

# ***IREDELL WIRELESS***

Newsletter

***W4SNC 146.685-REPEATER***

Published monthly as a service to the Iredell County Amateur Radio Community  
By the Iredell County Amateur Radio Society (ICARS)  
P.O. Box 142 Statesville NC 28687

## ***June 2011***

**This month's Meeting will be held at  
Julia's Tally House. June 9, 2011. Come  
early (6:30PM) and eat or rag chew. The  
Meeting Starts at 7:00 PM. All ICARS  
members and Families are encouraged to  
attend!**

*ICARS Website*

[www.w4snc.org](http://www.w4snc.org)

President: Donald Summers, W4DON~~Vice-President: Dennis White, N4WHK  
Secretary: Tim Misenheimer, KC4MJC~~Treasurer: Rick McClure, KE4TEP  
Members-at-Large Greg Cason, KJ4ENR~~Ed Pucket, K4ELP

Wireless Editor, Tim Misenheimer KC4MJC

Iredell Wireless submission cut off date is  
the first Thursday of each month.

## Iredell County Amateur Radio Society Meeting Minutes

May 12 2011

*For the June 9 2011 Meeting*

The Iredell County Amateur Radio Society met at Julia's Tally House for the regular monthly meeting. President Don Summers, W4DON called the meeting to order at 6:45 PM. There were twenty three (23) attending – twelve (12) members and eleven (11) visitors. Don asked everyone to introduce themselves.

**Minutes-** A motion to approve the April 14, 2011 minutes as published was made and seconded. Motion carried.

**Treasurer's Report** – Rick McClure KE4TEP presented the following report for the month ending April 30 2011. He also submitted a written report.

**Board Meeting May 5 2011** – W4DON gave a brief review of the topics the Executive Board discussed.

**WSIC Picnic** on May 21 2011: ICARS will participate.

**Troutman Parade** on July 2 2011 Howard W1HO will have more information about this at a later date.

**Antenna project donations** total \$846 to date. Don asked for ideas to further add funds to this total. Tim KC4MJC, suggested, that ICARS raffle off a Weather Radio at the WSIC picnic, with Mark Sanger's permission.

The Board decided to accept the 4-bay folded dipole antenna as a donation from Mark Sanger, owner of WSIC, to use as the new repeater antenna. The board also decided to buy new feedline if nobody donates any.

Howard W1HO reported, the Society was mentioned twice this week in the Statesville Record and Landmark and once in the Mooresville paper. Howard also had a letter to the editor in the R&L regarding the weather radios. Howard said that ICARS will help program the weather radio's, and also program the radios at the WSIC Picnic.

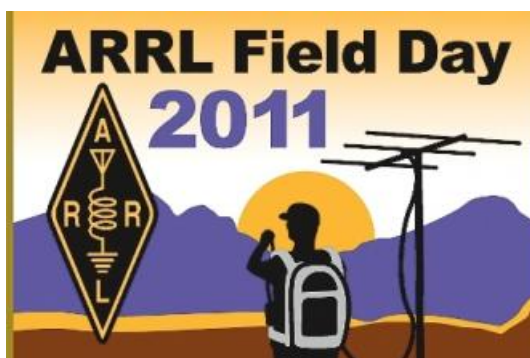
The P.O. Box fee has gone up to \$46 a year. The Society voted to keep the box for another year.

The floor was then turned over to Howard, who introduced Clint Bradford K6LCS who was with the group, Via Skype from California to provide the program, Working satellites with HT's.

Thanks to Howard, Rick and Clint for working through the *technical difficulties* to provide us with a very informative and entertaining program.

Respectfully submitted

*Tim Misenheimer* KC4MJC Secretary



## June 2011 Program

### Field Day

June 25-26

We will go over the Rules for Field Day and any new changes for this year. If you wish to download a copy of FD Rules go to: [http://www.arrl.org/files/file/FieldDay/2011/2011\\_FD\\_Packet.pdf](http://www.arrl.org/files/file/FieldDay/2011/2011_FD_Packet.pdf)

I need everyone to **bring your laptop** computer. We will discuss how to install and use the N3FJP Field Day 2.8 logging software. All logging will be done on computer this year. **NO PAPER LOGS WILL BE ACCEPTED!** Members may bring their own backup device to use for the program, but for Field Day, I have 7 flash drives belonging to ICARS that will be used. I will also provide floppy disks for those who need them. **THESE WILL BE RETURNED TO ME (KC4MJC) after Field Day is over!**

ICARS Field Day 2010 Scores

Band	CW	Phone	
80	0	39	
40	233	169	
20	11	424	
15	0	151	
10	0	53	
6	0	11	
Total QSO'S	244	847	
Total QSO Points	244 x 2 = 488	847	1335
Power Multiplier X 2			2670
Bonus Points			1440
Total Score			4110

**Can we beat this in 2011!!**

*The following was taken from the June, 1926 issue of "Popular Radio" magazine, Volume X, Number 2, which I recently found at an antique store. -Woody Woodward K3VSA*

## How the Boy Scout Earns the Merit Badge in Radio

1. He must receive and send correctly not less than ten words a minute.
2. (a) He must explain how to get in communication with another station.  
(b) He must explain how to send a message in proper form.
3. He must tell in his own words the principal laws and regulations regarding radio communication.
4. He must demonstrate at least ten of the radiogram abbreviations (Q signals).
5. (a) He must explain the purpose of a detector and adjust a crystal detector, using a buzzer to test its adjustment.  
(b) He must name two minerals used in crystal detectors.
6. He must draw from memory, using correct symbols, a hook-up diagram of a complete vacuum-tube transmitting apparatus, including generator or batteries, vacuum tube, condenser, tuning helix key, antenna, ground and the necessary protective devices. He must also describe each part of the apparatus and explain its function. He must explain how to use a wavemeter in connection with this transmitting apparatus to secure the proper wavelength of radiation.
7. He must draw from memory, using correct symbols, a hook-up diagram of a complete receiving apparatus using a vacuum-tube detector, including antenna, two-circuit tuner, detector, fixed and variable condensers, resistances, batteries, phones and ground. He must describe each part of the apparatus and explain its functions.
8. He must describe a vacuum tube and explain its three principal uses--as detector, amplifier and oscillator.
9. He must explain the difference between continuous wave, modulated or interrupted continuous wave and spark signals. He must explain how each kind of signal is produced and how each kind is received.
10. He must construct with his own hands a practical, working, receiving set and demonstrate its operation for receiving signals from a station twenty-five miles away or more.
11. He must explain how to install an antenna, how to connect it to the sending and receiving set, how to ground it properly and how to protect it against lightning. And he must state the Underwriters' laws for safeguarding radio apparatus.

## ICARS at the WSIC Community Picnic

Submitted by Howard W1HO

The picnic was held on Saturday 21 May. We set up a 10 by 20 enclosure in the WSIC field, and a smaller one at the rear entrance to the station building. At this smaller enclosure, Don, W4DON, was leading station tours for folks who wanted to see what the station was all about.

At the large enclosure, we had two operating stations. One on 40, mainly SSB, and the other on 20, mainly digital. The 40 meter antenna was a dipole up about 20 feet in the trees. For 20, we had the Buddipole recently donated to the club for ARES use. This was set up as a vertical dipole.

Before the weekend, I had set up the Buddipole in my yard, with great results. 2:1 SWR was about 200 KHz on 20, and all was well as the IC-735 loaded just fine. Several SSB contacts were made to prove the antenna was operational. When I set up the Buddipole at the picnic, I had a difficult time getting SWR under 2:1, and the bandwidth was almost nil.

The previous day, we had been told that we were over the radial field for the WSIC antenna. This info apparently didn't register with me, until I had the problem of tuning the antenna. The radial field presented a ground conductivity situation that we don't encounter in our day to day operating on HF, and apparently was the "culprit" with the loading issue.

During the course of the day, several contacts were made, and many people stopped by to see what was going on. We invited all who we chatted with to visit us at Field Day.

We also had a raffle for a wx radio, and this was won by Dr. Susan Rucker of Mountain State University. The presentation of the radio was done at the University campus in Mooresville. Here is a picture of the presentation. (The call sign on my shirt is courtesy of W4DON and Photoshop.)



Our thanks to Dr. Rucker, and all the others who bought raffle tickets. By the way, the winning ticket was sold by Lee McClure, KE4ERH.

Some other pictures, taken by W4DON are seen below.



40 Meter operating position



Wanna buy a raffle ticket?



20 Meter operating position



Hey, it beats walking!



Potential new members?



John's sitting and thinking about what the menu for Field Day will be

I C A R S  
 FM and HF Nets  
**JUNE**  
 2011

*Net Manager: W4DON*

2m FM Net 2100 L 146.685		10m SSB Net 2030 L 28.468 USB	
Date	NCS	Date	NCS
1	KC4MJC	4	N4ACF
8	W4DON	11	WB4WRY
15	KE4TEP	18	KJ4YZZ
22	W4DON	25	NO NET, FIELD DAY
29	WB4WRY		

*Thanks for volunteering to be a NCS*

ICARS MEETING **7 PM JUNE 9TH** AT TALLEY HOUSE  
**Program: Field Day Rules and Using Logging Software**  
**Tim, KC4MJC**

Call your Net on time.

Maintain Net for minimum of 15 minutes

If you're unable to call your Net find a replacement NCS  
 NCS please give a 5 minute notice before Net time.

Don't forget to send your Net Report to N4WHK

ICARS was organized on September 9, 1976  
 Nets have been running since 1977

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