



THE WYSIWYG



\$3.00

February 1999

Volume 11, Issue 2

STERLING HEIGHTS COMPUTER CLUB

PO Box 385

Sterling Heights, MI 48311-0385

TUESDAY FEB 2

Main Meeting.

7:30PM

Auto Accident reconstruction using computer software, by Deputy Thomas Poulin of the Oakland County

The Meeting days of the SIGS have changed, due to library room availability. Check the WYSIWYG for this month's meeting days.

**VISIT THE SHCC WEB PAGE AT:
<http://member.apcug.org/shcc/>**

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Windows 98 Y2K Problems

by Erich Luening, Staff Writer, CNET News.com

Microsoft said its Windows 98 operating system has minor Year 2000 problems and is making an update that fixes the glitch available on the Internet and CD-ROMs.

Microsoft said that the Windows 98 problem means that dates in 2000 could be displayed incorrectly in "rare scenarios," although it poses no threat of data loss. The world's largest software company said that most customers have a small chance of encountering the Windows 98 glitch during everyday use of the software program.

The Year 2000 bug can cause computers to read the year 2000 as 1900 because most older computers were programmed to read a two-digit year date. That bug could cause machines to either crash or transmit bad information.

"Microsoft understands the critical nature of the Year 2000 issue and is committed to diligently testing its products and promptly providing information and solutions to its customers if issues arise," Rich Kaplan, director of the platforms infrastructure group at Microsoft, said in a statement. "In the course of testing efforts with Windows 98, we have identified and

fixed these minor Year 2000 issues."

An example of the possible Y2K glitch found in Windows 98, which was released last summer, is an issue discovered that involves the date/time control applet. In certain instances, a user can set the date to February 29 of a leap year and then to do the same for other years as well. This is simply a display problem, however. The user cannot apply this incorrect date.

Another issue involves the phone dialer applet in Windows 98, in which the log file created after a user makes a phone call with the applet may in some instances display the year portion of the call incorrectly.

In addition, the company said that if a system is booting at the precise fraction of a second when the date rolls, the system clock may display an inaccurate time or date. The would be a rare occurrence because the exact time frame varies from machine to machine typically less than one second.

Some Year 2000 problems have been reported in connection with Java Virtual Machines based on the Sun Microsystems Java Development Kit (versions 1.1.1 to 1.1.5), Microsoft said. For example, if a Web site uses Java and makes use of the Java.txt.

(Continued on page 5)

Guests and visitors are welcome. People may attend any of two consecutive months of club meetings before deciding to become a member or not. Membership includes admission to all SHCC functions and the newsletter. Membership is open to anyone. It is not limited to residents of Sterling Heights. Meetings are on the first Tuesday of the month, except for July and August. There is a monthly drawing for door prizes at the end of the meeting.

DUES: \$25/YEAR

CLUB ADDRESS: PO Box 385, Sterling Heights, MI 48311-0385
CLUB E-MAIL ADDRESS: SHCC@aol.com
CLUB WEB PAGE: <http://member.apcug.org/shcc/>

Special Interest Groups:

MS-DOS (Main)	IBM compatibles
Net/Com	Computers communicating with other computers
Power user	Advance users discuss various topics
Novice	Those starting out
Business ???	Various topics related to business

Resource People:

DOS	Jerry Carson	248-548-0331
Excel	Mike Greenen	819-979-8717
Family Tree	Rick Schummer	810-997-1451
FoxPro	Rick Schummer	810-997-1451
Hardware	Jerry Carson	248-548-0331
Microsoft products	Mike Greenen	810-979-8717
MS Publisher	Rick Kucejko	248-879-6180
Professional Write	Mike Greenen	810-979-8717
Spreadsheets	Rick Schummer	810-997-1451
Word	Rick Schummer	810-997-1451
WordPerfect	Jim McNeil	810-978-3953

SHCC Coordinators:

Ask the Expert	Jerry Carson	248-548-0331
Business SIG	Jennifer O'Brien	248-540-4552
Net/Comm. SIG	Betty MacKenzie	810-254-0677
Door prize	Paul Anderson	810-979-2280
Greeting table	Lindell Beck	810-939-4278
Newsletter pub.	Rick Kucejko	248-879-6180
	ricktim@tir.com	
Novice SIG	OPEN	
Power Users SIG	Ed LeBioda	810-264-1632
Resource People	Mike Greenen	810-979-8717
Vendor Press Rel.	Jim Waldrop	810-731-6481

SHCC Officers:

President	Don VanSyckel	810-731-9232
	vansyckel@voyager.net	
Vice President	Mike Greenen	810-979-8717
	mgreenen@gatecom.com	
Treasurer	Dick Morawski	810-573-9648
	rmorawski@aol.com	
Secretary	Rick Schummer	810-997-1451
	rschummer@compuserve.com	

Four Month Meeting Schedule:

FEBRUARY 1999

- 2 - SHCC - Auto Accident reconstruction, by Deputy Thomas Poulin of the Oakland County Sheriff's Dept.
- 9 - SHCC officer's meeting
- 9 - Novice SIG
- 14 - SEMCO meeting
- 18 - Net/Comm SIG
- 18 - MCUG meeting
- 25 - Power Users' SIG

MARCH 1999

- 2 - SHCC - To be Determined
- 9 - Net/Comm SIG
- 9 - SHCC officer's meeting
- 14 - SEMCO meeting
- 18 - MCUG meeting
- 18 - Novice SIG
- 23 - Power Users' SIG

APRIL 1999

- 6 - SHCC - To be Determined
- 8 - Net/Comm SIG
- 11 - SEMCO meeting
- 13 - SHCC officer's meeting
- 15 - MCUG meeting
- 20 - Novice SIG
- 21 - Power Users' SIG

MAY 1999

- 4 - SHCC - To be Determined
- 9 - SEMCO meeting
- 11 - SHCC officer's meeting
- 13 - Net/Comm SIG
- 18 - Novice SIG
- 20 - MCUG meeting
- 19 - Power Users' SIG

Other Computer Clubs:

As a member of SHCC, you can attend meetings of other clubs where we have reciprocating membership agreements, at no charge.

Time: 2nd Sunday at 1:30PM
 Place: Dodge Hall; Oakland University; 248/398-7560
 Web page: <http://www.semco.org>
 Reciprocating: Yes

MI Computer Users Group

Time: 3rd Thursday, 7:00PM
 Place: South Lake HS, 21900 E. 9 Mile Road, St. Clair Shores, 585-2050
 Reciprocating: No

The OPC (Older Persons Commission) Computer Club

Time: Every Tuesday at 10:00 - 12:00
 Place: OPC in Rochester
 248-656-1403.
 Web page: <http://www.geocities.com/>

South Eastern Michigan Computer Organization (SEMCO)

Newsletter submissions are due 10 days before the club meeting, but the earlier the better. They should be sent to:

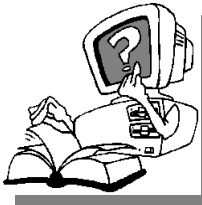
WYSIWYG Publisher
 5069 Fedora
 Troy, MI 48098
 OR at the e-mail addresses: ricktim@tir.com

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SIG Meetings

Novice SIG



The next meeting is scheduled for Tuesday, February 9, 1999, starting at 7:00PM, at the Macomb

County Library.

We are presently looking for a volunteer to be the SIG leader. If you are interested, please contact one of the officers.

All new and not so new members are invited to come and learn the DOS & Windows basics at our meetings. It would be great if we could get more volunteers to help out with the basic scheduling and running of this Sig. Every computer club needs a Novice Sig and we need some new "blood" to help pump more ideas and spring into every meeting.

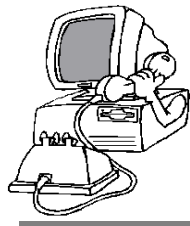
Mike Greenen came prepared to discuss more Tips & Tricks but had to put it aside due to the constant stream of questions and more questions that needed answering. He did get to squeeze in two of his tips. Mike is impressed by the great participation and questions at the meetings.

At our next meeting, Mike will try to get a computer available for our presenter's demonstrations. Mike will donate a usable computer and monitor (as necessary) to the library for our use if the library agrees. Topic was not known at the time of this printing. Come and see!

For more information about the SIG, call Mike Greenen (number on page 2), or e-mail him at: mgreenen@gatecom.com



Net/Com SIG



The next meeting of the Internet / Communications (Net/Comm.) SIG is Thursday, February

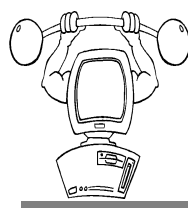
18, 1999, starting at 7:00PM, at the Macomb County Library. For the first half of 1999, most of the meetings will be on Thursday, due to the library room availability.

Each month the members of the Net/Comm SIG discuss the Internet to help members of the SHCC learn more about this communications media.

For more information about the SIG, call Betty MacKenzie (number is on page 2), or e-mail her at bmackenz@tir.com



Power User SIG



The next meeting of the Power User SIG is Thursday, February 25, 1999. For the first half of 1999, most of the meetings will be on Wednesday, due to

the library room availability.

The members of the Power User SIG help each other out with some tough questions and topics.

For more information about the SIG, call Ed LeBioda (number is on page 2).



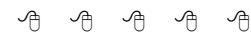
SHCC Emergency Shutdown

The Sterling Heights Computer Club will utilize radio station WWJ - 950 on the AM dial to notify members that a meeting is canceled because of bad weather or for other reasons. The announcement will happen along with the school closings and other events. Please remember to listen to the radio when there is bad weather.



Directions To Macomb Library

The Macomb County Library is located at 16480 Hall Road, in Clinton Township, between Hayes and Garfield, close to the light at Garfield, on the south side of Hall Road. A large blue sign says "Macomb County Library". The phone number is (810) 286-6660.



Help with Hotlinks

The officers are looking for one or more individuals who can check into other website's hotlinking their web sites to the SHCC's home page on the Internet. Please see any of the officers if you are willing to help out.



Help with Flyers

The officers are looking for several individuals who might be willing to hand out flyers on a Saturday for a couple of hours. We are looking to man a booth at a store in the near future to promote the SHCC. Please see any of the officers if you are willing to participate.



SHCC Business

“Ask The Experts”

Please send questions to “Ask the Experts” at the club’s PO address, or e-mail your question directly to Jerry Carson at: jerrycarson@ameritech.net

Q: Dear Expert,
Do programs have their own "date" programs?

Do programs have to be Y2K compliant or is it sufficient for your computer to be compliant?

Timely

A: Timely,
Almost all programs use the system date functions. So it is very important to make sure that your system is Y2K (Year 2000) compliant. It isn't quite that easy however. Some programs may get the correct date from the system but only store the last two digits in their data files. These programs are NOT Y2K compliant. So, your system AND your programs have to be Y2K compliant in order to be 100% safe.

There are several programs out there that will test your system to determine if it is Y2K OK. If you depend a certain program or set of programs for your data, you should check with the manufacturer to determine if your version is Y2K OK.

The Expert



Copiers Needed

Special thanks to all our members who are helping with the duplication needs of the club!

If you have access to a copy machine and can volunteer to duplicate some *WYSIWYG Gazette Special Editions*, please contact Rick Schummer. We are looking for several members to ease the burden of one individual who has been duplicating our source of printed advertisement. The more copiers, the merrier. We are looking for approximately 500 to 1000 copies a month to be handed out by our staff of volunteers to locations like the Sterling Heights and Macomb Libraries, computer stores and various retail



Member Home Pages

Now that the SHCC website is up and running, we are planning some additions and enhancements to our site. We have added a page for links to members' home pages. If you are interested in having a link to your home page please send the URL to



Door Prizes

The SHCC offers door prizes at most regularly scheduled club meetings. The door prizes for the February meeting were not known at the time of publication

In January, the winner's circle included:

George Bubin won Ami Pro

Ralph Osinski won Adobe Fonts

Martin Brown won Power Point

Marv Linke won Powerpoint

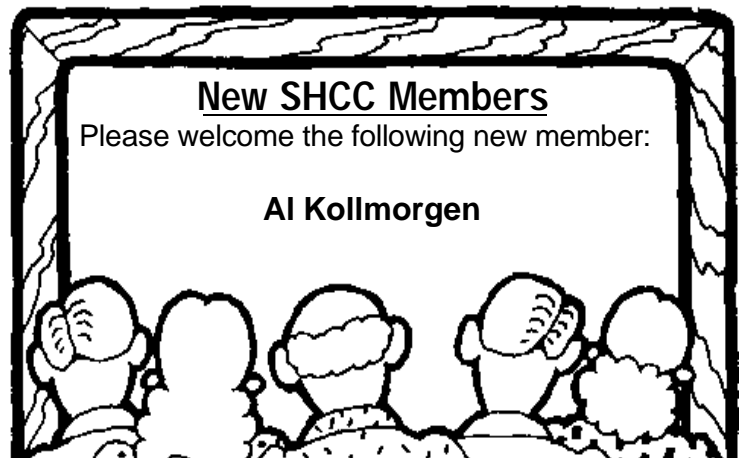
Al Kollmorgen won Learning Word Perfect

Robert Gagnon won Computer Training Information



More Door Prizes

Have software you no longer use? It could make a good door prize for a fellow member. It would also give that member another good reason for being glad to have been at the club



Vendor Press Releases

by Jim Waldrop

This monthly column lists new vendor announcements and specials available to club members. If you are a club member, this feature alone can save you much more than the



club dues.

NOTE: When contacting any of the companies listed in these press release summaries, always mention that you are a member of the Sterling Heights Computer Club and that the telephone number etc. was printed in our newsletter.

Adobe Systems Inc.

Phone: 1-800-888-6293
<http://www.adobe.com>
 Fax 1-408-537-7177

User Group Relations & Professional Associations: Rye Livingston, Manager-rlivings@adobe.com

Complete product and download information at: <http://ezgate.com/w/t?4>

Adobe Systems is introducing Adobe GraphicsStudio, which includes everything you need to create visually persuasive documents for print, multimedia, and the Web. This includes Adobe photoshop software for image editing, Adobe Illustrator software for illustration, and Adobe PageMaker software for page layout. At an estimated price of \$999, Adobe GraphicsStudio saves you more than \$500 over the combined price of each

program.

Adobe Premiere 5.1, the latest version of Adobe's video editing software, will be available free to registered users. Adobe Premiere 5.1 enables small video studios, industrial video professionals, event videographers, and multimedia and Web developers to create video and easily output it across mediums, from videotape to multimedia and the Web.

Laser Perfect, Inc.

Phone: 1-800-989-2666
 Fax: 1-703-631-4600

Laser Perfect has been remanufacturing printer cartridges, accessories, and products since 1998. With less than a 2% defective ratio, the return ratio is lower than new original equipment, toner or ink jet cartridges. The 100% replacement warranty is the finest in the industry. Just follow the instructions provided when you pack your ink jet cartridge inside the prepaid postage box for refilling. Put it in your mailbox and Laser Perfect will refill and return it to you, postage paid, within seven working days or less.

COMPARE:

HP51625A List Price	\$36.99
Staples/Office Depot Price	\$27.75
Laser Perfect Price	\$19.00
HP51626A List Price	\$35.99
Staples/Office Depot Price	\$27.00
Laser Perfect Price	\$17.00

M & R Enterprises

(authorized IBM VoiceType Dictation and Kolvox Professional Speech Applications Distributor)
 Phone: 1-800-860-1000
 Fax: 1-419-727-8209
 e-mail: kuhn@ibm.net
 or: sheilac@ibm.net

IBM ViaVoice 98 Executive: Speech recognition, natural language commands, proofreading and editing, large active vocabulary, simple and easy setup.

IBM ViaVoice 98 Specialty vocabularies for legal and medical

☺ ☺ ☺ ☺ ☺

Windows 98 Y2K Problems

(Continued from page 1)

SimpleDateFormat class library and the user enters four digits for the year, the date functions may truncate the year and use only the first two digits.

The update patch comes just days after Microsoft announced plans to revamp its Y2K strategy by adding tools and services that will work to address six key "layers" of Y2K compliance: the BIOS/real time clock, hardware, applications, documents, custom code, and data interface, the company said.

Customers and industry analysts alike have criticized the software behemoth for not moving fast enough to provide Y2K information and services to its customer base.

The Windows 98 Y2K update is now available on the Windows update site. Customers can also get the update on CD-ROM free by ordering it from the site or calling 1-800-363-2896.

☺ ☺ ☺ ☺ ☺

Y2K CASUALTY

Microsoft announced earlier today that the official release date for the new operating system "Windows 2000" will be delayed until the second quarter of 1901.



☺ ☺ ☺ ☺ ☺

Accelerated Graphics Port (AGP)

Information from the Internet, submitted by Mike Greenen

Today's software is increasing in graphics intensity. Even "mundane" business software uses icons, charts, animations, etc. When you add 3D games and educational software to the equation, one can see that there is a crunch in bandwidth for graphical information. With newer software and games getting much more graphics intensive, the PCI bus is maxed out. In fact, the PCI bus, once considered very fast, can now be considered a bottleneck.

Intel knew this. In response, they designed the Accelerated Graphics Port, or AGP. Intel defines AGP as a "high performance, component level interconnect targeted at 3D graphical display applications and is based on a set of performance extensions or enhancements to PCI." In short, AGP uses the main PC memory to hold 3D images. In effect, this gives the AGP video card an unlimited amount of video memory. To speed up the data transfer, Intel designed the port as a direct path to the PC's main memory.

AGP sounds groundbreaking, and it is, no doubt, the latest craze in the need for graphical speed. One reason it is faster than PCI is that, while PCI runs at 33MHz, the AGP bus runs much faster. A 4X AGP bus runs at 4 times 33MHz, or 133MHz! Also, a normally clocked PCI bus can achieve a throughput of 132MB/s. Yes, this is fast, but when compared to the throughputs of 3D games, one finds that it is not enough. AGP, running in 2x mode ($2 \times 33 = 66\text{MHz}$), can achieve a throughput of 528MB/s! AGP pulls this off by constantly transferring data on both the rises and falls of the 66MHz clock cycle. Also, AGP makes use of sideband transfers and pipelining so it can constantly transfer data without depending on other components in the PC. The pipelining ability of the AGP bus

is a key point that explains why it provides a performance advantage. Since AGP pipelines operations it can process quicker and more efficiently than PCI bus can. AGP uses a special organization process for all pending and processing requests. In effect, the bus can process one instruction while still receiving the next instructions. This allows much more to be accomplished in a shorter amount of time.

For a diagram of how the AGP bus is structured, see this diagram provided by Intel Corporation.

One can easily see why the need for a new graphical interface is needed. While PCI served us well, and still continues to do so, it is bogged down by the demand of full screen 3D graphics. It works great for 2D business software and most games, but intense 3D challenges the bandwidth limitations. For true 3D, there is much information that must be transferred for a single image. For a discussion of these elements, see Elements of 3D.

AGP, as stated above, uses the main PC memory to store all 3D information, including textures and the Zbuffer. This rids us of a prime problem of PCI video. Textures add reality to what we see on screen. The Z-buffer creates an illusion of depth. Both of these take up loads of memory, and they use the same chunk of memory. Therefore, manufacturers were forced to choose between textures or the z-buffer. Often, they had to design software that was weak in both areas in order to deal with the PCI bus. With AGP, this restriction is gone.

To create lifelike 3D images, the CPU must perform intensive 3D calculations. The graphics controller processes the texture data and bitmaps. In many cases, the controller must read

elements from 7 or 8 different textures and average them into a single pixel on the screen. When this calculation is performed, the pixel must be stored in the memory buffer. Because these textures are so large, they cannot be stored on the video card's buffer. With AGP, they instead are stored in the main system memory. Because of this, it is recommended that you have a large amount of system memory in your machine. This should be no problem due to the low prices of RAM. Intel, no doubt, took this into account when they decided to use your RAM for graphics.

To access the texture data from the main memory, AGP uses a technique called Direct Memory Execute, or DIME. In short, this connects the memory directly to the AGP/PCI chipset. This lets the graphics card access the textures in the main memory, which is limited only by the amount of memory you have in your system.

Like PCI, AGP uses a 32-bit connector. But, there is a difference. The AGP connector has 64 contacts, just like the old MCA adapter. AGP uses a 64-bit wide data path. This extra contact provides new roadways for the pipelining and queuing of data requests. Another difference is that AGP uses an extra eight sideband address lines that allows the controller to issue simultaneous commands while also accessing all 32 of the main data pathways. This is called Sideband Addressing, or SBA. All this comes together to give AGP a faster throughput than PCI.

The Requirements:

AGP is still in the preliminary stages. Although it works, the support for it is not adequate for most users. In order to use AGP with the P2, you must have a motherboard with Intel's

440LX or BX chipset. All such boards offer SDRAM support, an absolute must have for AGP. If you want to use AGP with a Socket 7 processor, you'll find yourself using chipsets like the Via Apollo VP3 and the ALI Alladin V.

AGP also requires software support, including both the OS and graphics drivers. Windows 95 and NT4 can be modified to support AGP, but Windows 98 has built-in support. NT5 will have built-in support for AGP. Windows 95 users can get the Windows 95 OEM Service Release 2.1 or a patch program called USBSUPP.EXE. Your current Win95 PCI device driver will support AGP, but you will need to get DirectX5, which is the only version of DirectX to support DIME. You must make sure your video drivers include VGARTD.VXD as well. This is a virtual device driver that turns on the DIME feature.

Most mainstream graphics card vendors have produced AGP versions of their PCI based video cards. Among these are ATI, Diamond, Matrox, NVidia, STB, and Number Nine. These AGP cards are not always all they are cracked up to be. Each vendor implements a different set of 3D instructions and effects. Some vendors implement these effects through software, a practice that negatively effects performance.

Often, these AGP cards come with a large amount of video memory. 4 MB is minimum, with 8 MB being more standard. Some offer support up to 16 MB of RAM. This video memory gives a large amount of space for texture storage.

The Reality

At this point in the development of AGP, I would not recommend going out of your way to upgrade your system to AGP. The benefits over PCI video are definitely staggering, but the hardware required to support it in the

first place can be rather staggering to the typical PC user still using a low-end Pentium PC.

Reviews indicate that many AGP video boards do not perform significantly better than their PCI counterparts. With some boards, AGP makes no difference at all. But, these reviews sometimes do not make mention of the fact that, like MMX, AGP requires software to actually take advantage of it. Without proper software support or software that would ever benefit, AGP will provide little improvement.



If Microsoft Built Cars

Bill Gates wanted to look good and impress everyone with his success. He decided to measure the accomplishments of Microsoft against General Motors. His comparison went like this:

If automotive technology had kept pace with computer technology over the past few decades, you would now be driving a V-32 instead of a V-8, and it would have a top speed of 10,000 miles per hour, or you could have an economy car that weighs 30 pounds and gets a thousand miles to the gallon. In either case, the sticker price of the new car would be under \$50.

In response to all this goading, GM responded: "Yes, but would you really want to drive a car that exhibits the following tendencies?"

1. Every time they repainted the lines on the road, you would have to buy a new car.
2. Occasionally, your car would die on the freeway for no apparent reason,

and you would have to restart it. For some strange reason, you would just accept this and drive on.

3. Occasionally, executing a maneuver would cause your car to stop and fail to restart and you would have to reinstall the engine. For some strange reason, you would just accept this, too.

4. Your car could only have one passenger at a time, unless you bought a "CAR 95" or a "Car NT". But then you'd have to buy more seats.

5. Macintosh would make a car that was powered by the sun, was twice as fast and twice as easy to drive-but it would run on only five percent of the roads.

6. The Macintosh car owners would get expensive Microsoft upgrades to their cars, which would make their cars run much more slowly.

7. The oil, engine, gas and alternator warning lights on the Microsoft car would be replaced by a single, "general car fault" warning light.

8. New seats would force everyone to have the same sized butt.

9. The air bag system would say, "Are you sure?" before deploying in an emergency.

10. If you were involved in a crash, you would have no idea what happened.



Member Ads

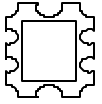
None this month. Send any classifieds to the WYSIWYG Publisher at the club's PO Box, or direct to Rick





STERLING HEIGHTS COMPUTER CLUB

PO Box 385
Sterling Heights, MI 48311-0385



FEBRUARY AT SHCC:

TUESDAY FEB 2

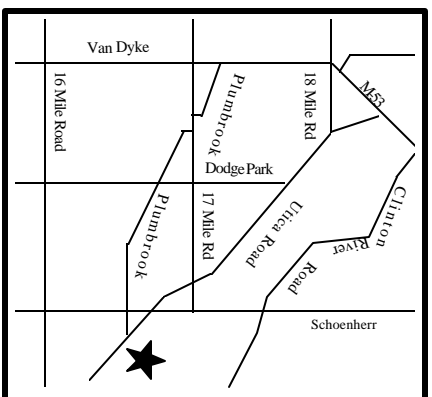
Main Meeting.

7:30PM at

Carpattia Club.

38000 Utica Road,
Sterling Heights

Auto accident reconstruction using computer software, by Deputy Thomas Poulin of the Oakland County



SIGS

TUESDAY

FEB 9

Novice SIG

7:00PM at the Macomb County Library

THURSDAY

FEB 18

Net/Com SIG

7:00PM at the Macomb County Library.

THURSDAY

FEB 25

Power User SIG

7:00PM at the Macomb County Library.

FUTURE MEETINGS:

MARCH

To Be Determined

Election Announcement

by Rick Schummer

It is time to re-elect our officers. Here is the process, the jobs, and responsibilities:

The nomination process is simple. You can nominate yourself or have another person nominate you for one or more of the offices. All the offices (president, vice-president, secretary, and treasurer) are elected for a one year term starting in January and completing in December. Nominations are taken in October and just before the elections in November. You must be a member to be nominated.

The elections are held at the regular meeting closest to November 1st, as stated in our constitution. This year the elections will be on November 7, 1995. The easy way to remember this is that we hold our elections on the same night as the local and national elections are held. Only members of the SHCC can vote. Ballots will be handed out at the sign-in door. The elections are held during the business portion of the meeting. The person with the majority of the vote in each office is the winner.

The jobs of each office are flexible. Some are defined, some change from office to office depending on the officers capabilities and availability.

In reality the president makes sure the meeting topics are set, the speakers are prepared, writes thank you notes to presenters and door prize contributors, runs the regular club and officer meetings, publishes the minutes to the officer meetings, takes phone calls from potential members and sends information to them, audits the monthly treasurer report and membership databases, tracks door prizes, and handles most of the publicity issues for the club. The WYSIWYG column is optional, but a

great forum to pass along information to the members. The president also makes sure that the different coordinators are appointed and do their jobs. The president enforces the constitution and Club's policies. The president does whatever things cannot be done by anyone else. The key to this job is delegation. The more the president delegates the less there is to do.

The Vice President has the catch all job. So far to date the vice-president has not had to step in for the president, and there have not been any state funerals that they have had to attend. This is an important job. They person must be flexible and be prepared to run the regular and officer meetings if the president cannot attend. This officer usually picks up a project or two during the year to lift the burden from other officers.

The secretary maintains the membership database which is tracked in PC-File. They also puts together "New Member Packets" and gives them to newly joined members, and members who renew. These packets are already printed, some assembly required! They track "New Member Beast" forms to be given to members who referred a newly joined member to the SHCC. The secretary audits the treasurer report to make sure that the membership money collected matches the membership counts in the database, print the mailing labels for WYSIWYG mailing and several reports such as a membership list and attendance sheet. The secretary makes sure that sign-in table materials needed at each regular meeting are there before the meeting, and before people start showing up.

The treasurer maintains all the money taken in and paid out from the Club's checking account. The SHCC

currently uses Quicken to track the funds and generate reports for the officers. The treasurer also audits the membership counts. The treasurer makes reports to the officers at the officers meeting and four times a year to the Club's membership. All the receipts are collected and maintained by the treasurer.

All the officers attend the officer meeting that takes place on the second Tuesday of the month. Starts at 7:30PM, time and date are flexible to liking of all officers.

I hope everyone considers this invitation, this call to service. It is some work, and it is a lot of fun. Normally it takes 3 to 5 hours a month (give or take a few hours) outside of the meetings. The president's job might take a little more, but remember that delegation can lower the burden. If you have any questions concerning the duties, feel free to give me a call.

Directions to SHCC SIG Meetings

Novice SIG



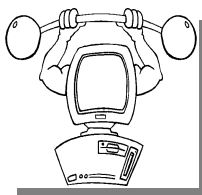
The Novice SIG meetings are scheduled on the third Tuesday of the month, at 7:00 PM, except July and August. There will usually be a topic of interest, followed by a question and answer time, chaired by a member of the SHCC.

For more information about the SIG, please call Ellen Geering at 810-468-3528.

The Novice SIG now meets at the Macomb County Library at 16480 Hall Road, in Clinton Township, between Hayes and Garfield, close to the light at Garfield, on the south side of Hall Road. A large blue sign says "Macomb County Library". The phone number is (810) 286-6660.



Power User SIG



The Power User SIG meetings are held on the fourth Tuesday of the month, at 7:00 PM, except July and August. Each month the members of the Power User SIG help each other out with some tough questions and topics.

For more information about the SIG, please call Ed LeBioda at 810-264-1632.

The Power User SIG now meets at the Macomb County Library at 16480 Hall Road, in Clinton Township, between Hayes and Garfield, close to the light at Garfield, on the south side of Hall Road. A large blue sign says "Macomb County Library". The phone number is (810) 286-6660.



Net/Comm SIG



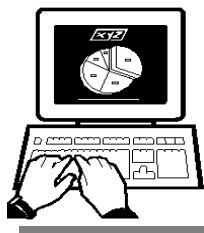
The Internet/Communications SIG (Net/Comm) meetings are held on the second Monday of the month, at 7:00 PM, except for July and August. There is a full Internet connection and presentation based PC equipment available at the meeting. Each month the SIG members visit the Internet to help members of the SHCC learn more about this powerful communications media.

For more information about the SIG, call Betty MacKenzie at 810-254-0677, or e-mail her at blackens@tir.com.

The Net/Comm SIG meets at the Macomb County Library at 16480 Hall Road, in Clinton Township, between Hayes and Garfield, close to the light at Garfield, on the south side of Hall Road. A large blue sign says "Macomb County Library". The phone number



Business SIG



The Business SIG meetings are held on the last Thursday of the month, at 7:00 PM, except for July and August. Each month the members of the Business SIG discuss software and hardware issues of interest in the business environment.

For more information about the SIG, please call Jennifer O'Brien at 248-540-4552, or e-mail her at 72242,3713@Compuserve.com.

The business SIG meets at the Knowledge Development Centers of

Detroit at 2000 Town Center, Suite 200 in Southfield. The Knowledge center is in the Southfield Town Center Complex, which is made up of 4 copper colored mirrored tower buildings. It is located off the Northwestern Highway, which is also the service drive of the John Lodge Freeway going North. 2000 Town Center is the second tower as you proceed north on the service road, just past the Radisson Hotel. (248) 352-6730.

PARKING – Complimentary parking is available behind all buildings at Town Center. Enter the parking structure at the 2000/Restaurant entrance. The entrance to the 2000 building is on the third parking level.

>From the EAST – take I-696 West to exit "Evergreen." Go to the third street, "Central Park Blvd," turn left and follow Central Park Blvd until it dead ends in front of the "2000" building parking structure. See PARKING.

>From the WEST – Take I-96 East, it becomes I-696. Exit at the "Evergreen" exit, go to the first traffic light and turn right on Central Park Blvd. Follow Central park Blvd. until it dead ends in front of the "2000" Building parking structure. See PARKING.

>From the NORTH – Take I-75 south to I-696 West then follow directions from the East. See PARKING.

>From the SOUTH – Take I-275 North to I-696 East then follow directions from the West. See PARKING.

>From Downtown Detroit – Take the John Lodge Freeway, US 10, North to exit "10 Mile/Evergreen." Stay on Evergreen northbound. The entrance to Town Center is on the left. See

