
CQ BARS

Volume XXVI Issue 10

October 2008

President's Corner

Hello All,

Well, its time for elections at this Monday, October 20th meeting. I would like to take this opportunity to say thank you all for letting me serve you as the BARS club president this year! It has been a very rewarding year working with you and the BARS board. I've also enjoyed working / coordinating with Mayor Claar, Acting Fire Chief Mierop, Village attorney James Boan, and Herman Mc Kenzie of Bolingbrook Adventist Hospital on several different issues: 1) Replacing the 440 repeater that was destroyed by the water tower flooding, and 2) Helping us in acquiring a new home in the penthouse of the new hospital for our equipment and antennas.

Also a big thanks goes out to Barry KH6KI for donating a new 440and/220 antenna and feedline to replace our existing equipment. I would also like to say thank you to Acting Fire Chief Meirap for supplying materials and personnel for installing two new power outlets in the penthouse to provide our equipment a circuit for each repeater. Now, if power drops, a back-up generator will kick on when the power is lost in the area. We still have a lot of work to do with the hospital in getting a plan together for emergency communications for the hospital in an event of an emergency.

A special thanks to Mayor Claar for his and the Village's continued and generous support of the club.

On a final note, Jim N9ABF is out of the hospital and home recovering, and is getting better. His spirits are up and he sounds good. I wish him a speed recovery. You can send him an email through the BARS website Webmaster.

See you at the meeting.

Tom, N9LJY
BARS President

Secretary's Column

Last month I reminded you that it's membership time again. I'm



again enclosing an application with this newsletter. Please!! Even Life members need to complete and return an application, just to let us know that you're still alive. E-Mail addresses need to be valid to insure that you still receive the newsletter and other special mailings. It's also election time again. Nominations for club officers will continue and be followed by the actual voting. Remember this is YOUR club, and we need dedicated officers. Please think about who you would like to see in leadership positions for the next year. Are YOU willing to step forward and serve?

73's for this month

Don - N9VJV

Last Months Meeting Minutes

The meeting was opened at 19:00 hours by N9LJY (Tom). Introductions followed. Officers present were: KC9JQW (AJ), N9VJV (Don).. Also present at the meeting were:

N9LJY	N9ZMM	W9WRC
K9JTB	WB9PDD	KC9JLK
N9GH	NW9V	WX9WRN
K9GHX	KA9ZJJ	N9OZD
KA9SW	WA9IL	KC9JQW

KB9LMK KC9MQH W9KHX
N9VJV

A motion to accept the minutes as published in CQ Bars was made by NW9V (Phil), seconded by KC9JLK (Marianne) and carried

N9VJV (Don) read Treasurer's report from Barb who was unable to attend.

COMMITTEE REPORTS

2 meter: N9LJY (Tom) reported that it's working. The parts are now available but for now we're still using the loaner machine.

220/440 WA9IL (John) reported the 440 machine is up and running with a PL of 114.8. The ID needs to be changed. The 220 machine is running but not installed yet. The antennas are up. The machines will be connected to the hospital generator. Tom distributed 'thank you' certificates to WA9IL, KC9JQW, N9OZD, and KB9LMK for their help.

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Net Control: N9ZMM (Archie) reported that checkins are down. There have been 175 checkins since the net restarted.

Hamfest: N9LJY (Tom) brought up the question of whether we should have another Hamfest, since attendance and help both were down this year. KC9JQW (AJ) suggested that we get the financial and membership information from Barb and discuss at next month's meeting.

Education: No Report.

VE: W9KHX (Dale) reported that the next VE session will be on Oct 18 10 AM to noon at Station #5..

Field Day: N9LJY (Tom) the results are not available yet. There is a problem extracting the logs. The software has been purchased and will try to extract it.

Public Relations: Nothing to Report.

Skywarn: WX9WRN (Toni) will be putting a list of suggested emergency supplies up on the reflector. She also said that phone in flood reports would be appreciated by the NWS.

OLD BUSINESS:

N9LJY (Tom) reported that he is working on a way to get members trained and recertified by the Red Cross.

N9LJY (Tom) also reported that our webmaster is in the hospital in rather serious condition.

A motion to close old business was made by WX9WRN (Toni), seconded by K9JTB (Bill) and carried.

NEW BUSINESS:

Nominations were opened for officers;

President:
N9LJY (Tom)
KC9JQW (AJ)

Vice President:
KC9JWQ (AJ)
WX9WRN (Toni)

Secretary:
N9VJV (Don)

Treasurer:
KC9JLK (Marianne)

Nominations will continue at the October meeting followed by election. The new officers will then take office.

A motion to close new business was made by KC9JLK (Marianne), seconded by K9JTB (Bill) and carried.

A motion to adjourn was made by KA9ZJJ (Marti), seconded by KC9JLK (Marianne) and carried.

Respectfully submitted,
Don, N9VJV
Secretary

After the meeting KB9LMK (Dale) showed a CD with pictures taken of the support for the National Guard during the flooding in Quincy. Thank you, Dale

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Thursday Night net Statistics courtesy of N9ZMM (Archie)

September ended on a great note with 22 check-ins. The propagations brought more new check-ins from the Wisconsin area. This does show with the numbers looking better than the past few months. Even October looks a little better for the first few weeks. Keep up the good work.

At our last meeting I did say that I had stopped sending out "first time" greeting QSL cards to those that never checked in before. I have restarted it and back logged those that checked in since June 2008. With the cost going up it was becoming harder to pay for the ink and postage. There is a new look to the card this time around. I should have one or two at the next meeting.

Thanks to those board members for picking up the check-ins, you'd think there was an election coming up at our next meeting.

73s

Archie Hawley, N9ZMM

Weather Facts

By our own George Geotsalitis NB9R

What is the average temperature of the earth?

The surface temperature of our atmosphere (averaged globally) is 59° F. If it were not for the **natural effects** of greenhouse gases such as carbon dioxide and water vapor, the global mean temperature would be 4° F.

What happens to the Carbon Dioxide released into the atmosphere?

Not all of it remains in the atmosphere. While vegetation and oceans were thought to absorb about 50%, it appears that the forests of the Northern Hemisphere absorb 3.5 billion tons per year (twice that of the oceans).

Are there any good effects specifically attributed to Carbon Dioxide?

Research suggests that CO₂ stimulates plant growth and reduces plant water consumption. Depending on the species, experimentation has found that as CO₂ is doubled, the amount of water required could drop by between 17 and 27 percent and growth could increase by as much as 84 percent. If the various predictions for global warming were to materialize, many northern barren land-masses would become suitable forest habitats.

If global warming concerns, fascinates, frustrates or just interests you, get a copy of:

Unstoppable Global Warming

Every 1,500 Years

S. Fred Singer & Dennis T. Avery

Skywarn Recognition Day

The 10th annual Skywarn Recognition Day is set for December 6th, 2008 at 0000 UTC.

This 24 hour event is co-sponsored by the National Weather Service (NWS) and the American Radio Relay League. This one day event is for fun, friendship, and a way for the NWS offices to show their appreciation and recognition that ham radio operators provide during life threatening weather.

Forwarded from ARISS:

All,

It was quite an exciting day for ARISS yesterday with the Expedition 18 crew docking and the start up of Richard Garriott's ham radio activities. Here are some updates and plans for ARISS during Richard's flight.

Richard, W5KWQ, fired up the radio and started SSTV operations just a couple of hours after docking. Richard planned to support a slide show mode using the SpaceCam software and the SSTV interface box at the beginning of his flight, which is what you saw yesterday. A number of the images were sent down using Martin 1, a higher quality but longer transmit SSTV mode. The Russian team, led by Sergey Samburov, RV3DR, had requested testing several high quality image modes during Richard's flight, so don't be surprised if you see Martin 1 or other high resolution SSTV modes during Richard's flight. We have asked Richard to move to the default Robot 36 mode for the time being and to space out the images once every 3 minutes to reduce the radio transmit duty cycle. Richard confirmed that he will support this. He also has transitioned to the VC-H1 as this will allow Richard to use the computer to support his Earth ops and still support SSTV.

We have had a number of image uploads on the Gallery site by hams all around the world. The ARISS team appreciates your volunteer support through all the SSTV images that have been uploaded. A volunteer ARISS team is working 24/7 during Richard's flight to review these images, to understand how the SSTV operations is progressing, and to include some of these images on the Gallery pages. ALL the images you have uploaded have been archived and are being reviewed. Please continue to upload these images as they help the ARISS team analyze and redirect the SSTV operations. You are welcome to upload these through the gallery page:

http://www.amsat.com/ARISS_SSTV/

We also have a blog available that provides the latest ARISS information for this expedition. That blog is located at:

<http://www.ariss-sstv.blogspot.com/>

You can also reach these sites through the ARISS website:

<http://www.ariss.org>

Some other information:

SSTV uplink/downlink: Richard is really not supporting SSTV uplinks during his short duration mission. The downlink is on the normal ARISS VHF downlink, 145.80.

General Voice Contacts: Use the regular general voice frequencies. 145.80 downlink. Uplinks are 144.49 in Region 2 (Americas) and 145.20 for Region 1 (Europe, Africa, Middle East) and Region 3 (Australia, Asia). Richard and Mike Fincke, KE5AIT, have been on the air on voice since shortly after docking yesterday.

Sleep Period Activity: We have asked the crew to turn packet on during sleep periods. Our intent is to keep SSTV active during their work day. The rationale for this is that we are having some issues with the software based (SpaceCam) SSTV system occasionally keeping the radio keyed down after an image transmission. And we have a limited set of Russian batteries

available during Richard's flight for the VC-H1.

You are witnessing and are a part of history: Some of you have asked why Richard is using his callsign for some QSOs and SSTV contacts instead of the ISS station callsigns. There is a long and proud history that is attached to the Garriotts. This includes ham radio in space and their personal callsigns. 25 years ago, Richard's father, Owen Garriott, W5LFL, initiated the first ham radio contacts from space on the STS-9 SAREX mission. Richard, W5KWQ, is following in his father's footsteps, using the ARISS ham radio system extensively on his first flight. And Richard's callsign is actually his grandfather's original callsign. So you can see that this mission touches 3 generations of ham radio and 2 generations of ham radio in space!

School Contacts: School contacts from this day forward are tentatively scheduled as follows:

Challenger Learning Center Combined Contact #1, telebridge via W6SRJ; on Thu 2008-10-16 16:39 UTC
Howard B. Owens Science Center's Challenger Center (Lanham, MD)
Challenger Learning Center of Columbia (Columbia, SC) Verizon
Challenger Learning Center at MOSI (Tampa, FL) Brownsburg
Challenger Learning Center (Brownsburg, IN)

Budbrooke Primary School, Warwick, England, direct via GB4OBS Fri 2008-10-17 11:05 UTC

Challenger Learning Center Combined Contact #2, telebridge via W6SRJ; on Fri 2008-10-17 15:30 UTC
Indianapolis Challenger Learning Center (Indianapolis, IN)
Challenger Learning Center at Paducah (Paducah, KY)
Challenger Learning Center St. Louis (St. Louis, MO)

Austin Liberal Arts and Sciences Academy, Austin, TX, direct via K5LBJ Sun 2008-10-19 13:14 UTC

Pinehurst School, Ashland, Oregon, telebridge via W6SRJ Mon 2008-10-20 15:13 UTC

National Planetarium, Kuala Lumpur, Malaysia, direct via 9M2RPN Tues 2008-10-21 08:30 UTC

Enjoy the ARISS operations. And my thanks to the international ARISS team for their outstanding volunteer support.

73, Frank Bauer, KA3HDO
AMSAT-NA V.P. for Human Spaceflight Programs
ARISS International Chairman

A Thought...Dayton Hamvention 2009

Gas Prices are at it's all time high and plan to go higher in 2009!

The numbers of Hams going to Hamfest are down, and may be lower next year!

And of course there are some Hams that want to go to the Big Hamfest (Dayton) but have no way to get there!

How about if there was a way to go to Dayton, pay less than if you had gone yourself. Had company of others with one goal in mind to have fun. Would you go?

I've been to Dayton so it's not new to me, but would like to go back. I'm sure there are others that would like to go but have no way of getting there without paying a high price for gas.

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This is a pipe dream that I would like to see happen. With a few good minds I'm sure it could happen, and maybe help those that can't go because they have no way to get there.

If you have thought about going to Dayton, are willing to pay for your room (maybe share rooms), pay your part in gas, and food maybe it's time we talk. The more the cheaper it would be.

Right now we need to have a show of hands, get a count, find out what the cost could be and see if there are any group discounts in hotel rooms.

Any input would be welcome!

73s

Archie Hawley, N9ZMM

ISS VOICE QSO REMINDER

Richard Garriott is aboard and has already started making random voice QSO's from the ISS. As a reminder do not transmit on the DOWNLINK. It has been reported that many stations are doing this. The DOWNLINK is where you LISTEN ONLY! Transmitting on the downlink does 2 things: 1) QRM's anyone who is listening for their exchange and 2) You can transmit on the downlink until hell freezes over and never get a reply, no one is listening aboard the ISS to the downlink!

Transmit on the UPLINK. The UPLINK is 144.49 FM and the DOWNLINK is 145.80 FM

Most modern radios can be set up for "odd splits"

Those frequencies are at the midpoint of a pass when the ISS is at TCA (Time of Closest Approach). You should correct for doppler shift according to the chart I have uploaded to the files section of the yahoo group in the space folder. Or e-mail me and I'll send it to you.

There are set ups for both rigs that will do 1kHz steps (857D, 2000, 746, etc) and rigs that only do 5kHz steps (most 2 and dual band mobiles and HT's). You don't need much of an antenna for the ISS, even the standard rubber duck might work.

The ISS QSL's too so don't forget to claim your card. I'll post that info into the file folder also.

Good Luck, Have Fun and REMEMBER.....LISTEN on the DOWNlink!!

73,

John - AG9D
ARISS OPS

ARRL AUCTION: GETTING DOWN TO THE WIRE

Excitement continues to build as the ARRL gets ready to preview items for the Third Annual On-Line Auction on Thursday, October 16 <<http://www.arrl.org/auction>>. With almost 140 items up for bid -- with more being added every day -- this event promises to have something for just about everyone. The auction kicks off October 23 and runs until October 31 on the ARRL Web site.

This year's auction will again include many transceivers and other items that have appeared in the QST Product Review column and have thus been thoroughly tested by the ARRL Lab. ICOM has generously donated an IC-7000 HF/VHF/UHF mobile transceiver; this rig was reviewed in the May

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<<http://www.arrl.org/members-only/prodrev/pdf/pr0605.pdf>>.

A new donor to the ARRL On-Line Auction is R4 Systems <<http://www.r4systems.com/>> -- developers of the Proteus Design Suite, a suite of tools for professional printed circuit board design -- has donated a Proteus Suite software package.

According to ARRL Chief Operating Officer Harold Kramer, WJ1B, "Last year's online auction -- our second -- proved to be a successful and enjoyable event for both hams and ARRL staff members alike. When the bidding ended, we realized that we had sold 162 items and sold just more than \$50,000 worth of merchandise." Proceeds from the auction benefit ARRL education programs including activities to license new hams, strengthen Amateur Radio's emergency service training, offer continuing technical and operating education, as well as create instructional materials.

Many vintage items will also be offered. Returning by popular demand are four ARRL Lab unique "junkie" boxes. With a starting bid of \$50, these boxes are filled with components, parts and electronic do-dads. No one -- except the ARRL Lab staff -- knows what exactly is inside each box, but each is guaranteed to be full of things that the Lab staff considers valuable (but keep in mind that they collect just about anything).

All product review items in the On-Line Auction will include a link to a PDF file of the actual Product Review, as well as a reference to the QST issue that the review appeared in.

ARRL Business Services Manager Deb Jahnke, K1DAJ, said that there are "loads of neat stuff" available in the Auction, including a set of Dayton Hamvention pins going back to 1995, gift certificates for ARRL merchandise and publications, radios, books and much more. "We'll be adding items throughout the preview period, so keep checking back to find things you might have missed," she said. "This event would not be possible without the generosity of our many corporate donors. Our sincere thanks go to all who donated items for this year's auction."

Jahnke also advised auction users to look through the "Help" and "About Us" sections, where you'll find useful information about bidding, FAQs and a host of other facts. "To ensure an enjoyable experience, please be sure to read all policies in the 'About Us' section," she said.

Some articles courtesy of the ARRL.