

GOOD QUESTION!

Kwantlen College Computing Newsletter

IN THIS ISSUE:

KCnet Internet Connection - How Fast? 1

What's New in Borland Software?..... 2

Our New Look..... 2

Word for Windows Tip 2

College Phonebook 2

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Dial-up to KCnet (1200 to 14,400):

599-2112 (6 lines)

599-2700 (1 line)

244-8627 (1 line)

KCnet Internet Connection - How Fast?

Over the past year, the College has experienced tremendous growth in the utilization of Internet services, such as KCgopher, Electronic Mail, and File Transfer Protocol (FTP). As of August '94, in order to provide the most effective service to the college community, the Internet

Bandwidth increases from 9600...to 14,400

connection bandwidth was increased from 9600 baud without data compression, to 14,400 baud with data compression. To put this in perspective, it would take fourteen seconds to transfer a four-page email message at 2400 baud, versus three seconds at 14,400 baud. (See figure 1 for speed comparison.) For the purposes of this article 1 baud is

equivalent to 1 bit-per-second. To further illustrate the benefit of the increased bandwidth, 14,400 baud is six times faster than 2400 baud as (shown in figure 1). This means that the time needed to transfer many large files (QuickTime videos for example) can be reduced from one hour to ten minutes. Add to this a 4:1 compression ratio, and you reduce the transfer time from ten minutes to 1.4 minutes. However, even at these speeds (see figure 2), it is still impractical to transfer larger files on the network. For example, if you collect an Internet video file, you will wait over two hours at 14,400 baud, as well as degrade the service on the college network. However, everything is relative. One can transfer medium size files during non-peak hours over the Internet at 14,400 baud because it is quick, inexpensive, and reliable.

Salim Shivji

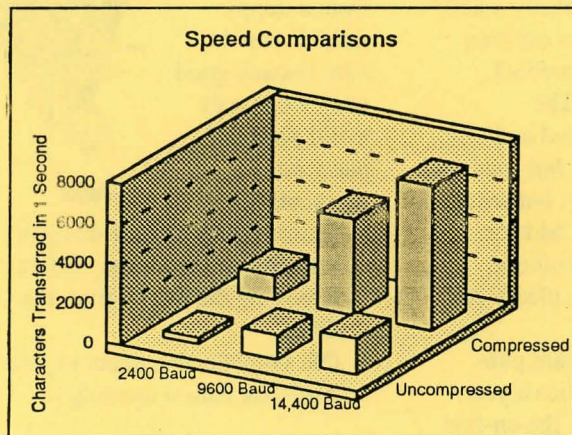


FIGURE 1

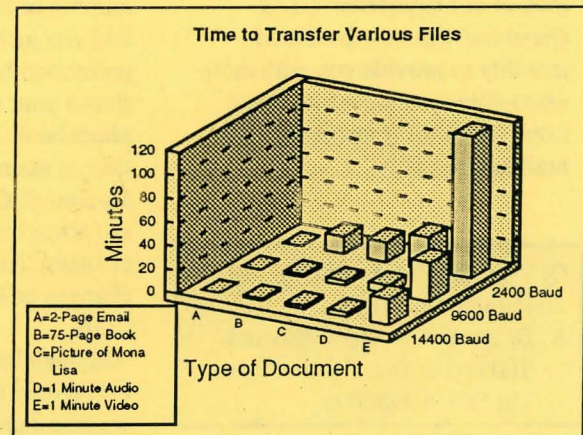


FIGURE 2

What's New in Borland Software?

Kwantlen College currently has a site license for the following Borland software. If you would like the disks for any of the software please call 2116 to request an order form. Please allow a few weeks for delivery of some of the less popular software.

Software Name	Version	Software Name	Version
Borland C++ for DOS, Windows *	4.0	Paradox	4.5
Borland C++ for OS/2	1.0	Paradox Engine	2.0
Borland Pascal with Objects	7.0	Paradox Engine & Dbase Framework	3.0
Brief for DOS	3.1	Paradox for Windows	5.0
Brief for OS/2	3.1	Paradox SQL Link	n/a
dBase IV+ for WINDOWS *	5.0	ProtoGen C and ObjectWindows Code Generator	2.2
dBase IV for DOS	1.5	Quattro Pro for DOS	5.0
dBase IV for DOS	2.0	Quattro Pro for Windows	5.0
dBase IV for DOS Compiler	2.0	Reflex	2.0
dBase IV Productivity Pack	2.0	ReportSmith for P.C. Databases	2.0
dBase Compiler for DOS	1.0	Sidekick for Windows	1.0
dBrief	3.1	Sprint	1.0
ObjectVision	2.0	Superkey	1.16
ObjectVision	2.1	Turbo C++ for Windows	3.1
ObjectVision for OS/2	2.0	Turbo Debugger & Tools	2.0
ObjectVision Pro	2.1	Turbo Pascal	7.0
* Available on CD-ROM - (Loan only)		Turbo Pascal for Windows	1.5

Our New Look

Do you like it? You may have noticed that we have changed the look of our newsletter. *Good Question!* will now be issued monthly to provide you with more up-to-date systems information. Look for *Good Question!* in your mailbox, monthly.

Q: Why didn't Intel call the Pentium the 586?

A: Because they added 486 and 100 on the first Pentium and got 585.999983605.

College Phonebook

Is your name misspelled in the College Phonebook? Is your office number or local incorrectly listed? Did you just receive an exciting promotion but the phonebook shows your old title? The phonebook, both printed and on-line, is maintained by *Information Systems & Computing*, but we are not always notified of adds or changes. To advise us of any changes or omissions, please call 2116.

Although hard copies are published only once or twice a year, we continually update the on-line database.

Word for Windows Tip

Do you sometimes open a document from a floppy disk? If you do, here is some good advice that will avoid potential nasty error messages:



- Close any documents that you opened from the floppy before removing the floppy from the drive.
- OR, copy the document to your hard disk before opening it.