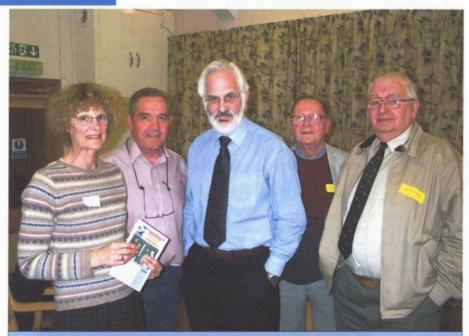
HOT KEY

ISLE OF WIGHT PC USER GROUP

www.iwpcug.org

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Rachel and Allan Bradley, Noel Stimson, Arthur Wade and Peter Greenwood at the Video Editing Talk

A recent meeting at the Riverside Centre, namely the "Video Editing" talk by Noel Stimson proved to be a very interesting presentation on how to produce a video using Pinnacle Studio 8 software. Noel obviously put much hard work and planning in preparing for his talk and those members that were present at the meeting were treated to a professional presentation. Noel filmed his material with his camcorder at Brading Haven and brought all his own equipment to the Riverside Centre to demonstrate how to capture from his camcorder to his computer and then how to edit the material captured. Transitions were added to the storyboard in Studio 8 and then Noel showed how to add music from a CD into the program. Text was also added to the timeline which was programmed to scroll at the beginning of the movie and the resulting video was demonstrated to show the effects. Noel then showed how to delete certain frames and how to add other frames to the video and also how to move the frames on the timeline and how to shorten the clips and the music.

Our thanks go to Noel for his excellent talk on Video Editing.

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FUTURE MEETINGS

7th May	Backing Up	Dennis Linzmaier David Broughton Roger Skidmore
21st May	My Own Use of Computers and biography	Michael Hodge and John Bownas
4th June	Networking	Mike Collins
18th June	Members talking about their use of computers	To be arranged
2nd July	What DOS Can Do For Windows Users	David Broughton
16th July	School Teachers to talk about computers in the Education environment	To be arranged
6th August	DVD & Wireless Internet	Dennis Linzmaier
20th August	Annual Barbecue	Bob & David Groom

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E-mail Discussion Group "iwpcusers":

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Moderator: Rob Webb

E-mail Discussion Group "IWPCUG-Web-group":

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Christine Jenkins,		
Treasurer: Bob Groom,	5	
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Committee Member: David Groom,		
Chairman - Computability Section Roger Skidmore,	and the second s	
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EDITORIAL



Further to my recent problems with Windows XP, it was discovered that one of my 3 sticks of 256Mb DDR RAM was considered faulty as a result of a memory check in my computer's BIOS. With the help of Dennis Linzmaier it was also discovered that my Maxtor 15Gb hard drive was causing blue screens when installing XP and thus was disconnected. Subsequently Windows XP was installed along with all my various hardware, including USB 2.0 Hub, printer, film scanner, card reader etc. The software for the onboard sound was also

installed and configured in Windows and found to be working and the Device Manager showed that all the necessary drivers had been installed. My thanks to Denny for his time and endeavours in enabling my computer to be up and running again.

I was impressed by the recent talk given by Noel Stimson on Video Editing in that he took so much trouble in presenting his talk with the supply of his own computer, projector, video editing software and sound equipment etc. It is encouraging to see that when we do obtain the services of an outside speaker that much thought and effort has been put into the presentation. More of the same please. If you were at Noel's talk and are interested in following up on what was learnt by the presentation, two very good Digital Video Magazines are available at your local newsagents, namely "Digital Video World" and "Digital Video Made Easy". Both are excellent sources of material if you are starting out and both are supplied with a cover DVD.

I have recently switched from using the utility Download Accelerator as the software throws up constant reminders to update to the latest version which has to be paid for before using it. There is a much better piece of software in the form of "NetPumper", which is available from www.netpumper.com which doesn't interrupt one's surfing on the Internet. NetPumper also resumes downloads if you are accidentally cut off from the Internet. You can also pause a download task if you are inadvertently called away from your computer. A recommended piece of free software.

I decided to upgrade my scanner as my sister in Southampton wishes to buy my existing Canon 1240 USB 1.0 scanner and so I have purchased from Dennis Parkes Computers, Ryde a Canon D1250U2, which is a USB 2.0 scanner. This scanner was awarded top marks by the PC Advisor Magazine and as I have always liked the style and performance of Canon scanners, I have plumped for the new Canon D1250U2.



The Isle of Wight PC User Group welcomes all owners and users of IBM Compatible Personal Computers. It is a group which seeks to exchange ideas and new information. Our meetings are bi-monthly on Wednesdays of each month at The Riverside Centre, Newport, 7.30 - 9.30 pm.

The first Wednesday has usually a formal talk whilst the third Wednesday is more informal, geared to the new user and aims to help out members with specific problems.

Membership is £12 per year.

Visitors are welcome.

This journal, "HOTKEY", is printed every month. If you would like to know more about us, either come along to one of our meetings or contact one of our Committee Members listed on page 3.

Club's Website - http://www.iwpcug.org/

H U M R



off the mark by Mark Parisi



HOW ST. PATRICK REALLY DROVE THE SNAKES OUT OF IREZAND



his article is about how one's ideas published on a web site can be used by some other person or organisation without reference to the originator.

Most club members will be aware that I like to keep the club's web site simple and quick to download. Many years ago I had some bad experiences trying to access some web sites that took ages to download (the National Savings web site was one that comes to mind) due to massive graphics and a perplexing page of information, mostly advertisements. This kind of thing is still very prevalent when experiences should have been learnt — that if a web page doesn't download within a reasonable time, it gets ignored by most visitors.

In 1996 I started a campaign that I called HIWEB, to try and educate web designers on these principles. It can be accessed from my personal site at:www.davidb67.clara.co.uk/hiweb.htm. (For many years there was a link from the club's web site but I try to keep personal campaigns and philosophies out of the club's site.)

What this article is about is my recent discovery that a USA organisation at:www.hiweb.net has hijacked my idea and title name to set up a web design organisation based on my principles. I am flattered, of course, that someone in the USA has appreciated my concerns but somewhat taken aback that this has been done without my knowledge or permission. Furthermore, they have placed a copyright notice on it! (Which I didn't do.)

One might at first think that the idea could have been independently thought of and the name "HIWEB" is just a coincidence. Not so. If one examines their site one will be able to read (click on "about") almost the same words that I composed in 1996 to describe this concept.

Here is the text you will find at www.hiweb.net:

HIWEB pages:

- Are optimized for download efficiently. [My words were simply "download efficiently".
 These additional words make it ungrammatical.]
- ·Contain the minimum of gimmicky graphics.
- Provide options for the user close to the start of the page that act as a contents list with hyperlinks.
- Do not contain large chunks of information that the user may not be interested in but nevertheless are forced to download
- •Use a minimum of fonts and colors.



- •Use plain English explanations of what the site contains.
- HiWEB.NET pages are not produced by converting word processor output to HTML
 using inefficient software that can sometimes expand the source file tenfold. Every
 page is hand crafted for efficiency and utility using the guidelines above.
- When accessing a HiWEB.NET page, you will not have to wait ten minutes for all the graphics to download before you get a glimpse of what the page is about.
- •The HiWEB.NET sign is part of a campaign to improve the quality of web page design.

In my own version, the word "HiWEB.NET" is a logo that I designed (see above). No doubt they thought that hijacking the logo was taking things too far and made their's distinctive by the use a lower case "i".

So what is the lesson leant? If you have some text that you think is worth it, add the copyright symbol with your name and date. However, if someone does hijack your words and ideas, it may be expensive to chase through the courts, especially if it has been used by someone in another country. For myself, I don't really mind -- just glad that someone else thinks likes me, though an acknowledgement would have been nice.

Handy Backup 3.9

By W. D. Allen Sr., NOCCC

There are two kinds of PCs; those that have had a hard disk failure and those that will have a hard disk failure. Those of us who have had a hard disk failure know the critical need to do always three things: back up, back up, and back up! A handy program for ensuring your vital data files are saved on a regular basis is the \$30, 2.43 MB Handy Backup 3.9 from Novosoft [http://www.handybackup.com]. Like other more expensive backup programs Handy Backup 3.9 has some very nice features. You can set scheduled backups for specific times to run each day, week, month, etc. The feature I find handy is the automatic backup whenever you shut down your PC. Because you can set up for increment backups, your computer shut down time is not significantly extended, while assuring your most recent work is always backed up. Use of Handy Backup 3.9 is easy. You start with the new item icon in the file menu. Each step for setting up a backup item [as Handy Backup calls them] is self-evident. There are ample instructions in the Help menu to clarify any points as well. The program provides selectable blowfish encryption and ZIP file compression. I leave a backup CD in my drive full time, except when I need to run another CD program, so I am assured of a backup whenever I shut off my computer. It beats always remembering to do a backup, especially when you are preoccupied with gathering what you need for the boss's "big meeting".

Handy Backup 3.9 is a set-it-and-leave-it kind of program. You will really appreciate having saved yesterday's backup of that critical report you have spent days preparing when the power went out in your office. Handy Backup 3.9 operates with Windows 95, 98, ME, or XP. Now for the hard part. The program when installed is not ready to perform backups using your CD-R/RW. It requires an e-mail to the vendor, Novosoft, for specific instructions on installing the necessary Adaptec files for CD-R/RW operation. you go through an eight-step process spelled out in the e-mail. It is easy to do but does require rudimentary knowledge of finding files within the Adaptec folder using Window's file explorer. I now use Handy Backup 3.9 every time I shut down my PC.

Is Your Computer Ready For Video Editing?

By Timothy Everingham, NOCCC, teveringham@acm.org



With video cameras becoming cheap, more people are looking to create their own videos. However, to consistently produce good video, you will have to edit the video you have filmed. There are some good video editing programs for a person to start out with from Ulead, MGI, AIST, Pinnacle Systems and from Adobe Systems. However is your computer up to it?

You may have seen Intel and AMD emphasize computer game, video, and audio applications when promoting their processors. The reason is that those are the only applications that might interest a large number of people that could significantly benefit from most of their processors introduced in the last two years. When we reached the point of 500 MHz processors further jumps in speed became irrelevant for most computer applications. Do you need a 3 GHz machine to do video editing? No. However, today's consumer video editing programs include a number of effects; including the ability to composite stills, graphics, or other video on to your original video. There is also the ability to do cropping and colour, brightness, and contrast correcting. If you do anything other than just cutting and pasting video clips together you will need to render, which is where all those effects and changes are combined. If your computer is too slow and editing in a frame size that is suitable for video for a DVD, the rendering of even a short video could take hours. Because of this I would recommend if you are running a computer with less than a 1 GHz processor you need to upgrade. If you are going to upgrade, either get a 2 GHz or greater Pentium 4 or the equivalent Athlon (the Athlon ratings are roughly equivalent to the GHz rating on the Pentium 4s). Also, the bus speed of the processor is important because in video editing you will do a lot of swapping of data between the processor and RAM. Video editing is memory intensive. Your RAM should have 512 MB or more. With memory being so cheap a lot of video editors are going for 1 GB. As with processors, the faster RAM the better. Rambus RAM is on its way out. Instead go for DRR (Double Data Rate) RAM. Of course you have to have a motherboard to support a particular processor and type and speed of RAM. Not all boards and chip sets are equal. A low performance motherboard can rob you of the performance you paid for in your other components. A good motherboard can even help out in other ways, such as many Athlon motherboards incorporate AMD's hypertransport technology which, some report, more than compensates for the lower speed of the Athlon processors. Some motherboards have sound capability, but check its quality. It still might be better to add a good Creative Labs or Turtle Beach card. Be sure the motherboard will support what components you will be putting in your computer, including having an ATA 100 or better drive controller. To find a good motherboard checkout the reviews at Tom's Hardware Guide

(www.tomshardware.com).

Recent 7200 RPM IDE drives are perfectly fine for video editing, so you don't need SCSI anymore. You also do not need to use a RAID configuration for your drives, but it can be helpful under certain circumstances. However, if you have older drives that are not high performance SCSI drives or newer drives less than 7200 RPM you need to buy a new hard drive. Also, you really need at least two physical hard drives. One drive that can be a 5400 RPM,





the primary drive where your operating system and applications are. The other drive is your video data drive, which needs to be at least 7200 RPM. No drive on the IDE cable to either of these drives should be less than ATA 100 because it will slow down the data transfer to and from all drives to its low level. The larger the hard drive the better because video takes up a lot of space. DV format video (most common used in new camcorders) is 3.6 MB per second or 13 GB per hour. The general rule is you will have three times the amount of raw video on your hard drive than the length of the final edited video and you may wish to keep more than one editing project on your computer at the same time. Be sure that your drive controller (IDE or SCSI) can handle the size of drive you buy.

So what about the video card. Do you need one of those really expensive 3D gaming cards? No. Video is 2D. So what you need is a video card that will support 85 Hz refresh rate at the screen resolution you will be using. I personally use 1024x768, but some people use 1280x1024. For a monitor, 17" is a minimum. I use a 19" monitor and many use 21". Many professionals use two computer monitors plus a TV monitor to look how their output looks on a TV screen right away (NTSC is the TV standard in North America, which videoprofessionals jokingly say stands for "Not Twice the Same Colour"). Get a good quality monitor because during video editing you will be staring at it for hours.

You need something to get your video from your video camera into your computer so you can edit it. First you need to look at what your video camera's outputs are. The most common are composite, s-video, and Firewire (IEEE-1394). Composite outputs are found on almost all video cameras. However, they only provide VHS quality output. S-video outputs produce S-VHS quality output for camcorders using Hi-8 or greater formats. Both composite and s-video are analogue outputs, which means you need a video capture card for your computer to convert into a digital video format that is editable. However, Firewire which is in DV format video cameras is better since it will transfer the already digitised DV format video into your computer, with the additional benefit of higher quality video and easier input into your computer than video capture. ATI, Pinnacle Systems, Dazzle, and Matrox make video capture/video editing/Firewire cards at consumer price levels, some with some good consumer editing software. For video capture cards be sure to check frame size capabilities (320x240 or 352x240 is only VHS quality at best). You may not need all the features of these cards, so an inexpensive Firewire card might be appropriate if you are just going to use Firewire to transfer from and to your camera.

These are the basics when determining whether you need to upgrade your computer to do video editing. Some more details can be found at many places on the web and via friends who have done it for a while. So upgrade where needed so that your video creativity can bloom.

Timothy Everingham is CEO of Timothy Everingham Consulting in Azusa.

Further information can be found at http://home.earthlink.net/~teveringham



Profile on - CHRISTINE JENKINS IWPCUG Secretary

I took a two year secretarial course. On leaving school I worked at an International Synthetic Rubber Company, starting with a couple of months in the Post Room learning all about internal and external post. Then I had a few months in the Typing Pool where I did shorthand and typing, wet photocopying, and used an addressing machine. This was followed by six months as Secretary to the Works Chemist where I had to take down laboratory reports in shorthand and duplicate laboratory reports with an inky duplicator. I moved on to working for the Research

and Development Manager doing the usual secretarial duties for another year. And then I progressed to working for the Director of Research and Development where I worked for another three years before leaving. I worked at a power station for a while and then obtained a job working for the Director of Export Sales at a national heating company. I then had a temporary job working for the American Company A.T.T. within S.T.C. which consisted mostly of sending teleprinter messages, via audio typing, to America. When the contract ended I was offered a job within S.T.C. working for about four different managers at the top of the company.

I continued doing temporary secretarial work for a while going to a different job almost every week. One of the temporary jobs I had for about eight weeks was to take shorthand notes on daily Tanker Seminars at an Oil Refinery. I applied to study full-time at a Technical College Lecturing Course at Garnet College, London, and was told to come back the following year with the necessary qualifications. I did the LCC Private Secretary's Diploma locally and at the end of the course that College approached me to do a part-time lecturing job in health, beauty and dress which I agreed to do. About the same time another College offered me a part-time lecturing job teaching shorthand, typing and office practice where I stayed for four years. When I started teaching, I immediately enrolled on the two year RSA Teachers Course for Typewriting and the following year I also enrolled on a two year Cert.Ed. course teacher training course.

I decided to venture into business and became expert in many aspects of picture framing especially different fabric framing which varied from huge Indian silks with real gold to 5ft woollen tapestries which had to be stretched, and Chinese silks and Eastern Cottons which I used to drymount. My training in tailoring, and my City and Guilds Fashion Course was useful.

When I came out of business I knew almost nothing about computers and decided that I had better learn fast. I bought an Amstrad 9512 and an Amstrad 9512+. Some time later I taught myself Locoscript including mail merge and joined the JEB Teachers Course in Teaching Wordprocessing. I taught myself WordPerfect 5.1 for DOS to Stage III and passed both the Part I and Part II the same academic year. I then needed spreadsheet and database knowledge so I joined Highbury College and did the RSA IT Diploma which involved 40 different projects.

While I was doing these courses I had obtained temporary secretarial work in Southampton and London. I also taught myself Multimate over one weekend. In 1994 I came to the Island. I found an evening job teaching typing, Word, Works and WordPerfect 5.1 for DOS. At the same time I taught myself Microsoft Office 4.3. A few months later I did temporary work at the Council with the title of Assistant Civic Affairs Officer working for the Chairman and the Civic Affairs Manager arranging different meetings and functions. After this, I obtained another temporary job as a part-time Lecturer at the Prison teaching six subjects in CLAIT. Since then I have taken the JEB IT Teachers Diploma, City and Guilds Computer Maintenance Certificate and the City and Guilds Web Page Design Course and would like to become capable of using Frontpage and/or Dreamweaver.





THUMBS PLUS - VERSION 5.01

By Roger Brown



here are some programs that you come across that after a few days you wonder how you managed before having them. Thumbs Plus is one of these. I purchased version 4 about 2 years ago and upgraded free of charge to version 4.5. I now have version 5.01, which cost \$20 to upgrade. It is worth every cent. To purchase the new version from scratch will cost \$79.95. But as you will see it's well worth the money when it comes to cataloguing and processing your pictures.

After downloading the software (available from Cerious Software) it is easily installed. A trial version can be downloaded free of charge.

Once installed and running the first thing you need to do is to right click on your main drive and tell it to Scan Disk. Now go away and have a cup of tea while it searches your Hard Drive for any pictures and turns them into thumbnails (small images which are very small in file size). When this is done you will have all the pictures readily viewable. This is just the beginning. Almost everything is configurable so that you can set it up as YOU wish. The window is divided into 3 areas: the file tree, the thumbnail pictures, and a preview pane. You can vary the size of each part to suit your needs.



When you click on a thumbnail it will appear in the preview pane. To view all the pictures in sequence you click on the slide picture on the tool bar. The slideshow is easy to configure. New folders are easily set up on the tree by right clicking and naming as required. Pictures can then be dragged/dropped into the required folders either singly or multiple. The thumbnails can be sorted in many different ways: date, size, type etc. You can show beneath each picture the file number, date etc according to your choosing. The toolbar is configurable so that you can place on it your most used programs. This means that you can copy a picture into say Adobe P S simply by clicking the thumbnail and then clicking on the Adobe P S icon. Printing is very versatile. You can print single images or multiples. If you select 4 pictures you can instruct ThumbsPlus to print all four onto one piece of A4 paper. It will automatically rotate pictures to fit on the page. You can also select standard print sizes in imperial or metric units.

The other main part of the program is the ability to process your pictures either singly or in batches. When you double click a thumbnail it will bring up a full screen picture. If you have a scroll wheel on your mouse you can use it to magnify or reduce the image. There is a new menu bar at the top giving you a vast array of tools. These allow you to: alter contrast, brightness, gamma, sharpness, colour saturation and much more. You can also crop, rotate, resize, remove red eye and again much more. I have found that the red eye removal is one of the easiest I have seen. Another very useful function for me is 'rotate to line'. You can draw a vertical or horizontal line and rotate the picture to it. No more sloping horizons!

ThumbsPlus is so hugely versatile that the only way to learn more is to download the trial version. As I said I have been using it for over two years and I am still finding useful things that it can do. Go to http://www.cerious.com for the download. Version 4 is still available and will do all of the things mentioned above but version 5 is even better so if you are looking for a way of organising and manipulating your pictures then try ThumbsPlus.

If anyone is really interested they are welcome to see my set up at home and see the full potential of the program.

Editors Note: Our thanks to Roger for stepping into the breach at short notice to present his talk on Thumbs Plus at the Riverside Centre on 16th April.

Drive Image 2002

by Ted Littman, NOCCC



According to PowerQuest, the maker of this software program, "Imaging is the process of creating an exact clone of your hard disk (or partitions on the disk) in another location. An image file can include the operating system, any applications you have installed, and your personal configurations and settings (including hidden files) – in addition to your data files.the image file includes everything you need to get your system back up and running quickly after a system failure." The program is not intended to back up individual files or groups of files. For that, there are many other available backup programs.

The destination of an image file can be a local partition (or disk) that you are not copying from (such as the one containing your operating system), removable media like CD/CD-RW, Zip, or Jaz disks, or an external hard drive. (However, PowerQuest says that external hard drives are not officially supported.) Drive Image will also store an image file on a network drive. Use of removable media probably should be considered primarily for small image jobs. For example, if you were imaging a 10 GB disk, it would require 6-8 CDs with full compression. A large external hard drive with a fast USB 2 connection makes a good image destination, if you are aware of its limitations.

Drive Image 2002 is intended to operate within Windows (from 98 through XP), but there must not be any open programs or processes within the partitions you are trying to image. If there are, then Drive Image reboots and runs in DOS mode since this limitation does not apply. Is this bad? Well, that depends on your destination for the image file. Your operating system must be able to recognize the destination. Unfortunately, DOS can't "see" an external drive since there are no DOS drivers currently for such hardware.

What about recovering your system after a hard drive failure using an image file? Well, this is straightforward. You can restore to the same hard disk or to another local hard disk. If you restore to another computer, it must have the same hardware and configuration to avoid problems, unless you are imaging only data files. When you restore from an image file, your system is returned to the state it was in when the image was created. Scheduling this operation on a regular basis is the recommended way to go.

I recommend Drive Image 2002 to anyone wanting to protect his/her computer system from a major failure and the program does everything it is supposed to. In an Aug. 2002 review by PC World, it was rated 4 ½ stars (out of 5) and cited as "The best drive-imaging tool." The program also provides limited partitioning capability. It is relatively fast, imaging a GB in 10 minutes or less. To help the novice user, there are four "Wizards" which run as advertised.

Drive Image 2002 can be purchased for about £32 +vat at the usual computer stores or on-line for less.



PRIZE PUZZLE CORNER MAY 2003

by David Broughton



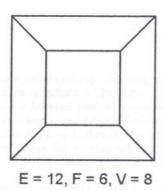
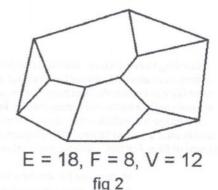


fig 1



I'm sure the puzzle this month is different from any you have done before although it not at all difficult. It requires you to draw or sketch a diagram composed of straight lines joined together similar to the diagrams shown here.

It is a well known fact (discovered by Euler) that in a diagram of this kind (called a closed polyhedra) if you count the number of faces (F), the number of edges (E) and the number of vertices (V) (where the edges meet), the formula E+2=V+F will be true. Note that the number of faces must include the outside of the diagram. Fig 1, for example, represents a cube with six faces, the sixth being the "outside world". Figure 2 is a more irregular figure but the formula still holds.

These two diagrams, are, in fact, a special case where all vertices have exactly three edges. It is quite easy to draw such diagrams and you can test out Euler's formula for yourself by constructing your own diagrams.

It is not quite so easy, however, to construct a diagram if you are given the values of E, F and V. So the puzzle this month is to draw a diagram of this kind with E = 15, F = 7 and V = 10.

The rules are: the edges must be straight lines and exactly three edges must be connected to each of the 10 vertices. You may sketch the diagram on paper or send me an image by email (but make sure it is compressed in GIF format). The closing date is Wednesday, 4th June 2003 but I would prefer answers before that date so that I can check them at my leisure. Best of luck.

ANSWER TO THE BLUE SQUARE PUZZLE

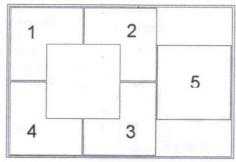


Fig 3

This was a computer program simulating a wooden block sliding puzzle where the blue square (number 5 in fig 3) had to be placed between the corner pieces. Only two competitors gave me answers. These were Rachel Bradley and Gordon Stoneham. Rachel won the draw. Well done, both of you. Perhaps this puzzle was a little too difficult for most. One solution is as follows (refer to Fig 3) using the letters U,D,R,L for Up, Down, Right, Left: 5U, 3R, 2D, 5L, 3U, 2R, 4R, 1D, 5L, 3L, 2U, 4R, 3DL, 4LUL, 3R, 4D, 5R, 1U, 4L, 5DL, 3L, 2L.



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Contact: Roy Hollis Tel. 611433

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> Contact: Roy Hollis Tel. 611433

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