



SPURIOUS EMISSION

ORLEANS COUNTY AMATEUR RADIO CLUB (OCARC)

14064 West County House Road
Albion, New York 14411

OCARC Newsletter June 2007

News Ed Terry W. Cook (KC2JKU) Email kc2jku@ocarc.us

The Orleans County Amateur Radio Club (OCARC) meets at 7:30 p.m. on the 2nd Monday of the month at the Orleans County Emergency Management Office at 14064 West County House Road in Albion, New York except in August when we have our meeting at the Picnic and September when we have a dinner meeting. The next meeting will be June 11, 2007

May Meeting

We discussed Field day and what people want for programs and projects for the next year.

June Meeting

More discussion on Field day and the Picnic.

Refreshments by Howard (KC2EZJ) and Carol (WIFE)

Club Officers

Pres	Steve Maier	KZ2R	798-0278
	kz2r@rochester.rr.com		
V.Pres.	Howard Flint	KC2EZJ	343-1985
	cnhflint@2ki.net		
Secy.	Marion Toussaint	KA2BCE	798-0861
	ka2bce@rochester.rr.com		
Treas.	Richard Toussaint	KA2BCF	798-0861
	ka2bcf@rochester.rr.com		
Dir.	Bruce Sidari	WA2TMC	589-9038
	bruce@brucesidari.com		
Net Manager	Rocky Harris	KA2ZPQ	798-2132
	fdharris@hotmail.com		

Field Day

June 23-24 Come one come all

Enjoy the Weekend

ORLEANS CO. AMATEUR RADIO CLUB 2-METER NET

WA2DQL repeater 144.67 MHz in/145.27 MHz out with a tone of 141.3. Every Tuesday night at 9:00PM We will be calling for officers first then anyone else that wishes to join in. We also have a simplex net once a month on the Third Monday at 9:00PM on 145.270.

June 5	KA2ZPQ	Rocky
June 12	KC2JKU	Terry
June 18	KC2JKU Simplex	Terry
June 19	KB2LXD	Ted
June 26	KA2BCF	Dick
July 3	N2LVW	Liz

OCARC BEST WISHES

Birthdays

Gary Torriere (K2GWT) 6/28
Howard Flint (KC2EZJ) 6/01
David Sanford (N2VPF) 06/15
Dick Fizette (WA2HNA) 06/07

OCARC BEST WISHES

Anniversaries

Guy Russell (KC2PKJ) and Wife 06/07/85
Don Goodwin (KE2VA) and Wife 06/12

MISCELLANEOUS NETS

Gram (Genesee Radio Amateurs)
Tuesday 7:30 p.m. 147.285 Tone 141.3
Cw Code Practice every night (except Tue.) at
8:30 pm. Voice bulletins from ARRL Head
quarters every Tuesday night after the net at
8:30 pm. Please try to check in on the 147.285
Repeater

Lara (Lockport Amateur Radio Club)
Sunday 8 p. m. 146.820
Swapnet after regular net Sept- May

Stars (Southtown Amateur Radio Society)
Saturday 10:00 a.m. 3.925 HF Net
Tuesday 7 p.m. 147.090 Swap Net
Wednesday 7 p.m.

Interesting Websites

Here are 3 very interesting websites.
A little strange for me but have a look and see how
the other Hams live:

<http://www.hamsexy.com>
<http://www.nu5de.org/>
<http://www.rara.org/>

The Club picnic

The Dates for the Club picnic have been set for
August 18 at the Orleans County Park on Rt 98. The
same place as the last several years. More discussion
latter.

Refreshment List for 2007

January	Terry(KC2JKU) and Steve(KZ2R)
February	David (N2VPF) and Janet (KB2RMO)
March	Dick(KA2BCF and Marion (KA2BCE)
April	Jean (N2MVB) and John (K2ZUT)
May	Dick (N2ZNV) and Joann (KB2YLO)
June	Howard (KC2EZJ) and Carol (WIFE)
July	Dick (WA2HNA) Rocky (KA2ZPQ)
August	The Picnic
September	The Dinner Meeting
October	Gary (K2GWT) and Gary (WB2GLU)
November	Len (N2HS) and Shirley (N2ABX)
December	Christmas Party

HAMFEST

Rochester Hamfest

June 1-3

Talk-In: 146.88 (PL 110.9)
Monroe County Fairgrounds Dome Center ("Fair and
Expo Center")
2695 East Henrietta Road
<http://www.rochesterhamfest.org/>

Breezeshooters Hamfest & Computer Show June 3

Butler Farm Showgrounds Route 68 Butler, PA
Talk-In: 147.96 (W3UDX Butler Repeater)
<http://www.breezeshooters.net/>

Some thoughts of peace and tranquility for today.

1. Do not walk behind me, for I may not lead. Do not walk ahead of me, for I may not follow. Do not walk beside me either. Just pretty much leave me the hell alone.
2. It's always darkest before dawn. So if you're going to steal your neighbors' newspaper, that's the time to do it.
3. Don't be irreplaceable. If you can't be replaced, you can't be promoted.
4. If you think nobody cares if you're alive, try missing a couple of car payments.
5. If at first you don't succeed, skydiving is not for you.
6. Give a man a fish and he will eat for a day. Teach him _ to fish, and he will sit in a boat and drink beer all day.
7. If you lend someone \$20 and never see that person again, it was probably worth it.
8. If you tell the truth, you don't have to remember anything.
9. Some days you're the bug; some days you're the windshield.
10. Everyone seems normal until you get to know them.
11. The quickest way to double your money is to fold it in half and put it back in your pocket.
12. A closed mouth gathers no foot.
13. There are two theories to arguing with women.* Neither one works.
14. Generally speaking, you are aren't learning much _when your lips are moving.

The ICOM 910H AND 1.2 GHz by David VE3TIJ

I recently upgraded my ICOM 910H all mode 2 m / 70 cm rig to include 1.2 GHz all mode .The 910H is a great rig .But, it has too many bells and whistles for me . It can be computer controlled , used for CW and some data modes as well as amateur satellite work . It can receive on two different frequencies at the same time . I use it for just simple terrestrial FM and SSB . I live in Ajax, Ontario, 1 mile north of Lake Ontario. I live in an sixth floor apartment with a balcony [19 feet long by 8 feet wide by 9 feet high] that functions as an extensive antenna farm .

My limited space and need for a low profile as an apartment dweller has prompted a keen interest in VHF, UHF and higher communication frequencies . I run several 2 m , 70 cm and 1.25 m rigs in addition to the 1.2 GHz in the 910H. I have also operated 1.2 GHz FM since 1995 . I use the Kenwood TM541A [1-10 watts FM only] with a 6 element converted commercial Sinclair beam for 1.2 GHz [no model number]. The Toronto area has three 1.2 GHz repeaters. Not all repeaters are on the air at all times. Nor can I contact all three repeaters from my location. At best, it is two repeaters . I have also run 1.2 GHz mobile . I have spoken to hams from both Ontario and New York State on 1.2 GHz FM .However , traffic is very light ; it is a very small community . But there is not a lot of intermodulation or overworked frequencies !!

My local ham club in Pickering, Ontario near Ajax is starting up a 902 MHz FM repeater. Right now we are at the basic simplex stage. We have bought used commercial mobile rigs - Motorola GTX - and reprogrammed them for 902 MHz . The GTX antenna input is a mini-UHF female .I had to source a feed line N-Connector to a mini-UHF male conversion for this connection .These 800 MHz business band radios are very tricky to reprogram for the 902 band . I leave the reprogramming to the club expert and concentrate on the practical aspects of getting 902 on the air . I have two 902 beams . The Cushcraft [PC 9013N] 13 element beam is designed specifically for 902-928 MHz .It has proven to have a very narrow and highly directional beam width . It was a special production run for me at Cushcraft. I also have a surplus Sinclair 4 element beam for 902 MHz [SUY 90207]. So far I am one of the few club members here who has a complete base unit. I have had two QSO's so far. But other hams who have 902 MHz scanner receive capability have indicated that the 15 watt signal has a foot print of 10 miles east and north east from my balcony. It is a challenge to get all this equipment set up and operational . It is a good way to learn new aspects of the hobby and to meet other hams . I was unable to work across the lake in New York State to hook up with a schedule contact near Rochester . But I am hopeful for the often enhanced summer propagation conditions 2 m and 70 cm are very popular .On 1.25 m, 902 MHz and 1.2 GHz one meets experimenters and those who wish to get off the beaten path . I have often felt that an interesting ham radio band use study would be to profile the different users on different bands. VHF / UHF work in an apartment needs to be discreet, encourage antenna innovation and experimentation. Recently I had a QSO on 1.2 GHz FM with a Toronto ham who is working on a digital 1.2 GHz repeater also in Toronto . He plans to transmit data as well as voice. Since FM is line of sight, it is not too difficult to meet your fellow FM or SSB travelers at local coffee shops or local hamfests. I am also licensed for HF and do have HF equipment. But my poor HF antenna take off angle often transmits into the concrete balcony roof . Marginal HF balcony antennas are sources of RFI with consumer appliances and do not support the invisible ham profile that I crave. Hence, VHF and beyond..

I use the 910H as a basic, simple work horse for the extra RF power output that comes built into the rig . I run both FM and SSB: On 2m 100 watts ; on 70 cm 75 watts. The 75 watts on 70 cm is especially helpful when working repeaters from Ajax [FN03] to Rochester and Pennsylvania through Attica [442.875 + MHz with a PL of 100 Hz . 1.2 GHz is obtained by placing an add on module inside the rig. The add on UTX - 910 module isn't cheap. But it gives you a third band all mode on 1.2 GHz at 10 watts . For satellite work one would want a pre-amp at the antenna end .

I use the 2 m side of the 910H strictly for SSB . I run the 2 m into a horizontal polarized 4 el Cushcraft beam [124WB] . I work into New York State along the north west portion of Lake Ontario on FM . I check into the Rochester VHF net [144.260 MHz USB] Monday at 9:00 pm. For 70 cm , I run two other Cushcraft beams through an antenna switch . The 11 element FM beam operates on the FM portion of the band [A44911S] ; the 11 element SSB beam operates on the lower portion of the band A43011S] .

The 70 cm side of the 910H is very difficult to tune for a 1:1 SWR or any low SWR. Even a slightly rising SWR causes the RF power output to drastically fold back .I use an MFJ inline tuner [924] on each 70 cm beam to achieve a flat SWR . I concede to purists that these tuners do not improve the antenna efficiency .Rather the tuner presence reduces strain on the final output circuit.

The 1.2 GHz module itself comes with its own N - Connector female built in . One pops out a pre-cut mounting hole in the back of the 910H for the N-connector .The module is difficult to install and not for the novice. I probably came close to damaging a computer type ribbon wire . But I took my time and thought through the tight fit very carefully. I had my XYL , Diane, help with the installation . It should be no surprise that the 910H interior looks like a marriage between too many diverse computer like components . I use very low loss coaxial cable [LMR - 400] for all antennas in this article . Each feed line is approximately 30 feet long .My connectors are installed and tested by a professional technician. I leave nothing to chance here. Purists note, I cannot beat the quality of his work. LMR 400 has a loss of approx 5.1 dB per 100 ft at 1.5 GHz. My antenna for 1.2 GHz is the Comet 13 element beam [CYA - 1216E]. It is set up horizontally for USB.

I have run the 910H 1.2 GHz module on FM ; it works well even with the 1.2 GHz beam horizontal. I have a future SSB schedule lined up with a local ham who has an interest in satellites . But as he travels ; we have not been able to arrange a schedule yet . But I monitor 1296.100 MHz USB , the national SSB calling frequency. I hope to make contacts this summer on 1.2 GHz SSB. Even if I only have a few contacts, it is a learning experience.

David S.Faul VE3TIJ N2ZVK

2007 Dayton Hamvention

Wednesday : I was so ready to go. So about 8:45 I headed out to Dayton, Ohio for the 2007 Hamvention. It was raining when I left and it rained off and on the whole ride down, but it was a good and easy 7 hours on the road. Gas was about \$3.25. So not cheap. I chatted on 2 meter on the way down. No one can say 2 meter is not busy how ever it was a challenge to find the right tone and remember how to use my radio. I arrived about 3:00 Pm and meet my daughter Michele at the Motel. She was going to spend Wed and Thursday night with me. We got settled in to a pretty poor motel. The sink and bathtub drained very slow and you had to lift the back of the toilet up to flush. The TV had about 12 channels and most we very poor reception, but we did have fast speed Internet and it worked. We made do just fine, however next year I will look for a better one to stay at. We found a nice shopping area that was brand new and we took a walk around it and then stopped at a Italian restaurant for dinner. The meal was very good and filling. After that we went back to the Motel and visited till we fell a sleep.

Thursday: We got up about 6:00 and headed for Bob Evens for Breakfast. Meet a couple of Hams at Bob Evens, One was from Georgia and one from Indy. We spent the day at the Air Force Museum. The weather was cool but comfortable. The museum was great. I have pictures on my website at <http://www.tcook250.photosite.com/>. It took all day to walk around and see all the airplanes they have there. It was amazing how they got so many big planes in the building. They also have about 10 outside. The museum was free and you couldn't beat it. They had 5 Missiles about 100ft tall inside the building also. We left about 5:00 and went to Applebees for Dinner. Watched TV and visited till we well asleep.

Friday: I got up at 6:00 and got ready to go to the Hamvention . Michele sleep in and called me about 9:00 to tell me she was on her way home. I meet another couple of Hams From Wisconsin and they invited me to Breakfast with them. So back to Bob Evens again. Had a great time chatting with them and I followed them to the Mall were I parked the van. I great big parking lot and about a dozen buses waiting to take us over to the entrance. It cost 3 dollars a day to take the bus. I only waited in line about 10 minutes to get my ticket. It cost 25 dollars to get in.. The flea market opened at 8:00 and the buildings opened at 9:00. Bruce and Wayne called me and told me were they were and we meet up and walked around together for a while. I went on my own for a time inside but meet them again for lunch latter. It was a little cool outside but nice inside. It took all day just to go thought everything without stopping very long any place. Anything you would be looking for was there. Used radios, antenna , towers, poles, and so many other Ham items. Inside was tables of new items for QRP, Weather stations, flag poles, towers, books, and more. ARRL had a big area for everybody to visit and Astronaut Bill McArthur (KC5ACR) was at the ARRL station. All the Clubs were represented there also. The CQ, Fists, World Radio, QRP Clubs, ten ten, Battleship New Jersey , and several I have never heard of. Then lets not forget the Radios. Icom, Kenwood, Yaesu, Ten Tec, Alinco , Elecraft, Inc, and many more. All the big stores that we all buy from were also there. Everybody was very friendly and I had a great time. Bruce took the time to show me some interesting things and I learn lots of different things. Believe it or not the only thing I bought on Friday was a Cheeseburger and Lemonade. I, Bruce, and Wayne went to dinner at the Olive Garden after the Hamvention and had a great meal and of course we had to hit Tim Horton's for a coffee before going back to our Motels for the night.

Saturday: Up again at 6:00. This time I drove through McDonald's for breakfast and got to the parking lot across form the Hamvention about 7:15. Chatted with some Hams from Tennessee till the gates opened. Meet up with Bruce and Wayne for a little while but spent most of the time on my own. Bruce and Wayne had to leave early to come home. I did buy a shirt from Fists and renewed my subscription to CQ and World Radio. I was tempted to buy a Mobile HF but held off for now. I wondered around the Flee Market and had another chatted with a DXer from Buffalo that was there. I left about 2:30 and should of taken more time to remember where I parked the van. It took about 15 Minutes to find it. I got on my way and found gas for 3.08 dollars so I filled up. I also meet a Ham from Oregon at a rest stop. I had a nice visit with him also. I wish I had taken the time to get all the Calls of the people I talked to. It rained some on the way home, but I was a very nice ride. I chatted with some other hams on there way back from Dayton on 2 meters. Got home about 10:00pm.

It was a great time, but if you plan on going plan on doing lots of walking take a scooter with you as Wayne can tell you. The weather was just about right, being just a tad cool but the sky's were clear and the sun was out. I will definitely go again, but at a better Motel.

Terry KC2JKU