*This month in*

# SIXTEEN BITS

## Features


6 **Filtering your email Messages**
*Owen Cook filters our mail*

8 **Communications Research Forum**
*Ian Johnston reports from Old Parliament House*

12 **WordPerfect Suite 8**
*A review by Vic Bushell*

16 **Bits and Bytes**
*Have a laugh!*

18 **CD ROM Column**
*Nick Thompson reviews a selection of software*

28 **Qool URLS**
*Anne Greiner selects the best of the Web*

30 **What's News?**
*Malcolm Morrison keeps up with the latest*


## Profile


2 **Editorial Information**
*How to contribute to Sixteen Bits*

3 **Contact Information**
*How to contact us*

4 **Editorial**
*Vic Bushell*

4 **President's Letter**
*Ken Livingston*

5 **Letters**
*From our readers...*

## PCUG News & Services


7 **Membership Notes**
*Mike Burke with information for new members*

22 **Software Library News**
*Phil Trudinger reviews a selection of software*

32 **Internet Project Application**
*Get connected with TIP*

33 **Member Services**
*Details of services available to members only*

34 **Special Interest Groups**
*Where the real action is*

35 **Training News**
*Low cost training for members*

36 **Vendor Discounts**
*Membership has its privileges*

38 **Members' Ads**
*Check here first for bargains*

38 **PCUG Membership**
*The official membership form*

39 **Help Directory**
*Stuck? Call the experts*

40 **Calendar**
*What's on next month*


**Advertiser & Product Information**


| | |
|---|---|
| 9 | InterACT Technology Group |
| 11 | Software Shop |
| 15 | L&S Associates, AB&T |
| 17 | Bettowynd |
| 36 | Vendor Discount Scheme |
| Inside Back | Computech Computer Group |
| Back Cover | Maestro |

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- By fax to (02) 6253 4922
- By mail to the Centre's address above.

Anonymous contributions will not be published, though name and address can be withheld from publication on request. Disks are not returned unless requested by the author.

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## Deadlines For December '97 Issue

Articles and Member Ads
Friday 21 November 1997
Commercial Ads
Friday 28 November 1997

## Advertising in SIXTEEN BITS

***SIXTEEN BITS*** is a unique and powerful medium for reaching the thoughtful decision makers in the ACT area. Our circulation exceeds 3500 copies each month, with multiple readership exceeding 4800. Many copies are retained by members for future reference. The advertising deadline is normally the first Friday of the month of publication.

Advertising options include

- **Cover ads**
- **Display ads**
- **Special inserts**
- **One-off mailing lists**

Regular advertisers receive discount vouchers to pay for any future advertising with *SIXTEEN BITS* (subject to account being in order). Every 12th consecutive ad placed is free. Please contact the Advertising Manager, Ken Livingston, on (02) 6285 3747 for further information.

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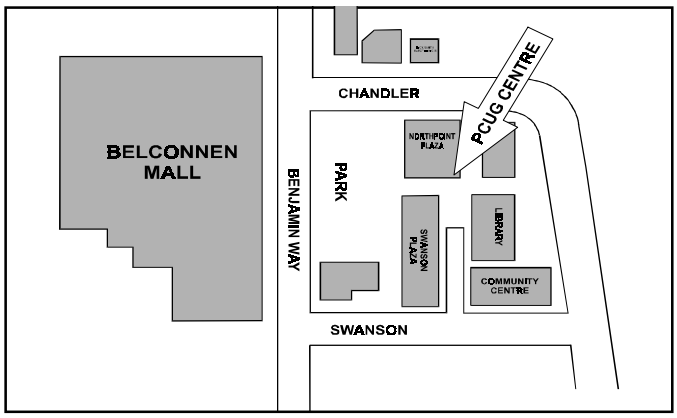
The phone numbers listed above are home numbers unless otherwise specified. **Please restrict calls to between 7.30pm and 9.00pm.**

## New Members' Information Night

7.30pm *first* Monday of the month PC Users Group Centre, Northpoint Plaza Belconnen.




# How To Make Contact

### ✉ Postal address

PO Box 42
Belconnen ACT 2616
**(For *ALL* correspondence)**

### ☺ PC Users Group Centre

Northpoint Plaza, Belconnen
**Open Mon, Wed and Fri 10am-2pm**
**Saturdays and Sundays 9am-5pm**
(closed long weekends)

The PCUG Centre is the venue for PCUG training, some Special Interest Group meetings and other activities. There is no charge for using the Centre for *PCUG activities*. Contact Petra Dwyer at the PCUG Centre on (02) 6253 4911for bookings.

### ☎ PCUG Main Phone number

(02) 6253 4911
(Answering machine when Centre unattended)

### Fax number

(02) 6253 4922

### Email

*pcug@pcug.org.au* (or use addresses at left)

### The INTERNET Project

(02) 6206 6200 *help@pcug.org.au*

### World Wide Web page

*http://www.pcug.org.au/pcug/*

### Bulletin Board Service (BBS)

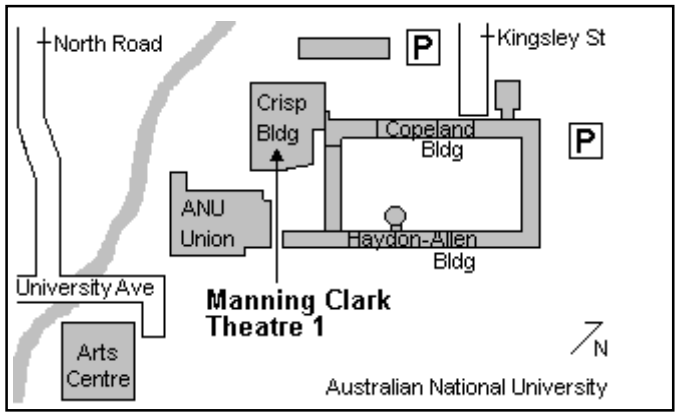
(02) 6253 4933 (5 lines 33.6k bbs)
Fidonet address 3:620/243

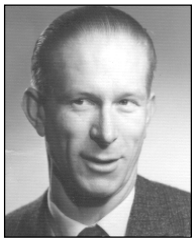
### ☎ BBS Sysop voice number

(02) 6253 4966 (6.00pm - 9.00pm)

## Main Meeting

Main meetings are held 7.00pm for 7.30pm, *usually* on the last Monday of every month at Manning Clark Theatre 1, Crisp Building Australian National University.





# Editor's Desk Top

*Vic Bushell, Managing Editor*

Since upgrading my computer and installing the software used to produce the magazine, I have had fun and games aplenty trying to maintain it all. One example (there have been others) was the ZIP drive install. On my machine, running Windows NT, the install did not behave as described in the documentation and caused NT to crash. So I repartitioned my drive using PartitionMagic and installed Windows NT again, and Windows 95. I made separate partitions for applications and data. With the ZIP drive installed in Windows 95, I copy its data to a FAT partition, which is recognised by both Windows NT and 95. I can then copy PageMaker files (installed in a NTFS partition, which is recognised by Windows NT but not Windows 95) to this FAT partition and thence to the ZIP drive.

Because the applications and data are in their own separate partitions, then in theory they should be protected from system crashes and the like. But when I booted recently I had FAT errors in Windows 95 and corrupted NT system files. All installed applications could not be used but at least the data was saved. I never had so much fun with good old DOS. This leads me to my next point.

Last month we included a letter from Rod Smith, seeking help from any member who could solve his rebooting problem. Did you have any luck Rod? On reflection, it seemed that this could be a useful section to include on a more-or-less regular basis and some members have asked for this. There must be some (many?) members out there who occasionally (often?) strike some problem that is a little outside the range of help available as listed in the Help Directory. I'd like to extend a general invitation. If you have an odd problem, contact the Editor. Perhaps some help could be forthcoming from those with some expertise in the matter. A personal plea: are there any Windows 95 and NT gurus out there?

So, welcome to my first issue of Sixteen Bits. It has been a real eye-opener for me to see the effort put into producing the magazine, and the enthusiasm shown by all members of the editorial team for achieving that ever-elusive perfection. I also recall from Tamsin's introducing me in September that I had 'plenty of time on my hands'. True, but where has it all gone?

# President's Letter

*Ken Livingston, President*

A zillion thanks to our retired editor, Tamsin Sowden, for her tremendous contributions to the group. At the same time, I am pleased to welcome our new editor, Vic Bushell, into the editorial hot seat. Indeed, as Tamsin indicated in last month's editorial, editing *Sixteen Bits* is a demanding task. And the question of remuneration – not only for the editor, but also for volunteers in general – deserves careful consideration.

As Tamsin and others continue to improve the online version of Sixteen Bits, the idea of offering an option to members of receiving the magazine in electronic form instead of a printed copy becomes more viable (see Kevin Bates' letter to the editor in last month's *Sixteen Bits*). I invite your comments on the proposal, both pro and con.

### New SIGs

Two new special interest groups are underway. Roger Lowery is organising a Flight Simulator SIG. Flight Simulator enthusiasts can read all about it in last month's *Sixteen Bits*. Roger's email address is lowery@pcug.org.au. A Business SIG is also in the formative stage. Join with other members who are interested in making money with their PCs and explore the possibilities! Give me a ring if you are interested.

### Bring and Buy

Be sure not to miss this year's Bring and Buy at Albert Hall. Mark your calendars for Tuesday, 2 December at 7.30pm. Santa Claus (rumour has it that Santa is secretly a member of Coffee and Chat) is making a special visit so bring the kids along. If you have stuff that you wish to sell, come early to set up and ensure a good spot. Contact Wolfe Lieske on 6258 5250 for more information.

### Committee Stuff

If the sheer volume of email and phone calls is any indication, I can report that the new Committee is anything but inactive. It seems that every aspect of the group is being examined in painstaking detail. How can we improve our member services? Where should we expand? Where should we cut back? Why are things done this way or that? The Committee consists of a large proportion of new members this year, bringing a fresh perspective to the Committee table. Yet along with the new Committee members come an infinite regress of questions and a concomitant quest for new and improved answers. The process is healthy, I think, so long as we don't become frozen in a prolonged state of collective soul-searching.

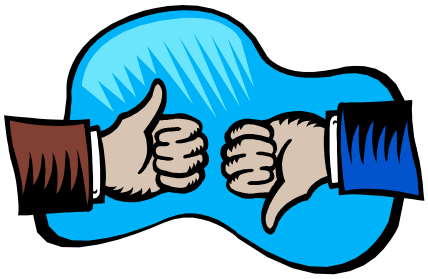
### October Committee Meeting

Ian Johnston, Anne Greiner and John Hambley were co-opted to serve on the Committee for the remainder of the current term.

Six sub-committees were formed: Executive, Policy, Planning and Public Relations, Treasury, Information Services, Education, and Support Services.

I would like to end by, first, asking all members (seems to be an occupational hazard of editors everywhere), to think about contributing an article on their experiences, suggestions, hints or whatever, and, second, by thanking Tamsin, Anne, Mike, Andrew, Malcolm and Michael for all their help and best wishes. I know I'll need them.

# Letters



Dear Editor

This is a good news story about a local hardware vendor.

Last week I needed an urgent upgrade to a hard disk for my laptop. After calling around several vendors, I negotiated a reasonable price with Insight Technology of Calwell to provide and install a new 2.1 Gb hard disk and to copy 500Mb of prgrams and data from my existing disk across to the new one. I dropped off my laptop at 9.30am and picked it up again at 4.30pm the same day. It all worked perfectly, and the next day I even received a call from Insight asking if everything was OK. Service indeed.

*Lis Shelley*

Dear Editor

This is just a quick letter to say 'hi' to the fellow PCUG members I have assisted in getting connected to TIP over the past few weeks.

While I could always say I was a 'Dynamite Internet' expert I can now also add TIP to my list. Many users were having problems connecting to TIP. Most of the problems concerned configuring their machines for connection to the Internet. Thankfully in this respect TIP is almost identical to Dynamite in regards to system settings. Can I suggest that you dispense with the menu prompting for PPP, slip, or whatever and go full PPP? I'm not sure of the ramifications but it would make manual connections much simpler.

I can only recommend the 'Help Directory' to all PCUG members – also to ease my workload other 'net experts should also offer their services. I live in Gungahlin so a volunteer say in Beconnen, Woden and Tuggeranong would help spread the work.

It is interesting to note that I am NOT listed for TIP help (Internet Explorer only amonst other things), but that is all I have been doing. Comments regarding access to support from PCUG haven't been very good and the lack of vital information (DNS, dial-up numbers etc) in *Sixteen Bits* is also discouraging.

I could almost make a living out of this but as a volunteer it is far more enjoyable.

*PeterTilbrook*
*(webmaster@dynamite.com.au)*

*The DNS information, dial-up numbers and so on for TIP are printed every month if possible. They appear at the bottom of the box about Nhan Tran's TIP Help Pages. This month they are on page 21. However, I do note that in some months, the last few lines about the ftp and WWW servers and proxies have been cut off. They're back in this month. Information about the BBS appears on the Member Services pages, this month on page 33. –Ed.*

**Oz User Groups**

**Adelaide PC Users Group**
**PO Box 2541**
**Kent Town SA 5071**
**(08) 8332 0766**
**Meet:** 7.30pm, 3rd Tuesday of the month at Enterprise House, 136 Greenhill Road, Unley. Visitors $5.

**Brisbane PC Users Group (Brisbug)**
**PO Box 985**
**Toowong QLD 4066**
**(07) 3299 3943 Info Line**
**(07) 3209 4980 (fax)**
**Pam Kirk (Pres)**
**Home page** *http://www.brisbug.asn.au*
**Meet:** Kelvin Grove High School, Kelvin Grove, Brisbane. 9am-5pm approx, 3rd Sunday of the month.

**Darwin Computer Users Club**
**Gary Drake (Vice President)**
**(08) 8932 4107 h**
**(08) 8945 0091 w**
**Email** ***acsnt@acslink.net.au***

**Melbourne PC User Group**
**2nd Floor, 66 Albert Road**
**South Melbourne VIC 3205**
**(03) 9699 6222**
**10am - 3.30pm**
**(03) 9699 6499 Fax**
**Email** ***office@melbpc.org.au***
**Home Page** ***http://www.melbpc.org.au***
**Meet:** 6pm, 1st Wednesday of the month (except Jan) at Pharmacy College, 381 Royal Parade, Parkville.

**Perth PC Users Group**
**PO Box 997**
**West Perth WA 6872**
**(08) 9399 7264**
**Terry Vernon (Pres)**
**Meet** 6.00pm, 1st Wednesday of the month at Ross Lecture Theatre, Physics Building, University of WA, Nedlands.

**Sydney PC Users Group**
**PO Box A2162**
**Sydney South NSW 2000**
**(02) 9972 2133**
Meet 6pm, 1st Tuesday of the month at main auditorium, Teachers Federation, 300 Sussex Street, Sydney.

# Filtering your email messages:

***A quick guide to sorting mail***

If you receive fifty or more emails a day, then it would be nice to have your mailer do some pre-sorting. And if your mailer is a news reader as well, you can then filter News to get rid of that Spam. I have this filtering facility with Agent, but it is also available on other programs such as Eudora Pro (email only) and Pegasus.

With mail, anything received by you has been addressed to you though it is not always obvious. You may be a Cc: or a Bcc: addressee, or on a mailing list. The list name you will see, but not your name or email address. The next point to note about mail is that it has come from somewhere, the owners of a mailing list, a friend with a regular email address, or a spammer with some crazy address. And the last point to note is that email usually has a subject line.

Filters allow you to use the message characteristics to file your messages into appropriate folders. But there is a trick. Let's look at the following example. You have two messages to download addressed to me@pcug.org.au, and you have set two filters. Your first filter says – if this has {To: me@pcug.org.au} then file in the ME folder; the second says – if the message has {From: jodi@msn.com) then file in the JODI folder. Well because both messages are addressed to me@pcug.org.au, the first filter grabs both of them and files in the ME folder, the one from Jodi did not get filed correctly. The ME filter should have been the second, not the first, one encountered.

Because I am on the TIP Help desk, here are some of my filters to ensure HELP-related messages get filed into my HELP Folder, in verbose form.

If the message has:
To: Help-Dist
To: help@pcug.org.au
To: help@tip.net.au
Cc: help@pcug.org.au
Cc: help@tip.net.au
From: helpmaster
From: WWW daemon <www>
then file in the HELP Folder.

I have a similar number of filters for PCUG Committee mail, and in all 20 folders and about 60 filters. By and large they work most of the time. The odd failure calls for a bit of detective work, and is usually not worth the time solving.

Not only can you file messages, you can also delete them, or mark them as being read, or, if they are in a thread, ignore the thread, or watch. For example, suppose you get a lot of junk mail sent to you as a Bcc recipient, and the To: field is completely blank. For these messages (with the To: field blank) I have a filter that deletes them. I never see these or those sent from 2397523957@some.domain (usually AOL) – another filter deletes these also.

News can be filtered as well, but the purpose is usually a bit different, and so the filtering criteria are different. For example, any message that has a subject heading including the words or letters; FS, fs, FOR SALE, For Sale and a few other combinations, like test or testing will be marked Read. So I do not notice it has arrived, just like this one, which turns up in tip.general every now and then, I think. The subject heading is: {ATTENTION: Users over quota in /var/mail}. It is automatically marked Read.

Most filters just compare words, and do not add to the download time of messages. However, there is another class of filters that requires a fair bit of CPU time, and these can slow down your downloads.

All these things and more are in store for you when you start dabbling in filters. For example, you can filter a Subject Heading to look for 'Smith and Jones' (both names have to be there), 'Smith or Jones' (either Smith or Jones or both have to be there) or 'Smith not Jones' (it must have Smith but not Jones).

It took a bit of time to develop the filters I have, but I am glad I did. They allow me to allocate my on-line time to answering those messages that are in the HELP folder, and maybe some of my personal messages. All the others can be dealt with off-line.

*Owen Cook*
*rcook@pcug.org.au*

# *What's a JAnnieQ?*

Dating back ten years, when the only form of communication via the comptuer was with the BBS, I talked to many people and made many friends.

I first met the 'infamous' Dac whose reply to my tentative venture into ACT Chat was 'Sheesh, not another cloth-eared bint?' failed to deter me and I went on to talk to many people from the ACT and interstate via the original Fidonet 'LTUAE'.

In December 1987, I decided to have a BBQ on Australia Day 1988 for the local residents of LTUAE. This included a few people who made the *looong* journey from Sydney too.

And so it began. The following year people came from Melbourne, and over the past seven years we have had people from all states in Australia – and they keep coming back.

For the past nine years, it's been 'bring your own food and drink', salads and nibbles supplied. However, as this year is the big 10th Aniversary of the JAnnieQ, we are going to be a bit different and have a spit roast. There will be charge of around $12 a head but at least it means I won't be spending all day Saturday making salads.

We also have T-shirts (the design of which is a well-kept secret until either the night before or on the day). These cost around $16.

As we have many visitors, the night before the JAnnieQ is usually spent at Cafe Pronto where the food is cheap(ish) and plentiful and the staff are very understanding! The more energetic of the crowd have been known to party on until the early hours in Canberra's night spots.

If you would like to be part of this fun occasion on Sunday 25 January, give me a call on 6282 2536 or email me at abyrne@pcug.org.au

# Membership Notes

*by Mike Burke*
*Membership Secretary*

Welcome to new members reading *Sixteen Bits* for the first time, welcome to the PC Users Group. Continuing members should also check this column regularly because I am sure that there will be some little surprises from time to time, even for the most jaded of old hands.

If your PCUG
membership expires at
the end of December 1997
**RENEW NOW**
**to avoid losing access to**
**The Internet Project.**

### Your Membership Card

Your membership card will be mailed to you as soon as possible after your application for membership, or renewal, has been processed. This will normally occur within one week of your receipt of your first issue of *Sixteen Bits*. Please be patient, however. There is only one print run of mailing and membership labels every month, and this normally occurs over the weekend immediately before the *Sixteen Bits* stuffing day (normally the third Monday in the month). Normally, membership cards and disks will be dispatched on the third Monday. If you lose your card, please leave a message with the Executive Secretary on 6253 4911, or contact me directly via TIP at *pcug.membership@pcug.org.au*.

### Information Disk

New members should also receive a disk containing information about the Group and its services. Please read the information on the disk carefully as you will find the answers to most of your questions there.

### New Members' Information Night

New members are especially urged to attend a New Members' Information Night which is normally held at 7.30pm on the first Monday of the month (except January) at the PC Users Group Centre (see map page 3). These meetings are a chance for new and 'older' members (who are always welcome to attend) to meet with representatives of the Committee, to put names to faces, and to ask any questions that you may have about the Group and its activities. Tea and coffee are available, and the atmosphere is informal and friendly.

### Main Meetings

Our main meetings, targeted at our general membership, are normally held monthly, on the last Monday of the month. The date, venue and topic of the meeting always appear on the front cover of *Sixteen Bits* which is timed to arrive in your mail-box in the middle of the week before the next main meeting. Main meetings are also advertised in the computing section of the Canberra Times on the day of the meeting. Anyone is welcome to attend these meetings—you do not need to be a member. For main meetings, we arrange guest speakers on a variety of topics throughout the year. As an added incentive, there are usually a couple of door prizes to be won. You've got to be in it to win it. There is no main meeting in December.

### Special Events

We also have some special events such as the 'Bring and Buy Night' at the Albert Hall in November, and an annual Quiz Night in April. You should read *Sixteen Bits* thoroughly as special events are publicised mainly through the magazine.

### Annual General Meeting

The Annual General Meeting is held in September each year. Even if you are unable to attend Main Meetings regularly, members should make every effort to attend this Meeting at which office bearers for the ensuing 12 months are elected.

### The 'Rules' and Other Good Stuff

For those who haven't yet learnt through bitter personal experience, please remember that TIP access is dependent on your continuing PCUG membership, and that it takes time to process your membership renewal - currently up to two weeks. We are looking at ways to reduce this time, but the best solution is for you to remember to renew early. Members, particularly TIP users, whose PCUG membership expires at the end of the month stated in the above box should renew their PCUG membership immediately. Do not delay because your TIP access will automatically be cut off at midnight on the last day of the month unless your renewal has been processed.

Don't forget! **RENEW TODAY**, if not yesterday, if this copy of *Sixteen Bits* arrived with a pink label.

For those of you who would like to try it, John Carroll has produced a natty little Windows program that can be configured to automatically provide you with up to 90 days' prior warning of your PCUG membership expiry. The program is now included on the New Members' Disk, and is currently available from the BBS.

**Next New Members' Night**
**1 December 1997**
**7.30pm**
**PCUG Centre**
**Northpoint Plaza, Belconnen**

# REPORT: COMMUNICATIONS RESEARCH FORUM 1997

*Ian Johnston*

I represented the PCUG at the Communications Research Forum held at Old Parliament, Canberra, on 2 and 3 October 1997.

The Forum was organised by the Bureau of Transport and Communications Economics (BTCE), with the assistance of the ANU's Telecommunications and Information Activities Program (Centre for Law and Economics) and Graduate Program in Public Policy.

The Forum is an annual event for the exchange of ideas on communications policy research. Around one hundred researchers, decision-makers and service providers attended.

Below, I briefly outline topics covered by the Forum, touch on the keynote address, report on a paper and presentation by the Australian Broadcasting Authority (ABA) on Internet regulation, outline findings of other selected papers and conclude with some general comments.

## Topics Covered

Research papers presented at the Forum covered a wide range of topics including:

· Internet regulation, international copyright and telecommuting;

- online service delivery by Government, particularly to remote and rural areas;
- electronic communication in the community sector;
- improving information access for the visually impaired;
- international approaches to skills development in the use of information and communications services in the information society;
- telecommunications affordability, pricing, interception, competition, facilities access and law;
- radio frequency spectrum management and auctions; and
- pay-TV policy-making, program pricing, and the impact of television on children.

A complete set of the Forum papers will be available for perusal at the PCUG Centre. Abstracts of most of the papers presented are available at:

http://www.dot.gov.au/programs/btce/forum/prog97.htm.

The papers were supplemented with two general policy discussion panels – one on *Australian Content on Pay TV* and the other on *Telecommunications Deregulation and Universal Service Obligations (USO)*. In the *USO* discussion, I questioned the merits of maintaining an administratively complex national trust fund scheme for funding the provision of non-commercial services valued at a cost of around $250m. There were indications of support for my view.

Towards the end of the Forum program there were three Research Round Table Discussions held to facilitate the exchange of ideas on research. The main outcome of the Round Table in which I participated was agreement to continue the networking and exchange of ideas online. I have now joined TelOZ, an email list operated by the *La Trobe University Online Media Program.*

## Keynote Address

The keynote speaker was Professor Fels, Chairman, Australian Competition and Consumer Commission (ACCC). He spoke of the role of competition policy in general and in relation to telecommunications in particular. The ACCC assumed the primary role for competition and economic regulation of telecommunications services - including online services - from 1 July 1997. (The ABA has the primary role for content regulation.)

Professor Fels saw an emerging need for much research work in the area of intellectual property and copyright law, noting that this should not be left to lawyers and producers of intellectual property alone. He also spoke of the role of the researcher as a social scientist whose work occasionally influenced social and economic policy. He noted that sometimes research was undertaken to support pre-determined policy, and at other times the conceptual approaches, work and ideas of researchers found their way into public forums – through, for example, John Laws and Pauline Hanson.

## Regulation of the Internet and other Online Services

The ABA presented a paper, *Regulating the Internet – A Comparison of Approaches in Four Countries*. The paper reports on approaches to Internet regulation in Australia, Malaysia, Singapore and United Kingdom.

The paper notes the significant benefits of the Internet and other online services to individuals and organisations for communicating, entertaining, educating and informing. However, it also notes that concerns have been raised around the world about the content of some of these services and how to ensure that these new services are used in the most productive manner.

The paper explains that models adopted in most countries to regulate content in traditional media such as printed publications, film, video and television have relied upon the production and distribution of content being carried out in a relatively centralised and organised manner within domestic frameworks. In contrast, there is no central control or ownership of the Internet and the functions performed by the participants in the online environment are not as fixed as in existing media publications and broadcasting models. Significantly, the Internet enables any person from around the globe to create content and make it available online.

While it has been suggested that international cooperation is the best way to tackle concerns about Internet content, many countries have been investigating

*(continued page 10...)*

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## *Cries for HELP*

### OFFICE 97

Having scanned The Help Directory I notice that I am unable to find anyone with expertise in Office 97 and particularly Outlook.

I am having awful troubles with the configuration of this product.
Is there anyone within the Group who might be able to assist?

Stuart Althaus
*salthaus@consultel.com.au*

### OMNIPAGE

I am having a few difficulties with OmniPage v.8. I looked in The Help Directory but no-one was listed with OmniPage or scanning experience. Is there anyone in the Group with such experience?

Alan Hatfield
*alanhat@ozemail.com.au*

*Alan writes further:*
I've since heard from Caere (producers of OmniPage) and it's clear that converting spreadsheets printed out with the gridlines is near impossible for OCR. So that's 90% of the answer I was seeking.

I must admit that I bought OmniPage for text conversion, and it was only after I got it that I thought it would be worth trying on spreadsheets.

and implementing their own regulatory measures in relation to online services.

Flowing from the ABA's work, the Federal Government has announced a plan to develop a national regulatory framework which aims to protect Australian citizens, particularly children, from offensive or illegal material online. This includes:

- the Australian Broadcasting Authority will be the online content regulator (as noted above);
- a set of legislative principles (see http://www.dca.gov.au/mediarel/c8197.html); and
- substantive amendments *to Broadcasting Services Act* are being put in place.

The background to this announcement and the views of many stakeholders may be found at:

http://www.pobox.com/~rene/liberty/debate.html .

Specific matters to be investigated by the ABA include:

- industry codes of practice that will apply to online service providers and the operation of effective complaints procedures;
- national and international developments in the use of online content labelling to protect children from content which may be harmful to them;
- national educational strategies to ensure that Australians accessing online services utilise these services in the most effective and productive manner; and
- international developments in relation to the regulation of content of online services.

Because of implications of these investigations for the PCUG, we intend to continue monitoring developments in online regulation and to participate in the development of industry codes. If you are interested in participating, please contact me by email (ijohnsto@pcug.org.au).

## Findings from Research Papers

I have distilled from three selected research papers key findings which readers may find interesting:

- ***Going Online in Regional Australia:*** 1996 Australian Bureau of Statistics data indicates that 31% of households have PCs - 34% in metropolitan and 25% non-metropolitan. The proportion of PC-owning households having modems is 26% - 28% in metropolitan and 23% non-metropolitan. The proportion of Australian PC-owing household with modems was 8% - 9.5% in metropolitan and 5.6% non-metropolitan.

This ABS data highlights the current very early stage in the diffusion of online services into the residential market. Factors contributing to the disparity may be explained in terms of service and equipment costs, communications infrastructure quality and perceptions about the utility of online services. Each of these propositions is analysed, some general and tentative conclusions are drawn and areas for further research identified.

- ***Opening up access to Government through Electronic Service Delivery:*** The greatest barrier to equitable access in electronic delivery of electronic services is the willingness of telecommunications carriers to provide new and innovative services at affordable price in remote areas. Carrier tariffing policies, which are unrelated to the true cost of services, also inhibit the take up of electronic services by Australian citizens. The Commonwealth Government through its purchasing arrangements is seeking to persuade carriers to change their approach to tariffing.
- ***Electronic Communication in the Community Sector*:** A survey of 209 national and state community organisations indicated that the most significant barrier to adopting electronic communications was related to affordability. Many organisations perceive affordability as a greater problem than it actually is.

The paper also concludes that consideration needs to be given by government, the community sector and industry to proposals to enhance the access of low income and disadvantaged people to electronic communications and information services. Such proposals may include programs to recycle old computer equipment formerly used by industry and government along the lines of the Victorian program "Project Recycle" and/or training programs.

## Some concluding comments

I took the opportunity to inform many researchers, policy-makers and service providers of the PCUG (ACT) Inc, its virtual community, its many and diverse activities and its support for special interest groups.

In a number of quarters, there is interest in how the wealth of knowledge and expertise within communication and information literate community groups, such as the PCUG, might be harnessed and gainfully directed to assist other community groups and individuals in accessing online services. There is also interest in knowing why and how such community groups survive and thrive.

The BTCE has expressed an interest in the PCUG in the context of a current research project. This project, *Access to Information and Communications Services*, aims to develop a framework for examining the rational and costs of public policies to minimise barriers to accessing online services from home. Central research questions include: are particular community groups likely to miss out on commercial provision of particular online services; what would it cost to assure their access; and, who should pay and by what means?

The PCUG - as a successful, self-funding, community-based, not-for-profit organisation with a diversity of interest groups and a culture of *users helping users* - may well prove to be a model worthy of study in the context of this national BTCE project.

Though my participation in the Forum, I have found a national network of people centrally involved with the communications and information technologies, services and research. I have also found valuable sources of information and gained a better understanding of issues relating to access to and regulation of the Internet and other

*(continued page14...)*

## TIP 'Monopoly' Hours

TIP has now been operating for over two and a half years and the Internet Project Management Committee has decided it is time to modify the 'monopoly' hours scheme which is used to discourage overuse of TIP facilities. From 1 October 1997, the 'penalty' rates will start to operate after TWO hours use on any day, not one hour as at present. TIP time logged on will be debited to your account at the following rates:

| | |
|---|---|
| First TWO hours | one minute per minute of use |
| Third hour | two minutes per minute of use |
| Fourth hour | three minutes per minute of use |
| Twenty-fourth hour | twenty-three minutes per minute of use |

Note that these rates apply for time used on any day (midnight to midnight), NOT used in a single session. A one hour session in the morning, followed by a two hour session in the evening, will cost FOUR hours time. A four hour session from 10.00pm one evening to 2.00am the next morning will cost only four hours, provided you do not otherwise use TIP on either day.

Usage rates of TIP will be closely monitored to ensure that service levels do not deteriorate as a result of this decision.

IPMC, September 1997.

# Working with WordPerfect 8

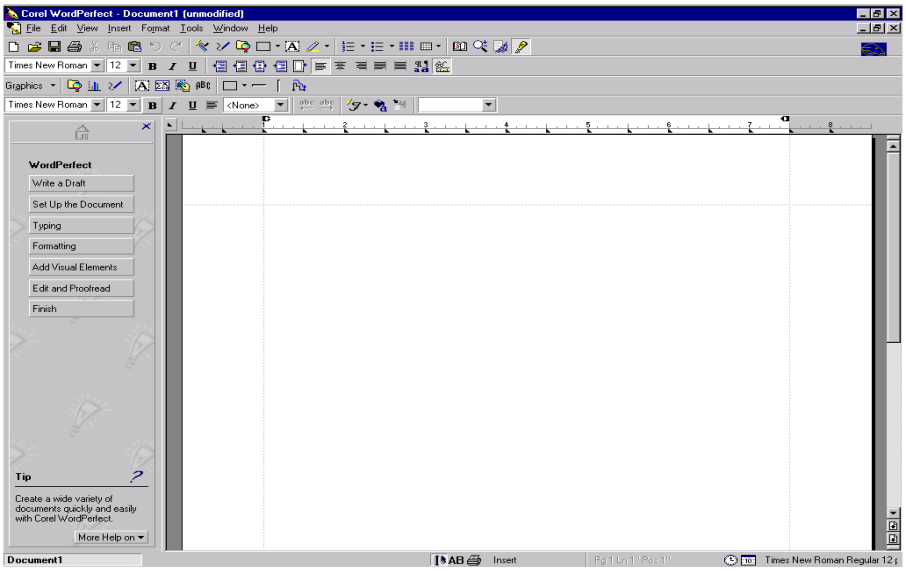
*A review by Vic Bushell*

WordPerfect 8 is the latest version of the Corel WordPerfect Suite 8 word processor. It is one of the core applications, the others being Quattro Pro 8, Presentations 8 and Central 8. Also included are Photo House, Barista, Envoy Viewer, Quick View Plus, Bitstream Font Navigator, some 10 000 clipart images, 1000 fonts and 200 photos.

At the time of writing, Central 8, the suite's PIM, had not shipped to Australia but was expected soon.

There are many features and benefits in this version including:

- Same file format – ensures backward compatibility with previous versions
- Shadow cursor – a cursor that follows the mouse. You can insert text or graphics exactly where you want them
- Grammar-As-You-Go – this helps to make professional prose easy. Phrases in question are specially marked. A right-click brings up a menu of possible suggestions
- Versioning – an essential tool for controlling revisions and versions of team documents
- HTML forms support – the WordPerfect 8 Internet Publisher makes it easy to create HTML forms. You can gather information from Web pages with radio buttons, check boxes and drop-down lists
- Drawing Layer – this high-end feature rivals dedicated desktop publishing systems. You can use the Drawing Layer to draw graphic objects directly on top of text, group graphics, or do layering. You can also add colour, gradient fills or patterns
- SGML support – provides a graphical interface to create structured, open, cross-platform, non-proprietary document formats
- Table enhancements – you can dynamically size table rows, join and split cells with a single click, or fine-tune layout with the new table QuickFormat
- Property bars – these put the tools you need exactly where you need them. For example, table tools when working with tables, graphic tools when working with graphics
- Automatic Hyperlinks – automatically creates Internet links from text beginning with www, ftp, http, mailto and more. The text is intelligently converted to a link with a descriptive name – not just the Internet address or link you typed
- PerfectExpert – this blend of Corel QuickTask, projects, Help and Coaches gives you flexible help when completing projects even across applications.




## Installation

This was simply a matter of inserting the CD-ROM and clicking the Setup button. I chose Custom setup to select the Suite applications and options. Other installation types are Typical, Compact and Run from CD-ROM.

## Using WordPerfect 8

I liked WordPerfect's uncluttered interface. The Property Bar is context sensitive so that it changes according to the task. This bar and the toolbars give access to features usually found in dialog boxes. The Application Bar displays at the bottom of the screen names of open documents. A single click allows you to more easily work with multiple documents. Guidelines display formatting elements such as margins and table lines. Use Spell-, Grammar-, and Prompt-As-You-Go to flag possibly misspelled words, proofread your document and display synonyms for words. QuickCorrect replaces common spelling errors and mistyped words, or expands abbreviations. Along with PerfectExpert you have an ideal working environment.

To test out some of WordPerfect's features, and how clear the User's Guide explanations are, I chose Web Editor, something that I am not familiar with. The menus, dialog boxes, toolbar and Property Bar of the Web Editor contain formatting options that have HTML equivalents. Corel WordPerfect codes are converted to HTML tags when you publish the document to HTML format. Browsers then interpret HTML tags to display headings, paragraphs, lists and tables.

There is one reference to Web Editor in the index, and there are some five pages devoted to its use. But unfortunately it is not described anywhere how to open Web Editor (the first step in editing a web document merely says 'In the Web Editor, click Format, HTML Document Properties, Title'. Checking out PerfectExpert did not shed any light on the subject either – it failed to adequately interpret my question about Web Editor. There is a toolbar button for changing between Web and normal page, and selecting this gave me

something close to, but not exactly, what is detailed in the Guide, and I was unable to duplicate, during the time I spent on this feature, the steps detailed. I could only conclude that the Guide, like so many others, left a lot to be desired in clarity and completeness, at least for the application I chose.

Other tools like tables and creating master documents worked very well. These all had many aids to make their creation and editing quite straightforward. Other nice features are the huge number of cliparts and fonts included. These would satisfy even the most avid user.

WordPerfect is, of course, Web oriented. As you type a URL or an email address it will automatically convert to a hot link. Internet Publisher, included in WordPerfect, allows you to format simple documents in the HTML format and publish the document. You can also create Web pages and launch your Web browser.

WordPerfect comes with a host of document formatting tools and all are easily accessed with just a few clicks. Styles, columns, dropped caps, watermarks, dot leaders, custom page numbering were all included and adequately explained in the Guide. Particularly nice features were the Keep Text Together and the Make It Fit options in the File menu. Using these I had no trouble in rapidly adjusting a text document to fit into a set number of pages and to avoid page breaks in long tables.

### Summary

I found WordPerfect 8 to be a very powerful word processor, with all the bells and whistles, and then some, that we have come to expect from such products. Apart from the difficulty I had with the Web Editor, I had little trouble in working with other features and would be happy to adopt it as my wordprocessor.

Its numerous word-processing and desktop publishing features make it a strong competitor in the world of heavy-duty document preparation packages.

### Manual

The User's Guide that comes with the package covers all suite applications except Corel Central 8. As stated by Corel it is intended as a reference for basic tasks and this it does quite well. It also has a fairly good index. Other sources of help are the on-line user guide (accessed through the CD-ROM Reference Center), third party manuals and the Corel Web Site.

### Further Features in Corel Suite 8

Corel WordPerfect Suite 8 incorporates Intel's MMX support. In particular, this speeds drawing in WordPerfect 8. It also supports the new IntelliMouse features with controls for scrolling.

### Bonus Applications

Corel Photo House is a photo-editing and bitmap creation application designed to make it easy to scan photographs, touch them up, and add special effects or create bitmap images using the painting tools. As is only to be expected from Corel, you have a wide selection of tools including Sharpen, Remove Dust and Scratches and Remove Red Eye and effects such as Page Curl, Swirl, Psychedelic, Ripple and Texture.

Corel Barista lets you publish content-rich, attractive pages to the Web that can be read by virtually anyone with an up-to-date browser. This technology allows you to use any formatting, graphic Java 1.0 supported font or layout tool in WordPerfect and see them faithfully reproduced on the Web.

Supported HTML features include

- hyperlinks
- bookmarks
- graphics
- tables
- automatic page scrolling
- transitions between pages
- sound embedding
- notes

### COREL WordPerfect Suite 8

Minimum system requirements: 486/66 IBM-compatible PC; VGA monitor; 8MB RAM (16 MB required to run CorelCENTRAL8); 50MB hard disk space (120 MB typical install); CD-ROM recommended (only minimal installation available on 3.5" diskettes); Windows 95 or NT 4.0.

RRP: Around $450; CD only upgrade around $230.

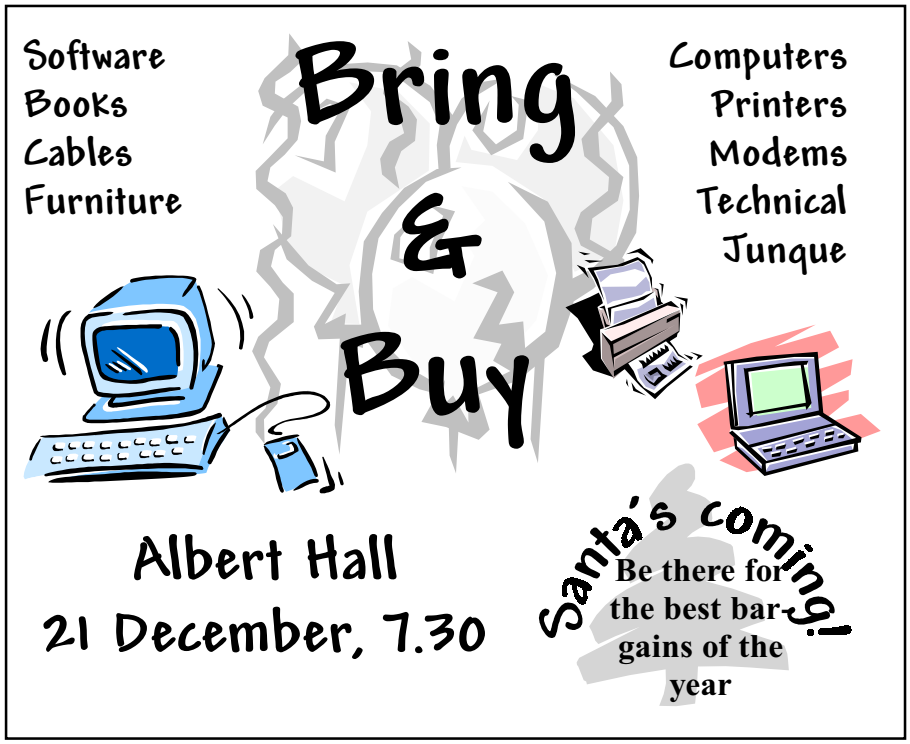
online services. I anticipate that this will enable the PCUG to more effectively contribute to the development of public policy at a Territory and Federal level.

The Forum served to remind me that PCUG members, with access through *The Internet Project* (TIP), are amongst the relatively small number of Australians who have access to the Internet and other online information services. We are in a privileged position. We are the *information rich*.

Furthermore, PCUG members gain access through TIP to online services at around a half to one-third the cost of access through commercial service providers. Members also receive other significant benefits including low cost training, free help and other support services, and a quality monthly journal.

My participation in the Forum was a valuable experience and I thank those PCUG members who created this opportunity for me.

I would welcome readers contacting me to discuss any matter covered in this article. I would also welcome expressions of interest from members interested in contributing to the ongoing work of the Policy, Planning and Public Relations Sub-Committee of which I am the Chair. I may be contacted by email: ijohnsto@pcug.org.au.




## The Internet Clinic

Internet Clinics are normally held at the PCUG Centre, Northpoint Plaza Belconnen the first Saturday of each month 9.30am to 1pm. There is no cost involved.

So if you (or another PCUG member you know of) are having problems you (or they) will be welcome to attend. It is suggested that you call the PCUG Centre on the day and check with the staffer that we are not overloaded before coming along.

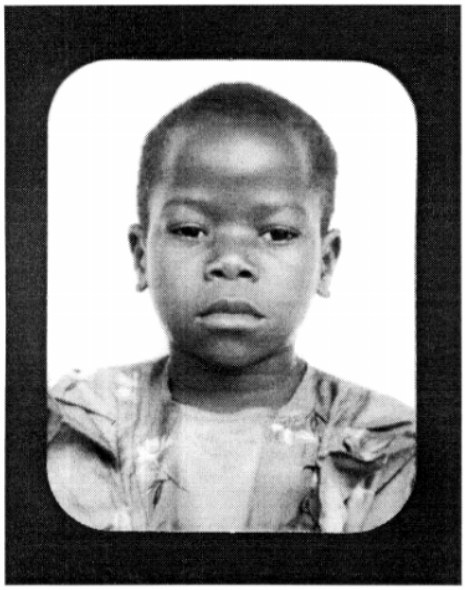
To get a problem on your PC resolved it is essential that you bring *all* of the following items with you:

- PC and Monitor, plus all interconnecting cables
- Mouse
- Keyboard
- Modem
- Modem power supply
- Modem cables - from PC to modem and from modem to telephone socket
- Modem and PC manuals & documentation
- All of your software disks - i.e Win3.1. or Windows95 disks/CD

If you don't have a PC to "fix" but you want to get some guidance on some particular aspect of using TIP, please feel free to come along and simply talk to us.

Clinics are not a free software/modem installation service. We do expect you to have made a reasonable attempt at getting the software installed & working.

David Schwabe *dschwabe@pcug.org.au*



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# Bits & Bytes

**KOROLYOV, RUSSIA—**

U.S. and Russian scientists are increasingly excited about the Mir space station project, which promises to reveal more than has ever been known about the scientific relationship between weightlessness and mortal terror.

'By stranding our scientists on a dilapidated space station with faulty wiring, loose hardware, and malfunctioning air systems,' NASA head Daniel Goldin said,'we have created extremely favourable conditions for learning about spaceborne panic.' The two Russians and one American on board the station are reportedly terrified beyond lucidity.

Among the groundbreaking experiments conducted on board Mir: a June 25 collision with a cargo craft that depressurised the Spektr module; last week's emergency power shortage, caused by a disconnected cable; and the periodic release of 'dry ice' steam that simulates a shipboard fire. All have been deemed a huge success by agency heads.

'They are in a constant state of what aerospace scientists term 'mind-shattering terror,' frightened for their very lives,' Russian mission director Vladimir Solovyov said. 'And we have not even used the hull-mounted Alien puppet that taps on the window yet.'

Taking a break from his busy schedule, astronaut Michael Foale told ABC News reporters: 'Where is my Mommy?'

'Please tell me the access code to the Soyuz capsule,' Russian cosmonaut Aleksandr Lazutkin said. 'I would like to return to the chaotic government and widespread hunger of my homeland.'

Scientists expect to gain even more useful data during an experiment at 3 a.m. tomorrow. As the astronauts sleep, whirling red siren lightswill flood the cabin while an ear-splitting klaxon alarm jolts them awake. Detailed scientific data will then be collected on such variables as open weeping and massive spontaneous hair loss.

## Network broken? Maybe there are too many holes

*Martin Stanley-Jones*

Network? Thinnet?, Thicknet? Twisted pair RG58U - Where is my paper tape?

While putting in place a RG58U coaxial cable for my inter office ethernet, I was asked by my assistant to describe my first computer and how interconnections where undertaken in the old days. Old Days! Now just a minute!

Following my 1967 graduation as an electronics engineer I moved into a research laboratory where I worked with a 400 Kilogram Honeywell mini computer - a model 416, no "B" register and 32Kb of leading edge technology 2 1/2 D core memory. Whew! the speed was a blazing 1microsecond for a memory read/write cycle. A teleprinter for input and a fan-fold paper tape mechanical reader/punch (10 characters/second) for program and operating system storage was the medium of choice.

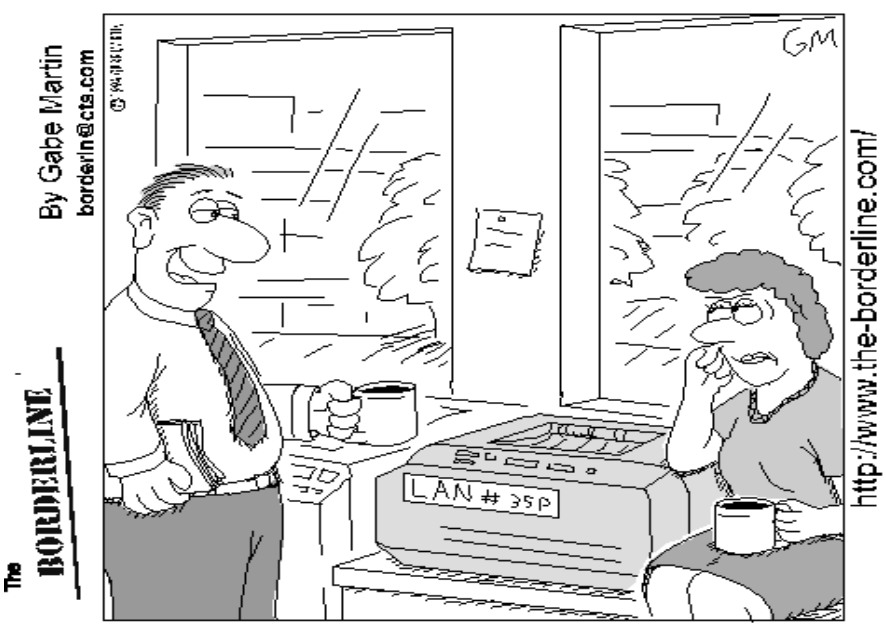
Srting the machine was quite an undertaking in time and in procedure. The first 64 16-bit instructions had to be loaded through the control panel switches each grouped in blocks of 3 to ease the octal representation of the number to be loaded and stored. Additional switches directed the keyed in number into memory or the "A" register. Of course to load a number into memory the memory address had to be entered through the same set of switches so the order and sequence of events was very precise. With all 64 numbers loaded it was possible to activate the paper tape reader and load the operating system. Whew, just in time for a coffee break. Compiling a program required punching out the source code, loading the compiler - Fortran - through the paper tape reader, loading the source code through the reader, waiting, loading the source code a second time, and sometimes maybe even loading the source code a third time. If all went well the program compiled just in time for lunch.

Technology changed rapidly and soon an optical punch tape reader was installed, A 5MB hard disk only 19" across and 5" high really reduced my compilation times as did the change to a HP2100 mini: it fitted into a 19" rack and the FFT (Fast Fourier Transform) processor was only 1/2 a rack deep! As for the 32Kb memory, 4Kb was reserved for I/O addressing while an additional 4Kb was used by the OS kernel.

Program memory limitations were over come by partioning programs so that a "core" segment - say 4Kb - always remained in memory while additional partitions - possibly as large as 20Kb - where loaded from disk as each was needed. What an advancement!

But now the real challenge, my colleague purchased a DEC mini.Transfer programs, Network, compatibility! What nonsense! Never! The next day our first network was installed albeit a one way link it still worked. While the first machine punched out the code, I ran - 10 characters/sec, 10 characters/inch - out the office, down the hall - clear the dust! into the next office, loaded the end of the paper tape into the reader, and started the second machine. Oops, the reader read at 200 characters/second so a little traffic control was needed, but by day's end we had transferred our programs and even swept the floor.

☺




"Don't worry, Judy-- some day your prints will come."

*Contributed by Anne Greiner*

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Telephone 239 1043

## A Puzzle

Solve this number sequence:

**1 11 21 1211 111221**

What's the next number?

**Solution:**
**312211**

The sequence can be seen as each entry describing the previous one using run length encoding.
That is, you have 1
then this is described as one one = 11
then this is described as two ones =21
then this is described as one two and one one = 1211 ...
Finally you have three ones, two twos and one one.

Congratulations to George Beaton and Maurice McQueen.

*Source: www.ocf.berkeley.edu/~stoll/reference.html*

# *Ten Years ago in Sixteen Bits ...*

*Compiled by Andrew Clayton from the November 1987* Sixteen Bits

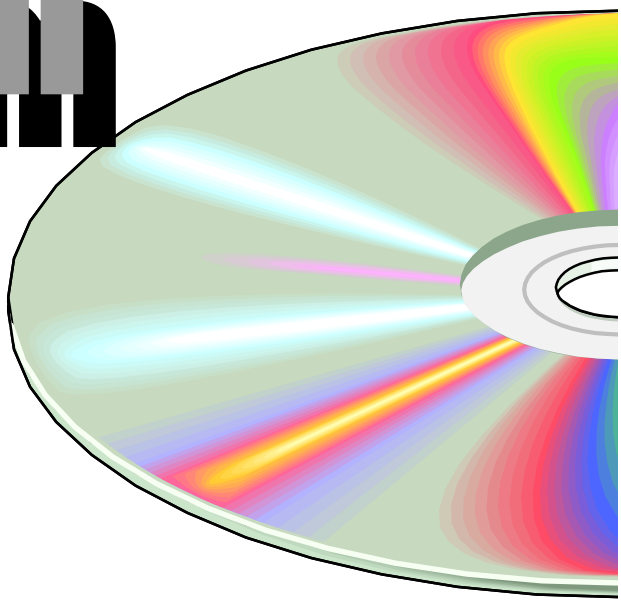
The president of the group (Jim Gillespie) suggested that the demand for advertising space meant that the group was going to change the format of the newsletter before the start of Volume 5 (1988). The format of the magazine back then was a black and white 30-50 page A5 document.

Col Harvey wrote an article on decoding RTTY broadcasts, which boil down to fine tuning a modem receiver and input volume control (from an amateur radio), and setting the computer communications program to 45.5baud ! (Imagine doing 45.5 baud these days, when 57,600bps modems are available).

Karl Auer reported on the inaugural meeting of the C Programming SIG, (held on 28th October 1987), with a list of projects the group could 'attack'.

Microworld was advertising Seagate 32MB RLL Hard Disks for $635, featuring a 'fast' 65ms stepping rate to the 'slow' 85ms miniscribe drives. A 20MB version was available for a mere $575. And in 1997 speak, with the same cost per megabyte (almost $20 a meg!) a 2.1Gbyte hard disk would have cost $42,000! And to show how silly such comparisons are, using 1997 cost per megabyte prices, a 32MB hard drive would cost less than $5.00.

# CD ROM



*By Nick Thomson*

Welcome to the November 1997 issue. This month I have included reviews of three of the 20 or so products that I have reviewed for InfoRom during the last month. To see the other reviews check **www.inforom.com.au**. It features reviews of educational, home reference and edutainment CD-ROM software.

The reviews are of *3D Atlas 98, Liftoff to Lizard Island* and *Ages of Evolution in Art & Music*. Copyright for the reviews rests with InfoRom.

## 3D Atlas 98

*3D Atlas 98* is the latest version of the popular multimedia atlas from Creative Wonders. As well as detailed maps of all countries and regions of the world, there is information on the geography, history and culture of every country in the world; narrated videos on environmental topics such as global warming and oil pollution; a wide array of statistics from the World Resources Institute; detailed street maps of over 200 of the world's cities; and a collection of 'virtual 3D fly-throughs' of various physical regions. It is also possible to access updated information on most topics via a site on the Internet.

The main feature of the program is the listing of over 250 countries. When you select the country you are interested in, its location is shown on a physical globe of the world. Diagram 1 shows how the screen might look.

One can zoom in for a closer look, and obtain the following information:

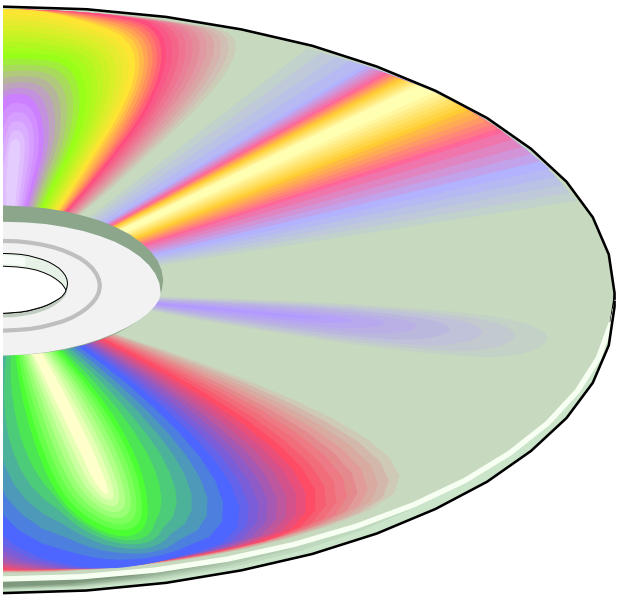
- a picture of the flag
- factual data such as main cities, currency, languages and religions
- statistics such as population, total GDP, birth rate and infant mortality (current as of 1993)
- one page summaries of information on Introduction & History, Geography & Tourism, Culture & Arts, Economy
- detailed maps of major cities (for some countries)
- a few full colour photographs.

Thus one can obtain a fairly good overview of the country, complete with photographs and statistical data. Text or photos can be printed, and this feature represents a very useful resource for upper primary and secondary students.

However, as well as the country data, this program has a great many other features, including:

- Environmental, Physical and Political Globes – each of these can be rotated and has 9 levels of zoomable detail, providing views of the world by environmental regions, physical features and country
- Geological Forces – multimedia introductions to geological topics such as the earth's crust and Mount Pinatubo (the volcano in the Philippines that erupted recently)
- Physical Features – narrated 'fly-throughs' and video clips of physical features such as lake plains, rivers and the oceans

*Diagram 1*



- Climatic Conditions – global maps of features such as wind patterns and ocean currents and video introductions to problems such as the hole in the ozone layer and the rising sea levels
- Human Impact – video introductions to issues such as extinction and population, a fascinating global view of the earth by night, and satellite views of the rapidly disappearing Aral Sea
- Zoom Cities – satellite views (3 levels of zoom) of Bombay, London, Moscow, New York, San Francisco and Tokyo
- Statistics – a wide array of statistics from the World Resources Institute presented as charts, graphs and tables. Their currency ranges from the late 1980s to 1993, and one can obtain statistical data under the broad headings of Agricultural, Economic, Energy, Environmental, Global, People, Physical and Transport for any country in the world. Within each of these headings there are numerous sub-categories
- Around the World – a multi-player trivia game that tests your knowledge of program content.

Overall, it is a very well presented and detailed introduction to the geography of Planet Earth. For more up-to-date information, one can jump from within the program to a range of related sites on the World Wide Web, or directly to the 3D Atlas home page at http://www.3datlas.com.

There is detailed online help, as well as a 28-page user guide that provides a good outline of all program features, and that includes an introductory tour of the program.

**Australian Distributor:** Electronic Arts (Tel: 02 9955 7744) (www.ea.com)
**Format:** One Hybrid Compact Disk (Windows 3.1/95 and Macintosh)
**Internet:** www.creativewonders.com

## Liftoff to Lizard Island

*Liftoff to Lizard Island* is a cleverly conceived game for 5–8 year old children that is designed to teach 'junior Websters' some of the basic skills of using the Internet. It is a follow up to *Mission to Planet X*, a program designed for ages 9–adult.

Izzy is a cute lizard who lives, appropriately enough, on Lizard Island, a remote island in the middle of a vast ocean. She is lost, and needs a plane to get back home. The parts of the plane are scattered all over the world, and so the players have to travel to various parts of the world to find the missing parts, then put them all together to make a working plane. In so doing, they learn some of the basic skills involved in using the Internet.

Across the top of the screen there is a dummy browser menu bar, and at various times users will need to click on this in order to activate a particular command. To obtain the plane part the player first uses the map to get to one of the world's continents, then explores the location

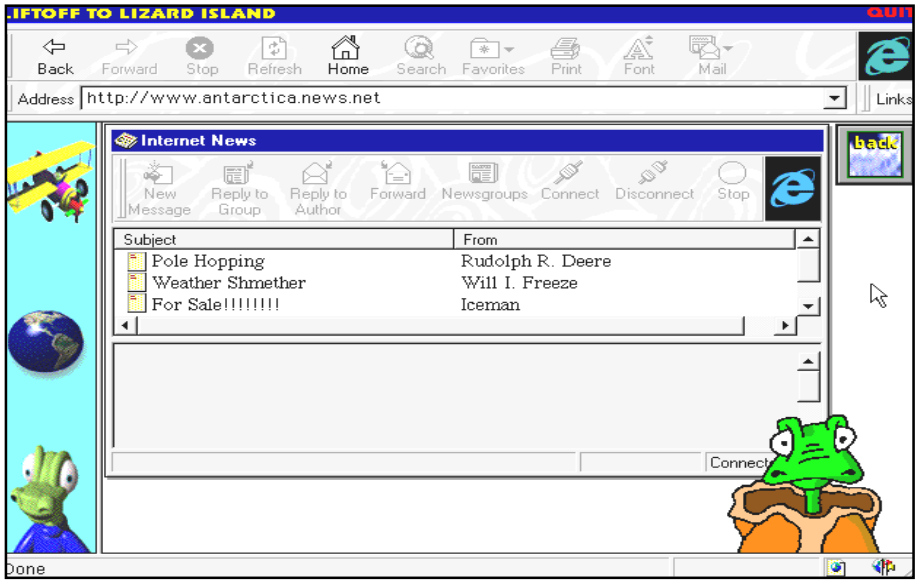



*Diagram 2*

*continued next page...*

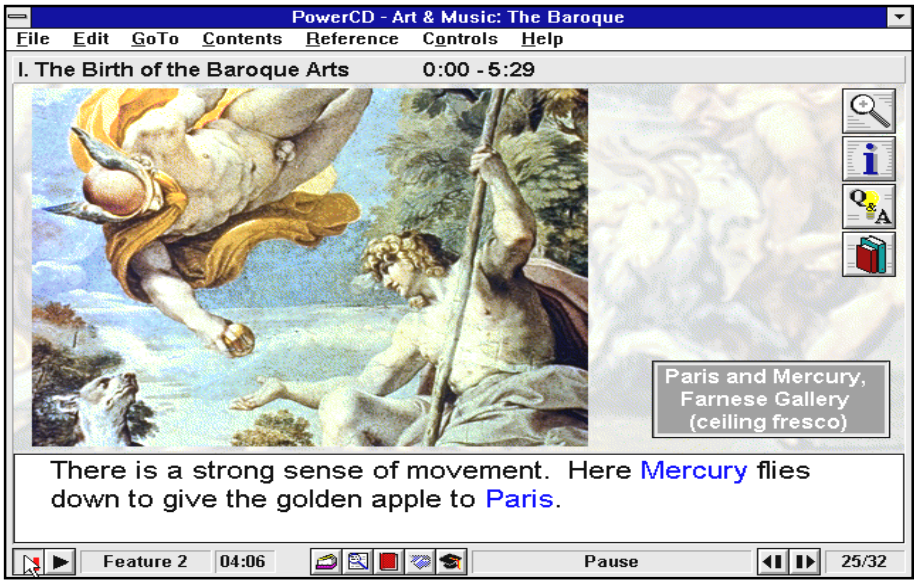



*Diagram 3*

(four pages) looking for objects or clues. If you click on the animals they will make noises or give you a clue. At some point you will need to use some sort of Internet process, and occasionally you will have other problems to solve, such as assembling various lengths of vine to create four 10-ft vines for the parachute.

To illustrate by example, at Antarctica you have to use Internet News. While the polar bear is fishing he pulls up a Mail card, at which point 'Mail' is highlighted on the menu at the top. You click on this, then following Izzy's instructions, you click 'Read News'. A dialog box of Internet News appears – with three messages in it. You read each one – and lo and behold, the third message has the missing plane part! Click on the part to grab it, then it's back to the 'plane page' to build the plane. Diagram 2 shows how the screen might look.

The Internet skills introduced are as follows:

- North America – web page design
- South America – chat
- Europe – mail
- Africa – search
- Asia – multimedia
- Australia – download
- Antarctica – news.

The screens are colourful and entertaining, the humour is suitably zany, and the game is easy to play. However, users do need to be able to read. In most cases it is the Internet 'concept' rather than the actual skill that is taught. So, in Africa, when you choose Search from the menu bar you get a much-simplified version of the normal search engine menu in which you enter what you are looking for. Children of this age would still need some help in carrying out the actual process on the Internet, but what this program does very well is give them a feel for what sorts of things they can actually do on the Internet – and thereby encourage them to use it more creatively.

There is no online help as such, but if you are unsure what to do at any time you can click on Izzy, who will tell you what to do next. There is also a three-page user guide that provides an outline of program features and the skills taught.

**Australian Distributor:**
Internetso (Tel: 08 9388 2615)
(email: seek@internetso.com.au)
**Format:** One Compact Disk (Windows 3.1/ Windows 95/Windows NT)
**Internet:** www.apte.com

## Ages of Evolution in Art & Music

*Ages of Evolution in Art & Music* is one of the Zane Home Library collections – a four CD-ROM set that provides a multimedia introduction to the art and music of four historical eras in Western civilisation. Each disk contains selections of music, hundreds of full colour photos and a narrated, multimedia presentation of that period that ranges from 35 minutes to 50 minutes in length. The four periods covered are:

- The Medieval Era
- The Renaissance
- The Baroque
- The Eighteenth Century.

The highlight of each disk is the multimedia presentation, which provides a very useful introduction to the art and music of that period for upper primary and secondary students (as well as adults with more than a passing interest in classical art and music). Across the bottom of the screen there is text, which is in a large, easy-to-read font and which is narrated. As the text is read there are full colour photographs of paintings, sculpture, architecture and portraits of the period, while in the background there is appropriate music. Artists, paintings and music are examined and commented upon in an evocative and descriptive manner, eg *Rubens' free use of paint, like his choice of subjects, is an expression of his hearty, full-blooded attitude toward life.*

It is hard not to get caught up in the enthusiasm of the narrators, and all in all we found these presentations to be an engrossing and very educational experience. The quality of both sound and graphics is good, and they do a very good job of 'bringing alive' these significant periods in the development of art and music. Diagram 3 is an example of a screen from the multimedia presentation.

To illustrate by example, the multimedia presentation on the Baroque disk contains, among other things, paintings by and background information about the lives and works of artists such as Caravaggio, Rubens and Rembrandt; commentary on and photographs of the work of sculptors such as Bernini; information about and extracts of music by composers such as Monteverdi, Corelli, Bach, Handel and Purcell; extracts from operas such as Orfeus and oratorios such as The Messiah; and numerous

photographs of places and buildings of the time.

The presentations can be paused at any time, and users can then jump to one of the other program features. These include (on each disk):

- Webster's New World Dictionary
- American Concise Encyclopedia – over 15,000 entries on a wide range of topics, including art and music
- View Listing – an alphabetical listing of all the photographs on disk (when you select one it is displayed full screen)
- Questions – a selection of 100 multiple choice questions on the contents of the disk
- Quizzes – six multiple choice quizzes, which include a quiz on the content of the current disk, a quiz on Art and Artists in general, and a quiz on Music and Musicians in general
- Indexes of content
- Glossary of terms, people and places.

It is possible to print or copy text or images. For those who wish to know more about other Zane home libraries and publications, there is also a catalogue on disk.

There is no online help and no user guide, but each disk contains a well presented five-minute multimedia introduction to the various features available on each 'PowerCD'. One bonus (for those whose hard disks are getting full) is that the disks do not require any hard disk space – all of the features are run from the CD itself.

**Australian Distributor:**
Hilad Corporation (Tel: 02 9700 9377)
(email: hilad@mpx.com.au)
**Format:** One Hybrid Compact Disk (Windows 3.1/Windows 95 and Macintosh)
**Internet:** www.inzane.com.

Nick Thomson is the manager of InfoRom, a service on the Internet that reviews educational, home reference and edutainment CD-ROM software. It can be found at ***www.inforom.com.au***.

**Nhan Tran's Now Official TIP Web Help Pages**

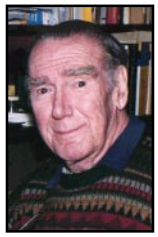
***http://www.tip.net.au/tip/help***

- What's new
  History of changes to TIP help page
- TIP Contact Details
  Phone numbers, domain, proxies, email addresses
- Useful TIP information
  Time allocation, usage statistics
- TIP documents
  Agreement, Charging Scheme, Acceptable Use Policy, Access Application
- InternetFAQ
  Answers to the Frequently Asked Questions about the Internet: what is the Internet, what you can do, netiquette
- TIP help FAQ
- Answers to the Frequently Asked Questions about various problems other people may have had with The Internet Project; your problem may not be a new one
- 'How-to' documents
  How to set up and use various programs needed to make the most of your Internet account.
- Glossary
  Translating acronyms, computer jargon, 'netese and emoticons like ;-) in plain English.

**TIP Technical Information**

| | |
|---|---|
| **Domain** (PCUG) | pcug.org.au |
| **Domain** (AUUG) | auug.org.au |
| DNS server | 203.10.76.34 |
| Mail server | mailhost.**Domain** |
| News Server | newshost.**Domain** |
| ftp server | ftp.**Domain** |
| WWW server | www.**Domain** |
| Proxies | proxy.tip.net.au port 8080 |

# Software library



*Phil Trudinger*

## NEW AND UPDATED WINDOWS PROGRAMS

(An asterisk denotes Windows 95 specificity or compatibility)

### Fonts

#### ARTDEC21

ESF's Art Deco Fonts 2.1 contains ten art deco-style scalable fonts for Windows or WordPerfect 6.0/DOS. This includes Broad Ave, Dalith, Halfnium, Haman Bold, Narcosis, Neaten, Orange, Ramose, Totem, and Zyme. An easy-to-use installation program is provided. Reg Fee $25

#### FONTCH21

RS-FontChart 2.1 provides a zoomable character map which displays installed and non-installed fonts in Win95/NT. Reg Fee $10

#### SCRIPT13

ESF's Script Fonts 1.3 is a collection of kerned TrueType script-style scalable fonts for Windows. This includes Aristocrat, Brush, ESF Elite, Grandam, Hotpress, Jessica, Old English, Saffron, Tech Bold, and Zap Chance. Reg Fee $25

### Games

#### 4TRIS10

4Tris (AP) 1.0 is a colourful falling-block game for Windows. The scenario is familiar: try to stack up blocks with seven different shapes into a horizontal line, which is then removed. Features include support for one- or two-player games, a MIDI soundtrack, and four different block designs. Reg Fee $15

#### CHAINLNK

Chainlink 1.2 is an interesting solitaire card game for Windows where you move all cards to the top piles by building chains of cards of the same suit. Features include mouse/keyboard operation, a large card design option, sound effects, a hint button, and more. Reg Fee $15

#### DEBRIS

Debris 2.0 is a fantastic shoot-em-up arcade game where you use your spaceship to clear each level of asteroids. As you blast away, special power-ups give you more powerful weapons. The beautifully rendered 3-D graphics and MIDI soundtrack are very well done. Reg Fee $24

#### DDROP10

Desk Drop 1.0 is a fast-paced arcade game where the objective is to match up three similar tiles by moving and rotating them vertically as they drop from the top of the game board. The tiles consist of common office items: typewriters, pencils, filing cabinets, etc. The top ten scores are recorded. Reg Fee $18

#### KENO95*

Keno95Pro is a keno game for Win95. Features include the ability to play up to 15 numbers in three separate games, switchable sound effects, variable play speed, and more. Reg Fee $10

#### MORIARTY

Sherlock II: Dinner with Moriarty 1.0 is a logic puzzle game for Windows where you assume the role of Sherlock Holmes. The evil Professor Moriarty is seated at the dinner table with five other guests, one of whom is being poisoned. Based upon clues given during the game, you must locate the poison and Moriarty. Reg Fee $21

#### RITWS100

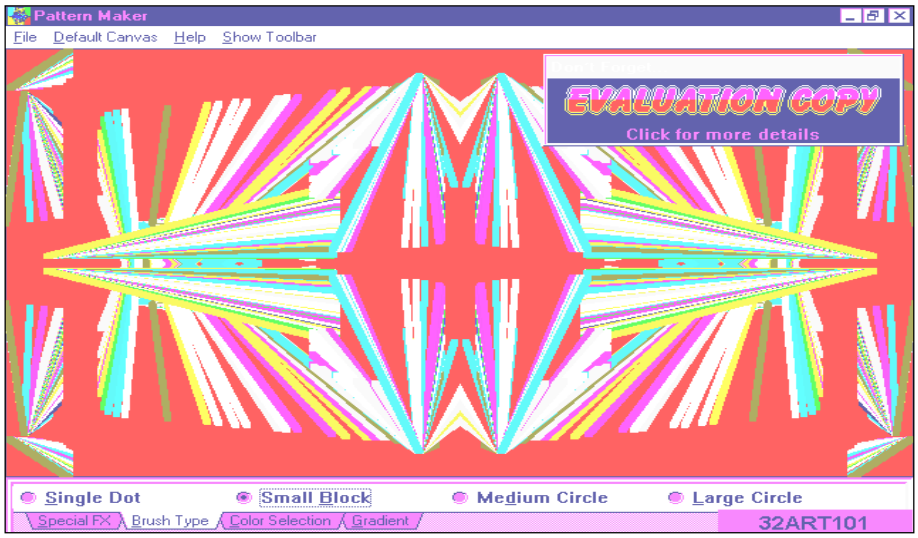
Racing in the Wind 1.00 is a sailing simulation/arcade game for Windows that combines elements of strategy and education. In arcade mode, you maximise your score by playing as many levels as possible. In racing mode, the aim is to match the shortest possible time. There are three levels of difficulty, adding booms, jibs and spinnaker, and more challenging wind conditions. Reg Fee $20

The files described in this article are on the October 1997 CD-ROM (PsL Vol 5, #10) which is currently on the Bulletin Board: all are ZIP files. Please quote the month or Vol/# when ordering files on disk.

The text files, CD1 to 7 inclusive, in Area 1 of the Bulletin Board, are the monthly CD-ROM file lists.

Reminder:

Most CD-ROM programs are shareware. A reasonable time (generally one month) is allowed for evaluation, but if you continue to use a program beyond this time you should comply with the author's conditions that usually require payment of a registration fee. Bear in mind that this is the only way by which an author receives any reward for his/her efforts. Unless otherwise stated, registration fees are in US dollars.



### XLMCRGRA*

Crazy Gravity (32-bit) 2.0E is an excellent arcade game for Win95 where you fly a spaceship through a system of alien caverns. You will encounter many obstacles along the way, including fans which blow your ship against rocks, magnets that attract you, rods that move into your way, and cannons that bombard you with fireballs. Features include beautiful 256-colour graphics, smooth-scrolling animation, fun sound effects, and MIDI music support. Reg Fee $30

## Graphics

### 32ART101*

Arty (32-bit) 1.01 provides several modules for producing multi-coloured patterns and zany sound effects. Dutch language support is provided. Reg Fee $15

### ALL_ICL*

Desktop Wizard is a large collection of 256-colour icons for Win95/NT. They are grouped by subject (Batman, Baseball, Beatles, etc.), and are in ICL format. An icon colour level editor is included. Reg Fee $0

### AXICON40*

AX-Icons 4.0 is an icon editor and library manager. Features include rectangle/line/circle drawing tools, the ability to create dithered shades, drag and drop support, clipboard support, and more. Requires Win95/NT. Reg Fee $20

### DTCAD24

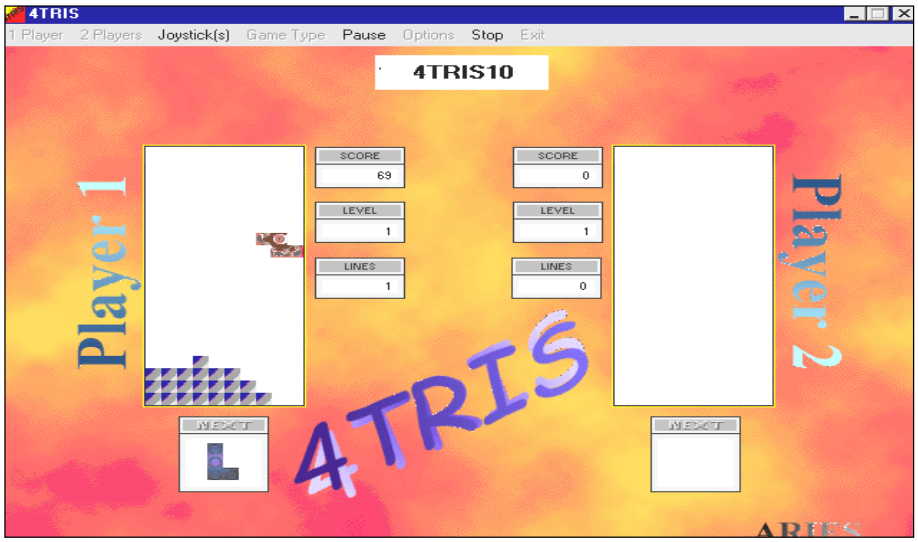
DeltaCad 2.4 is a computer aided design program for Windows. Features include an easy-to-use tabbed dialogue interface, context-sensitive help, sample drawings and libraries, support for up to 256 layers per drawing, and much more. This is suitable for everything from drafting and house plans, to business cards and signs. This is a 32-bit application, but Win32s is included for use on 16-bit systems. Reg Fee $50

### ICNCT520

Icons Control 5.20 displays up to 100 icons at a time for quick viewing, printing, copying, renaming, moving, or deleting. A powerful icon editor is also provided. Reg Fee $25

### IV16134

ImgViewer/16 1.34 is an easy to use Windows viewer for GIF and JPG graphics. It features a quick zoom and simple editing. Requires VBRUN300. This version has a 60-day usage limit. Reg Fee $25




### KVEC_WIN*

KVEC (Windows) allows you to convert raster graphics to vector graphics. Requires Win95/NT. Reg Fee $25-50

### LPP32*

Le Paint Petite (32-bit) is a 256-colour paint program for children. It occupies the full screen to help prevent the child from going to other applications. Features include unique graphic special effects, rubber stamps, various screen erasers, fun sound effects, the ability to load/save/print images, and more. This is an excellent program, with many creative options to keep the little ones busy for hours. Requires Win95/NT. Reg Fee $25

### PHOTO151

Photo Icons 1.51 allows you to create/edit Windows icons at any colour depths (16, 256, 64K, and 24-bit colour). Features include the ability to convert over 40 different image formats to ICO, a screen capture utility, and the ability to scan in images from TWAIN devices to make icons. Reg Fee $29

### TVIEW15

TruView 1.5 is an image viewer for Win95. It allows you to easily view, preview, delete or copy BMP, GIF, JPG, PCX and TGA images using a file-open type dialog box interface. Reg Fee $25

### WWPLS268

WWPlus 2.68 provides powerful tools to change, edit, and convert Windows wallpaper. Features include a screen saver module to turn wallpaper into a screen saver, 3-D icon toolbar, and more. Reg Fee $25

## Miscellaneous

### 2DAY60*

Visual Day Planner 6.0 is a customisable calendar program for Win95 that provides scheduling, events, memos and appointments. Other features include WYSIWYG printing capabilities, MIDI and WAV
alarm support, drag and drop support, and much more. Reg Fee $30

### AZIMUTH*

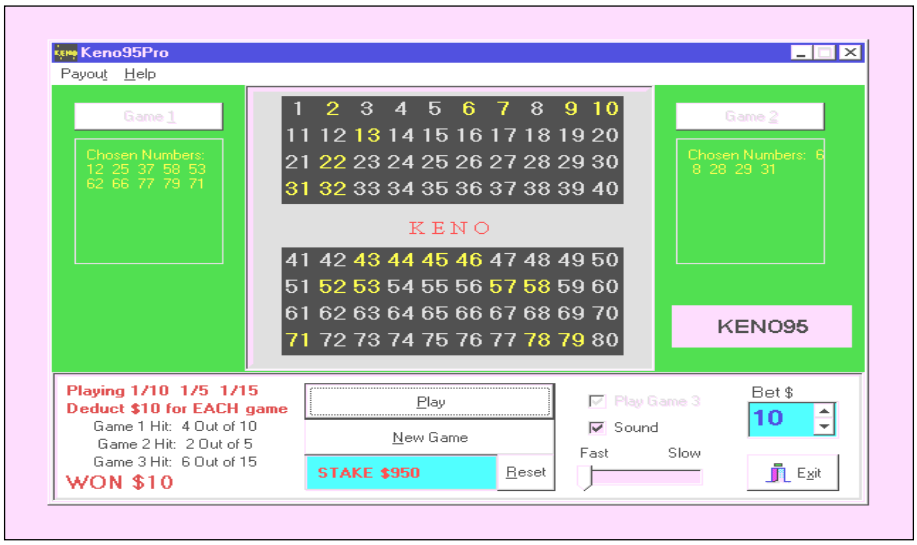
Azimuth 1.0 displays or prints an azimuth map of the world centred on a given location. The resulting map is useful to determine antenna azimuth headings for radio communications. A world map may also be drawn with a Mercator projection. Requires Win95/NT. Reg Fee $?

### EDPSL60 (Win31)
### EDPSL97 (Win95)*

Executive Desk 6.0 is a comprehensive time management and organisational utility for Windows. It incorporates an Address Book, To-Do Lists, Follow-Up Lists, and Phone List into a unique 'Day View' for easily organising your workload. Other features include the ability to run a DOS or Windows application with one mouse click, autodialer, multiple time zone clock, unit converter, high quality print-outs, and more. Reg Fee $25

### FAMTREE

Famtree 2.0 allows you to store family tree data and supplementary notes, including addresses. It can produce attractive family trees and ancestry charts, listing the subject's




parents, grandparents, great- grandparents, etc. You may also print out a reference page, address list, and more. Reg Fee $20

### FAX_V522 (Win31)
### FAX_N522 (Win 95)*

FaxMail Network for Windows 5.22 adds faxing capabilities to Windows applications. Features include an auto-print on receive option, background operation, custom cover pages, a fast fax viewer, timed sends, logging of all past and future fax events, and much more. Reg Fee $59

### MEMLB15

Membership Librarian 97 1.5 is a powerful club/association package program that lets you keep track of names, address, phone numbers, email addresses and more. It can also print reports, mailing labels and form letters. Other features include the ability to track dues and fees, a backup/restore module, and dBase and ASCII import/export capabilities. Reg Fee $74

### NLREG040*

NLReg (32-bit) 4.0 is a powerful regression analysis program for Win95/NT. It can perform multivariate, linear, polynomial, exponential, logistic, and general nonlinear regression. It can also plot data and equations. Reg Fee $65

### PAGECOM3*

PageComposer 3.0 is an Urdu/Persian/Arabic language desktop publishing package for Win95/NT. Reg Fee $10

### SI97EE_1 + SI97EE_2*

Software Inventory 97 - Enterprise Edition is a complete software record keeping package for large corporate businesses. Features include year 2000 compliancy, 35 report options, the ability to work with multiple windows, and much more. Requires Win95/NT. Reg Fee $200 (SI97PE_1 + SI97PE_2* - Professional Edition Reg Fee $100; SI97SE_2 + SI97SE_2* - Standard Edition Reg Fee $40)

### TRSETUPz

Total Recall (32-bit) 2.0 is a combination address book and appointment calendar that helps you track information about your friends, family members and business associates. This is suitable for both home and business use, and can remind you of birthdays/anniversaries, appointments, social occasions and more. Reg Fee $24

### VENTANAS

Ventanas: Spanish For Windows 2.0 is a combination Spanish language tutor and 50,000-word dictionary with a simple-to-use one-window interface. As a tutor, it drills you on vocabulary and conjugations. As an English-Spanish dictionary, it provides instant look-up and scrolling on English, Spanish, or category of words. Categories allow you to quickly create word groups for effective study which can easily be customised to any text books or course of study. Also displayed are synonyms, gender, parts of speech, conjugations of all verbs, and phrases. Words, categories, and phrases can easily be added or deleted. Word lists can be imported and exported. Reg Fee $30

### VISBGT_1*

WizShop VISUAL Budget MASTER 3.0 is a powerful personal budget package for Win95 that assists with bill paying. Features include support for unlimited incomes, unlimited expenses, hold/paid/unpaid tags, and much more. Reg Fee $35

## INTERNET

### AGCW100A*

Agile ColorWeb 1.00a helps you pick colours for your web pages. It offers standard browser palettes so you can be sure your pages will display correctly when viewed on a range of computers including PC/Windows and Macintosh. It reads and writes values via the clipboard and so integrates easily with HTML editors. Requires Win95/NT. Reg Fee $10

### AGHE_1B9

Agile HTML Editor 1.00 is a web authoring package that provides integrated HTML support combined with a well thought-out and implemented user interface. Features include multi-colour syntax colouring as you type, preview, and much more. Reg Fee $75

### AURAGEN

Auragen Architech 2.12 simplifies the creation of catalogue-based web sites using form-based data entry and templates. It can generate any web site with a large amount of similarly formatted content, and you can depart from a site's standard format with more discrete content at any level within Architect's hierarchy. Reg Fee $99

### BS32*

Banner-Show 2.1 lets you create a slideshow-like presentation of images and text on a web page. Each item can have a unique URL so that the banner becomes a hyperlink to that URL. It incorporates Java and JavaScript options so this should work equally well in Internet Explorer as in NetScape. Requires Win95. Reg Fee $?

### CSP32*

CGI*StarPro 2.1 allows web writers to effortlessly create CGIs to process HTML forms. It will create a Perl script that will process the input from your HTML forms and forward that input in an email to a specified email address. Even if you are an experienced Perl programmer CGI*Star can save you hours of work by rapidly creating the basis of your CGI script and leaving you to add any extra functionality you require. Requires Win95/NT. Reg Fee $?

### FLEX32*

FlexSite 32 2.5 allows you to easily create web pages in Win95/NT. Features include split screen viewing, FTP client, EWS, colour syntax, spell checker, WYSIWYG table Wize Guy, project control, frame ready, customisable menu/button bar, instant image access, and more. Reg Fee $50-$99

### LL32*
Link-Launch 2.2 lets you create drop down menu list of URLs in your web pages. Unlike normal hypertext links on pages, such drop down lists conserve space and look visually appealing. Requires Win95. Reg Fee $0

### PICWHC10*
picWhacker 1.0 finds web page links that point to images and downloads them to into a directory of your choosing. This precludes the need to click each link and then save the image from within your browser. Once the images have been downloaded, you can view them locally using any image viewer. This version allows 10 unregistered uses. Requires Win95/NT. Reg Fee $20

### TECHBKM
Technical Info Bookmarks contains more than 5000 Internet bookmarks for the subject of Computers and Technical Reference. Reg Fee $30

### VSWEB40
ViruSafe WEB 4.0 is an advanced anti-virus scanner for the Internet environment. It scans every file downloaded by Web browsers like NetScape, Mosaic and others. It can also protect against virus infections from files attached to your mail messages or files you download via FTP. Reg Fee $0

## Music

### SCOR16V2 (Win31)
### SCOR32V2 (Win95)*
Scorea 2.0 is a music score sheet printing program. It can print music score paper in either full score or short score format on A4 size paper. Reg Fee $30

### FNCELO11
First Notes for Cello 1.1 provides an interactive environment for cello students to learn to read the staff and identify the note names and finger numbers for first position. It may be used by children or adults, but is particularly well suited to younger students, especially those students using the Suzuki method. The program allows you to learn to read music while having fun creating melodies and playing along with the computer. Requires Win95 and a sound card. Reg Fee $27. See also FNVLN10 - First Notes for Violin 1.0.

## Security

### SAFESCAN*
SafetyScan 2.1 regularly scans your hard drive for various error-producing files and then optionally cleans them from your system. Requires Win95. Reg Fee $30

### SCRMPLUS*
Scramble Plus 1.6 is a simple but powerful data encryption package for Windows. Features include Win95 long filename support, the ability to scramble individual files or whole folders, and secure password protection. Reg Fee $15

### SNPRO61*
Safety Net (32-bit) 6.1 quickly and easily backs up important Win95/NT INI, GRP, and INF files, as well as your AUTOEXEC.BAT and CONFIG.SYS files. It can also be configured to back up other types of files. Requires VB40032.DLL. Reg Fee $15

### TBWNT802
ThunderBYTE Anti-Virus for Windows NT 8.02 is a Windows NT front-end interface for use with the ThunderBYTE Anti-Virus Utilities version 6.05 or above. Reg Fee $125

### V95310E1 + V95310E2 + V95310E3 + V95310E4*
VirusScan for Win95 3.1.10 is a native Win95 application that detects and removes computer viruses. Reg Fee $65

## Utilities

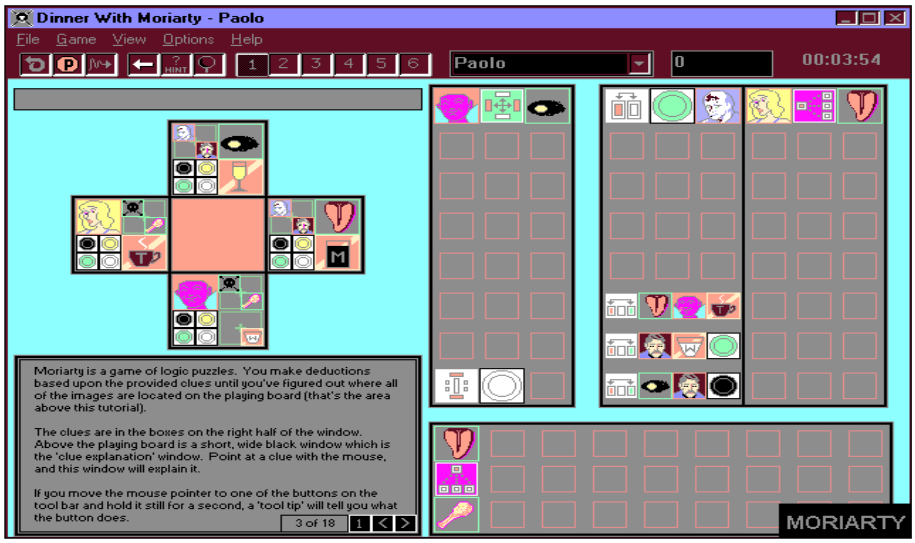
### AHANDY17 (Win31)
### 32HAND17 )Win95)*
Handy 1.17 is a collection of over 30 utilities and games for Windows including a typing tutor, unit conversion, cheque book balancer, font utilities, a 7000 year calendar, world clock, and much more. Reg Fee $15

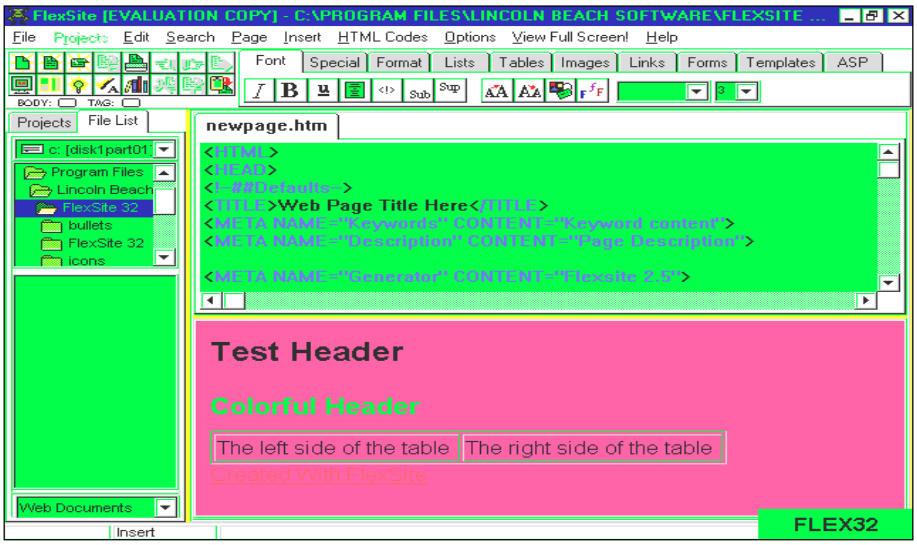
### APD130 (Win31)
### APD330 (Win95)*
Print Screen Deluxe 3.0 is a powerful and easy to use screen capture utility that allows you to capture your screen in many ways. You can capture the full screen, current window, a roped area, a window's client area, and much more. You may also crop the image, apply visual effects to it, configure your hot key, set a time delayed capture, capture DOS full screens, and even zoom in on your image. Reg Fee $30

### ASC12*
Associate 1.2 allows you to easily set up file associations in Win95. Requires VB40032.DLL. Reg Fee $12

### CLOCK102*
The Ten-Second Clock 1.02 displays the day of the week, date, and time on your desktop. You can adjust the colours of the display and the size and type of font used. Requires Win95/NT. Reg Fee $0

### CP30DEMO*
Capture Professional (32-bit) 3.02 is a versatile screen capture tool for Win95 that features nine capture modes (window, active






window, client area, etc.) and the ability to capture menus and cursors. Nine graphic file formats are supported in 2, 16, and 16.7M colours. Other features include over 20 touch-up effects, format conversion, and more. This version prints a registration banner across captured images. Reg Fee $45

### CYRSTART

Cyrillic Starter Kit 3.5 provides everything you need to begin using Cyrillic in your Windows applications. Keyboard layouts are provided for Belarusian, Bulgarian, Macedonian, Russian, Serbian, Ukrainian, and English. You can switch layouts with a keypress and customise them using a visual drag and drop procedure. A map of your current keyboard layout is available on screen, and you can resize it and keep it on top of other windows. Reg Fee $29

### DLSPRC*

DLSuperC (32-bit) 1.2 is a set of utilities for Windows, including a versatile text compare application, a powerful directory tree utility, and a text printing program. Requires Win95/NT. Reg Fee $30

### FN16V201 (Win31) FN32V201 (Win95)*

File Navigator For Windows 2.01 is a file management package that provides easy handling of Fidonet QWK/REP mail packets, archive files (ZIP, ARJ, LHA, and EXE), TXT files, as well as GIF and JPG graphics files. In addition, it provides for up to 9 user-defined file extensions. Reg Fee $20

### MMAGIC

Mouse Magic 3.0 lets you use a mouse with programs which do not already support a mouse. Reg Fee $28

### PB150*

PowerBar 1.50 allows fast and easy one click access to your applications and programs groups. Other features include instant drive access, support for virtual desktops, shutdown/reboot options, drag and drop support, an analogue clock, a free disk space display, and much more. Requires Win95/NT. Reg Fee $20

### PPS1_000*

Photo Paper Saver 1.0.0.0 helps you print several pictures onto a single sheet of photo-quality paper in Win95. Reg Fee $?

### SNPSHT12*

SnapShot (RP) 1.2 allows you to monitor any changes to the WINDOWS and WINDOWS\SYSTEM directories. Requires VB40032.DLL. Reg Fee $10

### WH95V2*

WinHacker 95 2.0 provides an easy way to configure the hidden settings that change the way Win95 works and feels. Features include the ability to rename or change the icons of any shell folder (My Computer, Recycle Bin, etc.), the ability to move your desktop directory, the ability to add/remove specific shell folders from the desktop, and more. Reg Fee $18

## NEW AND UPDATED DOS PROGRAMS

### ANTIVIRUS

### AVSCAN

AVScan 3.71 scans for more than 7500 virus signatures, not including the other special identification methods it uses. These methods are used to detect polymorphic viruses, such as MtE, TpE, NED, Tremor, Girafe, Uruguay to name but a few. Reg Fee $0

### SCN_303E

VirusScan 3.0.3 scans diskettes or entire systems and identifies any pre-existing PC virus infection. Reg Fee $65

### FPROT227

F-Prot 2.27a scans disks, hard drives, and all network drives for viruses using one of 3 methods: a secure scan which is slow, but makes an accurate identification; full scan which is a little faster, or a quick scan that only searches for known variants. It detects 250 families of viruses. It scans diskettes or your entire system, and allows the addition of a user-defined hexadecimal search pattern with wildcards. It performs an analysis of the memory allocation, programs, and boot sectors. It reports a list of infected files, disinfects files, and renames the infected files so they may not be executed. Optionally scans DOC and DOT files for Microsoft Word macro-based viruses. Reg Fee $0-$20+

### I_M321A

Integrity Master 3.21a is an anti-virus and data integrity system. The author says it detects all known viruses. It can detect any form of file corruption, including disk errors or as-yet unknown viruses. Stacker, DoubleSpace, SuperStore and Bernoulli system files are supported. Identifies the new MS Word macro viruses as well as over 640 additional viruses. It has an option to quickly disinfect diskettes. Reg Fee $50

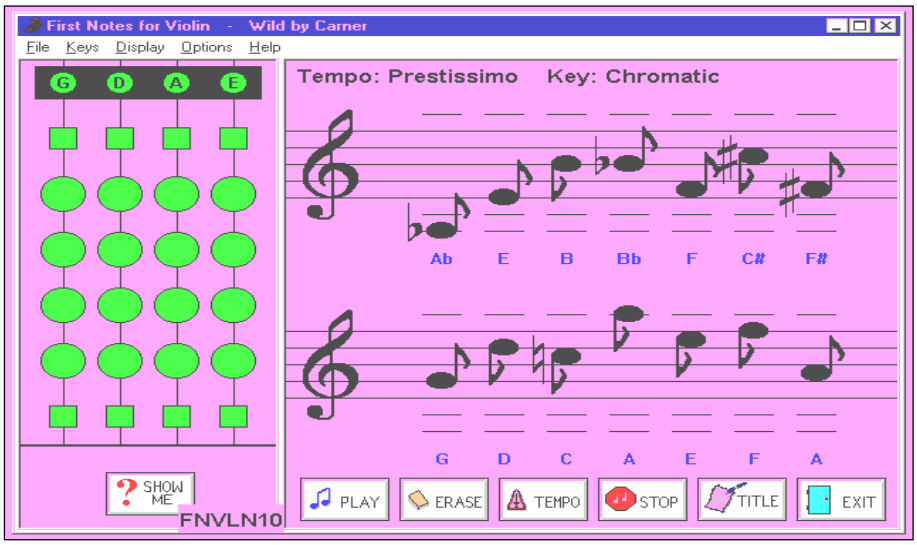
### GAMES

### COLOSSO1 + COLOSSO2 + COLOSSO3

Escape from Dr. Colosso 1.4 is a challenging 3D adventure where you must fight your way to freedom. This multi-level game comes complete with weapons, sounds, music, and excellent 256-colour smooth-scrolling graphics. Reg Fee $35

### VGUARD10
Vanguard ACE 1.0 is a vertical space shoot-em-up with excellent smooth scrolling rendered graphics, where you encounter multiple waves of both airborne and ground-based enemies. Features include realistic sound effects, a musical soundtrack, high score listing, and more. Reg Fee $35

### VOCABP3H
Vocabulary Power3.07 creates word-search puzzles, vocabulary bingo cards, and flash cards from your words and definitions. Word lists created with this program are compatible with Crossword Power. This was originally created for teachers, but can be enjoyed by anyone who likes word puzzles. (Terry L Jepson) (ASP) Reg Fee $40-160




## Miscellaneous

### BCOM30
BananaCom 3.0 is a simple communications program for first-time modem users. This works with DOS, Windows 3.x and Win95. Reg Fee $25

### DATES707
Dates 7.07 keeps track of birthdays, anniversaries, and other appointments, and will give you advanced notice so that you may send cards, leave town, etc. The data file is a simple text file that can be maintained with any text editor. Reg Fee $0

### ENCP10
Encryption Professional 1.0 is an advanced command-line encryption utility that uses a binary keycode system instead of passwords. After encryption, it automatically generates a random sequence of from 32 to 1024 binary digits. For added security, the program does not store the keycode in the encrypted file. Reg Fee $15

### PKE128V1
Public Key Encryption 128 1.0 allows you to easily secure files to be sent to a receiving party. An easy to use interface along with 128-bit high-end security algorithms make this a perfect choice for securing important information over the Internet. Reg Fee $15

### PRNFR250
PrnSet and Friends 2.50 is a printer control program designed to work with any printer by reading the control codes out of a data file. Prn2Both divides a paged file for printing on both sides of the paper. It can make proper margins and reverse headers and footers if nesessary. Mangler inserts FF's, add/strip margin, strips terminal blanks, breaks files into parts, strips high-bits, removes headers, un-paginates, reverses order of pages, and more. CountPgs gets information about a file, including: number, length, and width of pages; and the presence of Left Margin, FF's, tabs, bare CR's, high-bit (usually graphics) characters, misplaced ^Z's, and oversize pages. Pagina breaks an unpaged file into pages, with or without headers, footers, and margins. You get a wide variety of choices about the headers and footers. A string for headers and footers can be entered at runtime. Page numbers can start with any number and multiple files can be printed at once with continuous page numbers. Reg Fee $0

## Utilities

### BFIND707
BFind 7.07 searches text files for specified strings of text using boolean logic. For example, find any line with one string AND another one, or any line with one string OR another. Reg Fee $50

### CONVR707
Convert (BG) 7.07 converts between the following data formats: from dBase, ASCII-delimited, and fixed field to Lotus WKS, ASCII-delimited, dBase, and fixed field. Reg Fee $0

### DISKBK12
DiskBack 1.2 allows fast and easy backup of hard disks while preserving the source drive file structure. This is designed for fast backups to cartridge hard-drives but can be used with any disk media. Reg Fee $25

### MODEMD70
Modem Doctor 7.0S is a professional diagnostic tool for testing modem and serial ports. All modem lines, IRQ assignments, and base port addresses are checked. It also checks UART chip and all modem registers. Reg Fee $20

### POCK51
PocketD Plus 5.1 is a powerful, flexible command-line driven file utility with over 120 options. Features include directory listing, optimized file copying to multiple disks, searching across multiple drives and subdirectories, viewing of text or hex files, advanced string searching, safe file and subtree copying and moving, advanced wildcard matching, attribute and date/time modifying, file list browsing, viewing and searching of archived files, PKLITE/DIET/LZEXE detection, 37 user-defined parameters, display of program execution size, multi-key sorting, multiple display formats, environment variable and execution template allowing other utilities to be emulated and more. Reg Fee $49-$68

### PORTS10
PORTS 1.0 reports the serial port UART address and UART type (8250, 16450, or 16550) for all ports. Reg Fee $0

# COOL URLs

Compiled by Anne Greiner

### THE CAMELOT PROJECT

Here is a database of Arthurian legend to please the most romantic heart. The University of Rochester has set up this site, and maintains it, or rather is still building it. The content is very varied, and ranges from educated guesses of the history of the time from serious scholars, to the more lyrical accounts of knights and fair ladies. The text of medieval authors, mostly listed as 'Anonymous', and modern scholarly treatises on things ancient, glorious images of contemporary artwork with notes on both the work and the artist, and a detailed bibliography of contributors, ancient and modern cater to most tastes. Come to think of it, I really don't want to have too much light cast upon this scene. I would be devastated if I ever found out that Arthur wasn't real. It would be a worse discovery than the inevitable Santa debacle that occurs during the younger years of most of us.
*http://rodent.lib.rochester.edu/camelot/cphome.htm*

PharmInfoNet Pharmaceutical Information Network

### PHARMINFONET

Most of us understand that drugs intended to treat people need ultimately to be tested on people. These tests are known as clinical trials, and are ultimately required by the authorities before a drug can be deemed both safe and effective. In this site are sections that cater for professionals, lay people and your average high profile hypochondriac. There are a plethora of signs and symptoms and adverse drug reactions to tempt even the most discerning hypochondriac, and the synergystic action of some unusual drug groups are a joy to those who enjoy ill health. Seriously though, this is a valuable resource of useful information, not only on pharmaceuticals, but on many of the more common medical groups of diseases. Don't visit if you are likely to develop symptoms alphabetically.
*http://www.pharminfo.com*

ASX ShareNet

### AUSTRALIAN STOCK EXCHANGE

Interested in the sharemarket? Or can't you tell a Nikkei from Dow Jones Index? Do think futures are what we all have if we live long enough? Time to visit here and come to terms (pun intended) with some of the terminology. Check out what's going on with our economy, and if you don't like the looks of the real world, invest a virtual A$10,000 in the Sharemarket Game and try your luck. You may discover a little suspected talent, and go to bigger and better things. The site is searchable by keywords, and there is a glossary of terms and acronyms so that even demipaupers like me can drop a company name or two, and can refer knowledgeably and familiarly to the NTA, or the GDP, or the KGB. Here you can find current up to the minute prices, find a stockbroker, or even win A real A$3,000 worth of Australian shares.
*http://www.asx.com.au*

### INTERNET BABY MALL

Absolutely everything the discerning bub could possibly expect its middle class, upwardly mobile, double income parents to provide for its delight and delectation. This is an Australian site, and it calls itself a resource centre as well as a shopping mall, and has a baby FAQ (seriously, their terminology not mine, and no joking) section, and an area where one can look up tips and other cute things, and contribute some of one's own, or look up Baby's horoscope, or order a Pacifeeder Hands Free Bottle. Seriously, though, there is some excellent info here, and well worth a look before contemplating any baby related purchases or productions, and there are links to numerous other international sites, and of course, what shopping site would be without an international foreign exchange calculator. If any of my offspring threaten to reproduce, I'm going to Iceland, and will send them this URL.
*http://www.mako.com.au/babymall*

### MONSTER BOARD

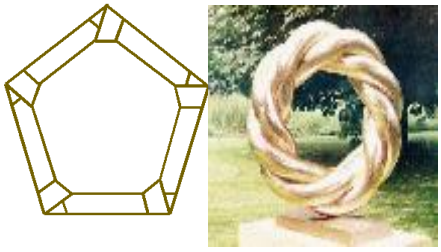
I've looked at this site several times over the last year or two, and have noticed a

significant change for the better in the number and quality of jobs offered. There is a comprehensive Australian section, arranged by type, and links to the United States, the UK, and now Canada as well. There are areas for prospective employees to post resumes, and areas where prospective employers can post job advertisements for vacant and soon-to-be vacant positions. Quite apart from anything else, the graphics are a sheer delight, and worth a visit for that alone. If I go and have a look, even if I don't want a job, and who knows, I may be able to visit the Australian Stock Exchange site next.
*http://www.monsterboard,com.au*

WELCOME TO amazon.com
EARTH'S BIGGEST BOOKSTORE

**AMAZON.COM**

Amazon claims to be the biggest bookstore in the world, and it very likely is. They claim to have 2.5 million titles, and have their own small but very effective search engine to search for key words, or to browse by subject. It claims to be a 'smorgasbord' of reincarnation, murder, and magic (and that is in the romance section), or tells us how Michael Downing dangles no modifiers in a conversation about grammar, love, and his new novel. The prices are very low, even with postage included, even for the United States to here, and many books come out earlier there than here as well. I've already bookmarked this one and hidden my Visa card in the best interests of economy, but I am a weak woman, and know I will not be able to resist for long.
*http://www.amazon.com*



**INTERACTIVE MATHEMATICS MISCELLANY AND PUZZLES**

A lovely, lovely site. Quite apart from everything else, on one page of this site are offered twenty-three different proofs of the Pythagorean Theorem, which the author claims were great fun to put together. He asserts that the Internet is one of life's wonders, and that he is convinced that this is a new medium which will have enormous impact on society as a whole and on individual lives, particularly as it impacts on the ability to access information readily. Not only is there a lovely collection of puzzles, grouped into types and families, but there is also a fair chunk of philosophy, and it looks at mathematics as a language, and waxes lyrical about a group of mathematical proofs that he describes as having been selected for their utter simplicity, or their unusual beauty. I found the site fascinating, both for the beautiful and logical way the whole site was laid out, the collections of puzzles and conundrums themselves, and the sheer enthusiasm and joy the author brings to the task. I have to admit a large dose of the green monster for a brain that can make such complicated fare seem so easy.
*http://www.cut-the-knot.com/front.html*

GREENPEACE

**GREENPEACE**

This is Greenpeace Australia, and they state that they believe that *'Society is ecologically sustainable: we should ensure a world where ecological constraints underpin human activities and decisions'.* The site is up to date, which is more than the International one is, and offers information on current campaigns, political as well as ecological, and has a lot to say about the presence of dioxins and other pollutants at the new Olympic site being built in Sydney, and has current news on the various ongoing campaigns around Australia and the rest of the world. There are lots of links to other sites, and a comprehensive coverage of hot zones and media releases. The Images section is well worth a look. We don't have to get out the Zodiac inflatable and go protect a whale or a dolphin to be a part of this movement - just refusing to take a plastic carry bag at the supermarket, or use a polystyrene cup or bleached and coloured coloured loo paper has an impact if enough of us do it.
*http://www.sofcom.com.au/Greenpeace/main.html*

AUSTRALIAN TELEVISION GUIDE

**AUSTRALIAN TELEVISION GUIDE**

The owners of this site tell us that they have been around for two years, and have been nominated as one of the most popular web sites in Australia in 1997. If what they currently have on offer is any indication, I am not surprised. They rate the top ten shows regularly (and the makeup of that list was a surprise), have current TV news reports, rate the top showing videos and so on, and so on. The whole site is logically laid out and easy to navigate, and has more information than can be assimilated in any one sitting. The articles are interesting, particularly the one on violence in television, and its effect on our children. Bookmark this one, you will probable use it as often as the phone book.
*http://www.sofcom.com.au/TV/main.html*

Digital Photography '96

**THE DIGITAL PHOTOGRAPHY EXHIBIT**

This is an international juried exhibit, exploring new work created by artists who work with cameras and computers. The exhibit is presented by Bradley University and the Peoria Art Guild., and has as two of its main sponsors, Adobe and Hewlett Packard. It looks at the film media, and the many ways that electronic editing can make what was a photoreal image into a work of art. The processes used for each of the images is explained for those of us (wish I could include myself in this category) with enough technical knowledge to understand the technicalities, and all of the images are interesting, and some are gorgeous. If the current exhibition is not enough, there are also the 1994, 1995 and 1996 exhibits to drool over. Be warned though, some of them may have some shock value in their content, and they are *very* slow to load, particularly during peak usage times, so be warned on both counts, but do look.
*http://www. Bradley.edu/exhibit*

# What's News?

*Compiled by Malcolm Morrison*

## Mijenix FreeSpace – Get 150% more space safely and easily.

FreeSpace creates hundreds of megabytes of hard drive space by letting you selectively compress files, as well as optimize hard drive clusters. You'll average 150% more free space for each file you compress! There are no special partitions, no disk doubling, no compressed drives, no special file names and no big slowdowns in system performance. Simply choose the files or programs to FreeSpace, and they look and work exactly the same as before while taking up less disk space. With FreeSpace, you're not on your own. Simply use the FreeSpace Manager to hunt down space-hogging files. You'll get a list of the best possible candidates for compression. Click a folder, and it's compressed! The included FreeSpace Browser gives you a birds-eye view of your hard drive, with simple graphical displays so you can quickly see what areas are wasting the most amount of space, and what areas are the most compressible. The FreeSpace Browser even includes file management and advanced controls for power users.

Some companies sell partitioning software, which partially solves the cluster problem but splits your hard drive up into many new drives. With FreeSpace, your cluster space is automatically optimized when you compress a file. If you run out of hard drive space, tell FreeSpace how much you need. You're installing a new program, but can't finish because you don't have enough space? Simply tell FreeSpace how much space you need, and you'll get what you need! You can use FreeSpace to find files which are taking up space, or you can simply right-click any file or folder in Explorer, and compress it instantly.

Compress individual files or folders, or simply tell FreeSpace to compress all files of a certain type. For example, if you find large graphic files are taking up too much space, FreeSpace will compress all of these files on your hard drive, and whenever you create a new one. Unlike disk-doublers (like Stacker and DriveSpace), FreeSpace doesn't force you to compress an entire hard drive, doesn't take up lots of memory, and doesn't slow your system down to a crawl. And, unlike the Zip file format, no specially named file is needed. And best of all, you select the files you want to compress. Research shows that on many hard drive systems, up to 70% of the disk space is wasted. Even if you have a 10-gigabyte hard drive, you're wasting tremendous amounts of space. And when you run out of space, you have to delete files, or scramble out to the store to buy another hard drive.

FreeSpace uses Mijenix's patent-pending DFSE technology, which compresses and decompresses data on-the-fly at extremely high speeds, while also optimizing cluster space. DFSE ensures that files which have been FreeSpaced act exactly the same, with little noticeable slowdown in loading and execution.

System Requirements – Requires Windows 95 or Windows NT 4.0 (running NTFS) with at least 8MB of RAM and 2.5MB of free disk space.
Distributed by Software Suppliers Pty Ltd (02) 9888 1955 *softsupp@ozemail.com.au* *www.softwaresuppliers.com.au.* Download the 30 day evaluation version.

## Languages Made Easier

Europress Australia has announced the Language Labs range of educational software packages, covering some of the world's most popular languages (by usage) including English, Japanese, Chinese, French, German, Spanish, Italian and Russian.

We are all taught our native tongue through the constant association of objects and words. Europress' Langauge Labs use this same method to provide you with a fully interactive way of learning a language. This software shares the same pedigree as the famous Rosetta Stone Language Library, which provides a stimulating multimedia approach to RAPID langauge learning.

More than 800 words and phrases, and more than 200 different exercises make Europress' Language Labs ideal for anyone taking their first steps in learning a new language. These programs are also ideal if you want to brush up on a language for business trips or holidays. Language Labs teach you to think a new language rather than translate it. Starting with simple expressions and concepts, Language Labs systematically introduce new vocab and grammar to build on what you have already mastered. You can select your learning style from 12 different modes, and you can record your voice to check pronunciation with that of native speakers.

To use Language Labs you'll need a PC running under either Windows 3.1X or Win95 with at least 4 Mb RAM, 4 Mb hard-disk space, a CD-ROM drive, an SVGA screen and a SoundBlaster (or compatible) sound card.
Language Labs sells for $59.95.

Europress Australia has also released Mini Office Home Finance, a Windows-based package designed to allow you to make the most of your hard-earned money!
It is becoming increasingly important to all of us to better manage our finances. Mini Office Home Finance, developed in the UK

by Europress and marketed under the company's Productivity banner, is designed for those mere mortals among us with little or no formal financial training. Yet the package includes a double-entry system designed to meet the needs of a wide range of potential users.

You can select from Beginner, Expert or Professional levels within the program, while still retaining a variety of powerful functions at your fingertips. You can range from simply balancing your bank or cheque accounts, through to full retail accounting, complete with integrated invoicing! Mini Office Home Finance helps you keep day-to-day control of that all-important cashflow. The package has been designed to allow you to look into the future, courtesy of cashflow projections and budgets. And it helps you create clear charts and graphs to help in budget planning.

Mini Office Home Finance, which runs on a 486 (or higher), sells for $39.95.

## McAfee Merger

McAfee and Network General, two leaders in the network management software arena, have agreed to merge in a deal reported to be worth $US1.3 billion. The new company will be called Network Associates.
The agreement will see the creation of the world's 10th largest software company, and the biggest third-party supplier for the Microsoft-Intel platform. It sees McAfee's expertise in anti-virus, security and help desk automation software married to Network General's market-leading network fault and performance management products. Officials of both companies say there is virtually no overlap in product offerings, and the merger is very amicable.

## And McAfee Award

McAfee's VirusScan has been voted best anti-virus product by readers of Australian PC World. McAfee says readers' awards are most gratifying, as they reflect the views of users in the field. Meanwhile, VirusScan has also been nominated as a finalist in PC/ Computing's MVP awards. It was one of thousands of products subjected to countless hours of exhaustive testing by PC/ Computing's editors.

## U.S. Department of Justice seeks Microsoft Fine

In its continuing battle with the world's largest software company, the U.S. Justice Department has asked a federal court to hold Microsoft Corp in contempt for alleged anti-competitive behaviour in the Internet browser market. U.S. Attorney General Janet Reno said the government will ask a federal district court to impose penalties of $1 million-per-day on the Redmond, Washington-based software giant for allegedly not complying with a 1995 consent decree. The news overshadowed Microsoft's better-than-expected first-quarter earnings. The agency's antitrust division charged the nation's largest software company violated the consent decree by trying to use its leverage to require PC manufacturers to license and distribute Microsoft's Internet browser, Internet Explorer along with the company's new operating system Windows 95. 'Forcing PC manufacturers to take one Microsoft product as a condition of buying a monopoly product like Windows 95 is not only a violation of the court order but it's plain wrong,' Reno said.

Microsoft doesn't deny that PC manufacturers are required to install its browser as part of licensing the Windows operating system. However, Microsoft said the consent decree includes a provision that permits the software company to include upgraded functionality such as web-browsing. 'The big question is: "Where does the operating system begin and where does it end?"' said Neil Herman, analyst at Salomon Brothers. Microsoft was previously investigated for bundling its online service with its operating system but the probe was later dropped. The software company was also blocked from acquiring personal finance software company, Intuit Inc.

## NEC Microsoft integration plans

NEC and Microsoft have announced plans to integrate their hardware and software products. Microsoft says it will support NEC's development of a product known so far as Express Server for Enterprise, built on Microsoft's NT and using BackOffice applications. The two IT giants also plan to come up with ways to support 64-bit techhnologies in large servers.

## NEC Offers New Range of Notebooks

NEC Australia says that its new range of Versa notebooks will help it regain most of the ground lost recently in the continuing notebook market share battle. This new range covers the value priced Versa 2700 Series, the mid-range ultra-thin Versa 5000 Series (also called Houdini), the addition of the Versa 6060 to the 6000 Series, and the new lightning-fast, top-end Versa 6220 and 6230 models. While all Versa notebooks now support MMX technology, some also feature Intel's latest high-speed 200 and 233 MHz processors – the so-called Tillamook chips. All Versa models will feature these high-speed processors by the end of this year.

The convenience of all-in-one design and the desktop power provided by 133, 155 or 166 MHz Intel Pentium processors with MMX technology are the hallmarks of NEC's new value-priced Versa 2700 Series notebook computers. With prices ranging from $4147 (inc tax), these notebooks incorporate a 16X variable-speed CD-ROM drive, 1.44 M-byte floppy drive and battery in a new, slate blue chassis. NEC says the design eliminates the need for you to choose between peripherals.

The Versa 2700s feature 32 K-bytes of internal cache, 256 K-bytes of Level 2 external cache and 16 M-bytes of EDO DRAM (which can be boosted to 96 M-bytes). The Versa 2730M and 2730MT share a 133MHz processor, the 2750M has a 150MHz processor, while the top-of-the-line 2760MT features a 166MHz processor. All Versa 2700s will ship with Intel's 200 and 233 MHz mobile Pentium processors with MMX (the so-called Tillamook setup) by the end of this year. All Versa 2700s also feature a 12.1in screen, and there are choices of either enhanced DSTN of active-matrix TFT models.

# The INTERNET Project

## Applicant Details (mandatory)

First Name: _____

Last Name: _____

Principal Organisation

☐ AUUG ☐ PCUG

Membership Number: _____

I, the applicant, declare that I have read the terms of this application, and affirm that the details I have provided are correct.

Signed: _____

## Existing Accounts

☐ Change from LIMITED to FULL ACCESS

☐ Renewal for FULL ACCESS - 12 months

Current Login Name: _____

## New Accounts

☐ NEW Application for FULL ACCESS

☐ NEW Application for LIMITED ACCESS

Login name request, in order of preference (optional)

1. _____

2. _____

3. _____

*Your login name must be 2 to 8 characters long. It may contain only letters and numbers, and **MUST be clearly based on your real name***

## Payment (Full Access only)

Please make cheques payable to:

**PC Users Group (ACT) Inc**

Payment: **$120**

Method of payment: ☐ Cash ☐ Cheque

☐ Visa ☐ Bankcard ☐ Mastercard

Card number: _____

Expiry date: ____/____

Name on card: _____

Signature: _____

**PCUG Office Use Only**

Processed by Accounts: ____/____/____

Signature: _____

**IMPORTANT NOTES – please read**

1. Access the The Internet Project is available only to members of PCUG or AUUG and is governed by The Internet Project Acceptable Use Policy, copies of which can be obtained at the PCUG Centre, or downloaded from the PCUG BBS or from The Internet Project.
2. The Internet Project is managed and administered by volunteers. The Internet Project aims to offer affordable access to as many members as possible, allowing members to experience all the resources of the Internet. *No minimum level of access or service is offered or guaranteed.*
3. There is a limit of one Internet account per non-corporate membership. Corporate members may sponsor up to three individuals, who are then *personally* responsible for the operation of their accounts. Please complete one application for each person.
4. Part of your email address will be determined by the principal organisation. If your membership of the organisation expires, so too does your membership of the The Internet Project. In this event, no refunds for unused allocation will be made.
5. The Internet project reserves the right to alter prices and services offered at any time. Fees paid for Internet access are non-refundable and non-transferable.

### Access Categories

6. Note: Hours debited do not necessarily equate to real hours on-line; time allocation will be debited in a *non-linear* fashion depending on the amount of time spent on-line in any given day. The debit rate is set from time to time by the Internet Project Management Committee.
7. Limited Access
   a) Limited Access provides terminal-based email and news only.
   b) Limited Access is free on application.
   c) In any calendar year, calculated from the date of application, Limited Access provides up to 100 'hours' usage.
8. Full Access
   a) Full Access includes email, news, and SLIP/PPP.
   b) Full Access is not free. Current rates are $120 for one calendar year of access with up to 300 'hours' usage.
   c) When your Full Access subscription expires OR you use 300 hours of access (whichever is earlier), you will be required to purchase another subscription for one calendar year from that date.
   c) Full Access users also receive a Limited Access allocation – see above.
9. All users joining The Internet Project receive a one-off, free five hour allocation of Full Access.

### Collecting your login details

10. A waiting period of two months applies to new members of the PC Users Group (ACT) Inc.
11. For existing members, please allow up to two weeks for your application to be processed.
12. Login details can be collected – *in person by the applicant* – from the PC Users Group Centre. We recommend that you phone the Centre first to check that the details are waiting for you.
13. You (and your parent/guardian if you are under 18 years of age) will be required to sign an Acceptable Use Policy Declaration when you pick up your login details. Photographic proof of identification will be required at that time.

# Member Services

*These special offers and services are only available to PCUG members.*
*Please bring your memberhip card with you when collecting orders.*

### Disks & Tapes

We offer high quality disks and tape cartridges in various formats at very reasonable prices.
**Disks & tapes** are available from the PCUG Centre Monday, Wednesday & Friday 10am to 2pm or between 9am and 5pm on weekends.

### BBS Access

New members wishing to access the PC Users Group (ACT) InterActive Bulletin Board Service (BBS) should dial (02) 6253 4933 and create an account on the system. Once the main menu is presented, select the 'Goodbye' option followed by the 'Yes' option to leave a message to the Sysop.

In this message state your membership number (from your card or magazine address label) and request an access upgrade. This will usually occur within a few days.

### Shareware

Members have access to a huge selection of 'shareware' software. The PCUG subscribes to a CD-ROM which provides over 250 Mb of new and updated software titles on each monthly CD.

One complete section of the permanent library is also contained on each CD-ROM. In addition, there are many programs on the PCUG BBS which members have uploaded or which come from other sources.

This software is provided as 'shareware'. If you continue to use it, you must register the software with the author. The Group does not 'sell' the software - it charges a fee to cover the cost of obtaining the software, maintaining the library and copying the software to the member.

Computers are available at the Centre which are connected to the BBS enabling members to download software.

### Hardware & Video Library

The hardware and video library is located at the PC Users Group Centre. Items may be collected and returned on Saturdays and Sundays between 9am and 5pm (loans are for one week). Please bring your membership card with you.

The library provides access to equipment which members would not normally have readily available. Most items have instructions manuals and software where appropriate. Modems do not include software; check the Shareware Library for suitable packages. Items may be borrowed for one week. There is no charge, but you must collect and return the items yourself.

Equipment available includes:

- modems (33.6k and 14.4k)
- zip drives.

Videos include:

- Developing Applications with Microsoft Office
- Using Windows 95

## Stuffed Again

We had another terrific turnout this month. So we would like to thank the following members and friends for assisting with the mailing out of our Journal.

**Bruce Black**
**Owen Cook**
**Eddie de Bear**
**Graham Dietrich**
**John Dyer**
**Tony Fitzpatrick**
**Rufus Garcia**
**John Hempenstall**
**Keith Kloosterman**
**Vernon Kronenberg**
**Jenny Laraman**
**Wolf Lieske**
**John Loggie**
**Allan Mikkelsen**
**Peter Roberts**
**Rod Smith**
**Carol & Charlie Syms**
**Graeme Taylor**
**Gordon Urquhart**
**Lou Wallington**
**Marion van Wely**
**Sylvia & Lewis Yardley**

We are *always* looking for volunteers to assist us with the 'stuffing' of our journal. We start around 5.00pm (latecomers are welcome) *usually* on the 2nd last Monday of every month and are generally finished by 8.00pm. Refreshments are provided. If you would like to help, please ring Petra Dwyer at the PCUG Centre on 6253 4911.

### Next Stuffing

5.00pm **Monday 22 December 1997**
at Northpoint Plaza, Belconnen.
*(see map page 3)*

**We now have a Giveaway Table at the PCUG Centre.**

**If you have any SMALL items of computer related equipment (software or hardware) that you no longer need or use and don't want to throw away, put them on the table and someone else may find a use for them.**

**Just bring them to the Centre when it's open and we'll pass them on for you.**

# Special Interest Groups

## The Internet SIG

This a get together of those members of the PCUG who love to explore the Internet for interesting sites, new Internet tools and novel applications. It holds an informal meeting once a month on the first Thursday (January excepted), at 7.30pm. The meeting has no set agenda but free flowing chat on various Internet related topics and events. On occasion, we had presentations of interesting software. Among topics that are discussed from time to time are the upgrade of TIP, cable and wireless access to the Internet and the regulation of the Internet. The web page for the SIG is at: *http://www.pcug.org.au/~amikkels/intsig.html*

## Bytes

The Bytes SIG is designed for those who like to talk about computing over a meal. It meets from 6 pm at the Asian Bistro, Australian National University Union, on the PCUG meeting nights. There are no Bytes SIG meetings in November, December, or January. Contact person: Andrew Freeman Phone: 6258 7411 Email: *afreeman@pcug.org.au or* WWW at *http://www.pcug.org.au/~afreeman/cvsig.html*

## AutoCAD

Geoffrey May 6295 5942 Monday-Fri 4-5pm. Please call for details.

## C/C++

Peter Corcoran . *peterc@pcug.org.au* 2nd Tuesday 7.30pm PCUG Centre

## GUI Developers

Peter Harris 6287 1484 *pharris@pcug.org.au* Please call for details

## The Investment SIG

The group meets at the PCUG Centre at 7.30pm on the fourth Thursday of every month except for December to discuss investment affairs, especially the stock market and share ideas and information. Matters covered may be someone's hot stock, or a tax problem or an interesting Web site, and sometimes a software demo. We are looking for volunteers to present brief reviews of a favourite stock. Contact Mick Preskett ph 6252 5036.

## The OS/2 SIG

An enthusiastic forum for those operating or interested in OS/2 Warp. Meetings include wide ranging discussion and interesting hands on demonstrations. Meetings are held on the third Thursday at 7.00pm for 7.30pm at the IBM Building 8 Brisbane Ave, Barton. Contact David Thrum Phone 6201 8806 (bh). Full details about the OS/2 SIG can be obtained from *http://www.pcug.org.au/~aacton/os2/welcome.htm.*

## The Delphi SIG

A lively forum for software developers who are working with or interested in Delphi. Our meetings include wide ranging discussion and interesting hands-on demonstrations. Come and see why Delphi is RAD! Some of our recent meetings have discussed Delphi components, best shareware tools, database applications, and HTML tools. Meeting 3rd Tuesday of each month 7.30pm at PCUG Centre. Convenor Al Kabaila email *akabaila@pcug.org.au.* You are welcome to also subscribe to the PCUG Delphi mailing list by sending message 'subscribe act-delphi-l@pcug.org.au [your email address]' to Majordomo@auug.org.au

## Linux User Group

Stephen Rothwell 6291 6550 (ah) Stephen Rothwell@canb.auug.org.au 4th Thursday 7.30pm Room N101 Computer Science Dept ANU.

## Networks

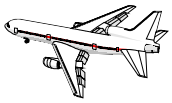
Garry Thomson 6241 2399 *gthomson@pcug.org.au* Thursday after main meeting Please call for venue.

## Computers and Vegetarianism

This SIG is designed for those who have an interest in both computers and vegetarianism. It generally meets with the Bytes SIG. No meetings are held in November, December, or January. Contact person: Andrew Freeman Phone: 6258 7411 Email *freeman@pcug.org.au* or WWW at *http://www.pcug.org.au/~afreeman/cvsig.html*

## Coffee & Chat

The Coffee and Chat Group meet at the PCUG Centre in Belconnen on alternate Tuesdays from 10.30am to 11.30am with another 30 minutes to 12.00 for those who want to stay. The dates of these meetings are shown in the Calendar of Events.



## Flight Simulator

Meets 1.30 - 3.30 on Tuesday afternoons following Coffee and Chat at the PCUG Centre. Enquiries welcome.
Roger Lowery (02) 6258 1583
*lowery@pcug.org.au*

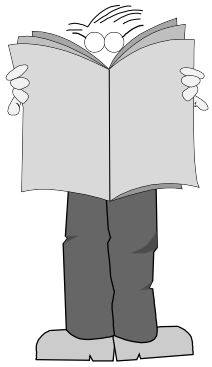
## Internet Daytime Demo and Discussion SIG

Meets every second Monday at the PCUG Centre from 10.00am to noon. We meet to discuss internet issues, software, sites (and anything else of relevance), and demonstrate, on Centre equipment, selected software and techniques. The meeting starts with informal discussion and coffee, followed by a more in-depth look at a particular topic of interest. There is also time for discussion (and hopefully solving) of members problems with the internet. A home page for the SIG is at *http://www.pcug.org.au/~amikkels/intddd.html* Enquiries or suggestions for topics are welcome at *amikkels@pcug.org.au.*

Please email any changes in contacts, venue or information about SIG activities by the first Friday in the month of publication to *pcug.editor@pcug.org.au.*

# Training News

*by Peter Elliott*



OTT Publishing are a local producer of computer training manuals which the Centre uses when conducting some of its courses, The training manuals are designed as an instructor led, hands on guide and cover software from Microsoft, borland and Lotus to name a few.
The training manuals can be bought by members from the Centre, or you can contact the Company by phone on 02 6231 3880 orby email orders@ott.com.au.
Prices depend on the number of copiesordered but basically for a half or full day course the manula costs $19.50

The programme for 1997 has been adjusted to meet the demand for particular courses, particularly Internet courses. PCUG Training is able to, and willing to, conduct a variety of courses in other areas of computing. If you have an interest in a particular computer course and it is not currently scheduled, contact Petra and let us know.

Our training courses are very popular. Unfortunately, some people book and then do not turn up for their course.

Courses
Due to the Christmas holiday period, the Centre will not be open as outlined below.

Someone on the waiting list for the course could have filled the spot left vacant. If you have booked for a course and are unable to attend, please let Petra know as early as possible so that another member can attend.

**Please note:** Due to the Christmas and New Year holidays, the Centre will not be open (see calendar below).

***Courses***

**C Programming – Introduction and Intermediate:** During December, there will be two courses conducted on C programming. The courses are designed to introduce members to the basic concepts of the C programming language. There is no prerequisite for the Introduction to C Programming course but a basic understanding of C programming is preferred for those interested in attending the Intermediate course.

The **Full Access Internet** course is an introduction to the programs used to access the World Wide Web, send and receive email, participate in news groups, and transfer files. If you would like to attend the course, you will need Full Access (Advanced Access) to the Internet.
In the new year a Basic Introduction to Computers will be conducted.

### Contacts

**COURSE BOOKINGS: Petra Dwyer, at the PCUG Centre on 6253 4911**

Training coordinator and course information (**not** bookings): David Schwabe, 6254 9086 (h) 7.00pm to 9.00pm, 6265 0471 (w)

Microsoft Product courses (**not** bookings): Michael Lane 6242 9278 (h) 7.00pm to 9.00pm

**All courses are held at the PCUG Centre, Northpoint Plaza, Belconnen - maximum 8 people.**

**Courses cost $35 unless otherwise indicated. Full day courses run from 9.30am to approximately 3.00pm. AM Courses commence at 9.30am. PM courses commence at 1.30pm.**

| | Date | Day | Course | Length |
|---|---|---|---|---|
| December | 6 | Sat | *Sixteen Bits* Layout Day /Internet Clinic | Clinic: |
| Morning | 7 | Sun | C Programming – Intro | Full Day |
| | 13 | Sat | Introduction To Win95 | Full Day |
| | 14 | Sun | C Programming – Intermediate | Full Day |
| | 20 | Sat | Internet - Full Access Intro | Full Day |
| | 21 | Sun | Reserved | |
| | 27 | Sat | Closed | |
| | 28 | Sun | Closed | |
| January | 3 | Sat | *Sixteen Bits* Layout Day | Afternoon |
| | 4 | Sun | Closed | |
| | 10 | Sat | Closed | |
| | 11 | Sun | Closed | |
| | 17 | Sat | Introduction To Win95 | Full Day |
| | 18 | Sun | Internet - Full Access Intro | Full Day |
| | 24 | Sat | Closed | |
| | 25 | Sun | Closed | |
| | 31 | Sat | Internet Full Access Intro | Full Day |

# Vendor Discount Scheme

The following local vendors offer discounts to PCUG members

- Present your PCUG membership card when making a purchase
- Benefits may not apply to some sale items
- The PCUG does not necessarily recommend or endorse the products being offered

*If you offer a discount to PCUG members and are not in this list, please contact our advertising manager listed on page 2.*

| BUSINESS | SERVICES/PRODUCTS | PHONE/FAX/EMAIL | ADDRESS | DISCOUNT |
|---|---|---|---|---|
| **Accountants** | | | | |
| Peng Lee BA, BEc(ANU), FCA<br>Chartered accountant<br>Registered tax agent<br>Holder of Certificate of Public Practice | Accounting and taxation services<br>*A fee schedule published 1 year in advance will be forwarded upon request* | Ph: 6258 0156<br>Fax: 6258 0157<br>Mobile: 0419 625 801<br>Email: leep@pcug.org.au | 6 McGuiness Place<br>McKellar ACT 2617 | 10% discount off the published fee schedule to PCUG members |
| Lesley Piko<br>Certified practising accountant, registered tax agent | Personal and business taxation services<br>General accounting services | Ph: 6288 8888 | Suite 1<br>17 Trenerry St<br>Weston ACT | 15% discount off quoted fee |
| **Books** | | | | |
| Collins Booksellers | A wide selection of computer titles for the novice and also advanced computer user | Ph: 6251 4813<br>Fax: 6251 3926 | Belconnen Mall | 10% discount off computer book purchases only |
| Daltons Books | No. 1 for computer and business books | Ph: 6249 1844<br>Fax: 6247 5753 | 54 Marcus Clarke St<br>Canberra City | 10% off RRP of computer books |
| **Computer related** | | | | |
| ACT Valley Computer Repairs | Repairs, upgrades, new systems, software installation.<br>Low rates<br>Open 7 days | Ph: 6294 2592<br>Mobile: 019 323 435 | | 10% discount on upgrades and repairs |
| Amalgamated Business Machines | | Ph: 6280 4887 | 65 Kembla St<br>Fyshwick | 5% discount on repairs |
| Bettowynd & Taltech Solutions | Prompt, guaranteed, fixed price repairs to monitors and terminals | Ph: 6239 1043 | Unit 5, Centrecourt<br>1 Pirie St, Fyshwick | 5% discount |
| Capital Simulations | | Fax/message: 6258 0110 | PO Box 329<br>Belconnen ACT 2616 | Free postage and handling (normally $4) and 2 free modem opponents 'wanted' notices (normally $10) |
| The Cartridge Factory | | Ph.: 6295 5935 | Canberra Business Centre<br>49 Wentworth Ave<br>Kingston | 10% discount on remanufactured laser toner cartridges<br>10% discount on inkjet refill kits<br>No discount available on new ink or toner cartridges |

| BUSINESS | SERVICES/PRODUCTS | PHONE/FAX/EMAIL | ADDRESS | DISCOUNT |
|---|---|---|---|---|
| **Computer related (cont)** | | | | |
| Clarion Database Systems | Computing consulting<br>Business applications development<br>Software sales | Mobile: 041 108 7754 | | 10% discount off RRP on Microsoft and other vendors' products and consulting services |
| Hi-Micro Computers | | Ph: 6280 7520<br>Fax: 6280 7540 | 6/18 Whyalla St<br>Fyshwick | 5% discount on accessories and upgrade installation |
| L & S Associates | | Ph: 6257 7555 | 69 Paterson St<br>Ainslie | Special price on any Microsoft product: dealer price plus 5% |
| NCH–Swift Sound | Email to wav<br>Professional voice overs, music and SFX for multimedia, IVR, games, software | Ph: 6281 6124 | | 25% discount to non-corporate members |
| PE Computers & Software Solutions | New systems<br>Upgrades<br>Hardware and software installation, setup and home PC support<br>Software tuition including Win95 and Internet software | Ph/fax: 6258 9806<br>Mobile: 015 484 711<br>Email:<br>pelliott@pcug.org.au | | 5% discount on all new systems and upgrades<br>20% discount on installation, tuition and home PC support |
| Rob's Computer Help Desk | Telephone and on-site help for *all* your computer and support needs | Ph: 6292 3211<br>(24 hours/7 days) | | 5% discount on consulting services |
| The Software Shop | | Ph: 6285 4622 | 42 Townsend St<br>Phillip | 5% discount off our already low prices |
| Sproatley Computer Services Pty Ltd | Upgrades<br>New and used PCs<br>MYOB specialists<br>Software installation<br>24 hour help desk | Mobile: 0412 231 224<br>Fax: 6231 3605 | | 10% discount on all services |
| Michael Vetz | Home PC support available for all PC problems including upgrades and tuition at your place – all hours | Ph: 6251 2184 | | Discount of $25 per hour – maximum charge $50 |
| WinBBS Australia (Doohan OK! BBS (ACT)) | Windows-based BBS featuring the latest Web browsers, anti-virus software, games and demos, and electronic versions of PCUG in Adobe Acrobat format plus much more!<br>Operating 24 hours per day, 7 days a week. | Ph: 6242 8696<br>or 6265 6752<br>Fax: 6234 0400<br>Mobile: 0411 508 169<br>Email:<br>webmaster@dynamite.com.au<br>Dial-up number:<br>6241 1323 | 'Belongapedi'<br>2/13 Murrung Cres<br>Ngunnawal ACT 2913<br>Canberra, Australia | Free life membership to PCUG members when membership number quoted to the SysOp (usually $10–$20). Call for details. |
| World Wide Web Consultants Canberra (W3C2) | Your key to the Internet. Training, consulting and web site services. | Ph: 02 6292 3211<br>Fax: 02 6292 3914<br>Mobile: 019 440 608<br>Email:<br>fcmoore@w3c2.com.au | PO Box 5145<br>Chisholm 2905 | 5% to a maximum of $100 on web site services. |
| **Other** | | | | |
| ANU Union Asian Bistro | | | Upstairs, Union Building, Union Court, ANU (next to main meeting venue) | Union member discount on PCUG main meeting nights **ONLY** |
| Aspect Computing Education Services | | Ph: 6247 7608 | 86 Northbourne Ave<br>Braddon | 10% discount |
| Australian Management Control | | Ph: 6285 4888 | Suite 4, 32–36<br>Colbee Court, Phillip | 5% discount on recordkeeping and payroll courses |
| Net Maths Tutor | Email-based maths tutoring service provided by experienced teacher (high school to uni level) | Ph: 6258 4791<br>Email:<br>plavers@canberra.teknet.net.au<br>www.teknet.net.au/~plavers/ | | 10% discount |

# Members' Ads

## FOR SALE

**Various:**
PC Pentium 100, 250Mb hard disk drive, 3.5" FDD, 16Mb RAM, 13" monitor, CD-ROM, Soundblaster, keyboard and mouse, speakers, IBM DOS 6.3. $850

PC 486/DX66, 170Mb hard disk drive, 3.5" FDD, 4Mb RAM, 11" monitor, CD-ROM, keyboard and mouse, IBM DOS 6.3. $250

Box of odds and sods:
386 motherboard, IDE FDD/HDD controller card, RLL FDD/HDD controller card, I/O card, EGA/VGA video card, 64Mb HDD, 40Mb HDD, keyboard, mouse, 2400 bps modem, Lotus 1-2-3+ Allways, Multimate II, Harvard Graphics. $100

OR the lot for $1000.

Colin Whittaker. Ph.: 6286 5897

## WANTED

**CD-R**
CD-R (CD recorder) drive. New or secondhand. Either SCSI or EIDE.
Chris Beckhouse. Ph.: 6297 1042
Email: c-beckhouse@usa.net

## PC Users Group Membership Application / Renewal

**Annual Fees Applicable (☑ one)**

| | |
|---|---|
| ☐ General[1] | $ 50 |
| ☐ Concessional[2] | $ 25 |
| ☐ Corporate[3] | $130 |
| ☐ Additional Corporate[4] | $ 50 |
| ☐ International (Air Mail) | $130 |

*Notes*
1 General membership covers all members of a household except for BBS and Internet access. Two month waiting period applies to Internet access.
2 Concessions apply to full time students and pensioners.
3 Corporate Membership covers up to three nominees.
4 Additional Corporate nominees may be added at $50 each.

**I am paying by (☑ one)**

☐ Cash (if paying by person) ☐ Cheque to *PC Users Group (ACT) Inc*
☐ Credit card — Bankcard, Mastercard or Visa

| | | |
|---|---|---|
| Title | Given Name | Surname |
| Organisation (if applicable) | | PCUG Membership Number (if applicable) |
| Postal Address | | |
| Phone (h) | Phone (w) | Concession Type (if applicable) |
| Credit Card Type / Number | Expiry Date | Signature |

**I would like to ( ☑ one or more)**

☐ Become a new member for ____ year(s)
☐ Renew for ____ year(s)
☐ Change my address details
☐ Change Corporate nominees
☐ Take my address off advertising list
☐ Access the Bulletin Board (BBS)

**Reasons for Joining ☑ (one or more)**

☐ Sixteen Bits Magazine ☐ Training Courses
☐ The Internet Project ☐ Advice and help

Other _____

**TOTAL PAYMENT DUE $_____**

Please Post your application with payment to:
**PC Users Group (ACT) Inc**
**PO Box 42 Belconnen ACT 2616**

Additional Corporate Membership Nominees

| | | |
|---|---|---|
| Title | Given Name | Surname |
| Position (if applicable) | Phone (h) | Phone (w) |
| Title | Given Name | Surname |
| Position (if applicable) | Phone (h) | Phone (w) |

# The Help Directory

The people in this directory are *volunteers* so please observe the times given. The Help Directory is designed to help individual users and should not be used as a substitute for corporate support calls to vendors! This service is provided for *members only*. Please quote your membership number to the helper. For those helpers with an asterisk *, messages may be left on the BBS in either the General message area or as a Netmail message on 3:620/243. Send updates to *pcug.editor@pcug.org.au* or via post to the PCUG Centre.

| Subject | Name / Email | Phone | Days | Times |
|---|---|---|---|---|
| Access for Windows | Graham Fry | 6288 3138 | All days | 7.30pm - 8.30pm |
| Assembly Language | Thomas McCoy | 6294 2226 | Mon - Fri | 8.00pm - 10.00pm |
| Audio | Peter van Runt | 6288 5556 | Mon - Fri<br>Weekends | All day<br>12noon - 8pm |
| AutoCad | Geoffrey May * | 6295 5942 | Mon - Fri | 4.00pm - 5.00pm |
| AutoCAD Rel 12, 13 and LT | Neil Moffat | 6292 7108 | All days | Noon - 10.00pm |
| BASIC + Machine Language | George McLintock | 6295 6590 | All days | 8.30pm -10.00pm |
| Bluewave | Jorge Garcia | 6282 2681 | All Days | 7.00pm - 9.00pm |
| Batch Files, TSRs, Utilities | Bill Ghysen | 6287 1234 | Mon - Fri | 8.00pm - 10.00pm |
| Braille transciption (Duxbury and Megadots) | Carolyn Simpson *ryn@effect.net.au* | 6241 0705 | All days | Anytime |
| Bulletin Board Service | Michael Phillips * | 6253 4966 | All days | 7.30pm - 8.30pm |
| Chinese Star for Windows | Peng Lee | 6258 0156 | All days | 1.00pm - 9.00pm |
| Clipper | Cedric Bear | 6258 3169 | All days | 7.30pm - 8.30pm |
| Excel | Graheme Fry | 6288 3138 | All days | 7.30pm - 8.30pm |
| Flight Simulation | Roger Lowery *lowery@pcug.org.au* | 6258 1583 | All days | Anytime |
| Free Agent / Agent Newsreading | Allan Mikkelsen | 6278 3164 | All days | Noon - 9.00pm |
| Front Page | Peter Tilbrook *webmaster@dynamite.com.au* | 6242 8696 | All days | Anytime |
| General Help | Brian Gosling | 6259 1116 | All days | 7.30pm - 8.30pm |
| GEOS/GeoWorks | Phil Jones | 6288 5288 | All days | 6.00pm - 10.00pm |
| Hardware | Anthony Glenn | 6288 8332 | All days | Anytime |
| HDK | Lis Shelley *lis@nullarbor.com.au* | | | |
| HDK | Ivana Leonard | 6231 4169 | Mon - Thu | 7.00pm - 9.00pm |
| Internet Explorer (Microsoft) | Peter Tilbrook *webmaster@dynamite.com.au* | 6242 8696 | All days | Anytime |
| Internet (Netscape, Eudora) | Carolyn Simpson *ryn@effect.net.au* | 6241 0705 | All days | Anytime |
| ISR CADDSMAN Modeller (Win) | Neil Moffat | 6292 7108 | All days | Noon - 10.00pm |
| Lotus Ami Pro 3 / Word Pro 96 ed | Peter Tilbrook *webmaster@dynamite.com.au* | 6242 8696 | All days | Anytime |
| Microstation Cad | Andrew Novinc | 6258 1907 | All days | 6.00pm - 10.00pm |
| Midi | Peter van Runt | 6288 5556 | Mon - Fri<br>Weekends | All day<br>12noon - 8pm |
| Modem Communications | Michael Phillips * | 6281 1980 or | All days | 7.30pm - 8.30pm |
| Noteworthy Composer | Andrew Purdam *apurdam@pcug.org.au* | 6230 2231 | All days | Anytime |
| OS/2 | Andrew Acton *aacton@pcug.org.au* | 6293 1684 | All days | 9am-9pm |
| OS/2 | Dave Thrum *davet@ozemail.com.au* | 6201 8806 | Mon-Fri | 8am-6pm |
| OS/2 | Michael Lightfoot * | 6258 8185 | All days | 7.30pm - 9.30pm |
| Scream Tracker 3 (3SM) / MOD Music | Chris Collins | 6258 8276 | Mon - Fri | 7.30pm - 9.00pm |
| Small Business Computing | Nick Thomson | 6241 3239 | Mon - Thu | 7.30pm - 9.30pm |
| SuperBase | Paul Blair | 6288 3584 | All days | 7.30pm - 9.30pm |
| Telix | Michael Phillips * | 6281 1980 | All days | 7.30pm - 8.30pm |
| SCO Unix & Xenix | Jeremy Bishop | 6291 0478 | All days | 7.00pm - 9.00pm |
| Unix | Michael Lightfoot * | 6258 8185 | All days | 7.30pm - 9.30pm |
| Turbo Pascal | Michael Phillips * | 6281 1980 | All days | 7.30pm - 8.30pm |
| WinBBS Australia | Peter Tilbrook *webmaster@dynamite.com.au* | 6242 8696 | All days | Anytime |
| Windows 95 | Graeme Challinor *gchallin@pcug.org.au* | 6236 8166 | All days | 10.00am - 4.00pm |
| Windows 95 (basic help) | Carolyn Simpson *ryn@effect.net.au* | 6241 0705 | All days | Anytime |
| Word 6 & 7 (Mac or PC) | Carolyn Simpson *ryn@effect.net.au* | 6241 0705 | All days | Anytime |
| Word for Windows | Lis Shelley *lis@nullarbor.com.au* | | | |
| WordPerfect 5.1 DOS, 6.1 Win | Gayle Scott *gayles@pcug.org.au* | 6254 1579 | All days | 7.30pm - 9.30pm |
| WordPerfect for Windows | Peter Tilbrook *webmaster@dynamite.com.au* | 6242 8696 | All days | Anytime |
| WordStar | Dave Hay | 6258 7310 | All days | 7.00pm - 9.00pm |

# December 1997

| *Monday* | *Tuesday* | *Wednesday* | *Thursday* | *Friday* | *Saturday* | *Sunday* |
|---|---|---|---|---|---|---|
| Internet Day-time Demo and Discussion SIG<br>PCUG Centre<br>*10.00-2.00*<br>New Members' Night<br>PCUG Centre .<br>*7.30pm* .<br>**1** | **BRING & BUY**<br>Albert Hall<br>*7.30pm*<br>*Santa's Coming!!*<br>**2** | **3** | Internet SIG<br>PCUG Centre<br>*7.30pm*<br>**4** | Sixteen Bits Commercial Ad deadline for December<br>**5** | Internet Clinic<br>PCUG Centre<br>9.30-1.00pm<br>Layout Day for 16Bits<br>*10.00am*<br>**6** | TRAINING DAY<br>PCUG Centre<br>*9.30am*<br>C Programming Introduction<br>**7** |
| **8** | Coffee and Chat<br>PCUG Centre<br>*10.00am*<br>C /C++ SIG ,<br>PCUG Centre<br>*7.30pm*<br>**9** | **10** | **11** | **12** | TRAINING DAY<br>PCUG Centre<br>*9.30am*<br>MS Win 95 Introduction<br>**13** | TRAINING DAY<br>PCUG Centre<br>*9.30am*<br>C Programming Intermediate<br>**14** |
| Internet Day-time Demo and Discussion SIG<br>PCUG Centre<br>*10.00-2.00*<br>**15** | Delphi SIG<br>PCUG Centre<br>*7.30pm*<br>**16** | Committee Meeting<br>PCUG Centre<br>*7.30pm*<br>**17** | OS/2 SIG<br>IBM Building<br>8 Brisbane Ave<br>Barton<br>*7.00 for 7.30pm*<br>**18** | Sixteen Bits Article deadline for January<br>**19** | Internet Clinic<br>9.30-1.00pm<br>TRAINING DAY<br>*9.30am*<br>Introduction to the Inter-net<br>**20** | **Reserved**<br>**21** |
| 16 Bits Stuffing and Mailing<br>PCUG Centre<br>5 *00pm*<br>**22** | Coffee and Chat<br>PCUG Centre<br>*10.00am*<br>**23** | **24** | **25** | **26** | **Closed**<br>**27** | **Closed**<br>**28** |
| **29** | Coffee and Chat<br>PCUG Centre<br>*10.00am*<br>**30** | **31** | | | TRAINING DAY<br>PCUG Centre<br>*9.30am*<br>Introduction to Win 95 | TRAINING DAY<br>PCUG Centre<br>*9.30am*<br>M.Y.O.B. |