



KARS KEY KLICKS



JOURNAL OF THE KANKAKEE AREA RADIO SOCIETY

Volume 86 Issue 5

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May 2011

MAY MEETING: FLEX RADIO DEMONSTRATION

The next KARS meeting will be Tuesday, May 3rd, 7PM at the Red Cross in Bourbonnais.

The program, is to be presented by Will K9FO and Ken W9YNI. Will is going to put on the major part of the program with his FLEX 1500. It will be a live running presentation. Ken also promises to bring his Flex 5000C. We are meeting at the Red Cross again because of logistics in running an antenna to the parking lot.



No, John K9BYT is not having a temper tantrum. He is demonstrating Duck and Cover for Earthquakes at April meeting



Bill N9OE interfacing the Echolink equipment to the KARS .34/.94 repeater



Bob K9CWF celebrated his 89th birthday at the April KARS meeting

KARS KALENDAR

- May 3.....KARS General Meeting
- May 7.....Indiana QSO Party
- May 20-22.....Dayton Hamvention!!!
- May 17.....KARS Board Meeting
- May 27-29.....CQWW WPX CW Contest
- June 5...Starved Rock Radio Club Hamfest
- June 7.....KARS General Meeting
- June 11-13.....ARRL VHF QSO Party
- June 18-19.....Stew Perry Summer Contest
- June 19.....6 Meter Radio Club Hamfest
- June 21.....KARS Board Meeting
- June 25-26.....ARRL Field Day

NCS FOR APRIL

May 2	KC9FAV
May 9	N9LYE
May 16	K9NR
May 23	N9LYE
May 30	N9FD

The net meets every Monday at 2100 hours local time on the 146.34/94 repeater.

HAPPY BIRTHDAY

May 5	KC9JQX
May 6	KC9HHT
May 8	K9FO
May 9	W9QKF
May 13	KC9KBR
May 17	KC9MZL

If we miss your birthday or get it wrong, please let us know!

The Kankakee Area Radio Society operates repeaters on:

146.34/.94 107.2 PL Access

449.8/444.8 114.8 PL Access

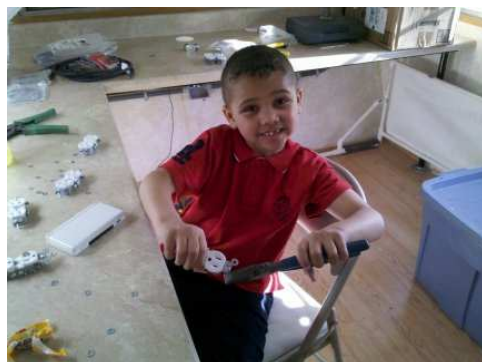
Also, co-sponsors:

145.130 107.2 PL Access

Additionally, KARS sponsors:

144.39 2 Wide Area APRS digi-peaters

145.53 KARS DX Cluster



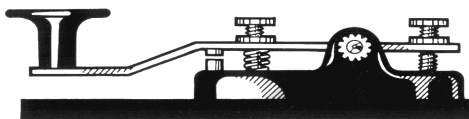
Andrew Dau preparing outlets for the KARS EmComm Trailer

WE HAVE SUNSPOTS!

There has been a lot of action on ten meters lately...DX action! Sun spot numbers are up and so is HF activity. Twenty and fifteen meters have been open well into the night. Sounds like a lot of fun for Field Day operations!

JULY AUCTION

As you spring clean your house, garage & basement, keep an eye out for fine junque to sell at the July KARS meeting auction. That's right. The very popular October auction will be repeated in July. Don't forget!



W9AZ

ONLY 18 DAYS TILL HAMVENTION!

KARS HOMEPAGE— **WWW.W9AZ.COM** —KARS HOMEPAGE

FLEXRADIO 5000C COMPUTER UPGRADE by W9YNI

First I want to say there was nothing wrong with my Flex 5000 C. It worked just great, and I have never been more pleased with the Radio or with the Team at FlexRadio. I just wanted to go to Windows 7, stay up to date with the current OS and get some more head room for future Software.

The computer in the 5000 C is a 2 Core Processor running Windows XP, and just adding more memory did not seem to be the answer.

First the problems:

The 6 core processor I selected is a 95 Watt CPU and draws more current than the Flex 5000 C inboard PSU could provide. It is a Mini-Box M2-ATX. When Windows was in the booting process the PSU would shut down and crash. I then called Mini-Box and purchased a M4-ATX PSU which was to be able to provide 300 watts and 350 peak. It worked and all seemed fine until I tried running a ACRONIS Backup. When it seemed to fire all the cores up, it too exceeded the PSU's current potential and Crashed.

Heat was also an important consideration.

The solution was to remove the PSU from an Antec 450 Watt external AC Supply and mount it inside.

Aside from the metal work and adding Stand Offs to the shelf in the 5000 C, mounting a 92 mm Fan on the front panel where the internal speaker was and a separate Power Switch on the front panel for the computer, it all went fairly smooth. Everything fits in the current computer cage. I added an opening in the top of the cage so I could keep wires short and connect them when the front panel was secured. A plate then covers up the opening. Some cutting on the back panel for the Fire Wire and AC connections was then necessary.

I have posted some Pictures of the project on my qrz.com page under my call W9YNI



AC for power supply



Final Assembly



Finished Product

Here is a list of the components

Mother Board	ASUS M488T-I Deluxe ITX
Memory	8 Gigs
CPU	Phenom II X6 1055T 2.8 Gig 95 Watt
Disk Drive	OCZ Vertex 120 GB Sata 2 (SSD)
Cache	L1, L2, and L3
Fire Wire	SYBA PCI-Express 1394 Model SD-PEX-FWB
PSU	Antec 450 Watt AC Unit
Misc	Power Switch, Led's, Stand off's, Toroids etc etc.

Passmark Rating 1405.1, DPC 70 us, CPU Utilization 4 to 7 %

I guess I could have just purchased or built another computer and connected the Fire Wire Cable to it but this was a lot more fun and looks GREAT.

I hope FlexRadio doesn't mind my changes, but that's Ham Radio.

73's and take a look at the Pics on qrz.com

Ken Buser W9YNI