

OTTAWA PC NEWS

Vol. 9 No. 1

The Newsletter of the Ottawa PC Users Group (OPCUG)

January 1992

Chairman's Annual Report

TEAMWORK HELPS COPE WITH CHANGES

by Doug Poulter, Chairman

Tire major objective of this issue of tire newsletter is to give the membership an overview and appreciation of the executive's activities during the past year. The constitution requires the OPCUG to publish reports from the Chairman, the Treasurer and the Secretary in the January newsletter. I have attempted to cover everything in my report that isn't covered by the Treasurer's Report and Secretary's Report which appear inside. I have generally listed events in chronological order within subject area.

In the beginning...

My year as Chairman of the OPCUG began after a work-day that had extended past 4 a.m.; it was 5:30 a.m. before I made it to bed. At 8:38 a.m. the ear-piercing chirp of my Taiwanese (\$5.34 at K-Mart) telephone broke through my *deep sleep*. Eyes tightly closed against the morning sun, I pulled my numb arm out from under me and groped for the receiver. "Yes... hello ...yes..." I answered, and *became OPCUG* Chairman by acclamation.

Inter, when I regained consciousness, I mapped out my *objectives*.

First Objective, Teamwork

My first *objective was* to encourage team efforts, rather than individual efforts. I felt this would result in more stable and predictable *services* to the membership, especially in light

of inevitable staff changes. Given the high number of changes that occurred during the year, I am pleased with the stability and high-quality level of service the executive gave the membership. To the best of my *knowledge, all* membership problems from previous years have been *resolved*, and new membership problems have been less frequent. The PUB has been up without a break, except for short periods for maintenance and equipment moves. All newsletters went out on time, and producing the newsletter has become a team effort. More work is still required, however, in assembling teams to back up the *services* provided by the PUB Sysop and Newsletter Editor. All scheduled *meetings occurred*, albeit with some shuffling of speakers, but we had *crowd-pleasers* at every meeting and great door prizes. Advertising *these* events has helped *keep up* attendance. Our membership has remained steady at about 450. Over the year, the executive has become a team with a

camaraderie that is likely to continue into 1992. While some healthy dissensions occurred, the executive has become more cohesive than in recent years, and major decisions made by the executive have been implemented.

Second Objective: Promote Competition Among Suppliers

My second objective was to revise the way bulk-purchasing is handled to encourage competition, possibly by inviting other retailers to supply the group with lists of prices and services. The task now awaits a volunteer retailer-independent coordinator who would solicit standing offers which would be posted on the PUB on a monthly or weekly basis. Reviews of customer service could be done. Both group members and competitive suppliers would benefit as the group's members became better informed about products, services, support and pricing. In the meantime, the support that the Mahoneys pro

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NEXT MEETING: THURSDAY, JANUARY 30, 1992 details on p. 3

Chairman's Report

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vide is very much appreciated, but we need to further encourage others to make their price lists available at the monthly meetings, and on the PUB in the vendor area.

Third Objective: Constitution Update

My third objective was to delegate to our Past Presidents, Dave Terroux (1991) and Stu Mosley (1990), the job of further simplifying the OPCUG Constitution. While they have accepted, a draft has not yet been forth coming-keep at it, guys!

Speakers (Alias Entertainment)

Constitutionally, the Chairman is responsible for a schedule of interesting guest speakers. This requires a balance between commercial, hard sell presentations and member or non-commercial presentations. In the March newsletter, I announced the planned schedule for the rest of the year to allow the membership to plan their calendars. Much of the credit for the schedule goes to members who made suggestions and, in particular, members of the executive who provided many of the ideas.

Facilities (Alias Meeting Room Woes)

Before I took office, events forced an immediate change of priorities on me. On January 17th, the NRC cancelled our booking of their auditorium for our January 30th general meeting. Given that our membership fees were not calculated to cover room rentals at most facilities capable of handling our 150 to 400 people turnouts, alternatives were limited. After an extensive search, meetings were booked into Rideau High School until their building renovations got behind schedule, and we repeatedly found ourselves in conflict with other bookings. In the nick of time, and because of the high-tech, community-based, educational nature of our group, the Carleton Board of Education offered us Sir Robert Borden High School. We gratefully accepted. However, due to their prior commitments, our meeting night will

not become consistent until the fall of 1992. I hope everyone can attend most of our meetings despite the changes. In any case, I expect that since the majority of the membership is located towards the west end, many members will find the location the most convenient yet. (Unfortunately for me, I live in the east end.)

Membership

The acclamation of Harald Freise, as Membership Chairman, brought another team player onto the executive. Harald took a confusing set of membership records, put them into order and, via the PUB, consistently trade them available on a timely basis to the executive. The records contain valuable volunteer-interest information, and are used to produce the address labels for the newsletter. While all my fellow members serving on the group executive deserve many thanks for their dedication and effort in fulfilling their responsibilities, Harald also deserves special thanks for producing the April newsletter.

Newsletter

Bonnie Carter's illness in April resulted in her tendering her resignation as newsletter editor. Her dedication to the job made finding a single replacement editor impossible. With that in mind, I assembled the beginnings of the team which Lynda Simons now leads. Lynda and the newsletter team deserve special thanks for getting the newsletter out on time, maintaining newsletter quality and making the publication a team production.

I've noted criticisms of the newsletter. Please remember that the newsletter is what we members make it. The executive thinks it is much more important to get the newsletter out on time than to have it out late but bloop-free. If you are able to edit copy under tight time constraints, we will welcome the contribution of your critical eye to the newsletter team.

The Software Library and PUB Administration

The PUB, our electronic bulletin board system, is to many, the major

asset of the group. The Sysop has many duties which include a member relations role, checking if uploaded files are complete, eligible, virus free, and then classifying and organizing those files. Other tasks include adding and deleting users; installing, customizing and maintaining our TBBS software; and making backups of our total system. Chris Taylor was doing all this, maintaining the diskette-based software library, and assembling the very popular disk-of-the-month. A71 this was too much for one person, and just as I was about to take office, PUB operations were spun off to Jean Fortier. Jean kept the PUB up and running despite a number of personal crises, and three changes of home address. The fact that he had all time to devote to the PUB through packing, unpacking and repacking, over and over is surprising, and showed dedication. A point of friction occurred, however, at the end of August when the executive voted to move the group's 386SX PC, along with the HP laser printer, away from the Fortier/Carter residence. The equipment had been purchased for putting out the newsletter during Bonnie's term as editor. Now that Bonnie was no longer editor, the vote was to move the equipment from the Fortier/Carter residence to locations more convenient for the use of current newsletter team members. Approximately a month after the move of the equipment, a note of resignation from Jean appeared on the PUB. By this time I had already indicated my intent to step down into the role of past President and Chris Taylor had decided to run as Chairman, and so had been in the process of finding a replacement for his Software Librarian duties. Jean's resignation speeded up the process. Norm Dafoe took over as Software Librarian, so Chris was able to step back into the role of Sysop, but had to relinquish his desire to be Chairman for now. This last move of the PUB represented the fifth move in 12 months, and the re-

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January Meeting: Folio VIEWS, Mark Minasi, Elections, Survey Draw

by Lynda Simons

Folio VIEWS

The main item on the agenda at our meeting on Thursday, January 30, 1992, is Bob Acton presenting Folio VIEWS. Bob Acton calls this "full text retrieval software", but you might have heard it called an "authoring system" or a "hypertext tool" (see sidebar).

Calendar (subject to change)

Date	Location	Topic
Thurs., Jan 30	Sir Robert Borden H.S.	Folio VIEWS
Wed. Feb. 26	Sir Robert Borden H.S.	Intel
Tue., Mar. 24	Sir Robert Borden H.S.	Micrografx Symantec
Tue., Apr. 28 I	Sir Robert Borden H.S. I	

Creating "Infobases"

With *Folio VIEWS* you create an "Infobase" which can comprise one file or many. These files can be in a variety of text formats, or they can be graphics or sounds files. *Folio VIEWS* converts the text files and indexes every word. The authoring process involves choosing which units of information will be "folios" (typically a paragraph is a "folio", but it can be less or more, as you choose), and then deciding how these will be "grouped" and "linked". Once the Infobase has been created, you can search it through links, or search for words or strings, using logical operators (AND, OR, XOR, and NOT).

Three Folio programs

Authoring systems come in two parts: the creation tool and the read-

ing tool. Folio Corporation offers three packages: *Folio VIEWS*, *Folio VIEWS Personal Edition* and *Folio Runtime*. *Folio VIEWS* is the authoring package and *Folio VIEWS Personal Edition* and *Folio Runtime* are reading tools, *Personal Edition* providing some additional editing and customizing capabilities over the runtime program.

Big Name Users

Folio VIEWS didn't make it onto Byte or PC Magazine's Best of 1991 lists, but then nor did any other authoring package. It is, however, an InfoWorld recommended product and a LAN Times Readers' Choice for 1991, and, most importantly, people

- big people -are using it: Novell uses *Folio VIEWS* for the on-line help it packages with its LAN Operating System, NetWare; the publishing house, Prentice-Hall, uses *Folio VIEWS* to publish the Income Tax Act on diskette; the accounting firm, Ernst Young, uses *Folio VIEWS* in-house for storing and searching the GST legislation; and the Canadian Institute of Chartered Accountants uses *Folio VIEWS* to publish all its policy and procedures regulations.

On-line documentation on LANs

Folio VIEWS is an ideal tool for organizations using a Local Area Network. Putting documentation on-line on a LAN eliminates printing costs and makes updating documentation a one-step operation. All users automatically get the new version of the document; no user can accidentally use the old version which is either edited or removed from the LAN. And if the LAN Operating System is Novell's NetWare, it comes bundled with the *Folio Runtime* program.

Folio VIEWS and the individual user

For some reason, Folio Corporation doesn't seem to think individuals will be interested in using *Folio VIEWS*. I don't see why. Individuals

What is hypertext?

Folio VIEWS was reviewed in the May 28th, 1991 issue of PC Magazine (Vol. 10, No. 10, p.247) as part of a very useful article on hypertext software. The following is taken from that article.

The idea of hypertext is simple: You link related information together, regardless of its location and medium, and links lead to other links in a nearly endless chain from text to graphics to video to applications and back againHypertext is not new, nor was it originally a computer technology. An encyclopedia is really a form of hypertext. An encyclopedia contains thousands of brief, well-focused articles with lots of cross-references... You might start reading an article on horse racing, see a reference to Secretariat; go to that article, and then follow another reference to an article on Churchill DownsThe difference between an encyclopedia and a true hypertext document is the ability to make the links automatic, to have a variety of links, and to cross communication mediums.

Coming Up

Continued from previous page

use database managers and Folio *VIEWS* seems to be much easier to use than, say, dBase: Bob Acton told me that if you know ten commands, you're an advanced Folio *VIEWS* user.

The meeting presentation

There's plenty more to tell you about Folio *VIEWS* and that's what Bob Acton will do at the meeting. He's also bringing some give-aways: over 100 Comdex 1991 show catalogs and possibly a WordPerfect manual, both in Folio *VIEWS* of course!

Surprise Guest Speaker - Mark Minas!

An exciting opportunity just came OPCUG's way. Mark Minasi, writer, consultant and educator from Washington, DC, will be in Ottawa on January 30th and he has agreed to make a short presentation to the group. Mark Minasi writes a monthly

Chairman's Report

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salting line re-connection charges have cost the group about 20% of its annual membership revenue. Given Chris Taylor's record of stability, we can realistically hope that similar costs will not be incurred during 1992.

With the move of the Pub back to Chris Taylor's house, there were both initial complaints of line noise, and then bravos for reduction of noise. With the passage of time, it seems that Bell Canada's own internal monitoring has eliminated the line-noise problems.

BBS Upgrades

Near the end of Jean's tents as Sysop, there had been suggestions on the PUB that we should run the PUB on an 80386. The reason we delayed implementing such an upgrade is that with the then-current release of TBBS (the software that runs the PUB) no significant advantages would have been apparent with a

column for *Compute!* and *AI Expert* and is a contributing editor to *Byte*. He has also written several books including *Maintaining, Upgrading & Troubleshooting PCs & Compatibles*. This information is so hot off the press, we don't even know what the presentation will be, but you can be sure it'll be good.

The Elections

The January meeting is the evening of our Annual Elections. So far, there are no contested positions and one position still vacant. This is the slate:

Chairman	Harald Freise
Treasurer	Ed McRoberts
Secretary	Robert Parkinson
Membership	Paul Green
Convenor	vacant

If you are interested in serving as Convenor or in any capacity, or you would like to nominate someone for Convenor or any other position,

faster processor. The current 80286 processor can service all lines at full capacity at 2400 baud. This drops off a few percentage points when the MNP modern is being used in MNP 5 data compression mode to download many days' messages and, at the same tune, the other lines are downloading at 2400 baud. Statistically this is a rare event. In any case, TBBS comes with modelling software that allows us to determine what, if any, degradation occurs under what circumstances. The log files allow us to determine how often and how long these degradations occur. Delaying an upgrade until benefits are real makes prudent business sense. Costs of hardware are dropping and delaying hardware purchases until needed enables us to keep our membership costs low.

LATE BREAKING NEWS As we speak, the time has come...

We have just received the new release of TBBS and are evaluating its

please contact Harry Gross at 7337989.

Section 7 of the OPCUG constitution says: "The Convenor shall be responsible for publicity for the group, including advertising the meetings; shall arrange facilities for general meetings; and shall arrange for refreshments for general meetings." Call Paul Green (747-7862), 1991's Convenor, for more information.

The Survey

The second and final draw of the completed surveys will take place at the January meeting. If you haven't completed and returned your survey by the night of the meeting, there will be Survey Forms at the meeting that you can complete. All Surveys are eligible for this second draw. Those of you who got your Survey in early get a second chance at a prize (except for Douglas Terry, last time's winner, of course.)



features, integrity and resource requirements. Corresponding to its increase in features, is an increase in its memory requirements. Board pricing is such that it makes more sense to replace the 80286 motherboard (with an 80386 motherboard with additional onboard capacity) Than to buy an 80286 extended memory card. We have appropriated the funds to do so. We expect to have the new version of TBBS up and running the PUB around the end of the January 1992, possibly sooner. A new feature is its implementation of Z-modem. Documentation of this and other new features has been posted in the PUB message area. Additionally, if discussions under way come through, a major manufacturer will soon be donating a 9600 baud modem to the group, resulting in a further upgrade of the PUB.

To conclude, I'd like to thank all those serving on the executive this past year, and wish the incoming executive every success.

Secretary's 1991 Report

by *Norman Dafoe, Secretary*

The following report is a summary of the executive meetings held in 1991 and is provided as a requirement of the group's constitution.

Meeting Statistics

The 1991 Executive met 10 times between March 1991 and January 1992, with an average of nine Executive members (out of eleven) attending each meeting. At each meeting I recorded the minutes which were approved by the Executive at the following meeting. These minutes form part of the club files which I will hand on to the next Secretary.

The meetings were held initially in the home of Dave Terroux, Past President, and later at the home of Lynda Sinrons, Newsletter Editor. We greatly appreciate the hospitality provided by these people and their families, in spite of the intrusion of

such an uncouth crowd every month. Thank you, Dave and Lynda!

Team Member Changes

The Ottawa PC Users' Group lived through some important changes over the past year including the mid-year replacement of all three appointed positions of PUB SysOp, Newsletter Editor and Software Librarian. Your Executive attempted to handle these important events in the best way possible, while maintaining the best level of service to the membership.

Motions Taken

Important decisions are formalized by motions which are voted on by the Executive and recorded in the minutes. This year's motions covered a wide range including awarding a complimentary membership, spending money on software and hardware upgrades, appointing individuals to the Executive and slating

club policy on extraordinary expenses.

Team Decisions

As Secretary, I can report that the Executive meetings were held in a continuous atmosphere of cooperation, mutual respect and civility, with the membership's interest paramount at all times. This was due, in no small measure, to the skilful leadership, business-like attitude and mediation skills of this year's Chairman, Doug Poulter. Difficult decisions were taken without rancour or intemperate language. All members of the Executive contributed ideas and comments and generally subscribed to the group decisions taken.

I am stepping down as Secretary after one year because I have been appointed Software Librarian. I wish my successor and the club all the best for 1992.

Random Bits

Massively parallel computer gives more FLOPS

by *Mark Edwards*

I am afraid that I have some bad news for you 486 owners ...just when you thought you had the ultimate machine. I am afraid not my friends, the era of the TeraFLOPS is here.

For those of you who think a flop is just a bad Broadway play, let me enlighten you. A flop is a Floating-point Operation per Second. In PCs, it's one of those things you buy an 8087, 80287 or 80387 for because your main processor doesn't do floating-point operations very well. Your average PC does around 10 kFLOPS (10,000 floating-point operations per sec-

ond). A 486 probably does about 300 kFLOPS.

Thinking Machines of Cambridge Mass. has announced their CM-5, a massively parallel computer capable of a TeraFLOPS (one thousand, billion FLOPS). That's the equivalent of a 3.3 million 486s all working together. Prices start at \$1.4 million for those interested.

Note: "massively parallel" means that there are literally thousands of specialized processors all working together to get this sort of speed.

This is the way government is supposed to work.

Beginners' Corner

At 7:00 p.m., prior to the regular monthly OPCUG meetings, Eric Clyde holds special sessions for new users in Room 110.

If you would like to know more about these sessions, or have any questions you would like dealt with at the January session, call Eric at 749-2387.



FINANCIAL HEALTH CONTINUES DESPITE UNEXPECTED EXPENSES

by R.A. Frith, Treasurer

The graphs and Statement of Revenues and Expenses below summarize the group's transactions for the calendar year, 1991.

We started the year with a little over \$3,000 in the bank after a 1990 spending splurge on software and hardware to upgrade our newsletter and bulletin board equipment. This year we closed with a cash balance of about \$6,000.

Revenue

The bulk of our revenues came from membership dues, and the total is up over last year. Revenues from software library sales were less, perhaps because more people are downloading public domain software from the PUB. This trend is expected to continue. Miscellaneous income includes bank interest on term deposits, some closed cash accounts, and some returned deposits for meeting rooms from the Ottawa Board of Education.

Software Library

Software library costs were lower this year due to reduced demand and a surplus diskette stock at the beginning of the year.

BBS

BBS costs were lower than last year, but not by as much as they should have been. Last year's figures included a \$3,500 upgrade of the PUB's hardware. This year's high costs were due to five moves of the PUB equipment which cost the group more than \$2,000.

Miscellaneous

Miscellaneous costs were up significantly over last year due to increased insurance costs for the BBS, renting meeting halls from the Ottawa Board of Education and

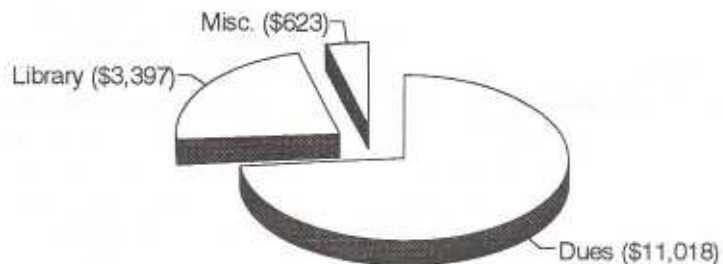
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Statement of Revenues & Expenses for the Ottawa PC Users' Group

for the period January 1, 1991 to December 31, 1991

	1990	1991	1992 est.
BANK			
Opening Balance	10,689	3,095	6,000
Revenues	15,419	15,038	15,000
Expenses	(13,003)	(11,714)	(11,500)
Closing Balance	3,095	6,693	9,000
INCOME			
Membership	8,904	11,018	
Disk Sales	6,122	3,397	
Miscellaneous	393	623	
EXPENSES			
Software Library	(4,219)	(1,271)	
Newsletter	(10,392)	(3,988)	
Bulletin Board	(\$7,357)	(4,196)	
Miscellaneous	(988)	(2,259)	

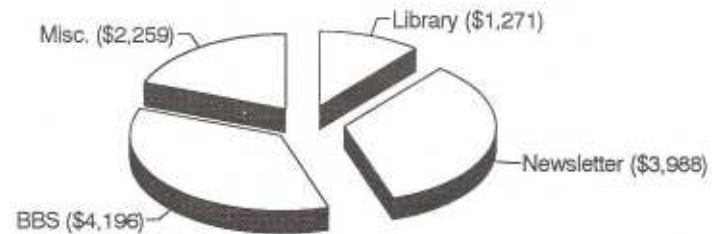
Ottawa PC Users Group 1991 Revenues - \$15,038



some shoe-box accounts. Other routine meeting expenses included refreshments, renting projection equipment and other smaller items.

Projections

1992 revenues and expenses are projected to be about the same as long as we maintain the current level and quality of the BBS and newsletter. Any surplus may well be directed toward upgrading the BBS host computer and software.



Review of the last meeting

How We Made Out The Night of the Living Deal

By **Murray Kreisman**

The annual OPCUG Swap *Meet* was held at Sir Robert Borden High School on Tuesday, November 26th. For those of you who couldn't make it, let me tell you what a great night it was.

Being a new *member*, I wasn't sure exactly what to *expect*. The swap *meet notices* sent with the December *newsletter* warned that only original programs and/or program disks could be sold. I had software to sell that I no longer *used*-Smalltalk V, and Turbo Pascal 4.0. I had been *eyeing* the latest versions of Xtree Gold 2.5 and P.C. Tools *Deluxe*-both of which I had used but didn't own. I couldn't justify the purchases to myself at current market prices, *especially when* versions *were changing* so quickly-you know how quickly DOS 5.0 caused the last round of changes! Would I be able to find *someone trading* or selling new or upgradeable versions of the items I had coveted? I was *eager* to find out.

I arrived at the school at 8:00 p.m. sharp and bounded up the stairs so as

not to miss any great bargains that might be had. As I turned at the landing, I saw two or *three "swapees"* already heading home, arms piled high with merchandise such as empty plastic diskette boxes, and untold stacks of "booty". I *smelled bargains* and hoped *there was still some good stuff left*.

When I opened the *cafeteria door* I saw a great mass of humanity that would do any rummage sale proud. Just inside the door sat a table with the club's regular stack of shareware and disk-of-the-month selections. Continuing along the left wall was a long line of display tables including one attended by Terry Mahoney et al. Next to the Mahoneys sat Avery Gintble from Custom Computing Solutions, eagerly awaiting his chance to show his product, The Client Database. Due to the great success of the swap *meet*, he agreed to postpone his presentation to another night as did Thomas Tai.

Stretching the width of the room were rows of long cafeteria tables strewn with almost every conceivable piece of computer hardware and soft-

ware. Surrounding *these items* were hundreds of people looking for bargains. Serving at each table was at least one "Purveyor of Deals", sometimes more. And lastly, more commercially-oriented sellers were grouped on the far right of the cafeteria.

I started at one table which featured a 386SL VGA laptop with a 60M6 hard drive for \$3,000. Then I spotted another bargain. "How much do you want for this?", I asked pointing at a box marked *Objecrvision 2.0*. I knew it was a forms-style, objectoriented Windows programming toolkit from Borland currently *offered* at \$99.95. "What are you offeringT", he responded. After he politely turned down my offer of \$15.00, I moved on.

All in all I found the event a real ball seeing so many comrades bargaining and others, including myself, looking for the real deal. I left with a couple of bargains and my budget in tact. Needless to say, I am already looking forward to next year's swap meet with great anticipation.

Ottawa PC News

Ottawa PC News is the newsletter of the Ottawa PC Users' Group (OPCUG), and is published monthly except in July and December.

Deadline The deadline for submissions is the last day of the month prior to publication.

Mailing Address
 3 Thatcher St.
 Nepean, Ontario K2G 1S6
Telephone Answering Machine 723-1329
PUB (Bulletin Board) N, 8, 1 228-0665
PUB, for MNP5/V.42 228-8550
Chairman
 Doug Poulter 745-8768
Past Chairman
 David Terroux 238-4895
Treasurer
 Tony Frith 671-0401
Secretary
 Norman Dafoe 723-1909
Membership Chairman
 Harald Freise 828-3411
Convenor
 Paul Green 747-7862
Software Librarian
 Norman Dafoe 723-1909
BBS Sysop
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 Mark Edwards Murray Kreisman
 Thomas Greene Michael Montpetit
 Ted Havrot Marc Riou

Group Meetings
 OPCUG meets monthly except in July and December. Check the answering machine, the PUB and the newsletter for the date and place of each meeting. Meeting times are 8:00 p.m. to 10 p.m. Beginners' sessions are from 7:00 p.m. to 8:00 p. m.

Membership fees
 \$25 per year
 Disk-of-the-Month \$25 for 5.25 ins. diskettes and \$35 per year for 3.5 ins.-(for 10 diskettes)

Special Interest Group Notice

Windows/New Wave SIG starting

If you're using, or thinking about using, the Hewlett-Packard Windows add-on, New Wave, then you'll want to know about the new Special Interest Group (SIG) being started by OPCUG member, Carl Gomez. Carl is scheduling the first meeting for 7 p.m., before the February general meeting.

Carl will also have copies of New Wave available for you to purchase at the January meeting at a special promotional price.

Anyone interested in New Wave or the SIG can contact Carl, either by telephone between 8 and 10 p.m. (731-1462) or in person at the January meeting.



MEMBERSHIP APPLICATION/RENEWAL				Membership #
				<small>(if you are renewing)</small>
First name		Last name (please use caps.)		
Address				Apt. #
City	Province	Postal Code	Country	
()	()	()	()	
Home phone #		Business phone #		Fax #
I use the following hardware: <input type="checkbox"/> XT <input type="checkbox"/> AT-286 <input type="checkbox"/> 386 <input type="checkbox"/> 486 (Check those that apply.) <input type="checkbox"/> 300 baud modem <input type="checkbox"/> 1200 baud modem <input type="checkbox"/> VGA <input type="checkbox"/> EGA <input type="checkbox"/> Herc. <input type="checkbox"/> 2400 baud modem <input type="checkbox"/> 9600 baud modem				
I would like to help in the following club activities: (Check those that apply.)			I use the following software:	
<input type="checkbox"/> Programming instruction <input type="checkbox"/> Hardware techniques <input type="checkbox"/> Newsletter input <input type="checkbox"/> Software library <input type="checkbox"/> Promotion/Publicity <input type="checkbox"/> Bulletin Board <input type="checkbox"/> Other			MEMBERSHIP FEE \$ 25.00 Disk of the month subscription _____ (\$25/yr. for 5.25" or \$35/yr for 3.5" 10 disks per year) Cheque <input type="checkbox"/> Cash <input type="checkbox"/> TOTAL \$ _____	
Mail to: Ottawa PC Users' Group 3 Thatcher St., Nepean, Ont. K2G 1S6				