

POTTER COUNTY ARES LOCAL NEWSLETTER



May VE Session
Saturday July 17 at 1000 hrs
Charles Cole Hospital
Coudersport, PA
Info: k3cc@verizon.net



June Breakfast
Saturday June 19, at 0900 hrs
Erways Rt 6 Coudersport ,PA

2 New Hams from VE Sessions

Our May 22 session yielded 2 new hams. Steve, is from Port Allegheny and another new ham from Elk county.

Please remember that we are holding VE Testing every odd month in Potter County. There is no fee for our testing service. All are welcome to test for an Amateur Radio License.

We are in need of Extra Class volunteers to be Examiners. We use the Laurel Maryland Club and you must be registered with them. I would like 2 teams. That would mean 3 test session a year for each member.

If there are any interested in joining a study group for a Ham License please call 814 274 7402 or email hams@k3cc.net

Summer is for Antenna Work

Now that the days are getting longer and the heat is upon us we should think about antennas.

This is the easiest way to upgrade your station.

I prefer an antenna that is needs no antenna tuner. That means no 10% loss from the tuner. Most people think that you need a lot of space to erect and antenna. Well, in some ways it is true. However, the main problem is antenna height. If you can get your antenna up in the air about 60 ft the ends can droop 40 ft on each end. That's a total of 80 ft off the length of the antenna. A 80 meter Off Center Feed antenna that is 150 ft long can be put in a space of 70 ft. If you only have one center support 60 ft high you can make an invert Vee.

Antenna projects should have planning and remember the safety factor. Keep away from power lines, plan you antenna first. Install you antenna using good construction techniques. If you are not sure ask someone. Also summer is the time for tower erection.

What are your interest in Ham Radio ?? Would a Tech Net interest you ?? Digital Transmission ????

VE Session July 15 at 1000 hrs

The Exams are FREE of Charge. We are guest of the Hospital.

Please send me an email to let me know if you are going to test.
Email k3cc@verizon.net

I would like 4 volunteers as Examiners, you must have a valid extra class license

McKean County ARES

I placed a visit to the McKean ARES group and met Sandy Hollow, Jason Bange and others in their group. It seems that we have a lot in common.

We need volunteer Operators for ARES

Along with this is a problem of equipment. Most Hams do not have 2 or 3 FM radios and HF radio. Go kits are needed with antennas and poles.

I hope to help the group with some ways of portable power supplies, digital transmission and antennas.

I have a busy routine in the summer with cutting grass/weeds and other chores. This year however, it's time to get a tower erected. One Rohn 25G base and 60 ft high tower. It should have my Tribander and a 2 and 6 meter antennas on top.

One suggestion I had made was the use of portable crossband repeaters. They could be used for local events and locales where the repeater didn't reach.

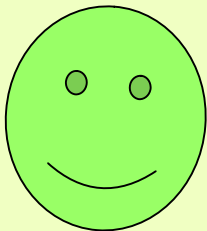
As time permits I will have a written account and a hands on program for crossband repeaters, portables powers supplies, restoring antennas and digital communication.

These programs will be available to any group that is interested.

Also, any group that has people interested in classes for ham license please let me know. I am willing to help in anyway I can. I can put on a Power Point presentation on Tech, General and Extra Class Licenses.

WPA Phone and Traffic Net 1800 hrs 3983khz Daily Listen or Check in I take Traffic for Tioga and Potter Co.

Breakfast June 19 ERWAYS



Our Good Morning Breakfast will be held at the Erways Buffet. This is on Route 6 West of Coudersport . . . Everyone is invited. It's just a morning of good food and friendship. Hot coffee and a large breakfast. Come hungry

***Field Day
2010***

I have made no plans for FD 2010. My shack will be open to anyone who is interested. I have an Off Center Fed antenna 80 thru 2 meters and a dipole for 80 maybe TA34X

Your Local Club News

FREE

Potter, Tioga, McKean Co
Send articles to Hams@k3cc.net
This is your page for your news
Expiration Date: 00/00/00

Tioga County ARC meets the second Monday of the Month at the senior center 1900 hrs
The senior center is located next to the AAA office In Wellsboro. At the Wellsboro diner traffic light turn right.

McKean County meets on the Second Saturday of the month in Smethport at the EOC 1000 hrs

Anyone interested in a Tech NET on 2 meters ????????????

Email k3cc@verizon.net

Ok, you just made a great deal on a used triband Yagi at a hamfest. Now, it's, home and you own it. Now what's next ? Well, I'll just let it sit in the garage and when I have time I'll work on it. Does this sound familiar !

Most Yagi's come from 3 or 4 manufacturers, HyGain, Mosley, Cushcraft and Telrex. They still make the same antennas today and have parts for them.. The Swan line is a M2 product of old. Mike can find parts or make them if needed.

Now you know that the traps, covers and aluminum are available. The first step is to identify the antenna. HyGain has Blue Traps that are sealed. They also have clamshell boom to element connections.

The others are very similar. Telrex and Mosley are heavy duty booms and elements. Cushcraft are made of lighter duty aluminum.

All the manuals are on line from the various manufacturers.

Disassembly

Tools: Box/openend wrenchs, pliers, screwdrivers, and brass brushes. 4X4 wooden blocks are helpful in holding HyGain Clamshells. Dremal tools aid in cutting rusty U bolts. Assorted cleaners and rust penetrant and necessary. Do NOT USE WD40. This is a silicon based lub and it displaces moisture. WD 40 is very explosive. It does not penetrate rust or remove

it.

HyGain Clamshell disassembly.

First, if it is an older design they used non stainless bolts. You can tell by the rust. Soak in rust penetrent over night. Find a screwdriver that fits the round head bolt that they use for the clamshell. It must fit tight. Drill 2 small holes in the clamshell to hole it onto the 4X4's. Try to unloosen the bolt with the screwdriver. Try not to strip the slot. If you have non-stainless bolts then they can be drilled out. Once disassembled clean and reassemble with new stainless bolts.

Start by laying out the parts/elements from the reflector to the director. The reflector is the longest element. Next is the driven element. This is where the feedline is connected. The driven elements are next by size, the largest next to the driven element, then the next smallest etc.

Inspect the aluminum for cracks, pitting, bends and squashed ends. Now, disassemble the traps. You can not do this to a HyGain. Inspect the plastic end caps, element end tips and aluminum coil covers. The coils may have bugs and cobwebs inside them. Clean then with a tooth brush. Check the insulation material where the coils are connected. If everything looks good, then start to reassemble them. Replace any end caps and trap seals if they are hard or torn.

Now, Inspect the aluminum elements. Replace all wormdrive clamps with stainless U bolts and wormdrive clamps.

Antenna restoration.

How to clean the aluminum elements. Never use a drill motor with a wirebrush to clean any aluminum.

Clean the aluminum with “Bartender’s Friend”, Brasso, red rubbing compound or brass cleaner. Use a 3M scouring pad with a cleaner and rub the oxidation off the elements.

End part 1

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