



# Penrith Valley Seniors Computing Club Inc

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Editor Tom Lehane

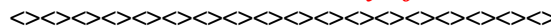
June 2007

President: George Bell	Tel: 4721 3681	Member: Pat Mitchell	Tel: 4735 3344
Vice-President: Alan Lees	Tel: 4736 5541	Member: Anne Roddick	Tel: 4721 4343
Secretary: Zillah Warner	Tel: 4732 4248	Member: John Windle	Tel 4731 2149
Treasurer: Bert Foster	Tel: 4754 3008	Webmaster: Tom Lehane	Tel: 4721 5375
Social Committee: Pat Mitchell, Zillah Warner, Anne Roddick			

Visit the clubs web page for training courses ..... [www.users.on.net/pvscc/training.htm](http://www.users.on.net/pvscc/training.htm)

Weekly Schedule for Computer Courses	
<b>Mondays 9.30am to 11am Beginners &amp; Do your own thing.</b> <b>Tutor: Zillah Warner</b> ◇◇◇◇◇◇◇◇ <b>11.00 am to 12.30 pm Graphics. Tutor: Zillah Warner</b>	<b>Tuesdays 9.30am to 11am Beginners &amp; Do your own thing</b> <b>Tutor Bert Foster</b> ◇◇◇◇◇◇◇◇
<b>Wednesdays 9.30am to 11am Using the Software.</b> <b>Tutor: Tom Lehane</b> ◇◇◇◇◇◇◇◇ <b>1pm to 2.30pm Memories to TV. Tutor John Windle</b>	<b>Thursdays: 9.30am to 11am Beginners and Do your own thing.</b> <b>Tutors Pat Mitchell , Clare Dixon &amp; Zillah Warner</b>
<b>Fridays: 9.30am to 11am Beginners &amp; Do your own thing.</b> <b>Tutor Alan Lees and John Windle</b>	<b>'Do your own thing' means learn Word, Publisher, Excel or browse the Internet.</b>

*Please note: Wednesday afternoon classes on the 2<sup>nd</sup> Wednesday of each month are closed.*



Technology is moving faster than ever before, every day a new mobile phone or recording system appears on the market. When I started work in the mid 1950s the telephone network in an office required an operator to plug the in coming call to the sales office or enquiries. Today a computer handles this operation in a large office, much to the annoyance of the caller.



The VHS video recorder was launched in late 1976 and by 1990 was the standard format for recording and viewing. By 2003 it started to fall in favour of DVD disc. So it's had a duration of 27 years.

With DVDs technology the life span appears shorter. First it was single layer disc with 4.7 GB of storage then within a short time dual layer disc appeared with a storage data space of 8.5 GB.

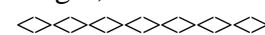
A new format is starting to appear, Blu-Ray DVDs.

The name **Blu-ray** Disc is derived from the **blue-violet** laser used to read and write this type of disc. Because of its shorter wavelength (405 nm),

substantially more data can be stored on a Blu-ray Disc than on the standard DVD format, which uses a **red**, 650 nm laser. A Blu-ray Disc can store 25 GB on each layer, as opposed to a DVD's 4.7 GB.

(A (nm) nanometre is a unit of length in the metric system, equal to one thousand-millionth of a metre). So a Blu-ray DVD disc having shorter or narrow wave length which can pack more data to a given disc area.

According to the Blu-ray Disc specification read and writes speeds will be 2x (72Mbps). This is mainly due to the very narrow wave length of the blue laser. The light from a CD laser is 780nm (nanometers). So the wave length is longer /wider and less data can be stored on a CD. Due to the longer or wider wave length, faster read and write speeds can be achieved.



I have been asked many times, "what is the best burn speed for CDs and DVDs"?

Nobody likes waiting around for a disc to burn.

Unfortunately, going as fast as you can isn't always the best strategy and it depends on you're burner; the latest CD/DVD combination burners will burn a CD at 52x and a DVD at 16x.

To burn at these speeds requires a good quality disc. Remember burning at the fastest speed the disc spins at a higher RPM, (**R**evolutions **P**er **M**inute). Cheaper quality CDs and DVDs may cause out of balance vibrations, resulting in burn problem.



