

# DOUBLE CLICK

A Monthly Publication of Macintosh Users East (MaUse)

October 1992

## From The Editor

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### This Months Meeting October 28

This months meeting will be on Wednesday, October 28/92, at our regular location, St. Thomas Church, in Brooklin. A map showing the location of the church can be found on page 8 of this publication.

### A Message From The President

Jim Foster has written two articles in this months Double Click to keep us up to date on recent MaUse club developments and "CD Rom Basics"

### BBS Talk

Justin Derrick, our new Electronic Bulletin Board administrator (BBS), talks

about BBS's in general and our new BBS specifically. Our new BBS has a true Mac graphical interface and much improved performance. All articles appearing in this months Double Click were transferred from the Authors to the Double Click editing desk via our new BBS.

### System 7.1 Release

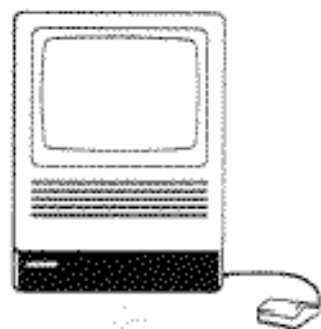
Details on the new 7.1 system release by Apple Canada appear on pages six and seven.

### Networking

Mr. Ken Hoik of Compute will make a presentation at this months meeting on networking. Ken's theme: "All network and no netplan makes Mac a dull computer"

# MaUse

Macintosh Users East



## Executive Contact List

Please feel free to contact any of the following individuals if you have comments or questions relating to Macintosh Users East or Macintosh computing in general.

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## Prez' Message

### BBS News

Those of you in attendance at last month's meeting know that we are in the process of creating a new Bulletin Board System. The Executive have been thrashing it regularly and it is almost ready for full release. A number of members have indicated significant interest in seeing it demonstrated. Therefore, following the main presentation at our October meeting, and time permitting, Justin Derrick has agreed to give a special 'pre-release' demonstration of the new BBS to interested attendees.

Current plans are to structure various announcement activities for the new BBS in November, including more complete coverage of its features in the November Double-Click and at the November meeting.

The CD-ROM is now attached to the board and makes available over a Gigabyte of downloadable shareware and freeware files. While access to the BBS will be free to MaUsE members and the general public, there will be an annual charge of \$20 (over and above normal MaUsE membership dues) to MaUsE members who wish to access the CD-ROM or a charge of \$40 to access the CD-ROM if one is not a member of MaUsE. These charges are necessary in order to recoup our investment in the CD-ROM hardware.

### Apple User Group TV News

I personally have had no luck in making it possible for attendees at our October 28th membership meeting to also see

the Apple USA User Group Television satellite broadcast being beamed across North America that same evening. Officially, we will have to await receipt of the Apple Videotape which will come a month or so later and which will contain highlights of the evening's broadcast.

However, word has it that not everyone on the MaUsE Executive has given up on the prospect of arranging for a live feed of the TV broadcast. In case a last minute solution to the dilemma is found, be aware that the broadcast starts at 9:00 PM our time and lasts for 90 minutes. That means you could be out a little later than you are for a normal meeting.

### Elections News

To date, we have had no nominations or self-nominations for Elected, non-Elected, or voluntary positions for the MaUsE Executive for next year. Just a reminder that nominations will be invited again at the October meeting. Please think about getting involved.

### Performa Non-News

At the last meeting, we distributed some literature from Apple on the new line of Performa Macintosh's which have recently been introduced in the U.S. This month, in Apple Canada's User Group mailing, came news that Apple Canada does not currently have any plan to introduce these Performa models in Canada.

(continued on page 2)



# COMPUTE

## MAKING TECHNOLOGY WORK

Your Apple Macintosh Dealer In Durham Region  
333 King Street West  
Oshawa, Ontario Ph: 433-7033

BBS Talk

By: Justin Derrick

Apple Canada indicates that they are following closely the results of the U.S. experience. To quote Judy Young of Apple, "We at Apple Canada support the concept of a complete solution package for the first time buyer, but wish to evaluate how best to develop and distribute the right consumer-oriented programme for Canada."

Sorry if we confused anyone at the September meeting.

Other Stuff

Included also in this month's Apple Canada User Group mailing package: the Apple TechBeat Magazine for August/September, the September '92 User Group VideoTape (come to the October meeting for details on its contents and how you can borrow the tape), an awesome Multimedia Catalogue, and a special offer to User Groups for Apple Canada's Information Source CD.

Hope to see lots of you out at the October 28th meeting!!

Jim Foster

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As you have probably heard by now, MacIsE is in the midst of setting up a new BBS for its users, and the public at large. There are many subjects and angles to observe when talking about BBS's, and I'd like to start writing about them on a monthly basis. Monthly articles will include the basics for telecommunications on any computer, then moving specifically to Macintosh, and then even more specifically, our BBS as it applies to you. I hope that this column will be interesting for new users, and a quick refresher course for those who have used this fascinating method of communication.

This is the structure I'd like to follow for the months to come.

Beginning... What you need.

- Hardware
- Software
- Modem specific topics

Getting On-Line... What to do.

- Dialing & Connecting
- Using text interfaces
- Disconnecting
- Connection Troubleshooting.

FirstClass... The next generation.

- What FirstClass does
- How to connect to MacIsE BBS
- What you can do
- What it all means

In the Beginning... (There was Macintosh.)

When the designers at Apple created Macintosh, they gave it something to let it communicate with the outside world, namely serial ports. The two ports have a distinct purpose. A printer port to communicate with the printer, and a modem port for (you guessed it), communicating with modems, which, in turn transmit analog (non-digital) signals over common phone lines. In order for a modem to work, there has to be a similarly equipped modem connected to the number you are calling. Now, you have the hardware to communicate. Now all you need is software to drive both the serial port and the modem (as well as all modem-type functions).

Software. In order to use your modem port, and the modem connected to it, you will need a terminal program. Terminal programs can vary from simple to uncomfortably complex.

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But, they all perform one purpose, and that is to let you use your Mac to reach out and talk to other computers through your phone line. For now, we will simply talk about terminal programs in a generic way. (Special software, like FirstClass Client will be explained in detail later on.) Your software has a variety of functions to keep itself busy. Your first priority is giving commands to the modem, while it is in an offline state (not communicating with any other computer). Examples of common commands are 'ATZ' - reset the modem; 'ATA' - answer the phone immediately; as well as performing functions such as dialing, auto-answering, and defining how your modem should behave. Secondly, your terminal software should let you emulate (imitate) other brands of computers, so you can talk to a variety of different brands and types of computers. Thirdly, the software should let you transfer (exchange, upload, download) files between computers. How your software does this is very heavily standardized, but how you tell your software to do it is usually individualized. Check your manuals for special instructions.

**Modems.** Now, once you have your Mac and your software set-up, you need to think about your modem. How fast is it? Does it have extra features like data-compression, error correction, or even a FAX machine built in? What type of cable does it need? And if you don't have a modem, the big question is, What should I buy, and how much should I pay? In order to answer these questions, you need to know a little about modems. \*All modems will communicate with each other (regardless of brand name) at or below 2400 baud. \*Most modems for Macs are external, if someone tries to sell you an internal modem, make sure you're not getting one for an PC. (Dove is the only company I know of to make and offer internal Mac modems on any large scale.) \*In order to go above 2400 baud (eg 4800, 9600, 14.4K, 19.2K) you will need a reasonably fast computer (SE or better) as well as a hard drive, and special cabling. \*The jump from 2400 to 9600 is as big in speed as it is in price. (2400's can go for \$99 USD, where a 9600 baud Faxmodem with software can easily cost over \$500) Communication protocols are methods of coding data for transmission over phone lines. V.32 is now the standard 9600 baud protocol. If your modem has v.32, you can communicate with other v.32 modems at 9600 baud. If the other modem does

NOT support a compatible high-speed protocol, you will usually 'fall back' to 2400 baud. Please see that chart regarding different protocol speeds, as well as connectibility of the different protocols.

Modems in general are a very large and sometimes confusing subject. For more information, or answers to questions you may have, please contact Justin Derrick or Administrator on MaUsE BBS. Several text files are available to help explain the difference between and reasons for modem compatibility.

### Getting On-Line...

Once you have your Mac, your software and your modem working, you are ready to make a call to a local BBS. There are several BBS's around town, and each has their own particular theme, or most significant subject. For this exercise, the BBS that you are calling is really not important. Using your terminal software, enter the phone number and dial it. If you aren't familiar with your terminal program, you can type `aid` (T for tone, P for pulse) phone-number. (Eg `aidt 7235361` or `aidp 1-416-723-5361` --either format works, if you are calling long-distance, you will need the 1-416). The speaker should come on, and you can listen to the call. If the line is not busy, and the modem on the other end is ready, it will pick up the phone and negotiate. Negotiating is the screeching noise you hear when the other modem picks up the phone. The modems are communicating, and basically deciding how they will communicate. (See Modem compatibility chart for more info.) If your modems can establish a link, you will see a connect message, stating your connection speed, and any special communication protocols that are being used. Everything that you type from now on will be transmitted to the other computer. Now you're ready to begin BBSing.

1 Much like PC's, everything that you will want to do will have to be expressed through the keyboard. Normally, you will be asked to register, that is, answer questions in an electronic application form to gain access to the message bases and other functions available to the BBS. After you apply, most BBS's will give you immediate access to some functions of the BBS. In most cases, to receive help, or a menu, type '?' or the word 'help'. This will lead you through a series of

menus, each containing the options that are available for you to use. With some time, you will be able to navigate somewhat quickly around the different parts of the BBS.

**Disconnecting.** Disconnecting is a somewhat simple idea. After you have finished your business on the BBS, you must ask the BBS to leave. This prepares the BBS for disconnection, and closes any files that you may be accessing. If you turn your modem off, you could possibly be hanging (rendering unuseable by other users) the BBS, because the computer does not realize that you are not there. (This is an obscure case. Most BBS modem cables now have wiring to prevent this problem.

**Connection Problems.** Connecting is the act of establishing a carrier, or in other words, getting your modem to talk to another. Problems you can experience are often small, but can lead to big troubles. \*Inability to establish carrier - The modem displays "NO CARRIER" after a few seconds of dialing. This can mean a few things. It can mean that there was no answer by the host computer, a person (voice) answered the phone, or simple failure to connect. If there was no answer from the host computer, a few things can be assumed, a) you've dialed the wrong number b) the BBS is resetting (BBS's often take a few seconds after a person logs off to clean up) or possibly even down (BBS programs do crash, although we don't like to believe it. If you are having troubles, it can be a good idea to call the SysOp (System operator) of the BBS, or another user. These people are familiar with the system, and can tell you their set-ups. \*Constant 'dropped' carrier. 'Dropping' carrier, is like stopping talking in the middle of a conversation, if the phone line is interrupted, or the power to the modem is disconnected, the modems will lose carrier. This can be caused by poor telephone lines, and most noticeably, other people picking up the phone when you are communicating over a modem. (Try it some time. It is not destructive, just make sure that a sudden flow of garbage characters would not affect your data.)

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If you're still having troubles, try moving to a slower baud. Connections become more fragile to noise the faster speed you are going. Keep in mind that some BBS's do not allow users to log on at 300 baud anymore.

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## CD-ROM Basics

.....in which the Prez reveals some interesting aspects of getting one's feet wet in the ocean of data becoming available on CD-ROM disks for Macintosh computer users.....

### Introduction

As outlined at last month's membership meeting, our visit to MacWorld in Toronto saw us purchase a NEC CD-ROM Reader with the thought in mind that it would be used in conjunction with our new FirstClass BBS system. While waiting for our BBS Administrator, Justin Derrick, to give the go-ahead for installing this unit onto the BBS Macintosh, I had the opportunity to experiment and generally play around with the CD Player for a few days. Overall, I was pretty impressed with the possibilities and now actually feel that I could justify buying another CD Player for my own personal use. Here's why:

### Types of Information

The NEC unit we bought included 7 CD's covering a wide spectrum of interests. These included the Grolier Encyclopedia, a World Atlas, a Ludwig Van Beethoven symphony, a chronicle of the Gulf War, a children's storybook, and other items. In addition to these CD's, I also finally had the opportunity to review the growing number of CD's which have accumulated in the MaUsE library from Apple Canada and other Vendors.

Together with the most impressive variety of CD titles which were available for purchase at MacWorld, it is clear that CD's have a terrific potential to expand the scope and diversity of activities in which Macintosh computer users can become involved.

The NEC CD Gallery package also includes a set of Speakers and a set of Earphones. In case you didn't know, a Macintosh CD Player can be used to play normal audio CD's. Unfortunately, the reverse is not true. The CD Player has an

audio out jack, to which you attach the speakers or earphones. CD audio does NOT play through the Macintosh speaker system. Using the handy CD Player desk accessory that comes with the NEC software, one can use the Macintosh to actuate the CD Player with an audio CD, then Quit out of the Desk Accessory and proceed to do your normal Mac work while listening to your favourite CD!

### What's Needed

I had previously thought of CD's as just very large diskettes, and ones which you read but to which you could not write. I knew that CD Players were SCSI devices so that meant that you needed a Mac Plus or newer to run one. Other than that, however, I presumed that there were not too many special hardware or software requirements in order to get involved with CD's.

I now realize that, while this is pretty much true, there can be some surprises.

For instance, a number of the CD's require the user to first install some type of software on their hard drive. For example, if the CD consists of one or more large HyperCard stacks, then one must have enough room to install the HyperCard application on one's hard drive or you won't be able to read the stacks.

Secondly, while CD's can be ideal devices for storing large files, they are sometimes not the most appropriate media from which to read the files. Some QuickTime Movies or large graphics files perform better if they are first copied from the CD onto a hard drive and then opened from the hard drive.

One of the CD's I got with this player requires about 10 Megabytes of free space on the user's hard drive in order to properly perform!

So I would highly recommend that one have plenty of hard drive space available before running out to buy a CD-ROM Player, or at the very least have a clear understanding of exactly what one intends to do with the CD system.

### Performance

CD Player review articles and advertisements seem to hype the response time and/or data transfer speed ratings of CD mechanisms. Knowing that the CD unit I had purchased was not the very fastest, I wondered if I would notice any problems in comparison to running files from my hard drive. I also wondered if it would take a long time to open windows in the Finder because the list of files inside

folders was so long.

My experience shows that this is not a problem. There are some types of files, like the QuickTime Movies mentioned earlier, which probably are better handled from a hard drive than from a CD Player, but overall I didn't notice any problems within applications. At the Finder, I similarly didn't really notice any problems. Part of this may, however, be because of excellent organization of files on the CD's so that no one window has a huge number of files listed.

### Cost

CD Players and discs are still perceived as a little expensive. I got a pretty good deal, I think, on the NEC CDR-37 Gallery package for \$520 Canadian at MacWorld. The prices of individual CD's themselves vary a great deal depending on the subject. Some spokespeople at MacWorld argued that the prices of CD's and CD Players had pretty well hit the bottom and would not decline significantly more over the next year. On the other hand, Apple and other computer manufacturers are on the verge of incorporating CD-ROM units into their computer models and I personally think that this will lead to reduced prices over the next year. Everyone is entitled to their opinion...yours is probably as good as mine.

### TidBIT's

Before wrapping up, I will pass on a final technical tidbit. I had wondered, before setting up the CD unit, whether my System 7 Macintosh was going to attempt to rebuild the Desktop on some of the CD's which were manufactured before System 7 came into existence. If so, I further wondered, where was the Macintosh going to write the Desktop DB and Desktop DF files when everyone knows you can't write to a CD?

Well, sure enough, several of the CD's invoked the desktop rebuilding process on my Macintosh. This is one aspect of CD'ing on a System 7 Macintosh Plus which DOES take a long time. There is a lot of disk space on a CD to be catalogued. But, once this is done, the CD works just fine. Knowing that the Mac couldn't be writing the Desktop files to the CD itself, I wondered if that would mean that there would be another long Desktop rebuilding wait each time I reloaded a particular CD. I found that this did not happen, i.e. once the CD Desktop was rebuilt one time, I could change CD's, bring the first CD  
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back, and mount it a second time without seeing the Desktop rebuilt another time. Where are those rascally Desktop files, I wondered....

To fill you in, I discovered that the Macintosh puts these files into the Preferences Folder inside the System Folder on your Macintosh's hard drive. The files are labelled "Desktop DB..." and "Desktop DF..." where the dots are replaced by the name of the CD. These files can be quite large (eg., over 100 K) so, if you were to run a lot of different CD's through your Player with no intention of ever using some of them again, you really should open your Preferences Folder and trash the unneeded files or you'll be wondering where all your hard drive space went.

**Conclusion**

Well, that's a little about my 3 days with our new CD Player. 3 days because that's about all the time it took for Justin to come and scoop it away for the board. I was impressed (with the CD-Player, not with Justin!).

Don't know what to ask your spouse to buy you for Xmax? How 'bout a CD-Player for your Mac?

by Jim Foster

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**FOR IMMEDIATE  
RELEASE  
Apple Canada Ships  
System 7.1**

With the incorporation of WorldScript, the Macintosh is Now World-Ready

MARKHAM, Ontario—October 19, 1992—Apple Canada Inc. today announced it is shipping Version 7.1 of the widely acclaimed System 7™ operating system for the Apple® Macintosh™ personal computer. System 7.1 incorporates Apple's WorldScript™ technology, which enables Apple to offer System 7 for the first time to customers in Japan, China and other Asian countries with "double-byte" languages, whose large character sets require two bytes of the computer's memory to address each character.

Because WorldScript provides the

Macintosh system software with inherent support for virtually every written language. Apple is now able to quickly localize the Macintosh computer for non-Roman languages, affording nearly simultaneous delivery of computer products throughout most parts of the world. Previously, Apple, like other personal computer companies, has had to re-engineer the system software to support these languages, causing a time-lag between introduction of a new Macintosh computer in the Americas or Western Europe, and that same computer in Asia, Africa or Eastern Europe. With the release of System 7.1, Apple can ship Macintosh computers with the same system-software architecture anywhere in the world, after making what are now routine software changes for language-specific support.

"The emergence of the Macintosh computer as the only world-ready personal computer system parallels Apple's emergence as a truly global company with customers throughout the world," said Chip Graham, group product marketing manager, Apple Canada. "As an international company, Apple must strive to provide equal consideration to many markets worldwide.

"At the same time, many of our customers are themselves part of global organizations — multinational businesses, government and private agencies, universities — and require Macintosh computers in many different languages, all running the same version of system software. We're delighted that we can meet these customers' needs," Graham concluded.

The new ease-of-localization for the Macintosh computer will also provide software developers with greater access to a worldwide market. One software architecture for all languages reduces the cost and development time for developing applications for a wider range of languages. Apple expects this to result in the availability of higher quality applications in many new markets, as developers are able to steer resources away from time-consuming localization and toward enhancement of the applications' features.

**Other Advancements in System 7.1**

New Fonts Folder With System 7.1, Apple provides seamless type integration,

making it even easier for customers to work with multiple fonts on the Macintosh computer. The new version has a Fonts folder that contains all of a user's fonts, regardless of font format. With one location for all bitmap, TrueType and Adobe Type 1 fonts, users can quickly install or remove any font. Previously, bitmap and TrueType fonts have been stored in the System file, and Type 1 fonts have been stored separately, after being installed with Adobe Type Manager software.

Modular Support for New Macintosh Computers System 7.1 incorporates a new method for supporting new models of Macintosh computers. Until now, Apple has modified the system software each time it has released a new Macintosh model. Beginning with System 7.1, Apple will ship each new computer system with a drop-in software module that enables the currently shipping version of the operating system to automatically support that new Macintosh computer. Thus, customers and developers will no longer have to worry about testing and upgrading to a new version of the operating system every time Apple introduces a new Macintosh computer. These software modules, called "system enablers," will be subsequently rolled into the core operating system with the next major release.

TuneUp Integration Apple has integrated the System 7 TuneUp software (previously installed separately) into System 7.1, simplifying systems administration and providing greater overall system stability. The TuneUp software also improves memory management, especially in low-memory conditions. Non-networked Macintosh systems save approximately 100K - 200K of RAM.

QuickTime 1.5 Bundled QuickTime™ 1.5, also introduced today, is bundled with System 7.1 upgrade products. This latest version of QuickTime, Apple's system-software extension that manages sound, video and animation, features several enhancements, including a larger screen size for video playback; complete support for full-screen, full-motion digital video cards; fully integrated support for Kodak Photo CD; improved CD-ROM and network data handling; 1-bit fast dithering for playback on Macintosh PowerBook™ and other monochrome screens;

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generic media handlers that let developers create new movie-track types; and closed captioning.

**Enabling Multi-Language Computing** The WorldScript technology in System 7.1 provides built-in potential for multi-language computing on the Macintosh computer. As a result, software modules can be created so that a user can work in many different languages on the same computer to create multi-language documents. Apple has tested the technology with some customers and plans to offer language modules in the future.

**File Sharing** In response to customer requests, the File Sharing security feature has been made more secure, by removing "guest access" as the default setting.

**Database Access** Apple's Database Access Language (DAL) driver software has been unbundled from System 7.1, freeing up system memory, and simplifying system set-up for customers who do not require database access on servers. The DAL software will be offered in a software solution kit for end-users and in-house developers, and it will contain several network protocol adapters, a tester application, and an installation and user's guide.

**Compatibility** System 7.1 is compatible with virtually all applications that run on System 7. AppleShare™ customers using System 7.1 should upgrade to AppleShare 3.0.1. MacTCP customers using System 7.1 should upgrade to MacTCP 1.1.1.

**Pricing and Product Configurations** System 7.1 is shipping with all new Macintosh computers introduced today — Macintosh IIvi and IIvx, Macintosh Duo System™, Macintosh PowerBook 160 and 180. Over the next few weeks, it will begin shipping on all existing Macintosh models.

System 7.1 will also be available in the following software-only configurations:

**System 7.1 Update Kit** This single-user package provides the software necessary for current System 7 users to upgrade to System 7.1. It includes 1.4 MB (or 800K) system disks, a QuickTime 1.5 disk, and the System 7.1 Upgrade Guide. The System 7.1 Update Kit is available directly from Apple Canada by calling 1-800-665-2775, ext. 700. It is priced at \$49.

**System 7 Personal Upgrade Kit** This single-user package provides the software necessary for an installed-base customer to upgrade from Version 6.0x of Macintosh system software to System 7.1. The kit contains six 1.4 MB system disks, a QuickTime 1.5 disk, and a disk with the Compatibility Checker software, which customers can use to check the compatibility between System 7.1 and their current applications. The System 7 Personal Upgrade Kit also contains the Desktop Macintosh User's Guide and the System 7 Upgrade Guide. For a limited time, Apple's At Ease™ software is bundled with this upgrade kit. The System 7 Personal Upgrade Kit is available through Authorized Apple Canada Dealers for a suggested retail price of \$119.

**System 7 MultiPack** This ten-user package provides the software necessary for a customer to upgrade up to ten users from Version 6.0x of Macintosh system software to System 7.1. The MultiPack contains a CD-ROM with the 7.1 system software, in several language versions, QuickTime 1.5, the Compatibility Checker, and system enablers. The MultiPack also contains the same software on 1.4 MB floppy disks, as well as the Desktop Macintosh User's Guide, the System 7 Upgrade Guide, and the Administrator's Handbook.

The System 7 MultiPack is available in December '92 through Authorized Apple Canada Dealers for a suggested retail price of \$619.

Canadian Customers who do not have an Apple SuperDrive™ and require 800K floppy disks may call 1-800-665-2775, ext. 700 to obtain these disks from Apple at no charge, after purchasing the System 7 Personal Upgrade Kit or System 7 MultiPack.

**Volume Purchases** In January '93, Apple plans to offer a volume-purchase plan for customers with large installations of Macintosh computers.

**Apple Canada Software Answerline** The Software Answerline provides toll-free unlimited software support for customers purchasing System 7.1. As of October 19, they will receive help on installing, configuring and using their Apple system software.

To assist customers, Software Answerline provides access to experienced Apple support engineers, who are able to provide the most current information on products and customer history. Apple Canada's Software Answerline, offering support for up to the first year after the date of purchase, will operate from 8:00 A.M. to 8:00 P.M. Eastern Time, Monday to Friday (excluding major holidays).

**MEDIA INQUIRIES ONLY PLEASE:** Franca Miraglia John Elias Public Relations Manager NATIONAL Public Relations Apple Canada Inc. (416) 860-0180 (416) 513-5511

**CONSUMER INQUIRIES:** Consumers interested in receiving further information on products/issues mentioned in the release should call 1-800-668-1644 for the name of the Authorized Apple Canada Dealer in their area.

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Posted on AppleLink, path: Apple Pacific ICON Apple Canada ICON PR & Media Releases 10/19/92

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### Memo

To: All Mouse members  
Date: April 14, 1992  
Subject: Major Speakers for 1992  
From: John M. Field  
UserGroup Advertising

### October 28, 1992

Speaker: Mr. Ken Holyk  
Company: Con-pute  
Subject: Networking

### November 25, 1992

Speaker: N/A  
Company: N/A  
Subject: Executive Elections and Preview of Games for Xmas

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## About Double-Click

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Macintosh News Service

Double-Click is produced monthly, where possible, by and for members of Macintosh Users East (MaUsE), an Apple Macintosh Computer Users' Group serving the Durham Region & environs, for the purposes stated in its constitution. There is no charge for this publication. Articles published in Double-Click may be reproduced for non-commercial purposes by other Macintosh User Groups or interested parties without prior permission. Any other reproduction of any part of this newsletter requires the written permission of the author(s).

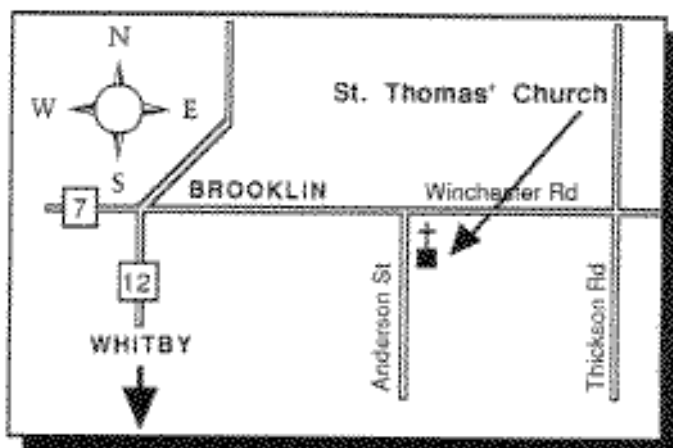
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### Typefaces:

Headers are set in Helvetica  
Body type is set in Times

## MaUse Meeting Location & Schedule



Members of the general public, guests of MaUsE members, and all regular MaUsE members are invited to attend any of MaUsE's membership or Executive meetings. It is NOT necessary to bring your Macintosh with you...all that's required is an interest in Macintosh computing.

Listed at right is the schedule for 1992. Membership meetings are generally held at St. Thomas' Church in Brooklyn (see map above) starting at 7:30PM. Shareware disk sales begin at 7:00PM. Executive meeting locations vary...call ahead to confirm exact locations/times.

Month	Exec Mtg	Member Mtg
September	10th	23rd
October	8th	28th
November	5th	25th
December	3rd	None
January	7th	27th
February	4th	24th
March	4th	24th
April	1st	28th
May	6th	26th
June	3rd	23rd
July	1st	28th
August	5th	25th
September	2nd	22nd

## Acknowledgements

MaUsE is a member of MNS, the Macintosh News Service, which acts to distribute information/articles between Mac User Groups in North America. Various articles in Double-Click are provided courtesy of MNS and its Corporate sponsors.

America Online is this month's MNS Sponsor. The Executive of MaUsE and Double-Click Editor thank America Online for providing this service. We encourage MaUsE members to advocate the products/services of MNS Sponsors.

Each month's MNS disk becomes a part of our MaUsE Public Domain software library and members are welcome to see Bruce Cameron for copies or information regarding the contents of these MNS disks.

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