfectionists among you who have bought XPD3 correct the error using the Fonts section of MicroDesign2. Load Seraphi5, then Edit the capital A. Use X to Reflect the letter, then N to Nudge it back to the left hand side of the grid, then K to Keep the result back in the capital A position, and f4 to resave the font.





LIBRARY NEWS - FONTS

Yes, you guessed it: there's another Extra Fonts disc out! We have just finished XFD4, which is a little different to our previous efforts, with greater emphasis on a wide range of body-text fonts in the 10-16pt range. Cuckoo is included at 12 and 14 point, and there are also several sizes of five new fonts: Slenda, Scotch, Trad, Type and Eric. We are also including complete Italic, Bold and even Wide versions of a few fonts: these give better results than the standard fonts typeset with italic or bold options. Some examples are shown here: like the rest of our Font library, this disc costs £14.95.

XFD4 INCLUDES:

THREE NEW sizes of Cuckoo

Four variations of this design, which is called **ERIC**

Eight versions of *this font*, called **Scotch**

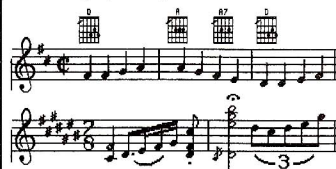
An elegant new type-face called **SLEND**A

Several different sizes of **Trad**, including an **INLINE** version

And finally, **three new** FONTS CALLED **SQUARE**, **TYPE** and **WIDE**.

ROCK ON!

A new name on the library scene is **Crazy Diamond**. Their new package, "Harmony", is a disc of graphics and fonts designed to help you produce musical



manuscript. With the musical 'lines' stored as MDAs, and the notes, clefs and other symbols supplied as fonts which can be 'written' straight onto the lines, the system is surprisingly easy to get used to, and very well documented. There are even fonts of guitar chords, and icon sets which include rests, repeats, and other musical twiddly bits, all for £16.99. See the advertising section for more details.

COMING SOON...

In response to requests from our trade customers, we have now put together a new Fonts release which will appear in the shops. The 'MicroDesign2 Font Library' is a package comprising our own Extra Fonts discs 2 and 3, and costs £29.95.

A NEW SLANT

Exemplar Design are about to release an interesting new set of typefaces called 'MicroDiagonals'. These are letters supplied as individual CUT files, which have been rotated to give diagonal lettering: see Exemplar's advertisement for more details.

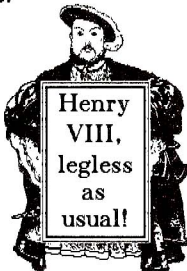




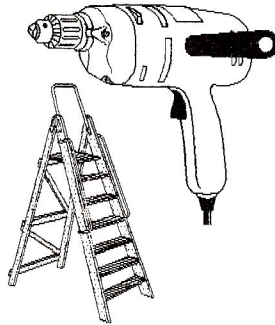
GRAPHICS

Mick Harrison has extended his enormous range of graphics discs even further. Since the last MicroDesigner, Mick has added seven discs to his library, bringing the total to an amazing 16 different discs, ten of them in double-density format. He is still concentrating on animals and wildlife, but several other subjects are covered: see his advertisement for more information.

AGB Illustrations have also produced a new disc, called **Borders**. This is unique in that it includes icon sets as well as lots of different border designs. The borders cover a good range of subjects, (including vegetables, a tape measure, and Henry the Eighth!) while the icon sets contain gardening and astrology symbols: see **AGB's** advertisement for more details.



RODESIGN is now producing graphics library discs. Three discs are currently on offer: Christmas and Musical clip-art, and a disc of tools which includes high-quality diagrammatic pictures of woodworking, gardening and decorating implements. Prices and other details are in Rodesign's advertisement.



Finally, **HD Design** have a number of new discs available, in both PCW and PC format. Their **Fineline** library, which was mentioned in the last issue, has been expanded to four standard or two double-density PCW discs (so that it is now compatible with the 8256), and there are also more discs of pictures available from HD's resident artist **P B O'Rourke**. See HD's advertisement for more information.

MD2-PC

As we mentioned in the last MicroDesigner, there is now a new version of MicroDesign2 for PCs and compatibles. It feels very similar to the PCW version, but it also includes the high-quality printer drivers and some other new features from the ProSCAN software. It also uses the same Area, Font, Icon and Text file formats as the PCW version, and if you wish, you can transfer your PCW files onto MSDOS discs via Locomotive's "Locolink", or any similar file transfer system.

To use MD2-PC, the minimum hardware you will need is MSDOS 3.2 or 3.3, CGA graphics, and 640K of RAM. One important point is that anyone buying a PC to use with MD2 should avoid MSDOS 4, and the 'Hercules' video system: EGA and VGA systems work fine. MD2-PC costs £69.95, or £49.95 for registered PCW MicroDesign2 users, and all our Extra Fonts and graphics discs are available in PC format. The program includes a 'Manager', which can convert clip-art files between different PC file formats.

Dear Hamish ...



Need help? Just write to Hamish, CT's very own Agony Uncle and part-time draught-excluder, for witty, concise and sometimes even useful answers to your MicroDesigning questions.

Dear Hamish ...

I have had enormous difficulties with the reverse feeds on my Star LC10 Colour printer. I followed the instructions for calculating the reverse feeds in the print Queue, but it never seems to come out quite the same each time, and as soon as I switch from single-sheet to tractor-fed paper, the result looks like something from an Acid House video. Should I adjust my vertical hold?

J Ceasar, Italy

Hamish says ...

Your vertical hold is your own business, but there is a way round the problem. Instead of using method described by Hogweed in issue 1, you can actually tell the printer where the top of the page is (codes 27,52), and then tell it to return to the top after printing each Area (codes 27,12). A typical print queue for the LC10 might look like this:

```
*codes 27,52      Set 'top of page' here
*firstmda.mda
*codes 27,12      Wind back to 'top of page'
*secndmda.mda
*codes 27,12      Wind back to 'top of page'
```

...and so on. Don't forget to include the colour change codes if you want them, and remember the trick of winding forward a little after winding back to take up the slack.

Dear Hamish:

Why does the 'COPIES' option in the Print menu totally fail to have any effect when I'm printing on my Deskjet using the Laser A option?

R Murdoch, Docklands

Hamish Says...

Because you should be printing on paper. However, if you insist on printing on your Deskjet, use the Print Queue to print the same page several times. First load your page, then set up a queue with the line '*CURRENT' repeated for each copy you want to print. Finally, start Printing the Queue, and don't forget to switch the Form Feed option on.

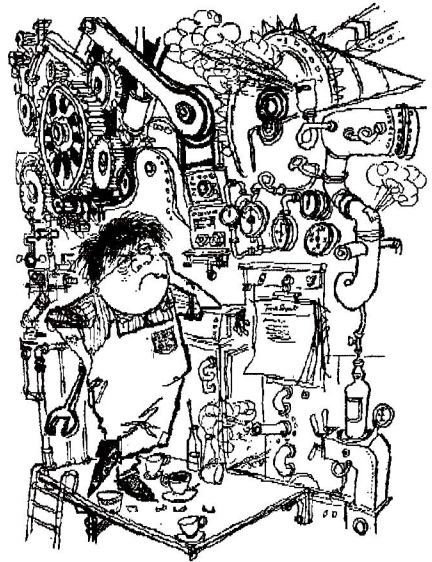
Dear Hamish:

Sometimes when I FIX a Shape operation using the Patterned Fill, the fill pattern looks completely wrong. If I UNDO and then immediately FIX again, the pattern is fine: should I wash my feet more often?

L Da Vinci, Florence

Hamish Says...

Almost certainly, but that is not the cause of this particular anomaly: it is actually (dramatic chords) a bug in the program. The programmer has, of course, been shot at dawn (or at least as soon as we could get him out of bed), but for the moment, you'll just have to keep UNDOing and re-FIXing.



Some people will try anything to speed up the PCW's dot-matrix printer (see below)

Dear Hamish:

I would like to know whether there is any material advantage in printing in the "Quality" mode instead of "Draft". The only difference seems to be that printing in Draft takes a long time, and printing in Quality takes a ridiculously long time...

D Dickinson, Oswestry

Hamish Says...

There is no difference in the dot-information sent to the printer in the two printing modes, so if your printer mechanism works properly, there should be no problem printing in Draft all the time.

Draft printing requires the printer to move the paper different distances between each printed 'stripe' (made up of several lines of dots), and some printers with rather worn mechanisms produce uneven results because of this: Quality mode prints only one line at a time, moving the paper the same distance after each line, and thus producing a more even result on an ageing printer. As to the Draft printing time, it is simply the best we can manage: you can see from the previous letter that we now have a vacancy for a programmer, so perhaps you'd like to come and have a go yourself...



THE HERBERT AWARD



In issue 4, we announced that we would be awarding a prize, **The Herbert Award**, for the best piece of MicroDesign2 or ProSCAN work sent in by you, the users. The competition has generated such a tremendous response that we have devoted four pages in this issue to the best entries. Deciding on a winner was virtually impossible, not just because the quality of work was so high, but also because there were so many different approaches to using the programs: how, for example, should we judge a 20-page newsletter against a single but quite beautiful scanned picture or photograph, or a

PCW printout against a page from a Deskjet? As you can see from the examples we have printed, the range is very wide indeed.

We finally decided to issue "Highly Commended" certificates for the best few entries in each of three categories: Artwork, Publications, and Page Design. We have also selected one overall winner. The examples shown are all photo-reduced from actual printouts, and the text on these pages was printed using ProSCAN on a Canon BJ300 printer.

PAGE DESIGN

The Page Design category is for single pages which combine text and graphics with a particular flair for design: many of the best entries were from teachers and lecturers. Certificates go to **Khalid Rashid** for his Donna Summer News-sheet, and to **John Skillcorn** for a large number and variety of classroom work-sheets, posters and forms, all designed for Sandhill View School in Tyne and Wear.

WINTER 1983
ISSUE No.2

ANOTHER PLACE AND TIME

WATCH OUT BILL COSBY! HERE COMES THE SUMMER SHOW!

WINTER 1983

DESTRUCTION!

FOR BOSS' SEC

7:30 ON SUNDAY AND NOW CARRIBBEI WANT NEXT, COZZY

ISSUE No.2

National Curriculum: Science Attainment

Name: _____

	1	2	3	4	5	6	7	8	9	10	Year	Class	Teacher
1	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	R	4B	
2	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	1	4B	
3	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	4	4B	
4	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	5	4B	
5	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	6	4B	
6	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	7	4B	
7	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	8	4B	
8	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	9	4B	
9	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	10	4B	
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14	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	15	4B	
15	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	16	4B	
16	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	17	4B	
17	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	18	4B	

⊙ Statement of Attainment ⊙ Work covered ⊙ Assessment passed

Khalid Rashid

How high the gull fly
How low the
How and the farm led
Deep in play
Felt like a grain on your sand

How well the sheep's bell
Waste noise
Roaring the jiff
When fancy takes
Felt like a tide left on here.

How bleat the forest
I wish bird song
How neat the oat past
Laid so long
Felt like a seed on your land.

John Skillcorn

The National Curriculum - SCIENCE

You already have thought about, and written about, some animals which are able to fly. This leaflet aims to answer the old 'old' of 'why'. Look at the pictures on this page. They show a **BIRD**, a **MAMMAL**, and a **REPTILE**.

WHAT YOU HAVE TO DO:

Class one of the animals and answer the following question: 'What is the reason of the animal you have chosen?' (10 marks)

How you choose the **BIRD**? (YES/NO)
How you choose the **MAMMAL**? (YES/NO)
How you choose the **REPTILE**? (YES/NO)

How do you think the power of **FLIGHT** helps your chosen animal to survive in the wild? (10 marks)

Write down another **TWO** special features your chosen animal has which help it to survive.

Special feature No. 1 _____
Special feature No. 2 _____

(NAME) _____ (Attendance target) YES _____ NO _____
SCIENCE CLASS _____ REGISTRATION CLASS _____ (EA) page 2/2 NO _____

A is a language which serves several purposes. The language of art consists of line, shape, colour, form, texture and pattern - the basic course is to learn to use these words and build them into sentences to make ourselves understood and visually literate.

© J. Skillcorn



THE HERBERT AWARD



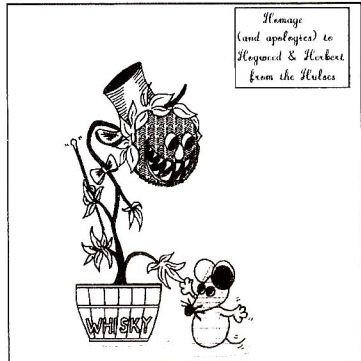


ARTWORK

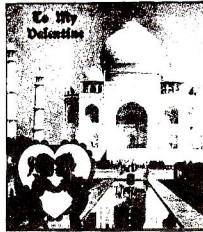
This category was rather complicated by the fact that some people were scanning existing artwork with ProSCAN, while others used the graphics tools in MicroDesign2 and ProSCAN to create pictures directly on the screen. Special mentions go to:

Derek Attwood, partly for his lakeland landscapes, but mostly for the address label on his envelope; **Paul Robinson** of Marple for his horses; **Derek Chatterton** from Stevenage for his Mozart CD cover; and **Mr B Thompson** of Kirk Michael in the Isle of Man, for his sheet of stamps.

Certificates of MicroDesigning excellence for: **Rosemary and Alexander Hulse** for their picture of Hogweed and Herbert (yes, flattery will get you everywhere!); **David Axford** from Haslemere, for his Valentine's card (although he loses marks for terrible poetry, sorry Dave!); and **Norman Ashby**, who submitted two entries. One is an A4-size scan of a cat's face, taken from a photograph but perfected, we suspect, with a great deal of pixel editing; the other is a remarkable A2-size picture of Winchester Cathedral, made from four A4-prints. Particularly commendable is the fact that both these entries were printed on the PCW printer, which proves that everything comes to he who waits!



Rosemary and Alexander Hulse



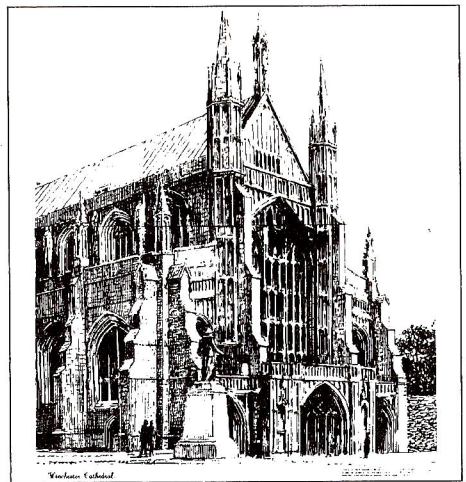
David Axford



Derek Chatterton



Derek Attwood



Norman Ashby



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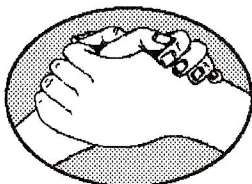
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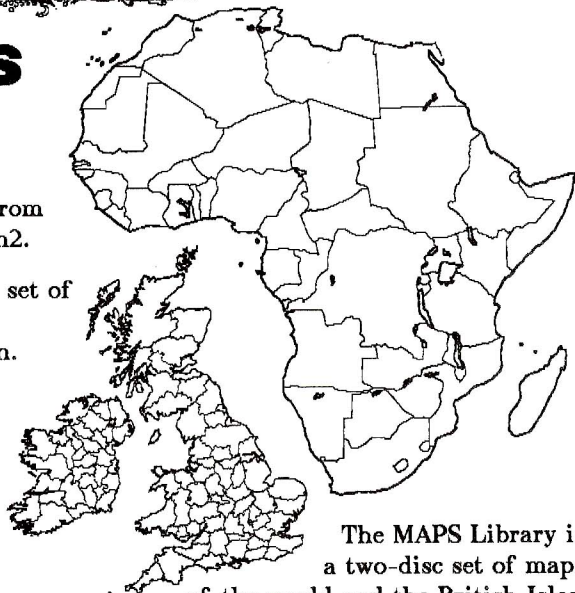
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The MAPS Library is a two-disc set of maps of the world and the British Isles.

CLIPART FOR PC AND PCW

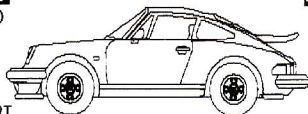
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Wobbly18

Times 22

Bolden 42

Brdway 40

Grdian 44

38 50 75

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Bolden 17 22 33 84

Celtic 58

ΕΛΦΕΤΙΚΑ 24 50

Helvetica 25 50

Medieval 26

Rondo 14 20 26

SHADOW 12

Helvoutic 25

Scribble 22 29

Tablet 20

Grdian 88

Extra Fonts Disc N03

Bagdad 17 22

BALLOON 21 64

Cuckoo 15 22 28

Florid 16 20 29 40 60

Grdian 22 29

Helvetica 20

Seraph 11 15 20 28 40 56

Rondo 52

Extra Fonts Disc N04

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Eric Italic 16

Eric Swash 16

Scotch 12 16 18 26

Scotch Italic 16 18 26

Scotch Wide 16

Traditional 10 13 16 20

Traditional Bold 16

Traditional Italic 10 16 20

Traditional Inline 20

Slenda 22 42 64

Square 10

Type 15

Type Bold 15

Wide 15

Cuckoo 12 14 18 38 56

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Extra Fonts Disc N01

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Outrig 30

Wobbly 8

Brush 26

Русиан 22

Times 22

38 50 75

Callig 25

Schwab 25

Bolden 42

Celtic 29

Sherwd 27

Broadway 48

CURVER 24

Sossij 27

Grdian 44

Niblik 29

Tablet 26 40

Extra Fonts Disc N02

Bagdad 25 48

Bolden 17 22 33

84

Medieval 26

Helvoutic 25

Celtic 58

Rondo 14 20 26

Scribble 22 29

ΕΛΦΕΤΙΚΑ 24 50

SHADOW 12

Tablet 20

Helvetic 25 50

Grdian 88

Extra Fonts Disc N03

Bagdad 17 22

BALLOON 21

64

Grdian 22 29

Helvetic 20

Seraph 11 15 20 28 40 56

Cuckoo 15 22 28

Florid 16 20 29

40 60

Rondo 52

Extra Fonts Disc N04

Eric 14 16

Eric Italic 16

Eric Swash 16

Scotch 12 16 18 **26**

Scotch Italic 16 18 26

Scotch Wide 16

Traditional 10 13 16 20

Traditional Bold 16

Traditional Italic 10 16 20

Traditional Inline 20

Slenda 22 42 **64**

Square 10

Type 15

Type Bold 15

Wide 15

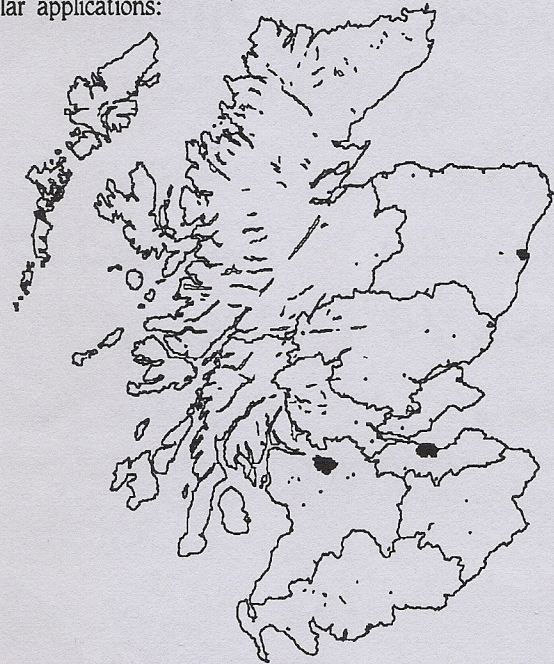
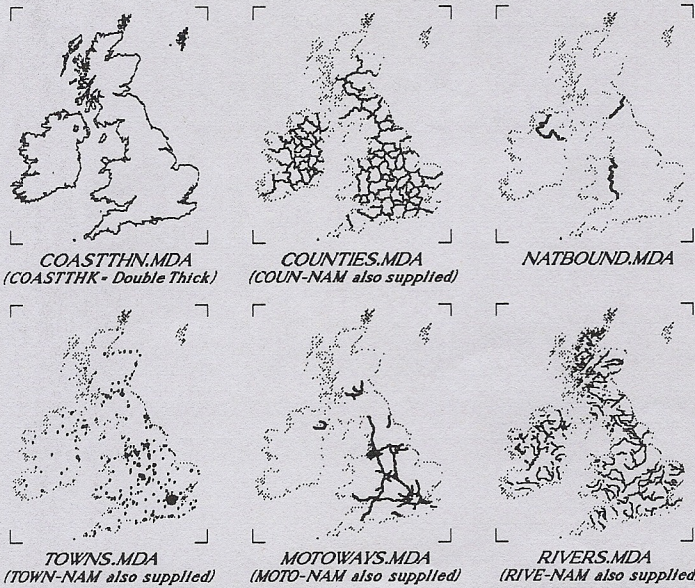
Cuckoo 12 14 18 **38 56**

The MicroDesign2 Maps Library

The MicroDesign2 Maps Library from Creative Technology is a two-disc set of graphic maps - one disc contains maps of the British Isles, the other contains maps of the World as separate continents and as a whole.

Supplied on the British Isles disc are several A4-sized 'overlays' which can be loaded over each other to create maps of the various political and geographical features.

Also supplied are larger-scale views of sections of the British Isles, allowing more detailed maps to be constructed for particular applications:



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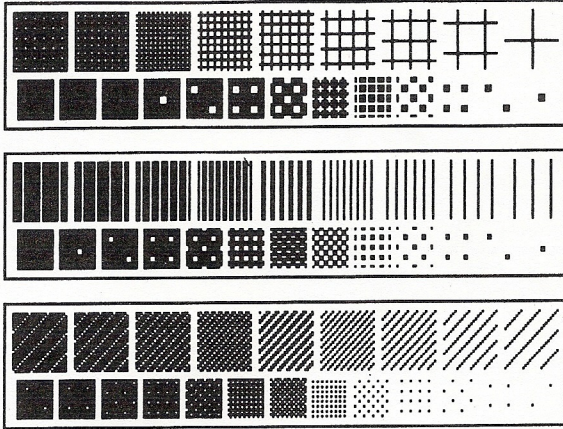
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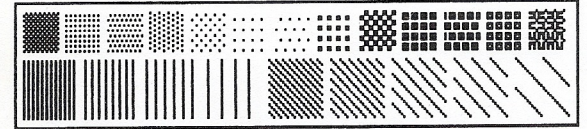
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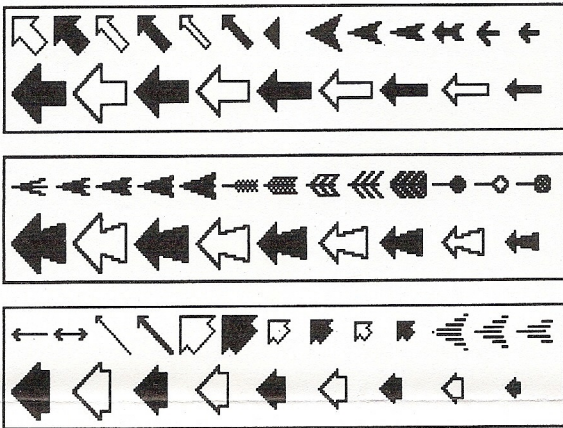
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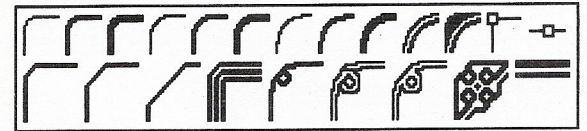
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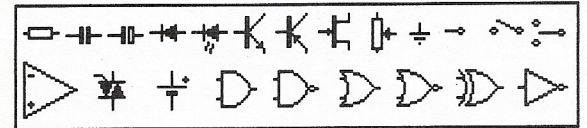
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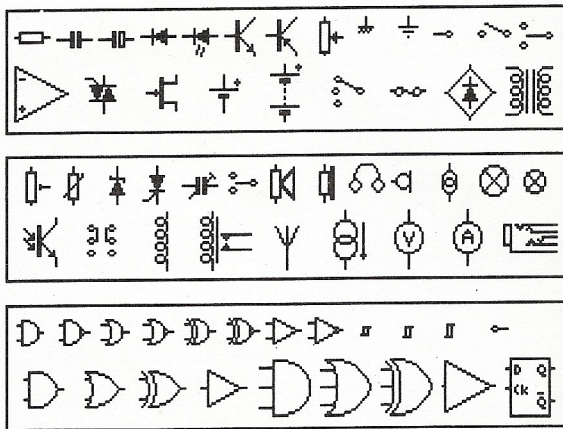
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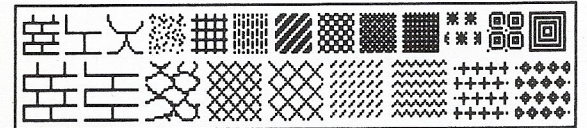
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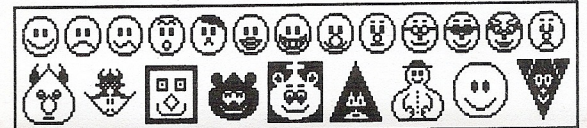
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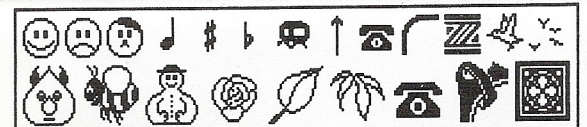
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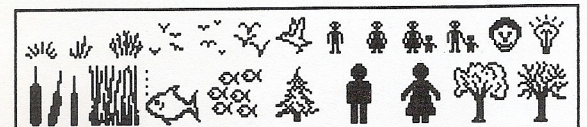
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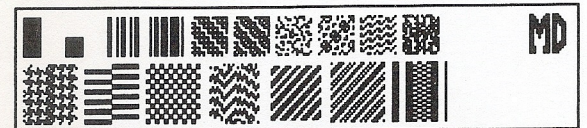
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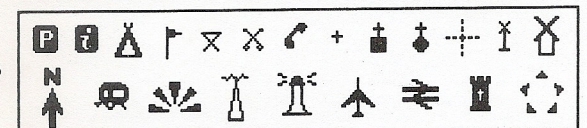
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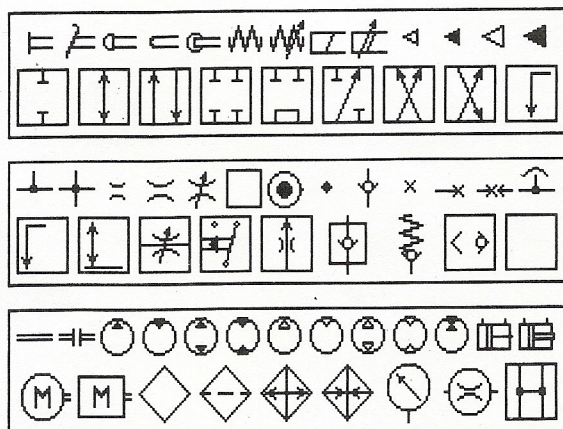
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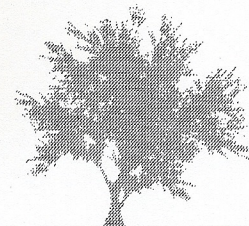
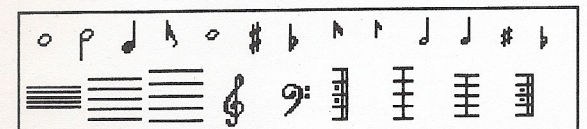
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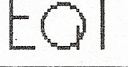
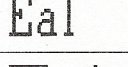
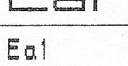
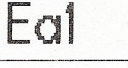


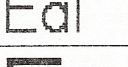


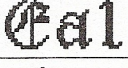



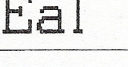
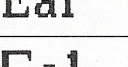
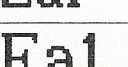

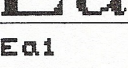
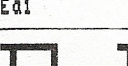


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Filename (.MDF)	As printed at FULL scale			NOTES
	64k page	256k page	256k Strip	
ANGLIC16		ANGLIC 16	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
BLOCK16		BLOCK16	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	Effective in 'Highlight' (White-on-Black)
BRDWAY16		BRDWAY16	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
CIRCUL17		CIRCUL17	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
CONDEN13		CONDEN13	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
GRAMMA12		GRAMMA12	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
HELVET08		HELVET08	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	Body Text for 64K Page Formats
HELVET12		HELVET12	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
HELVET15		HELVET15	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	Used for the MicroDesign manual
HELVET23		HELVET23	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
HELVLT15		HELVLT15	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
HELVLT23		HELVLT23	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
MODRN22		MODRN22	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
OLDENG15		OLDENG15	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
OLDENG23		OLDENG23	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
SCRIPT27		Script27	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	Use Horizontal Spacing=0 Avoid continuous capitals
SANSERF9		SANSERF9	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
SQUARE14		SQUARE14	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
TIMES12		TIMES12	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
TIMES14		TIMES14	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
TIMES16		TIMES16	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	Good in Double-Strike
TIMES25		TIMES25	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
TINY06		TINY06	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	
TINYCON6		TINYCON6	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	Good for labelling on 64K Page Formats
TYPWRT27		TYPWRT27	ABCDEF GHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 !"£\$%&*()-=+[{}<>""'...:;?/#½@	

LAYOUT
 MENU...EXIT
 DESIGN...D
 Block..UNIT
 SetWindow.W
 Typeset...T
 Box.....B
 ClearPage.C
 New.....N
 Print....P
 SaveTPL.f8
 LoadTPL.f7
 LoadFONT.f3
 SaveAREA.f2
 LoadAREA.f1

TEXT EDITOR
 MENU...EXIT
 Mark..Alt[
 Bound.Alt[
 Cut....CUT
 Copy...COPY
 Move..PASTE
 Relay.RELAY
 ClrText.CAN
 SaveASCII.f8
 SaveText.f6
 LoadText.f5
 MergeTxt.f3

DESIGN
 MENU...EXIT
 ZOOM...Z
 Block..UNIT
 Stored..1-4
 Write....W
 Shape....S
 Line.....L
 Icon.....I
 Paint....P
 Flood....F
 LoadICs.f5
 LoadFONT.f3
 SaveCUT..f2
 LoadCUT..f1

MAIN MENU
 LAYOUT...L
 EDITOR...E
 DESIGN...D
 ICONS...I
 FONTS...F
 OPTIONS...O
 QUIT.....Q

ICONS
 MENU...EXIT
 Edit.....E
 Keep.....K
 Clear....C
 Nudge....N
 Reflect..X
 Reflect..Y
 Invert...I
 Rotate...R
 Size.....S
 SaveICs..f6
 LoadICs..f5

FONTS
 MENU...EXIT
 Edit.....E
 Keep.....K
 Clear....C
 Nudge....N
 Reflect..X
 Reflect..Y
 Grab.....G
 View.....V
 SaveFONT.f4
 LoadFONT.f3

OPTIONS
 MENU...EXIT
 SaveOPTS..S

BLOCK OPS
 MARK then
 Erase....f7
 Invert...f5
 Copy....f3

TYPESET
 Exit...EXIT
 Scaling..f7
 Spacing..f5
 Format...f3
 MarkText.f1
 ClrWndw.CUT
 GO....PASTE

ZOOM
 Exit...EXIT
 Refresh...R
 Clear....C

BLOCK OPS
 MARK then
 Erase....f7
 Invert...f5
 Copy....f3
 Rescale..f1
 Store...1-4

WRITE
 Exit...EXIT
 Scaling..f7
 Spacing..f5

No of Columns: 1 2 3 4 5 6 7 8
 Dividers : OFF ON
 Column Margin: 0 1 2 3 4 5 6 7 8 9
 Column Gutter: 0 1 2 3 4 5 6 7 8 9

Character Height: 23 X 15 pt
 Character Width : 22 X
 Character Gap : 2 Y
 Size Lock : OFF ON

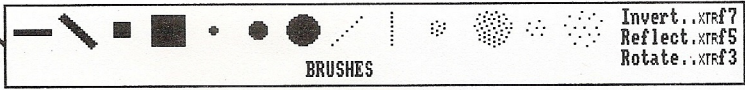
Line Pitch : 24 X 16 pt
 Pitch Lock : OFF ON
 Ruled Lines : OFF ON
 Char Spacing : NON-PROP PROPORTNL

Line Format : LEFT-ALIGN RIGHT-ALIGN CENTRED **RT-JUSTIFY**
 Justify : **CHARACTERS** WORDS
 Auto-flow : OFF PAUSE AUTO-SKIP
 TAB Spaces : 1 2 3 4 **5** 6 7 8 9 10 11 12 13 14 15

Select Page Format - **64k** **256k**
 1: A4 Upright 4: A4 Upright
 2: A4 Sideways 5: A4 Sideways
 3: Strip 6: Strip

Print : PAGE QUEUE TEXT Copies : 1 2 3 4 5 6 7 8 9 X
 Scale : FULL HALF QUARTER Paper : CONT SINGLE
 Style : DRAFT QUALITY FmFeed : OFF ON
 Margin : Length : CONTENT PAGE

MICRO *design* 2
QUICK REFERENCE SHEET 2



ALL LOAD & SAVE OPERATIONS

Drive B: User 00	LOAD AREA -- B:* .CUT	Free Space 68k	Drive.alt-v User..alt-u Rename...f7 Erase...f5 Directry.f3 Areatype.f1
BRSHMENU	FORMENU	NEAMENU	SHAPMENU
DBLKMENU	ICOMMENU	OPTION	SPACMENU
DSGNMENU	LAYTMENU	OPTIMENU	TPSTMENU
EDITMENU	LBLKMENU	PRNTMENU	WINDAMENU
FONTMENU	MAINMENU	SCALMENU	WRITMENU

Select filetype for Load Area
 1:MicroDesign(.MDA) 4:Stop Press (.PAG) 7:Mini-Office(*)
 2:MDesign PC (.MDR) 5:CUT file (.CUT) 8:Runbo Vidi (.UID)
 3:DesktopPubl(.GRF) 6:SCREEN type(*) 9:FSE Plus (.G)

CURSOR
 Fast Cursor : 10 X
 Cursor Blink : OFF ON

MOUSE
 Mouse : OFF KEMPSTON AMX
 Mouse Mouv : SLOW MEDIUM FAST
 Double Click: SLOW MEDIUM FAST

PRINTER
 Interface : PCMatrix CENTRONIC SERIAL232 9512-PAR
 Printer Type : 9-pin A 9-pin B 24-pin A 24-pin B LASER A LASER B

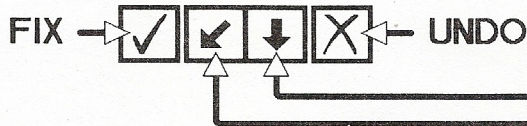
TEXTFILES
 ASCII Files : PROTEXT WORDSTAR (MDesign & Loco2 Auto-Detected)

QUICK REFERENCE SHEET 1

MOUSE

Left Button	Select / Move cursor
Right Button	Change Ctrl points
Left Double-Click	Fix Operation
Right Double-Click	UNDO

FIXing and UNDOing with the LEFT BUTTON:



Note that these symbols are only displayed when their functions are actually available. This means, for example, that scrolling the screen in the Design Section removes the UNDO symbol, because the last Design operation cannot be UNDOed if the screen has been scrolled.

KEYBOARD

Cursor Movement etc.

← ↑ → ↓	Cursor position control
with ALT	Fast movement
with SHIFT	Scroll (DESIGN) or Move Base/Margin markers (FONTS)
PAGE	Centre cursor on screen/Page
DOC	Centre screen on Page (DESIGN)
SPACE or FIND	Change control points
EXTRA+SPACE	Reduce frame size to zero

System Operation

LINE/EOL	DO (Select/Fix)
ENTER	Fix
WORD/CHAR	UNDO last Operation
STOP	Abort Current Operation
RELAY	Enter/Leave bottom window
SHIFT+ENTER	Scroll Map/Extra Menu (DESIGN only)
SHIFT+RELAY	Bottom window ON/OFF (DESIGN only)
EXTRA+R	Toggle Cursor Coordinates ON/OFF
ALT+STOP	Abort any Operation at any time

Text Editor

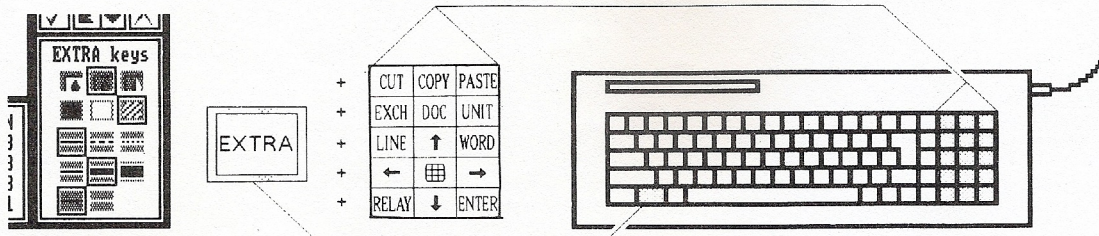
ALT+← →	Start / End of Line
ALT+↑ ↓	Top / Bottom of Screen
PAGE	Move Down 1 page
ALT+PAGE	Move Up 1 page
SHIFT+PAGE	End of File
SHIFT+ALT+PAGE	Top of File
EXTRA+⌘	Mark Typeset Start
EXTRA+⌘	Mark Typeset End

The EXTRA FEATURES

While an operation is in progress, the bottom right corner of the screen displays the different features available in the operation. These features are called EXTRA FEATURES because they are accessed using the EXTRA key in conjunction with the fifteen keys at the right end of the PCW8512 keyboard, and they are represented by the following symbols:

			BLACK, WHITE or EXOR Inks for Point Plotting				SOLID or DOTTED options for Lines and Shape Outlines
			BLACK or WHITE Inks for Lines and Shape Outlines				STRAIGHT or ANGLED options for Lines
			BLACK, WHITE or PATTERNED Inks for Flood, Filled Shapes, and Paint				Display the BRUSH or ICON Menus in Paint
			OPAQUE, TRANSPARENT or EXOR Ink Modes for Blocks and Filled Shapes				Save '.MDA' or SCREEN file in SaveArea
			MOVE or COPY for Block operations				BOLD, DOUBLE-STRIKE or HIGHLIGHT text styles in Write and Typeset
			REFLECT X, Y, or X&Y for Block operations				ITALIC, OUTLINE or UNDERLINE text styles in Write and Typeset
			ROTATE through 90, 180 or 270 Degrees for Blocks				Select INSERT or OVERWRITE modes in the Text Editor Section
			Sizes of Points for Point Plotting				Switch the WINDOW ON or OFF in Write
			LINE THICKNESS for Lines and Shape Outlines				

The example below shows the Extra Features used in the Shape operations, and the keys used to select them:



TWEAK

IMPORTANT NOTE FOR PCW9512 USERS

Owners of PCW9512s may have been supplied with 'alternative' versions of CP/M+ in order either to enable a daisy-wheel sheet-feeder to function, or to allow the Parallel Port to work without the daisy-wheel attached.

Tweak works perfectly well in isolation with these versions of CP/M+, but you will encounter difficulties after QUIT-ting from any of MicroDesign2, ProSCAN or TWEAK ... the next program you run will probably fail !

To avoid this problem, you should use our MD2/ProSCAN/TWEAK family of software with the 'normal' CP/M+ version 2.1 usually supplied with the PCW9512. The E(arly) M(orning) S(tartup) file on the CP/M+ system disc should be J21CPM3.EMS, not J20CPM3, J29CPM3, etc).

The Parallel Port can be used without the daisy-wheel by installing the print-drivers on this disc.