



**Monthly Publication  
of the  
Kentucky-Indiana  
PC Users Group**

**January  
2002  
Volume 21, No. 1**

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# KIPCUG Presents



## Spectorsoft's Spector

**presented by  
A. J. Johnson**

**Tuesday, January 8th**

**Public is welcome at  
KIPCUG's General Meeting**

**Free Program Starts at 6:30 PM**

**[www.kipcug.org](http://www.kipcug.org)**

# KIPCUG

Next meeting

CHRIST CHURCH UNITED METHODIST  
4614 BROWNSBORO ROAD  
Tuesday, January 8th 6:30 PM

# From The Editor

**W**anted! KIPCUG needs a few good members to write a Back To Basics article about three times per year. If we can get four members willing to write articles of about 400-500 words, then we can have a regular series of articles. We already have 2 volunteers. HOW ABOUT YOU?

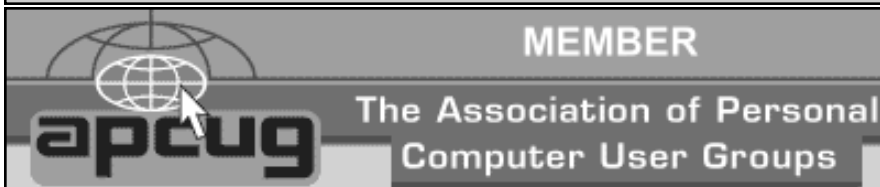
**O**nline Anytime (the new online training offering from New Horizons) will allow students to study at their own pace via a computer accessed by their method of choice (either at home, work, or on the road). This means that the student can fit the training into their busy schedule. The training is available 24 hours a day, seven days a week and the package consists of 'user-friendly' administration features to help the student track their progress, create customized reports, and demonstrate results.

**H**ave you bought a ticket yet for our Software Raffle? We're currently featuring Office XP Professional. We've already sold 102 tickets, and our goal is 250 tickets. The package is the full product with all of the bells and whistles. Don't miss out on your chance to snap up this product for a song! (Only \$2 a chance) The drawing will be held on January 8, 2002 or the first General Meeting after which we've sold our goal so be sure and buy yourself a ticket at our next General Meeting if you want a chance at getting Office XP Professional dirt cheap!

William Cull  
Editor

## Contributing staff writers

**Matthew Mercurio      T. Scanlan**



KIPCUG is a member of APCUG, an international association of computer groups. Information is available at [www.apcug.org](http://www.apcug.org)

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# Over the Program Director's Shoulder

By Matthew Mercurio, KIPCUG

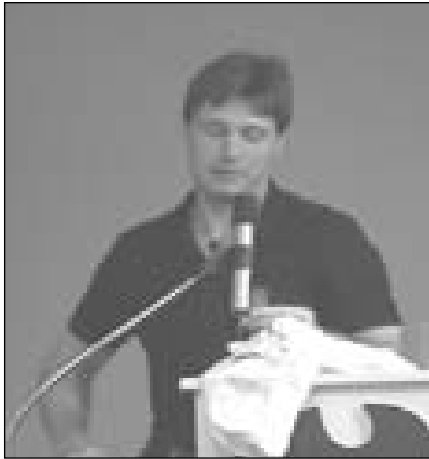


PHOTO BY BOB SETREE

## January

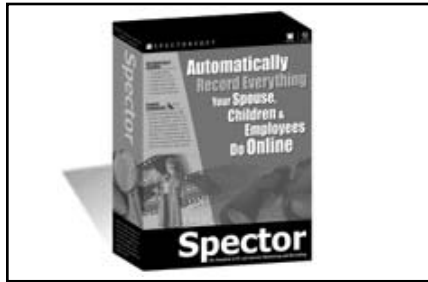
### January's Demo Desk

Have you wanted to put your own web page together? Why don't you come to the January 8th meeting and stop by the "Demo Desk"? We will have Ed Engleking in to show various web editors to build a simple web page. Ed has worked on and developed many web sites including UCanWeb.com, 84OnLine.com and WHAS's Crusade For Children Web Site at [www.whas-crusade.org](http://www.whas-crusade.org). Ed will show a little bit of Front Page, Dreamweaver, and other web page editing software.

**\*\*Note \*\*** Due to the holiday, the January general meeting has been moved to January 8th. Please make a note of this on your calendars.

January's meeting we will be visited by the PC Surgeon, A.J. Johnson. AJ is sole proprietor of a local company which makes PC repair house calls. AJ will be showing off a piece of software from SpectorSoft ([www.spectorsoft.com](http://www.spectorsoft.com)) called

Spector. We will also get a visit from our very own Fred Soward. Many of you remember Fred as our



past KIPCUG President. Fred will be doing a "Business to Business" segment. Fred will speak to us about New Horizon's "On-Line Anytime Offering." If you ever wanted to get formal software training, but don't really have the time to sit in a classroom, then I think you will like what New Horizon Computer Learning Center has to offer. This service allows you to jump on the Internet and get your training on-line. Fred is going to tell us all about it! After the Business to Business Segment, it will be time to start the show. AJ will take the stage and jump into the software, Spector.

This software allows you to record every keystroke as well as all activity on your PC. If anyone has children on the Internet at home, this is a great tool for them. Even though the Internet is a great source of information, we all know it has a dark side as well. Spector will allow you to monitor your child's activity on the Internet even when you are not there. But Spector does so much more. You can monitor email, chat rooms, and create a movie of the desktop movements all at the same time. Many IT Professionals use this kind of software when monitoring their users on the network. It's just a good way to keep everyone honest. Did you know, 75% of hack

attempts to a company's network are made by an employee within the network? SpectorSoft helps to cut out this kind of activity. Make sure you come early and get a look at the Demo Desk and as always we will have the User to User and Back to Basics segments. All this plus we will have some really great door prizes to give away as well! So don't miss the January meeting. Remember, the meeting will be January 8th due to the holidays.

## February

On the Horizon...

This will be the start of a "Home Networking" series. We will start out by looking at how to connect two or more PC's at home to share files, printers, and the Internet. Using devices such as the LinkSys Router/Hub, the Airport, and other equipment, you can share the resources across your PC's at home. We will show you how to spread your Internet connection throughout

### MEETING DIRECTIONS

Christ Church United Methodist  
4614 Brownsboro Road  
From I-264 (Watterson X-Way) take the US-42/Brownsboro Road exit number 22 turning left onto Brownsboro Road if you were traveling East on I-264 (turn right instead if you were traveling West on I-264). Continue for about 0.6 miles turning left at the traffic light at Blankenbaker Lane and turn left into the Church parking lot. Look for the signs.

Maps are at [www.ccum.net](http://www.ccum.net) and [www.kipcup.org](http://www.kipcup.org)

# Program Director (cont.)

the house. Come early because before the beginning of the show, we will have a table set up as you enter the hall to show how to MAKE the cables needed to connect your PC's together. This will not only save you money but also give you a little understanding of the networking principles.

## March

The "Home Networking Series" continues. This month we will show you how to install, setup, and configure a personal firewall. It is amazing how often your PC is being probed or scanned by would be hackers out there on the Internet and we will show you a REAL TIME demonstration. We will also show you the many different firewalls available that you can use to protect

your PCs from these attacks. This will give you the info needed to make the right choice when choosing one for your network. Zone Alarm, Black Ice and Norton's Internet Security are just a few examples. Some range from FREE to a moderate price. In the age of "Always On" broadband connections, you can't go unprotected.




PHOTO BY BOB SETREE

## April

The "Home Networking Series" continues with "How to get the most use of your network." At this meeting we will show you how to use the network to back-up your files, share your printers, use the Internet connection to research your work and create file and folder structures to better organize all your data. I am really excited about this series and I hope you are too! In a time of consumer broadband, more and more consumers are networking their home PC's and it only makes sense to learn how to get the most use out of those networks.

I am working on presentations from Sierra, AMD, Creative Sound Labs and a local group called LanWar. The upcoming months will be exciting and you don't want to miss a second of it! Also, Microsoft wants to come back and speak with us at a meeting real soon. Keep an eye on you I/O as I will bring you all the details as soon as I get them!

Note: I want to thank the folks that have sent me emails. I have asked for your thoughts, ideas and suggestions for future meetings and you have answered the call. Keep those emails coming; I always look forward to hearing what our members have to say! Thanks again.



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10200 Linn Station Rd. Suite 110






PHOTO BY BOB SETREE

# Free Software!

By Joe Rothstein, KIPCUG

SOFTWARE – SOFTWARE – SOFTWARE Free for the price of a review.

Following are the programs, available as of December 17, 2001:

ArcSoft – Digital Imaging – Internet – Entertainment.  
www.arsoft.com

Disc contains the following programs:

PhotoBase 2.0;  
3D Text Factory;  
PhotoStudio 2000;  
PhotoMontage 2000;  
PhotoPrinter 2000 Pro;  
Panorama Maker 2000;  
PhotoImpression 2000;  
VideoImpression 1.6;  
PhotoFantasy 2000;  
and VideoCopier 1.0.

One point – Solutions for Success.  
www.missioncritical.com

Quickoffice from Cutting Edge Software for Palm Powered Handhelds. Sync, View and Edit EXCEL & WORD Files. Anytime. Anywhere. www.cesinc.com

ArtIcons Pro 3.0 from AhaSoft.  
www.aha-soft.com Create High Color Depth Icons for Windows XP. CD contains Articons Pro, AhaView, AnyTaIcon, ArtCursors, and Custom Icons.

Deluxe LINUX 6.5. From MacMillan Software.  
www.macmillansoftware.com Contains: Linux-Mandrake with enhancements; StarOffice 5.1 Personal Edition; WordPerfect 8 Lite; Special Versions of PartitionMagic and BootMagic; 5,000+ pages of electronic Linux references from Que and Sams.

BugMe from Handango. For Palm and Pocket PC, Sticky Notes, Drawing Tool, Alarm Reminders.  
www.handango.com Award winning note-taker and memory-jolter that's both powerful and simple to use.

Partition Commander 6.02 from Vcom. www.v-com.com Partition Wizard automates partitioning tasks; BackStep Wizard lets you UNDO partitioning. Safe resize for Linux, DOS, and Windows 95/98/ME/NT/2000; FREE System Commander Personal Edition included.

QuickConference C.E. Software. Instant Office Communication for Macintosh and Windows Networks.

www.cesoft.com Everything you need to send and receive quick interoffice messages is located in one window.

Asheron's Call. From Microsoft. Brave adventurers are gathering from mysterious realms unknown, crossing the dimensional divide. Play only on MSN's gaming zone.

Lets review. The above software is yours to keep FREE, for only a 500 – 750 words review returned in 30 days [45 days maximum]. Your review will be included in KIPCUG's monthly magazine – IO.

New software is expected soon. Check out our web page at www.kipcug.org for any new programs. Questions? Call/email Joe Rothstein. joesr@iname.com or (502) 451-3874.

## Membership

By Susan Moore, KIPCUG

Please welcome KIPCUG's newest members.

SCHOUN P REGAN  
JOHN H REARDON  
BRIAN HOGARTH  
MICHAEL MCCABE

Each new person that you invite to a KIPCUG meeting can earn a FREE month of dues for you if they join! Why not invite several friends or co-workers next month to increase the number of your free months. There is NO LIMIT to the number of bonus months.



## Announcing Win.Net DSL

Ultra Fast  
Secure  
Inexpensive

502-815-7000 Ext. 5  
(9AM - 5PM EST)

DSL available in the  
Louisville/Jefferson county area  
only.

"Possibly the best tech  
support in the business..."

PC Magazine

# Motherboards

By T. Scanlan, KIPCUG

The "next generation" of computer hardware was introduced over the last year. Intel and AMD battled for the speed title, with Intel releasing the 2 GHz Pentium 4 CPU and AMD their Athlon XP 1900+. New processor designs often execute instructions more efficiently, so the true speed is faster than the numbers indicate. Memory prices plummeted, making systems with 512 MB of fast RAM affordable and even speedier systems based on DDR RAM or RAMBUS memory became practical. Is it time for you to consider adding this power to your personal computer? What are the choices for the home-brew computer builder?

There is a lot to consider when selecting a replacement main board. In December 2001, the KIPCUG HARDWARE SIG met to discuss these industry trends and the new motherboard upgrades. The following is a summary of that meeting and some "outside reading" suggested by Charley May.

One warning: In spite of all the "goodies" available, I make a point of not changing my essential work-day hardware without a very good reason. One such case is when a machine needs a specific feature, like adding USB ports or adding a CD-writer on an old machine. The other case happens when I can increase USEFUL speed by at least 3x or 4x at a reasonable price. Just doubling speed is rarely worth the time and trouble for the average user. Expect to keep a machine at least 4 years, but try for more <wink>!

I said "USEFUL speed", because many of the advertised features you read about don't equate to consistent user speed. A faster disk may contribute little or nothing to overall, average systems response, depending on your current setup. An ATA-100 MB/sec (UDMA-5) hard disk may provide blinding speed in the right setting (like streaming video data or disk benchmarks), but an ATA-33 MB/sec (UDMA-2) is nearly as fast in practical usage tests; loading and running user applications. Overbuying won't give the speed boost you expect from the hype because these peak numbers only come into play for a few, brief moments at a time.

The same holds true for "super fast" processors and video cards. The average user won't see a useful speed increase between a 733 MHz P-III and a 1.5 GHz Pentium 4 or Athlon, all other factors being equal. Adding a blazing hot, \$400 GeForce or Radeon video card won't visibly speed up your word processing, spreadsheet, or MineSweeper either! You will only see an improvement if your current applications are stressing the hardware most of the time. If the CPU/GPU is loafing, doubling the speed won't give any visible benefit!

It only makes sense to swap equipment reaching the end of its life cycle. When you do replace a motherboard, keep in mind that it takes a balanced effort by all the system components to deliver the practical speed you desire. You need to match the parts so that they deliver a combined \*BANDWIDTH\* that benefits your application. The trick is to look for choke points that impede

the other parts of the system, and spend time/money on that area.

No matter what happens with RAM, hard disks and CPU speeds; the point made at our meeting was that most machines you use today are already well suited to what you need. Don't "upgrade" just because there is something "hot & new" being advertised.

If you do look at new equipment, learn about the new memory options. Faster RAM will affect all phases of operation because it is one of the key bottlenecks. The CPU and RAM constantly exchange data, and much design effort has gone into optimizing the interface. Still, the CPU often waits for the RAM, and any improvements will have an impact.

Determine which components you can reuse and which need replacing. If you decide a new motherboard and CPU are warranted after benchmark measurements of your system and work requirements -- decide how much you want to budget. While there are replacement boards AND processors for under \$200, \$300-\$600 is a more realistic range for this upgrade.

The next step is to decide which "family" you prefer, Intel or AMD. Intel has its historic leadership in its favor, but it has been more expensive. AMD Athlons are as-good-as, or better than Intel Pentiums and they are often priced much less for equal processing power. Don't believe claims that non-Intel processors are flawed. Any certified processor will run your programs.

# Motherboards (cont.)

The market competition is intense and Intel has been instituting price cuts the last few months, narrowing the cost difference. Price is not an indicator of performance. The Intel P4 chips cost more, but the Athlon XP chips do more useful work per cycle, making them faster than clock speeds indicate, and much less expensive per instruction executed. (I have a bias for AMD CPUs) In some cases a fast Pentium III and motherboard may be much less expensive and still much better than your current system.

Having selected the CPU family, you need to find advice in picking a motherboard.

1. Begin reading product reviews on "geek web pages" to evaluate boards (see the links below) and select one for stability, support and features. Look at the CHIP SET of the motherboard. The favored designs are quickly adopted by all the board manufacturers, and are championed by the tech forums. Select chip sets that have been on the market long enough to be well tested. Don't live on the cutting edge unless you are willing to bleed a bit.

2. Find a trusted friend(s) or a dealer that knows motherboards and rely on them. Buy locally when possible. Dealers install many boards in their shops, and can tell you what works reliably based on their experience. Cultivate a local dealer, because they are your "lifeline call". I buy from folks like:

Computer Outlet

-- [www.computeroutlet.net](http://www.computeroutlet.net)

InterSpace Computer

-- [www.interspacecomputers.com](http://www.interspacecomputers.com)

SEC Computer

-- [www.seccomputer.com](http://www.seccomputer.com)

3. Select a well-known manufacturer and trust their design team. The top brands offer support and features, and rarely hit a sour note. I like and have used these brands:

ABIT -- [www.abit-usa.com](http://www.abit-usa.com)

ASUS -- [www.asus.com](http://www.asus.com)

EPOX -- [www.epox.com](http://www.epox.com)

GigaByte -- [www.giga-byte.com](http://www.giga-byte.com)

MicroStar Int. -- [www.msi.com](http://www.msi.com)

Soyo -- [www.soyousa.com](http://www.soyousa.com)

Buy for stability and reliability as well as features. Speed records are fleeting, but a machine that runs 24/7 without a whimper becomes a rare treasure. Be happy buying a few months behind the leaders. You won't miss much except the pain. If computers are a tool to enable you, rather than a hobby in itself; then reliable, well-supported designs are the only thing you should look at. Saving just 5 minutes a day can add up to 25 hours a year. Isn't it worth spending \$50-100 extra (pennies a day) to save hours of troubleshooting?

The truth is, most current motherboards meet such strict standards and certification that almost any "mature" design (older than 6 months on the market) is a safe bet. In that sense, it is hard to make a bad choice. Look at the Intel and AMD web sites to see which motherboards they certify. Favor reliability over speed, but realize there is not much difference. Even the most critical technical benchmarks usually show one product beating the others by just a few percent. Even the losers are much faster than what you have now <smile>.

Each reviewer will have favorites, and selecting any of the top boards should be a safe choice. A few of the boards get rave reviews from many reviewers, but their features may not be what you need. Read the reviews with your needs in mind. While the reviews may not point to the "best" board for you, they do highlight the ones that may FAIL. The list of boards to AVOID is much shorter. That is an important point -- the lemons quickly stand out in these reviews.

Whatever you buy, make sure it:

a.) Supports flash BIOS upgrades.  
b.) Uses a reliable motherboard chip set.

c.) Is certified to support the entire CPU family to its highest speed.

d.) Has a board layout (design) that fits your case. Draw a diagram and measure where cables and fittings go. Ask to see the installation manual before buying.

e.) Supports the RAM you need: Only reuse older RAM if it is fast enough. SDRAM (PC133 or more is OK - but you can do better.) The "sweet spot" for RAM is about 256 MB for most users, more is rarely useful, more than 512 MB is often wasted and less may save \$15-20 but may lead to program slow-downs. I favor 512 MB of the new DDR RAM design for \$\$/speed. RAMBUS may be fastest, but there are cost and support issues.

f.) Supports AGP (Advanced Graphics Port) 2X-4X boards. AGP boards offer the highest video bandwidth and expansion. You can reuse older PCI video boards but consider adding AGP eventually.

g.) Includes on-board UDMA IDE ports (ATA-100 MB/Sec or better preferred).

# Motherboards (cont.)

h.) Supports monitoring of CPU temp and cooling fan!!!

i.) Must also support:

Flexible boot device support for CD-ROM, ZIP, Network, etc.

USB 1.0 (and even better, USB 2.0) onboard including legacy support of USB mouse and keyboard in DOS and BIOS.

PS-2 mouse port with full keyboard support for wired and wireless devices.

j.) May include or support:

Front panel USB port connectors - handy!

Included diagnostic indicators for problems - excellent!!

IEEE1394 - firewire - nice but not widely used.

Onboard ethernet network controller (NIC) -- desirable.

Sound chip -- OK, but rarely a plus, often bypassed.

Onboard video -- often useless for serious work but reduces overall costs. Fine for back-room network servers.

Onboard RAID controller -- a \*wonderful\* high performance option, but not something the average user needs ;-)

k.) Supports BIOS controlled system tweaks for memory, voltage control, clock frequency and SMB (system management bus) monitoring, great stuff if you have it!

Whew!! Looks like a lot to consider, but ask around, and you'll get pointed at some excellent products.

Once you select a motherboard, get the matching CPU. Don't buy what is currently the fastest. Look for something in the middle, where the price/performance ratio is to your benefit. You can save \$100-200 by scaling back the CPU speed by

10-20%, unless you are certain you need the extra power. Example: the Athlon 1900+ is about \$300, but the 1600+ is only \$160.

Pay close attention to system cooling and the power supply. The new processor and motherboard will need more power than the old one. New processors may need to throw off up to 50 watts by themselves, and fast motherboards use more power too. A 250 watts power supply is the minimum these days, and 300 watts preferred. If you have a 200 watt power supply, consider getting a new one or getting a new case. Also, check the airflow in the case to be certain that extra heat does not stay in the case.

Spend time verifying that the CPU heatsink works as expected. Look at the after-market CPU coolers. Hot chips fail and the new, fast processors get really HOT. They produce more energy than the small chip surface can dissipate. A smart upgrade is the best fan you can find. Look at the [www.hardOCP.com](http://www.hardOCP.com) cooling fan reviews for an idea of what I mean. Don't be fooled by chrome and empty advertising. Test and evaluate!! \$20-50 can buy an excellent product. I have a big ugly AOC cooler that works great. Be prepared for the noise these chip coolers generate, and consider noise levels as well as cooling ability.

Make sure the video card used is matched to the system and your needs. Any card will work, but if you use graphic intensive applications, look for an AGP 4X rating and a good GPU. However, unless you are a serious gamer or graphics developer, there is no reason to think

that a 64 MB video card is better than 4-8MB. Bandwidth, RAMDAC speed and GPU features are more important. That's another topic for future discussion!

Is your hard disk adequate? There are many excellent, high-speed drives available, but your current one(s) may be just fine. See if they are ATA-33 or better. Be certain to use the proper DMA drivers within Windows and enable DMA to get the best speed. Use the right cables (80-wire IDE) for UDMA. The size of the drive does not equate to speed. Look for access times and high-sustained transfer rates over size. Unless you save video files, a fast 20 GB drive is better than an average 100 GB drive. Often running two smaller drives properly configured can produce a speed boost over a single drive.

Benchmark your drives and system before changing them out. Look at Sandra -- the system information tool for used by real geeks! SISOFT's evaluation copy of SANDRA is available as a free download. Preview SANDRA's powerful system diagnostic utilities and benchmarking tools while testing your current system. Most of the test tools in the full, registered version are included in the free evaluation copy. See "[www.sisoftware.co.uk/sandra](http://www.sisoftware.co.uk/sandra)" for the free (about 4 MB) download.

Once again, I've run on ... I hope this summary helps give you some ideas about motherboard upgrades. Come to the HARDWARE SIG for the details and to learn more or read some of the links below.

# Motherboards (cont.)

## Web sites for motherboard ratings, reviews and info:

[www.AMD.com/us-en](http://www.AMD.com/us-en)  
[www.viatech.com](http://www.viatech.com)

## Reviews of computer hardware

[www.anandtech.com/mb/index.html](http://www.anandtech.com/mb/index.html)  
[www.hardwarecentral.com/hardwarecentral/subjects/55/](http://www.hardwarecentral.com/hardwarecentral/subjects/55/)  
[www.sysopt.com/userreviews/products/mboards.html](http://www.sysopt.com/userreviews/products/mboards.html)  
[www.tomshardware.com](http://www.tomshardware.com)  
[www.pcstats.com/](http://www.pcstats.com/)  
[www.hardOCP.com](http://www.hardOCP.com)  
[www.motherboards.org/](http://www.motherboards.org/)  
[www.sharkyextreme.com/hardware/hardware\\_mb.shtml](http://www.sharkyextreme.com/hardware/hardware_mb.shtml)  
[www.amdmb.com/reviews.php](http://www.amdmb.com/reviews.php)

[www.cpureview.com/](http://www.cpureview.com/)  
[www.amd3d.com/](http://www.amd3d.com/)  
[active-hardware.com/english/main.htm](http://active-hardware.com/english/main.htm)

## Intel hosted pages

[support.intel.com/support/motherboards/identify.htm](http://support.intel.com/support/motherboards/identify.htm)  
[www.intel.com/home/glossary/](http://www.intel.com/home/glossary/)  
[www.intel.com/pentium4/index.htm](http://www.intel.com/pentium4/index.htm)  
Intel comparison chart site  
[www.intel.com/home/desktop\\_comparison.htm](http://www.intel.com/home/desktop_comparison.htm)  
Intel PC builder's guide  
[www.intel.com/home/tech/builder\\_s\\_guide.htm](http://www.intel.com/home/tech/builder_s_guide.htm)  
Optimize your Intel PC  
[www.intel.com/home/tech/](http://www.intel.com/home/tech/)

[optimize\\_pc.htm](#)

Intel compatible components guide - [www.intel.com/home/tech/components/index.htm](http://www.intel.com/home/tech/components/index.htm)

## Places to compare prices:

[www.pricewatch.com](http://www.pricewatch.com)  
[www.nextag.com](http://www.nextag.com) (type in "AMD motherboards" in search slot)  
[www.cnet.com](http://www.cnet.com) (click Price Comparisons, then Computer Components, then Motherboards and browse by category)  
[www.shopper.com](http://www.shopper.com) (type in motherboards)  
[www.streetprices.com](http://www.streetprices.com)

Have you visited a SIG lately? Check the Calendar on page 13 for the dates of the SIGs or the KIPCUG Special Interest Group Directory on page 14 for a listing of locations and SIG Leaders.

## New Logo

By Susan Moore, KIPCUG

KIPCUG has a new logo. The logo was approved by the Board of Directors at the November meeting to consist of Arial letters all in caps with the letters being black except for the middle two letters. The PC would normally be blue but 25% grayscale can also be used if color is not available. This logo would be used for all purposes since it has the advantage of being easily created in Word or stitched for clothing items.

This does not change the color rotation of the KIPCUG logo on the front of the I/O. The middle two letters will continue to be the rotation color of the I/O. We have been rotating between red, cyan and green.



KIPCUG

and the

PALM PDA SIG

wish to thank

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Palm PDA Special Interest  
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KIPCUG Member

# Down the Road

By Matthew Mercurio, KIPCUG

As I sit at my keyboard looking out my office window, I notice a crisp layer of frost covering the frozen ground outside and I think to myself, "Does this mean winter is finally here"? In an unseasonably warm beginning of the season, one would think winter is running a little behind schedule this year. Maybe the frost is just old man winter's way of giving us a glimpse as to what may lay ahead in the next few months. I certainly believe the later is just as accurate as the statement, "Windows is preparing to install drivers, please wait as this process may take a few minutes to complete."

I too; would like to offer my thoughts about different technological advances we may see in the coming year. I'm no Nostradamus mind you, nor do I claim to be any kind of a prognosticator. However, I do try to keep up with the latest technology news and trends. I also listen very carefully to the industry gossip traded around the water cooler. Couple these resources with the involvement of the very talented 84OnLine Team, the numerous emails sent to us each week by computer users, the fact that I have subscriptions to at least 10 different trade magazines and the result is; I get an opportunity to see many different trends come across my desk.

So like I said, I would like to throw out for debate, what I think may be coming down the technological road in the year 2002. Take these nuggets as you may, I only offer them in my humble opinion.

Ten Technical Trade Trends in 2002, in no particular order.

1. **Cell Phones** - Look for big things from these manufacturers

- a. Microsoft's Stinger and Smart Phones
- b. Motorola i90C, i80 and Accomplice 009 World Phone
- c. Nokia
- d. Ericsson

2. **PDA's** - On Tap for 2002

In 2002, we should see major advancements in the PDA industry from folks like, Compaq iPaq, Microsoft's The Stinger, Sony, HP and of course; Palm.

I expect the iPaq and the new Microsoft Stinger to be the front runners next year. Keep an eye on HP's attempts as well.

Top ten selling PDA's as of 12-01 (source cnet.com)

1. Palm Vx
2. Palm 505
3. iPaq 3850
4. iPaq 3650
5. iPaq 3670
6. iPaq 3635
7. Palm m105
8. Sony CCIE PEG-N760C
9. Palm VIIx
10. Palm V500

3. **XM Radio** - Comes as an add-on device to existing car radios or a completely separate device to allow 100 digital radio channels anywhere/anytime cost: about \$300.00. I expect a brief spotlight stealer in Q1 and early Q2 then fading to black until mid Q4 where it may regain some momentum.

4. **Microsoft's .Net Server and .Net Services** - Microsoft will make a charge to deploy .Net services to wireless apps like mobile phones and PDA's. Also .Net Server for corporate enterprises may come to

fruition sometime late Q3.

5. **Gaming Wars** - Xbox, PS2, and Nintendo's Game Cube will spark a gaming revolution late Q1 to early Q2. A spark will ignite in consumers to build/buy their own gaming PCs.

6. On the **consumer electronics** front -

A. Gaming PCs - Consumers will take advantage of newer, more powerful chipsets, motherboards, and processors to build/buy their own gaming machine.

Some of these technologies to watch for will be:

i. CPUs - P4s - Will be a strong leader most of the year with an eye on late Q3 to see advancements in the 3 Ghz range.

ii. Chipsets - The VIA p4x266 chipset will vanish and give way to the cost effective SiS 645 P4 and the more expensive yet still mainstream 845 w/DDR support solution's. Athlon's VIA KT266A will also be a chipset of choice. On the beefy side, look to Intel's introduction of the "Plumas" chipset. This will be the first "Dual-Channel DDR solution for the Xeon processor due to debut sometime in Q2. Nvidia's nForce chipset will not be well received next year as the general consensus at Comdex was that the chipset still has too many issues to workout.

iii. Video Cards - Kyro II, Nvidia's GeForce 3, and ATI's Raedon 8500 for Windows XP will be the strong front runners. ATI's Raedon 8500 will introduce "Smoothvision" and the new XP driver on it's chip will swing the vote for the disgruntled ATI owners who are struggling to get XP drivers. All in all, any of these cards will make for a great

# Down the Road (cont.)

gaming or video editing solution.

To round out consumer electronics, look for these electronic gizmos to become hot items on everyone's wish list...

- B. DVD Players
- C. PC Tablets
- D. High definition televisions

All the above will make a strong surge somewhere between Q2 and Q4.

Also F.Y.I, as of 12-01, the top ten selling PC's were: Dell's 4300, 8100, 8200, and OpiPlex Gx240 took all positions except for the #2 and #3 slots which were held by #2 Compaq's Armada E500, and #3 Compaq's Presario 70 US Duron 900Mhz model. Source: cnet.com

**7. Consumer broadband** - The recent Excite @Home debacle will result in the emergence of smaller broadband carriers. However, in the larger arena, AOL's Broadband service will be the front runner as early as late Q1. I look to AOL gathering a large portion of the consumer broadband market. AT&T will make a comeback from being sidelined by the Excite investors. DSL will make its run at the same time however, but won't be as well received until sometime Q2. Look for Iglou DSL, EarthLink DSL, and BellSouth DSL to make DSL a real affordable choice. Satellite Broadband Internet becomes more usable and will be a choice in late Q2 as well.

## **8. Operating Systems -**

Linux makes leaps and bounds to find its way into the business community. However, consumers will not be ready to embrace the open

source OS in the next year. Keep trying little penguin as I have faith you will take your place amongst the giants real soon.

MicrosoftOS Beta - Hold onto your keyboards, just as we welcomed XP into our homes, Microsoft is planning the next OS as I share these words with you. I look to see a code-named beta version mid Q4. Not confirmed, but I think the codename is Blackfoot, or something like that...maybe it will be BlackSheep, heh heh.

**9. Technical Job Market** - Being in the IT profession myself, I get a little nervous when I look at this next prediction. Unfortunately, I see the "Outsource Trend" taking place as early as Q1 and lasting the better part of the year. The IT industry was in a downward trend even before the events of 9/11 and I think it will continue. Corporations are seeing advantages to "Outsourcing" their needs, as opposed to maintaining an expensive IT department. If you are pondering an IT career, I strongly recommend getting the certifications and joining a reputable consulting firm.

**10. Home networking** - In reality, this item should be a lot higher on this list, but since the list is in no particular order and the fact that I just now saw it in my "chicken scratched" resource notes, I am including it at number 10. The roll-out of broadband connectivity to the consumer has stirred a huge movement to network our home computers. Networked computers will allow us to take advantage of the big pipe. Spun off from this movement, the use of many devices such as: Firewalls, Routers & Hubs, and

Wireless Access points will be widely used.

Some devices to watch for are...

a. Firewalls such as Norton's Software Solution, LinkSys Routers and the SonicWall hardware solutions will be big.

b. Internet Sharing devices such as the AnalogX, Proxy+ and the Sygate software solutions will be appealing. Hardware devices such as LinkSys and D-Link routers are recommended as well.

c. Wireless access points will be big. Plain and simple, more and more consumers will take advantage of the 803.11b protocol in using devices such as: MAC's Airport, LinkSys's wireless router and the new D-Link Wireless router. Special note, I look for the D-Link to be a big hit as it introduces a new device that operates on a 5.2 Ghz frequency. I also see an 800 foot range LinkSys somewhere around late Q2 or early Q3.

I want to include a 'honorable mention.' The great Napster debate will find some resolve by late Q2. Subscription services will be rolled out as well during Q2 with Napster leading the way.

This rounds out my predictions. As I have said earlier, I am no super human being with telepathic or extra sensory capabilities. However, I do recognize a gut feeling when I have one. Maybe I am confusing the "Gut Feeling" with my bad attempt at last night's meat loaf. Anyway, these are just my opinions, you make your own decisions as to agree or disagree.

# Directory of KIPUCG Leaders

Name	Position	Home	Work
John Markham	President	282-5186	327-9367
Steve Goldberg	Vice-President	366-2962	
Delores Eisenbeis	Secretary	429-5155	
Anthony Kranski	Treasurer	239-9597	
Matthew Mercurio	Program Director	499-5222	
Susan Moore	Membership Director		
Vacant	Volunteer Director		
Charley May	SIG Director	425-4604	587-3824
David Brooks	Webmaster	454-4421	852-6052
William Cull	Editor, I/O Magazine		
Charlie Johnson	Publicity Director	239-1234	
Mike Shaikun	Legal Advisor	425-3326	587-3540
Joe Rothstein	Review Editor	451-3874	459-9751
Larry Mand	Director		941-2384
Roger Klingeman	Director	245-9518	
Charles Russman	Director	244-0667	589-5794
Bob Garst	Director	897-2820	
Jason Bagley	Director		797-4675
Marvin Livingood	Director Emeritus	459-8888	459-8888
Alan Birch	SIG Leader	429-0506	
Martin Campion	SIG Leader	810-9125	
Sam Cooke	SIG Leader	423-9920	
Lisa Disselkamp	SIG Leader	253-9900	
Joan Combs Durso	SIG Leader	608-6834	
Paul Gilles	SIG Leader		896-6676
John Kilpatrick	SIG Leader	635-1153	
Grant McCormick	SIG Leader	935-2497	266-9999
Tom Scanlan	SIG Leader	502-477-1639	477-1639
Keith Stenger	SIG Leader		429-5501
Jim Travelstead	SIG Leader	375-4796	852-4761
Doc Viele	SIG Leader	452-6878	

## For Your Information

Changes for mailing address, email address or telephone numbers should be sent to Susan Moore, Director of Membership. You can send the change to the KIPUCG mailing address printed on the back of the I/O or e-mail to mooresk@win.net.

## I/O Submissions

Articles submitted to I/O should be submitted as a Word document and submitted one month in advance. If graphics are included, they should be submitted in TIF file format whenever possible.

## Advertising Rates for I/O

Ad size	Rate
Per 1 col. inch (2.25" wide)	12.00
Half Page (3 col x 5")	140.00
Full Page	250.00

NOTE: I/O is published electronically in addition to its printed edition. Advertising materials not supplied in electronic form will **not** be included in the electronic edition.

Ad sizes must be in full column width and in one inch depth increments.

Discount	Rate
Three consecutive insertions	10%
Twelve consecutive insertions	20%
Special discounts offered to KIPUCG members (In addition to other discounts)	Call

All Advertising must be paid for at the time of submission or on approved PO. Rates are for electronic (TIF PDF) copy in gray scale. The submission deadline for advertising materials is the first of the month for the next month's publication.

Send all advertising materials to: KIPUCG Address - Attn. Editor  
Call (502) 499-5222 or send e-mail to: mooresk@win.net.

## KIPUCG Supporters

Please support them with your business

The vendors listed have contributed hardware or software to KIPUCG to assist in production of the organization's monthly newsletter. We encourage you to support these vendors who are helping to support our organization.

Lexmark	Optra R+ Laser Printer
Adobe	PageMaker 6.5
Intuit	Quicken 5.0

## BugNet

To be added to the list of members receiving BugNet, send an e-mail with your name, membership number, preferred email address and phone number to Finis Gentry at fegentry@yahoo.com stating that you would like to receive the BugNet Alerts.

# January 2002 KIPUCUG Planner

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# KIPCUG Special Interest Group Directory

**ACCESS PROGRAMMING SIG** - Meets 10:00 AM on the 4th Saturday of the month at the NHCLC. See Below. Contact SIG LEADER John Kilpatrick at 635-1153 or jewel@win.net

**ADVANCED USERS SIG** - Meets 6:30 PM on the 3rd Friday of the month at CCUM. See Below. Contact SIG LEADER Tom Scanlan at 1-502-477-1639 or tpscan@bluegrass.net

**BASIC ACCESS SIG** - Meets 10:00 AM on the 2nd Saturday of the month at the NHCLC. See Below. Contact SIG LEADER Alan Birch at 429-0506 or abirch52@excite.com

**COMMUNITY OUTREACH SIG "NEW"** - Meets only on scheduled months on the 3rd Tuesday at Wayside Christian Mission at Shelby and Market Streets. Contact SIG LEADER Jason Bagley at 797-4675 or wcm.edutech@juno.com

**EXCEL INTERMEDIATE SIG "NEW"** - Meets 6:30 PM on the 4th Wednesday of the month at CCUM. See Below. Contact Charley May, 425-4604 or sig@win.net

**GENEALOGY SIG** - Meets 6:30 PM on the 3rd Monday of the month at the LFPL-Eline Branch. See Below. Contact SIG LEADER Susan Moore at 499-5222 - mooresk@win.net (www.win.net/mooresk)

**GENEALOGY II SIG** - Meets 6:30 PM on the 2nd Thursday of the month at the LFPL-Jeffersontown Branch, 10635 Watterson Trail. Contact SIG LEADER Susan Moore at 499-5222.

**HARDWARE SIG** - Meets 6:30 PM on the 1st Monday of the month at the LFPL-Eline Branch. See Below. Contact SIG LEADER Grant McCormick at (wk) 266-9999 ext. 213, (home) 935-2497 or CO-LEADER Charley May at 425-4604 or hardware@sig.win.net

**INTERMEDIATE USERS SIG** - Meets 6:30 PM on the 4th Monday of the month at CCUM. See Below. Contact SIG LEADER Jim Travelstead, 852-4761(W), 375-4796(H) jim.travelstead@louisville.edu

**INVESTING SIG** - Meets 6:30 PM on the 2nd Thursday of the month at the Louisville Aero Club, Bowman Field. We do not discuss the merits of Mutual Funds. SIG LEADER Doc Viele at 452-6878 for details.

**LINUX SIG "NEW"** - Meets 6:30 PM on the 3rd Wednesday of the month at the NHCLC. See Below. Contact Charley May, 425-4604 or sig@win.net

**LINUX LAB SIG "NEW"** - Meets 10:00 AM on the 4th Saturday of the month at the LFPL-Eline Branch. See Below. Contact Charley May, 425-4604 or sig@win.net

**NEW USERS SIG** - Meets 6:30 PM on the 2nd Monday of the month at the NHCLC. See Below. Contact SIG LEADER Charley May at 425-4604 or sig@win.net

**ORACLE SIG "NEW"** - Meets 6:30 PM on the 1st Wednesday of the month at Quilogy. See Below. Contact SIG LEADER Keith Stenger at 429-5501 or kstenger@quilogy.com

**PALM PDA SIG** - Meets 6:30 PM on the 3rd Tuesday of the month at FranklinCovey store in The Mall St. Matthews. Contact SIG LEADER Paul Gilles at 896-6676 or CO-LEADER J. Price Hanna III at the same telephone number or at jpricehanna@hotmail.com

**POCKET PC SIG "NEW"** - Meets 6:30 PM on the 4th Tuesday of the month at the Louisville Free Public Library, Bon Air Regional, 2816 Del Rio Place. Contact SIG LEADER Sam Cooke at 423-9920 or CO-LEADER Matt Coddington at matt@multimatt.com or 608-1561

**TECHNICAL MARKET ANALYSIS SIG** - Meets 6:30 PM on the last Tuesday of the month at Louisville Free Public Library, Crescent Hill Branch, 2752 Frankfort Ave. in the lower level meeting room. Contact SIG LEADER Lisa Disselkamp at 253-9900 or disseleglm@juno.com or CO-LEADER Myron Smith at 897-7718 or MJSLKS@home.com

**VISUAL BASIC SIG** - Meets 7:00 PM on the 2nd Thursday of the month at a location to be determined.. Contact SIG LEADER Martin Campion 810-9125 or mccampion@aol.com

**WEBMASTERS SIG** - Meets on the 3rd Thursday of the month at 6:30 PM at Quilogy. See Below. Contact CO-SIG LEADER Keith Stenger at 429-5501 or SIG TEAM MEMBER Warren Lang at lbear@aye.net

**WINDOWS 2000 SIG** - Meets on the 4th Thursday of the month at 6:30 PM at Quilogy. See Below. Contact SIG LEADER Keith Stenger at 429-5501 or kstenger@quilogy.com

**YOUTH SIG "NEW"** - Meets 6:30 PM on the 4th Friday of the month at CCUM. See Below. Contact SIG LEADER Joan Combs Durso at 608-6834 or econoprof@aol.com

## Locations with Multiple SIGs

**CCUM** (Christ Church United Methodist) - Located at 4614 Brownsboro Road. (US 42 & Blankenbaker Lane) in the Computer Lab (Room 222).

**LFPL** (Louisville Free Public Library)-**Eline Branch** - Located in the St. Matthews City Hall Building at the corner of Grandview Ave and Fairfax Ave. about 3 blocks south of Shelbyville Rd.

**NHCLC** (New Horizons Computer Learning Center) - Located at 10200 Linn Station Road in Suite 110 of the Triad East Building.

**Quilogy** - Located at 9960 Corporate Campus Drive, Suite 1200, off North Hurstbourne Lane, across from the UPS Bldg.

# The SIG Scene

By Charley May, SIG Director

**Where to find the scoop on  
your Special Interest Group**

## **HEADLINE NEWS**

Important notice, two KIPCUG SIGs are looking for new homes. Please keep your eyes and ears open for new SIG meeting locations and report suggestions to KIPCUG's Director of SIGs. Locations should hold 12-24 persons and computers for the attendees would be a plus.

This month we are looking for a member that is willing to teach other members the basic operations of Microsoft Excel and operate a new BASIC EXCEL SIG. If you can help or can suggest anyone that would be ideal to help others, please call or email Charley May.

INTERMEDIATE EXCEL also needs a new SIG LEADER, as we are now without a SIG LEADER, since past SIG LEADER Phil Whitehouse's business responsibilities have continued to take more and more of his time, forcing him to resign as SIG LEADER. Thanks Phil for all your hard work with this SIG. If you can help with this SIG please call or email Charley May 425-4604 or sig@win.net.

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## **ACCESS PROGRAMMING SIG**

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At the November 17, 2001, meeting, John Kilpatrick showed two databases. The first database allowed the user to enter topics that will go into an instruction manual.

The report that the database produces is an HTML document with general and detailed contents that are all hyperlinked to the topics in the manual.

The second problem was an ASP (Active Server Page) script that was a nearly universal HTML form reader, which takes the content of the form and sends it to an Access table. That database produced a report showing the questions and answers for each form received. These two together showed how to receive HTML forms and write HTML documents using an Access database.

The ACCESS PROGRAMMING SIG did not meet in December due to the holidays.

In January, at a new location to be announced, John's Guest Presenter, Matt Wehrle will give a presentation on using the File System Object in Visual Basic. This is a powerful object for manipulating disk files. Matt gives excellent presentations and this is important information.

February's topic is to be announced.

The ACCESS PROGRAMMING SIG assumes a good working knowledge of Access and focuses on issues needing programming and advanced techniques. If you have a problem or topic suggestion email SIG LEADER John Kilpatrick at jewel@win.net.

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## **ADVANCED USERS SIG**

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The ADVANCED USERS SIG meets in the Computer Lab (Room

222) of Christ Church United Methodist at 6:30 PM on the third Friday of each month. CCUM is at 4614 Brownsboro Road (US 42) at the Blankenbaker Lane traffic light.

The ADVANCED USERS SIG explores software and hardware topics of interest to people very comfortable with the daily use of their computer who want to know more. We encourage everyone to share their experience because we are all learning.

The ADVANCED USERS SIG with its LEADER, Tom Scanlan held its November 16, 2001, meeting at 6:30 PM and discussed how to identify the real sender of an email. We continued our examination of emails that can infect Microsoft mail products when received and processed, as we continue to investigate how they operate. Tom showed us how to "look" at a potentially malicious email using a "SAFE" method, which lets the operator view the email as text to see how it acts, and how we can avoid problems by knowing what to look out for! We also discussed the changes in memory prices, anticipating price increases. The last question dealt with the new ATA-100 and 133 drives.

During this topic cycle, the ADVANCED USERS SIG is exploring how TCP/IP networks operate, so that we can understand how data, like an email moves from sender to receiver, and how that network transfer impacts us. This is an in-depth approach to understanding how internet mail and mail programs functions and how they expose us to worms, viruses or loss

# The SIG Scene (cont.)

of privacy. There is much more to know about how mail programs and web browsers work, and Tom is striving to lay the groundwork for a thorough understanding of networking.

Email is just one element of networked communications. For future meetings, Tom wants us to look at "Internet Communications" (like IM, ICQ, MSN messenger, Net Meeting and VOIP), how they work and their related security issues.

If you would like more information about the ADVANCED USERS SIG contact Tom Scanlan (502) 477-1639 or [tpscan@bluegrass.net](mailto:tpscan@bluegrass.net).

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## **BASIC ACCESS SIG**

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In the December 8, 2001, meeting at New Horizons Computer Learning Center, SIG LEADER Alan Birch continued with the database that we normalized in November. SIG LEADER Alan Birch shared a basic structure of the database with some of the tables that were discussed when doing the normalization. With these tables, we could look at the construction and the effects of choices about the field types and the formatting. We also used other tables to make a choice list to fill in information rather than typing, which makes things easier and minimizes mistakes. Building some queries showed how to combine, sort or select data to make it useful information.

On January 12, 2002, we will work some more on these database examples to address some issues of

data entry and building some forms. Another member will bring a database to our meeting for discussion in January or February. We will critique it and hope to possibly improve it. From there, we will look at building reports.

Future topics will include things like looking at the different types of queries, linking to outside databases and structuring queries.

In the BASIC ACCESS SIG, we focus on using just the functions available in Access without getting into programming. If you have a topic that you want to learn more about or have a problem to share, contact SIG LEADER, Alan Birch, 429-0506 or [abirch52@excite.com](mailto:abirch52@excite.com).

We meet the second Saturday of the month from 10:00 AM to Noon at the New Horizons Computer Learning Center.

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## **COMMUNITY OUTREACH SIG (NEW)**

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Please plan to attend the January 15, 2002 meeting of the COMMUNITY OUTREACH SIG and meet with its New SIG LEADER, Mr. Jason Bagley. Jason held the very first meeting of the New SIG (split from the HARDWARE SIG) on October 16, 2001 at 6:30 PM with attendees diagnosing and fixing up a variety of old 586 and 486 PCs. The repairs mostly involved replacing parts, such as: floppy disks, video cards, and hard drives -- as well as some routine cleaning of internal components. All of the PCs repaired at Wayside are given to individuals

who could not otherwise afford them. Some of the people that reside at Wayside are presented with a computer upon completion of the WCM computer-training program.

All meetings will be scheduled for the third Tuesday of the scheduled month, with a total of five meetings a year. Future meetings will be announced here and be listed on the KIPCUG Planner Calendar. Of course, the meeting location will be Wayside Christian Mission's Education Center, 216 South Shelby Street, just south of Market Street and hosted by SIG LEADER Jason Bagley.

Please show your support in aiding the people of Wayside, as well as low-income residents of the Kentuckiana area. Your support will provide deserving people with the tools needed to further their interest and education in computers.

Contact SIG LEADER Jason Bagley at [wcm.edutech@juno.com](mailto:wcm.edutech@juno.com) or 797-4675 for more info or if you wish to be added to the email notification list. Please type "Add me to COMMUNITY OUTREACH SIG list" in the subject line of the email..

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## **EXCEL INTERMEDIATE SIG (NEW)**

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The EXCEL INTERMEDIATE SIG has been meeting on the fourth Wednesday of the month at 6:30 PM at the CCUM Computer Lab (Room 222), located at 4614 Brownsboro Rd. This location is at the intersection of Brownsboro Road (US 42) and Blankenbaker Lane. We think

# The SIG Scene (cont.)

you will be very pleased with this new location as it has 12 computers for use by SIG attendees. However we are now without a SIG LEADER, as past SIG LEADER Phil Whitehouse business responsibilities have continued to take more and more of his time, forcing him to resign as SIG LEADER. Thanks Phil for all your hard work with this SIG. If you can help with this SIG please call or email Charley May 425-4604 or sig@win.net.

The December meeting was cancelled due to the Holidays.

The January 23, 2002 meeting will be held at 6:30 PM, topic to be announced.

The EXCEL INTERMEDIATE SIG assumes a basic working knowledge of MS Excel and the SIG LEADER will help you learn additional methods of building and using spreadsheets.

If you are interested in future meetings, please send your name, phone number and preferred email address to Charley May at sig@win.net (type "EXCEL INTERMEDIATE SIG" in the subject line) to receive meeting notices.

## **GENEALOGY SIG**

On November 19, 2001, the GENEALOGY SIG held its meeting at the Eline Branch of the Louisville Free Public Library. The presentation was List of ... Reports and Searching. List of ... Reports can retrieve information based on the attributes of your data.

Searching is built into the reports where Boolean logic is used to retrieve the specific records requested.

The December 17, 2001 meeting will be Sentence Structure and the Genealogy Report. Sentence Structures are the formulas that control how your text is worded on narrative reports. The Genealogy Report produces the book format (in sentences) including the table of contents, footnotes, indexes and bibliography.

The January 21, 2002 meeting will be cancelled because the Library is closed on Martin Luther King Jr.'s Birthday.

The February 18, 2002 meeting will be Family Tree Super Tools. This is an add-on program for TMG Version 4 that will be absorbed into TMG version 5. For non-TMG users (Family Tree Maker, Personal Ancestral File, Ultimate Family Tree, Family Origins and Legacy) Super Tools can enhance their current program. Super Tools can manage multiple projects, search the web with one click, build multimedia slideshows, see the historical picture, make heirloom quality charts, reveal hidden patterns and even enable you to utilize a wall chart printing service at very reasonable costs.

If you have any particular questions before the next meeting, please email Susan at mooresk@win.net. If you want a map or directions on how to get to the SIG, go to "www.win.net/mooresk".

## **GENEALOGY II SIG**

KIPCUG SIG's are very pleased to announce that the GENEALOGY SIG is expanding its horizons with an all new GENEALOGY II SIG. This SIG is born due to the continued success of the GENEALOGY SIG and the need for more time to answer the many questions asked each month at the original SIG. Existing SIG LEADER Susan Moore will expand the KIPCUG Genealogy training area of interest with the addition of the GENEALOGY II SIG. The new SIG will have its first meeting on January 10, 2002, and continue to meet on the second Thursday of the month at 6:30 PM at the Jeffersontown Branch of the Louisville Free Public Library. The GENEALOGY SIG has been popular with KIPCUG Members and has drawn many new members to KIPCUG.

The new SIG is going to be an informal Question and Answer session without any handouts. Topics will not be announced ahead of time because the participants will determine the content of the meeting. Short subjects will be presented from time to time when there are insufficient questions.

If you have any particular questions before the next meeting, please email Susan at mooresk@win.net.

If you want a map or directions on how to get to the SIG, go to [www.win.net/mooresk](http://www.win.net/mooresk) and click on the GENEALOGY II SIG.

# The SIG Scene (cont.)

## **HARDWARE SIG**

The December 3, 2001, meeting was held at our regular meeting location, the LFPL Eline Branch. Due to Grant being in the Hospital and Charley being out of town, the HARDWARE SIG was graced with a legendary Hardware Guest Presenter, Mr. Tom Scanlan. Tom held attendees on the edge of their chairs with his presentation on the current crop of motherboard upgrades. Tom had a stack of hardware to look at, including an over-clocked MSI motherboard with an Athlon XP 1600+ CPU, DDR RAM and a RAID controller. Running brief benchmarks put some numbers to attendees' impressions.

The presentation began with a warning about overblown expectations. The newest hardware is FAST, but unless a system is balanced to the workload, you will not see the benefits. Therefore, new memory types like RAMBUS and DDR may be as important as a new CPU.

We heard about how new motherboards integrate special chipset features to keep data pumping into and out of the system to support the new Pentium 4 and Athlon XP processors. We discussed memory options, BIOS selection and other essential features you would want to have in your new machine. An article elsewhere in this month's newsletter gives many more details.

Thanks Tom for covering for the HARDWARE TEAM and giving such an interesting presentation. We

hope to see you back soon with more on this subject.

The topic for the January 7, 2002 meeting is "choosing a CD-ROM Burner", what are the "must" requirements. The actual installation will be performed right before your eyes, so that you can go home and install your own. We will also talk about how the CD-ROM Burner can be used to produce backups of the information on your computer, in case bad things happen to your computer. Of course, these backups can be easily stored on or off-site. In preparation for the February meeting, we will talk about how these CD-ROM Burners can be used when the time finally comes to wipe that Hard Drive clean and reinstall things to bring back that blinding speed your computer had when you first bought it.

The February meeting will cover how to do that nasty job of re-formatting your Hard Drive and doing a clean install of Windows, your Programs and your files (that you saved on your new CD-ROM Burner).

If you have a HARDWARE problem that you would like to bring to the meeting to hopefully be solved, PLEASE call one of the phone numbers listed in the SIG Directory. This will get you in the queue so that the HARDWARE TEAM MEMBERS can be prepared to handle your problem. With this advance planning, you may not have to bring as much of your computer equipment with you and the HARDWARE TEAM will be better prepared to help you.

If you would like to receive a reminder notice of our SIG meetings, send an email to sig@win.net and on the subject line insert "Add me to HARDWARE SIG List".

## **INTERMEDIATE USERS SIG**

In the November 25, 2001 meeting SIG LEADER, Jim Travelstead explained how the Internet started (as a research project of the Defense Dept. started in 1969). Jim covered how the Internet really uses numerical addresses (216.24.27.10) not the alphabetical you type in (www.kipcug.org). He explained how each connection to the Internet gets a IP (Internet Protocol) address and this is translated from alphabetical to numerical or numerical to alphabetical by the DNS (Domain Name System), these are special root servers that have databases of each TLD (Top Level Domain), i.e. current TLDs include com, org, net, edu, mil, gov, int & 2 character country codes, i.e. us. The numerical address is made from 4 sets of up to 3 numbers designating each address. The numerical and alphabetical addresses of your ISP (Internet Service Provider) and of other web sites (the www.xxxxxx.zzz part) are registered in the Domain Name Registry. Future TLDs to be added are aero, biz, coop, info, museum, name, pro.

Jim then went over how Broadband routers are good to use if you need to share Internet access with more than one computer. Broadband routers come in 2 types (wired or Wireless), Wired routers

# The SIG Scene (cont.)

use Ethernet cables from your Cable or DSL modem to the router then also use Ethernet cables from the router to a network adapter in each computer. Wireless routers use a Ethernet cable from a Cable or DSL modem to the router then use 802.11a(WI-FI) and wireless network adapters in each computer. These routers use either of 2 sets of IP address that do not go across the Internet, to be used for internal or home networking. The router gets the IP address on the internet and creates IP address for each computer on your home network, thus keeping your machines on your home network secure from being seen on the internet (this does not protect them from viruses/worms from attachments in email). Virus protection is still needed; also, a local firewall such as ZoneAlarm, Norton Internet Security or BlackIce should still be used to protect outgoing packets. We finished up by going over how to hook up a Broadband router.

The INTERMEDIATE USERS SIG meets in the Computer Lab (Room 222) of CCUM at 6:30 PM on the fourth Monday of each month. CCUM is at 4614 Brownsboro Road (US 42) at the Blankenbaker Lane traffic light. Directions are on the CCUM Web Site [www.ccum.net](http://www.ccum.net) or on the KIPCUG Web Site [www.kipcug.org](http://www.kipcug.org).

There was no meeting in December due to the Holiday week.

In January, Jim will help attendees with computer Christmas gift problems (that new program that just will not work or other computer additions).

The INTERMEDIATE USERS SIG focuses on the various versions of MS Windows software, its features, method of operation, problems and all the hints and tips that Jim knows that you will be interested in. This SIG is for users comfortable with the daily use of their computer who want to learn more. In other words, you have mastered your fear of computers and are willing to push the envelope a little. We welcome discussion and a chance for everyone to learn.

If you have any questions, bring them to the SIG or email Jim at [jim.travelstead@louisville.edu](mailto:jim.travelstead@louisville.edu) and Jim will have your answer at the next SIG meeting. Want to get on Jim's email notification list? Send him a short note with "Add me to KIPCUG INTERMEDIATE SIG Meeting email list" in the subject line.

## INVESTING SIG

SIG LEADER Doc Viele moderates the INVESTMENT SIG discussions, which have been ongoing since 1986. There were 12 attendees at the December 13, 2001 6:30 PM meeting. Meetings consist of round table information exchanges on any economic subject of current interest to the group. Questions and presentations are encouraged.

The next SIG meeting will include general information on investing and the usual information exchange. The INVESTING SIG meets the second Thursday of the month at the Louisville Aero Club, at 6:30 PM. This is not an investment club; they

DO NOT discuss mutual funds.

## LINUX SIG (NEW)

The November and December meetings were cancelled due to the holidays.

At the January 16, 2002 meeting, attendees will discuss their experiences, problems and goals with using Linux. Previously we discussed various other aspects of Linux, such as the X Windows System, the file system, performance, security issues and other applications. Using this information, we have decided on a direction to learn how to use and build a base system together. We will be exploring this in a distribution independent format as much as possible.

The new LINUX LAB SIG has been formed and attendees can now meet twice a month if they wish (to speed things up). The LINUX SIGs will be able to serve more members.

Want to be notified about future meeting subjects? To be added to the email list, send an email to [sig@win.net](mailto:sig@win.net) and type "LINUX SIG?" in the subject line.

Please come, support the LINUX SIG and bring your suggestions to help give us a direction for this SIG. TEAM MEMBERS, Chris Parrish and Joan Combs Durso are still available to help you. The SIG will not limit itself to any one "brand" of Linux OS or Linux applications and will gradually work its way through all the different "brands" available. If you are an established user of

# The SIG Scene (cont.)

Linux, please come help with a future presentation.

For information, contact Charley May at 425-4604 or sig@win.net.

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## **LINUX LAB SIG (NEW)**

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The newly formed LINUX LAB SIG attendees meet each month, to work on member's equipment, including the installation of Linux and Linux programs. This new LINUX LAB SIG is held on the fourth Saturday morning (10:00 AM until Noon +) of each month at the Eline Branch of the Louisville Free Public Library (upstairs meeting room). We will be meeting each month to build Linux Boxes (Computers). The LINUX TEAM will be there to help YOU build and get YOUR Linux Box up and running.

KIPCUG members can now meet twice a month if they wish to progress faster. The regular LINUX SIG meets at New Horizons Computer Learning Center on the third Wednesday of the month.

There will not be a meeting in December due to the Holidays.

The LINUX LAB SIG is looking for members interested in finding out how to install, setup and operate the Linux Operating System on their machines or other attendees' computers. So drag that old used computer out of the closet, bring it to the LINUX LAB SIG and let us help you get it leaping with Linux. Each month we will work on setting up members' computers, updating, con-

figuring and installing open source software on them.

KIPCUG will be able to serve more members due to the two locations. Please try to come to future meetings and start building your Linux Box with the help of the LINUX TEAM MEMBERS. If you are an established user of Linux, please come help others get their Linux Box up and running. For information contact Charley May at 425-4604 or sig@win.net

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## **NEW USERS SIG**

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The December 10, 2001, meeting covered viruses, access to your computer through the internet and the importance of virus protection and firewalls.

In January, we will start looking at word processors and evaluate the differences between the ones generally available to most computer users.

If you are a new computer user or just want to review, please consider coming to the NEW USERS SIG. We don't go too fast, Charley leads attendees through each step of each feature and you learn hands-on by following the presentation on your NHCLC computer.

SIG TEAM MEMBERS, Dick McGavic, Ken Dawson and Susan Moore plus SIG LEADER Charley May will assist you if you get hung up during the presentation. So come meet with us, have some fun and learn something new!

If you want to be on the NEW

USERS SIG email notice list, please type "NEW USERS SIG?" on the subject line of your email and send to sig@win.net.

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## **PALM PDA SIG**

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The PALM PDA SIG met on November 20, 2001, the third Tuesday in the PDA lab in the back of the FranklinCovey store in The Mall St. Matthews. The topic was New Products and Hardware Add-ons. The latest models of Palm OS devices were described in detail and demonstrated for all attendees to see. Samples from the variety of hardware that can be connected to Palms include keyboards, modems, wireless accessories, digital cameras, GPS navigation and pocket scanners, an excellent presentation and a good time to make a list of stocking stuffers!

The growth of the SIGs has resulted in a complete PDA-lab containing computer, printer, CD-ROM drive and DSL Internet connection. We will continue to use a video camera to enlarge the pocket-sized units onto a video monitor so everyone can clearly see what is happening.

The PALM PDA SIG did not meet in December since the level of pre-Christmas activities among the SIG members and at the PDA lab at Franklin-Covey was much too high!

In January, we will put the NEW PDA Lab to good use!! For the first time, we will get online to check out PDA websites. We will look at sites where you can download programs,

# The SIG Scene (cont.)

buy accessories and even get helpful hints. Also in January, we'll show how to download programs onto your PDA from the Internet and from your desktop.

We will have door prizes as well as FOOD. That's right. Snacks return to the PALM PDA SIG!! Come at 6:30 on January 15 and bring your PDA and your questions.

We meet at 6:30 PM at Franklin-Covey in The Mall St. Matthews. Bring your pocket pal (for beaming or loading shareware), some questions and a friend. Come on out on the third Tuesday for the PALM PDA SIG.

Want to be notified about future meeting subjects? To be added to the email list, please send an email to [jpricehanna@hotmail.com](mailto:jpricehanna@hotmail.com) or [sig@win.net](mailto:sig@win.net) and type "PALM PDA SIG email?" in the subject line of your email.

## **POCKET PC SIG (NEW)**

The November 27, 2001, meeting at our new meeting place, the Bon Air Regional Library, 2816 Del Rio Place, that runs off the corner of Goldsmith Lane, which is the first east/west street south of the Watterson Expressway and Bardstown Road. SIG LEADERS Sam Cooke and Matt Coddington hosted the meeting.

The Pocket PC SIG members decided they'd rather spend the 4th Tuesday (Christmas Day) with their families. Although such a display of mixed up priorities and lack of ded-

ication is reprehensible, we met on the following Saturday. We gathered at the Bon Air Regional Library for a 'program' of PPC related Christmas gifts received and discussion that centered around database programs for the PPC.

The January Pocket PC SIG Meeting, will include hands-on, live browsing of PPC related websites, downloading programs and related files into the desktop PC, and then using Active-Sync to put them into the PPC. We'll discuss some basic operations such as arranging files between the storage card and main memory. Come out on the January 28, 2002 the 4th Tuesday at 6:30 to the Bon Air Library to see all this live and on the big screen. And bring your PPC, some questions and any answers you have, and a friend.

The February 26, 2002, meeting will be a real treat with Tony Sims from Microsoft describing how to develop applications using the free downloadable resources from Microsoft. Naturally we'll have Q&A and some program demonstrations.

The new SIG will continue to focus on new Pocket PCs and new hardware add-ons like GPS, digital camera, modems, memory and software. Come on out, bring your Pocket PC and a friend. Our meetings are informal! You do not need a Pocket PC to attend our meeting! Come just to ask questions, get answers, see, and hear about the latest stuff! Come on out on the fourth Tuesday for the Pocket PC SIG and check out our web site at: <http://www.kipcug.org> and click on the Pocket PC SIG link.

Want to be notified about future

meeting subjects? To be added to the email list, send an email to Sam Cooke at [s.cooke@sigmaxi.org](mailto:s.cooke@sigmaxi.org) and type "Pocket PC SIG email?" in the subject line of your email.

## **TECHNICAL MARKET ANALYSIS SIG**

The TECHNICAL MARKET ANALYSIS SIG meet Tuesday night October 23, 2001 with 15 in attendance to see CO-SIG LEADER Myron Smith's Guest Presenter Richard Dickson, a new technical analyst at Hilliard Lyons. Richard Dickson joined Hilliard Lyons in the Research Department in May 2001. He is providing technical analysis of the stock and bond markets. Dickson comes to Hilliard Lyons from Richmond, Virginia, where he was a Research Analyst for Scott & Stringfellow for 16 years. He was also an Adjunct Professor at the University of Richmond. In that capacity he wrote and taught the first full-credit course in Technical Analysis at an American University. Dickson has a Bachelors Degree from Principia College and a Masters from the University of Virginia. His other credentials include serving as a member of the Board of the Market Technicians Association, which is a national professional organization of market analysts and chairing its long range planning committee and distance learning committee. He is presently Vice President and President-elect of the Market Technicians Association. Mr. Dickson's presentation was very educational and drew many questions on Multi-Collinearity which could not all be

# The SIG Scene (cont.)

answered in one meeting

There was not a meeting in December due to the Holidays.

Richard Dickson will return for a presentation at the January 22, 2001 meeting, which will finish the questions on Multi-Colinearity and then present Advanced Chart Reading using the Wyckoff Theory.

The TMA SIG meets on the fourth Tuesday of each month at 6:30 PM at the Louisville Free Public Library, Crescent Hill Branch, 2752 Frankfort Ave. in the lower level meeting room

For questions or to be added to the email list please send an email to [mjslks@home.com](mailto:mjslks@home.com).

For more information on meetings or meeting dates, contact CO-SIG LEADERS Myron Smith at 897-7718 or [mjslks@home.com](mailto:mjslks@home.com) or Lisa Disselkamp [disseleglm@juno.com](mailto:disseleglm@juno.com) or 253-9900.

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## **VISUAL BASIC SIG**

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The VB SIG met at New Horizons Computer Learning Center, on Thursday night, November 8, 2001 at 7:00 PM. SIG LEADER Martin Campion demonstrated a game project he is working on--a project involving the creation of a large number of game piece objects with graphical interfaces and rules attached. Martin showed how a user control with events could be added to a program dynamically, but also showed that apparently there was no way to assign such a control to an

array. While discussing this problem and trying various solutions proposed from the floor, other anomalies were noticed, and eventually consigned to the category, "Microsoft Mysteries".

Martin canceled the December 13, 2001 meeting.

January's topic and NEW meeting location is to be announced by email. KIPCUG and the VB SIG want to thank New Horizons Computer Learning Center for hosting the VB SIG for these many years and hopes that it may be possible to return to New Horizons Computer Learning Center in the future. A special thanks to Fred Soward, Mike Cobb, T. J. Duncan, Regina Thoman and Bob Goodwell for all of their help and the courtesies they have extended to the VB SIG.

If YOU have ANY interest in learning VB or think YOU might be interested, please come to this SIG and try it. If you would like to be added to Martin's email reminder list, email your address to Martin at [mccampion@aol.com](mailto:mccampion@aol.com) and type "add me to VB notice list" in the subject line of your email.

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## **WEBMASTERS SIG**

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The WEBMASTERS SIG meets on the third Thursday of the month at 6:30 PM at Quilogy, located at 9960 Corporate Campus Drive, Suite 1200, off North Hurstbourne Lane, across Corporate Campus Drive from the UPS Building. Both UPS and Quilogy are across from

McDonalds. (Warning: The doors are locked after normal working hours, but we have someone answer the door. Come to the door away from both McDonalds and UPS.)

At the November 15, 2001 meeting, we continued looking at the KIPCUG web page. We defined and rated the purpose of the KIPCUG web page and based on what we saw, proposed and rated the technical requirements. These were presented to the Board of Directors. We also reviewed the proposed web page organization, which would allow the menu to show with little or no scrolling. One of our members, Mike Doerhoefer, has put our first try on the trial page. At each meeting, we will be updating this page until we feel that it is ready to receive Board Approval and then be turned over to the KIPCUG Webmaster.

In addition, we will be helping other KIPCUG SIGs by setting up a separate page for KIPCUG Special Interest Groups as needed.

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## **WINDOWS 2000 SIG**

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The WINDOWS 2000 SIG meets on the fourth Thursday of the month at 6:30 PM at Quilogy, located at 9960 Corporate Campus Drive, Suite 1200, off North Hurstbourne Lane, across from the UPS Building.

For the October 25, 2001, meeting SIG LEADER Keith Stenger gave a great presentation on the Windows 2000 Registry.

The WINDOWS 2000 SIG will

# The SIG Scene (cont.)

not meet in November or December due to the holidays.

In January, Keith will be covering Terminal Server. Come out, learn and participate.

For more information on meetings or meeting dates, contact SIG LEADER Keith Stenger at 429-5501, [kstenger@quilogy.com](mailto:kstenger@quilogy.com) or SIG DIRECTOR, Charley May at 425-4604, [sig@win.net](mailto:sig@win.net).

## YOUTH SIG (NEW)

SIG LEADER Joan Combs Durso held the new YOUTH SIGs first field trip on Saturday October 27, 2001. We met at the Main Branch of

the Louisville Free Public Library (Fourth and York Streets) in the Books for the Blind Section from 2:00 to 4:00 PM. We learned how the library uses computers to provide services for everyone. Attendees did a service project in the talking Books for the Blind Section and had Halloween refreshments.

The YOUTH SIG did not meet in November or December due to the holiday schedules.

The January 25, 2002 meeting will run from 6:30-8:30 PM at CCUM Room 222. The topic will be a Soldering Workshop presented by Guest Presenter, Alan Birch, KIPCUG's BASIC ACCESS SIG

LEADER. The members are invited to bring a small electronics project requiring soldering.

The February meeting topic is to be announced.

Come out and join us on the fourth Friday of each month at 6:30 PM in the Computer Lab at Christ Church United Methodist on Brownsboro Rd. We will adjourn by 8:30 PM for snacks at a nearby dining establishment. For more information or to give your input, please contact SIG LEADER Joan Combs Durso at [econoprof@aol.com](mailto:econoprof@aol.com) or 608-6834 or SIG DIRECTOR Charley May at 425-4604 or [sig@win.net](mailto:sig@win.net).

### Kentucky-Indiana Personal Computer User's Group Inc.

#### KIPCUG

291 N Hubbards Lane, Suite B-26-318

Louisville, KY 40207

[www.kipcug.org](http://www.kipcug.org)

## Membership Application

- Individual - \$35.00 annually  
 Family - \$50 annually for 2 people in the same household  
 Full-Time Student - \$15 annually. Specify school & course of study \_\_\_\_\_  
(Does not include mailing of I/O magazine)  
 Corporate - \$160 annually for four people from same corporation  
 I prefer not to receive notification of KIPCUG events by e-mail.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Day Phone: \_\_\_\_\_ Evening Phone: \_\_\_\_\_ E-Mail: \_\_\_\_\_

If you wish to pay by Visa or MasterCard: Card # \_\_\_\_\_ Exp: \_\_\_\_\_

Signature: \_\_\_\_\_



# A SPECIAL THANKS



As we bring 2001 to a close, we would like to take this time out to thank each of you for another great sales year. It is valuable customers like you that has made S.E.C. Custom Computers Inc. what it is today.

From all of us at S.E.C. Custom Computers Inc., we wish you all a safe and happy holiday and a prosperous new year.

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**The next General Meeting will be on  
Tuesday, January 8, 2002 @ 6:30 PM  
at Christ Church United Methodist  
4614 Brownsboro Road, Louisville, KY**

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