The Northwest Amateur Radio Society

Houston, Texas

September 2004

September Meeting - Logbook of the World

Do you QSL? Bring your QSLing into the 21st century with the ARRL's Logbook of the World (LoTW).

Paul Frantz, W5PF, will go through the basics of this new electronic QSLing system developed by the ARRL. LoTW began operation on September 15, 2003 and currently has over 50 million QSO records on file. The presentation will show how to register with LoTW, how to upload your electronic logs and how to apply QSL credits to your DXCC records. Come to the meeting on Friday September 17th and see how LoTW can help simplify your QSLing and save you money!

NARS 2004 Raffle Update

At this time, we have just over \$1,000 in profits from the raffle ticket sales!!!! There are several raffle tickets that remain outstanding. All proceeds and raffle stubs MUST be turned in no later than the beginning of the NARS meeting on September 17th. The raffle winner will be chosen at end of the NARS meeting on September 17th.

Also remember — there is a \$50 prize for the NARS or H&S member who has the highest proceeds from sales. The \$50 prize will also be awarded at the September meeting. Here are the top five contenders at this point:

- 1. Bob (N5ET) \$300
- 2. Jerry (KB5VGD) \$230
- 3. Bruce (N1LN) \$221
- 4. Nancy Kinard \$160
- 5. Anita (N5AOK) \$143

Happy selling, Laurie – N1YXU

Tomball Field Day and Tailgate Sale



Redd School staff and student with NARS sponsors (l-r), Rey Garay KD5YLN, Lollie Garay KD5WZM, Jon Baer, Tanya Cantrell KD5WZN, Cal White WF5W, and John Ellis W5PDW. About 35 attended the event. All had fun doing what hams do. W5PDW Photo See http://www.gtdx.com/related/TRGFD2004.html for more photos.

Important Dates

Friday, Sep 17, 7:30 PM – General Membership meeting, Spring Cypress Presbyterian Church – Eyeball QSOs, 7:00 PM.

Saturday, Sep 25, 8:30 AM – VE License Exam Session, Tomball Community Center, S. Cherry & Market streets (just South of Main).

Tuesday, Sep 28, 7:30 PM – Board of Directors meeting, Terra Nova Clubhouse, 5200 Woodville.

Contests

Sep 18-19 SC OP, WA Salmon Run, OCWA OP

Sep 19 NA SSB Sprint

Sep 25–26 TX QP, CQ WW RTTY DX

Sep 25-27 AR QP

Oct 2-3 Oceania SSB DX, CA QP

Oct 9-10 PA QP

Oct 16-17 Worked All Germany

Oct 30-31 CQ WW DX SSB

Nov 27–28 CQ WW DX CW

Wednesday Lunch Bunch

Sep 15 Red Lobster

Sep 22 Strack Farms

Sep 29 Pepperchino

Oct 6 Luby's Cafeteria

Oct 13 Jason's Deli

Wednesday Lunch Bunch - West

Sep 15 Escalante Mexican

Sep 22 Jason's Deli

Sep 30 Luther's BBQ

Oct 6 Skeeter's

Oct 13 Charlie's Hamburgers

Monday "Tail Draggers" Lunch Bunch

12:00 Noon Aviator's Grill, Hooks Airport

Notice: NARS membership dues are \$20 per year, renewable on anniversary of last year's full payment.

Deadline for articles to appear in the next issue is the last day of this month.

BREAKFAST at Victors

4710 W FM 1960

Saturdays 7:30 AM

President's Corner

September 2004

Time to make those Qs count!!

What are you going to be doing the weekend of September 25th and 26th? Well, if you are like many of the NARS members you will be doing some amount of operating in the 2004 Texas QSO Party. If you don't know what I am talking about you must have been hiding under a rock for the last 10 years. Well, OK if you really don't have all the data you need, here is URL – go have a look: http://www.txqp.org/

When you get to the web site click on the Detail Results 2003 link. What? NARS is not the first place club!! Must be a mistake. H. O. – how about a recount. NO – we came in second. But – to get back in first place it is time to make those Qs count.

Well, what can you do if you are not a "contester" or don't have a HF station in your vehicle? Don't panic. First, you don't need to operate all 18 hours to help the club. Second, you can operate from the comfort of your own house. Let me share a couple of statistics. Last year NARS finished only 396,586 points out of first place. Last year the average score of a Single Op station operating from their house was 70,000 points. That would mean if we had only 6 more members that were able to turn in logs and able to meet the AVERAGE score we would have won. OK – 70,000 may be a high average, so let's go for 12 more members at 35,000 points each. With almost 200 members in our club, that seems very possible. Last year only 29 members turned in logs. We surely can get 12 more members to join in the fun.

So, what does it take to get to 35,000 points? There are many ways to reach that total because the score is calculated based on the number of Qs multiplied by 2 points for SSB or 3 points for CW and then multiplied again by the sum of Texas counties, states and DX countries worked. Let's assume you work 300 SSB Qs with a total of 58 mults $(300 \times 2 \times 58 = 34,800)$ points). 58 mults may sound like a lot but, there are 254 Texas counties, 49 states (Texas does not count) and Canada. As for the Q count - that would equate to just over 16 / hour. All you need to do is give a signal report and your county (for me that would be 59 -Montgomery) "QUICK" If you think 300 Qs is more than you could work - no problem - take a minute to read about those bonus points for working Texas mobiles by clicking on the Rules 2004 link.

Please don't think you need to do anything I have said above to help the club. OK-so all you want to do is operate for a few hours. NO PROBLEM!! What ever your final Q count may be — with what ever mult count you get — PLEASE — PLEASE — calculate your score and turn in your log.

This is a fun event. I am sure you have heard all of us telling the stories, reliving the weekend, sharing the lies and more. Come join the team to help put NARS back into first place in 2004. CTDXCC is out to claim first place for a second year. The only way we can stop them is together. So, make those Qs count!

Bruce Meier N1LN

Public Service Events

Your Radio Skills Are Needed

Events officially sponsored by NARS include Buffalo Bayou Regatta (May), SIRE Ride-A-Thon (October) and Sunmart Texas Trails Run (December). Events supported by NARS members include Houston Marathon, MS 150 and Wings Over Houston.

Plan to help with one or more of these events in 2004.

VE Session Results

The NARS VE Test Session held August 28, 2004, served six candidates. The results were three new Technicians, one upgrade to General and one upgrade to Extra.

The VE's in attendance were Keith Dutson WD5DXL, Paul Frantz W5PF, Bob Walworth N5ET, Walter Holmes K5WH, Eddy Reynolds K5WQG and Gregg Erlenbusch W5IDX. We had 2 non-VE assistants and are grateful for their help.

Thanks to all for your help. These sessions can't happen without you guys.

The next NARS VE Test Session will be held on September 25, 2004. The session will conflict with TQP weekend, so if you can volunteer and set that Saturday morning aside, I will appreciate it, greatly. Let me know as soon as you can. I will need at least five volunteers, three of which must be VEs.

Thanks again, and we'll see you there.

Norm Covey K5OS NARS VE Session Manager

Highlights from the NARS Board Meeting

The regular monthly NARS board meeting was held on August 31 at the Terranova Clubhouse. The following board members were in attendance: Bruce Meier, Tom Hoherd, Jerry Whiting, Rob Nixon, Keith Dutson, Chuck Sanders, Lee Kinard along with the following guests: Joe Sokolowski, Laurie Meier, Bill Stietenroth, and H.O. Townsend. Highlights of the meeting:

- **Programs** Bruce reported that the Cypress Bible Church has been reserved for the special program in October by Coy Day N5OK, ARRL West Gulf Division Director. More details will follow on this special meeting at the September club meeting and on the reflector.
- **Voice Repeater** Zed passed around pictures of the new antenna from Force 12 and reported that it has been installed and is working well. He also noted that the tone filter needs aligning and that he has plans to address that problem in the very near future.
- Texas QSO Party H.O. reported that he has received another plaque sponsor bringing the total to just over a dozen. He requested that all mobile/portable operators should send him their county routes for posting on the web site. He also encouraged all mobiles to post their plans on www.countyhunter.com in order to generate activity from that sector.
- NARS Fund Raiser Laurie reported that the Cruise Raffle fund raiser is shaping up as a winner with the club over the \$1000 mark in profits. She also passed around a copy of the gift certificate that has been purchased. A number of tickets are still out and Laurie asked that everyone turn those tickets in since the drawing will be held at the end of the September meeting. She also pointed out that the gift certificate is good through September 2005.
- Nominating Coordinator Jerry Whiting volunteered to coordinate the effort of soliciting names of any club members wishing to serve on the board in 2005. Anyone with an interest in getting involved in that activity should contact Jerry.

On the last Tuesday of each month the board meets at 7:30 pm at the Terranova Club House to discuss club business and to set direction for the club. All members are invited to attend the board meetings and if interested should contact any board member if directions are needed or if they desire a specific item to be on the agenda.

C. W. Sanders, NO5W NARS Secretary

Ham and "Sheez" News

As many of you know from a recent email on the reflector, we finally received a letter from our contact in Baghdad! Included below are the words from the letter:

First and foremost I want to say thank you for everything! Second, I'm sorry that I have not written sooner. I'm working 12 hours a day, 6 days a week, so I'm pretty much drained. Then when I do get a day off I don't feel like doing anything except my laundry & watch some movies. Still it's no excuse. You've all been more than generous (sp?).

Life here is OK. It's been very hot. About 130 during the day and 90 at night. The interpreters all say it's going to be getting cooler soon.

Other than work there's not much that goes on over here. There is talk of being extended, but I've got my fingers crossed that it won't happen. I was in Afghanistan in 2002 so they can't extend me for too long anyway. That is unless they change the law for reservists. We'll see.

I don't have any of the letters in front of me right now, so I'm sorry if I've left anything out. Just wanted to let you know that I have been receiving the letters & packages. Thanks again.

Amanda

P.S. I got promoted to sergeant at the end of June. I'm excited to be an NCO!

The theme for the September care package is Halloween! We will be sending candies (no chocolate since it will melt) and Halloween decorations. If you would like to contribute any items toward the monthly care package, please bring the items to the NARS meeting on Friday, September 17. If you would prefer to make a donation toward defraying postage expenses, there will also be a coffee can for donations at the meeting.

Also, please bring items that we can include in our weekly letters. The troops would really like to hear from individual members of our club. You don't have to write a lot. Jot a few notes down on the back of a postcard, and bring the postcard to the September meeting!

August Activities

A new Ham and "Sheez" tradition has been born — the passing of the fuzzy dice! Yes, you read correctly. The second of many more Bunko game nights was held at Desi Livingston's home on Friday, August 27.

Eight ladies had an absolute blast playing Bunko, swapping tales (some about their significant others I'm sure!), enjoying a few select drinks, and generally having a good time. The fuzzy dice tradition is meant as a wandering trophy for the person who got the least points during the night. I will not mention who has possession of the fuzzy dice at this moment. But, you can be sure that she will want to give them to another lady at the next Bunko party! (Desi – Thank you so much for opening your home. Everyone had a blast!)

You may have noticed a theme over the last few months. Shannon Horsley introduced us to card stamping a few months ago. Several of us are now hooked! For the August meeting, we had a card stamping workshop. A distributor from Stamping It Up and friend of Shannon's joined us and shared her creative card making talents. Each of us made five different greeting cards. To let you know how much we enjoyed the evening — usually, we leave the church around 9:00. We did not leave until just about 10:00 and could have stayed for a few more hours since we were having such a good time. You can bet that you'll see card stamping as an upcoming activity!

Upcoming Activities

Run – do not walk – to your calendars, and make sure that you reserve the evening of Saturday, September 18! That is the date of the second annual wine tasting party at the home of Tina and Eddie. Last year, this event was one of the biggest hits. Here are the basics for the party — each couple brings a bottle of wine and a finger food to accompany The couple gives a short introduction of the wine to the group. For example, they may give a brief background on the winery, the region where the winery is located, the types of grapes used, or any other interesting facts. Everyone tastes a small sample of the wine and the accompanying finger food. The overall goal is to enjoy several new wines and to have a mini progressive dinner party. If you are planning on attending, please let either Tina or me know. It is important that the foods are coordinated to ensure that there will be appetizers, hors d'oeuvres (the pseudo main course), and desserts. Detailed information, including directions and time, will be sent shortly. Hope to see you there!

The program for our September meeting is still under construction; however, we are hoping to have a special guest. As soon as definite plans are known, they will be communicated. The meeting will be held at the Spring Cypress Presbyterian Church on Monday, September 27.

We are also starting to plan the events for the last few months of the year. In October, we hope to go to Sam Houston Race Park for dinner and horseracing. The Arbor Gate nursery in Tomball is the destination of our November outing. And, December will be the month of our third annual holiday party. Further information on each of these events will be sent shortly.

Monthly Recipe

Apricot Glazed Pork Roast from the Campbell's Kitchen. This would be a good dinner while watching a Texans football game.

1 can (10 1/2 oz) Campbell's chicken broth

- 1 jar (18 oz) apricot preserves
- 1 large onion, chopped
- 2 tablespoons Dijon-style mustard
- 4 lbs boneless pork loin roast

Mix broth, preserves, onion, and mustard in a 3 1/2 quart slow cooker. Cut pork to fit. Add to cooker. Cover and cook on low for 8 to 9 hours or on high for 4 to 5 hours. For a thicker sauce, mix 2 tablespoons cornstarch and 2 tablespoons water until smooth. Remove pork from the cooker. Stir cornstarch mixture into cooker. Cover and cook on high for 10 minutes or until the mixture boils and thickens. Serves 8.

Enjoy!

Best regards, Laurie Meier – NIYXU 936–271–1096 n1yxu@arrl.org

Call for Nominations

September is the month that candidates are nominated for NARS officer and director positions. There are three positions open for 2005.

- 1. Vice President 1 year, automatically ascends to president next year
- 2. Director 2 years
- 3. Director 2 years

The election is in November and service starts during the awards banquet held in January.

If anyone is interested in serving in these positions please contact me. Please do, as they are really easy positions to work (from a voice of experience).

Jerry Whiting KB5VGD Nominations Committee Chairman

QUA* Walter Hock KK5LO?

Well, darn – I'm really sorry I didn't get to know KK5LO sooner. He is one of those people who as you will see from his plans for the future, loves to have fun. Walter Hock is moving soon to Hondo, west of San Antonio. We talked about the things he has done while living here and what he is looking forward to doing out west.

Walter was born here in Houston. We have lots of NARSians who were born right here, must be "radio" isotopes in the water. I know, but it's my article. . .

His father took a job with Shell Oil shortly after his birth and they moved to Pasadena. He graduated from Mt. Carmel High School and then began working for Southwestern Bell. He remembers a grade school field trip to the phone company, specifically the switching room. See – that's why they take kids to those places – maybe President Bush saw the Oval Office when he was a kid.

He began in the store room filling hand—set orders for the technicians. They had just begun offering "color" phones (for a "minimal" monthly charge). The phone company sure has come a long way since then!

He was soon promoted to the line crew, but this was 1969 and he spent the next three years in the Army.

Trained at Ft. Lewis in helicopter maintenance, he then didn't touch a helicopter for two more years. He was sent to Ft. Mead; there were no helicopters so he worked on tanks and trucks. He was transferred to be the driver for a Provost Marshall, who didn't have a vehicle to drive, so he was a clerk typist.

Then he was sent to Viet Nam – finally helicopters. He was on a base in Vung Dao, where he participated in the 1000 hour maintenance check-ups. He never saw combat, in fact, the guns were kept in locked

cabinets.

After one year Walter was sent back to Ft. Mead, finished his time and then came back to Houston and the job he left, with the time he served accumulated toward his retirement.

He was again promoted to managing the buried cable crews. In the following years (there were 33 1/2 of them) he held a wide variety of positions, most related to "cable management". He coordinated with crew, right-of-way contracts, building departments, engineers and outside contractors for large cable placements.

But, his favorite was in the last ten years, when he began working with fiber optics. It was very challenging and had rigid restrictions. The cable must be laid with no greater than a 10 inch radius bend. He explained the problems behind "fiber to the curb", which is something I have wondered about. The biggest difficulty is that you cannot carry power through fiber optic cable and the phone company has always prided themselves on service, even when power is down. I'm always learning something new!

In 1986, Walter met Kathy through a mutual friend. She has a son and a daughter. They have provided two granddaughters, with one more on the way.

They also have Junior, a basset hound, who is missing his mentor hound, put to sleep last week. Franny sends her condolences.

Walter first heard about amateur radio when he worked part—time for a TV repair shop while in high school. The owner's name was Norman, W5AJB. He began studying for his license in 1991 and passed Tech Plus in April of 1992. He had a personal goal to get his code and pass the written exam at the same time. He then upgraded to General in 1995, Advanced one month later and Extra in 1996.

Walter put up a 40 foot crank-up, tilt-over in

1997 with a Force 12 antenna. He has another 70 foot crank—up just waiting to go up in Hondo. He uses an ICOM 756 Pro2 and an ICOM 910 satellite, 440, 2—meter. He also has an AL80A, 1000 watt amplifier.

KK5LO's favorite contact was one of his first on a 35 watt radio with a 35 foot vertical dipole. The contact was with Japan. The hardest was North Korea on 15 meters at 23:00 hrs to P5/4L4FN. Walter enjoys working all bands, but 10 meters when it is clear is his favorite.

Walter also has a fish story. He caught a nine foot sail fish in Ixtapa, Mexico. He enjoys hunting and is headed for Colorado for Elk in the fall. It will probably be a little too far to drive back every week to play a round of golf with the NARS group.

Kathy grew up in Ireland and they have made several trips to Shannon to visit her family.

Their house in Spring is on the market and the home in Hondo on 5 acres will be ready in two weeks. When I called he was busy packing. He has always wanted to move further west, closer to the "good stuff".

When I asked Walter to sum up his life he said that he "always tries to look on the good side of everything. When you get past the stress you can look back and find something good. He learned this from his parents and it has helped through years of life".

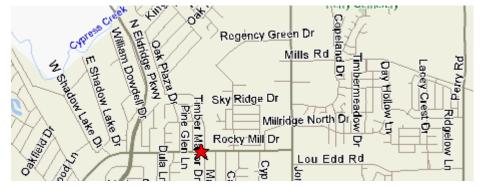
Well, Walter, we will miss seeing you at our meetings, but since this is radio we are involved with, I'm sure we will hear you soon. Since 10 meters is your favorite, hopefully we'll catch your infectious attitude on the Monday night net, all the way from Hondo!

Schalee Lodge, KD5WLL Ham & Sheez Reporter

* QUA: "Q" signal meaning "Have you news of . . . ?"

Coy Day to speak at NARS October Membership Meeting

NARS will have the honor to host Coy Day, ARRL West Gulf Division Director at the October 15, 2004 club meeting. Coy will be speaking on a variety of topics including BPL, the recent ARRL bandwidth proposal, restructuring II and some aspects of ARRL finances. As we have invited other clubs to attend Coy's presentation the location of the meeting has been moved. The new location will be at the Cypress Bible Church, 11711 Cypress North Houston, Cypress, TX 77429 (see map). Hope to see you there.



DX News

"For All the NARS DX News Fit to Print"

Hi Gang, Well the month of August started off with a bang centered around the YV0D expedition. Try as I may, could not get through the pile ups and then they went QRT early. I guess I'll have to wait a long time for the next chance but I congratulate Paul W5PF and Bob N5ET who I heard work them on the air.

Did get one QSL card in from Western Samoa 5W0KE which was a new one for me. That makes 222 confirmed on phone so I should be happy about that. The most eventful contact of the month was with VP8LGT on 15M phone from Cape Pembroke Lighthouse near Stanley in the Falklands. Well, enough about my own little report but it leads into the next item.

The Group Tomball DX'ers will be making a trip down to the Falkland Is. in November and with a little help of the propagation Gods they should be workable into Texas. Good Luck.

VP8, FALKLAND ISLANDS. The Group Tomball DX'ers (GTDX) has announced their second annual DXpedition. This year the group consisting of Cal White/WF5W, Dutson/NM5G, Keith Madison Jones/W5MJ and Paul Frantz/W5PF, will visit the Falkland Islands. They will arrive on Saturday, November 20th, and leave on Saturday, December 4th. Activity will include an entry in the CQWW DX Contest as VP8WWW. During the rest of their stay the group will be active on all bands from 80-10 meters with the possibility of 6 meters depending on conditions. The WARC bands will be emphasized, and there will be activity on RTTY and PSK. Individual callsigns will be issued upon arrival in Stanley. QSL all callsigns via W5PF. The group will have two Kenwood TS-480HX transceivers. Amplifiers are not permitted, so this will be a low power operation. Operation will be on or near the following frequencies:

CW - 3503/3523, 7003/7023, 10103, 14023, 18073, 21023, 24893, 28023, 50103

SSB – 3795, 7055, 14195/14260, 18145, 21295, 24945, 28480, 50103

RTTY - 7035, 10133, 14083, 18101, 21083, 24920 and 28083

PSK - 7035/7080, 10143, 14071, 18101, 21071, 24920 and 28120

For the latest information, please check their Web site at: http://www.gtdx.com

GTDX founded!! Web Site set up by Keith www.GTDX.com

Cal W5FW sent this in.

Powered tilt-over Rohn 25 tower on the trailer finished and up with the little TA33 mini – hand rotated (by rope) at about 32 feet. 5/8 2 meter on the top and the 80 meter dipole just underneath at 31 feet, self contained, no guys needed. First run at the Tomball Field Day (September 3rd/4th). Look for this set up in West Texas – next year's TQP.

DX worked this month on the Mini beam V51AI, WP3TN on 20, AND the 94 year old ham (W3PWG Rolland), in Pennsylvania that sent contributions to the LARATS at Redd School.

Not DX but from the Redd School a 7 year old student named Carol, talked to K5VUU on 2 meters and advised us she would definitely be in the next ham class at the school!!

That's it from this shack Cal WF5W

John W5PDW has a good report this month. But wait a minute; I didn't get a card from Zed. Talk about special treatment.

Got my first new one in a while, YV0D. Also got a bunch of Special Event cards and certs including the Battleships Missouri, Wisconsin and N.J., all Iowa Class. Several submarines too. Got a card from the Battleship Texas, thanks Zed. The highlight of the month was working N7C in Window Rock Arizona. This was a 12 min QSO with the Code Talkers special event station. Spoke with Thomas Begay, a WWII combat veteran from the 5th Marine division. I mentioned a Codetalker book that I have, he said turn to page 29, lo and behold, there he was! Thomas served on Hawaii, Enewetok Atoll, Guam, Tinian, Saipan and Iwo Jima. There are several very interesting books about the CodeTalkers. Check em' out.

That's it for now. Back to chasing special event stns while looking for a new one to pounce on.

Mike K5UO sent in this report.

Not much for "dx-es" this month as have

been working on various parts of antenna systems:

All new band counters:

- 1) ER6OEM (Moldavia) 8/23 03:30Z 10.105 MHz
- 2) ZB300FK 8/28 22:48Z 18.070 MHz

Lee K5AVY was pretty active in August.

QSL cards for the month: IK4GRO, Italy; ZL2UO, ZL1TM, New Zealand; S5040R (S50R), Slovenia; OH9AR, Finland (new); CU3GD, Azores (new); FK8GM, New Caledonia (new). All on 20 m phone except the Azores on 17 m phone. And a couple I have to brag about, but not necessarily DX: W9RCA – commemorating 50 years of color TV production; NA5DV – Battleship Texas, thanks Uncle Zed! Stations worked were few: T20DX, Tuvalu; T45LH, Cuban Lighthouse Faro Maya and FO5RJ, French Polynesia/Clipperton Island, France.

My informal DXCC count is now 101.

Jim K5JDB always has a good report.

Jim, K5JDB had only 42 DX contacts this past month. 11 of them were mobile. Wore the whip on my screwdriver plumb out and had to get a new one. Finally got busy sending out QSL cards and was amazed to find that I got some back when I did that. Honorable mention is FO/ON4AXU, SN6EAM, J79FWW, ZD8A, VP2E, F5TLN/TU8, 7Q7MM, ZA1UT, 3XDQZ/P and 5V7C. Great fun and looking forward to the fall and more activity. 73 Jim

And from the desk of Bruce N1LN

>> Still inching closer to DXCC - 160:

As of July 29th: 103 worked / 91 confirmed.

As of Aug 29th: 103 worked / 92 confirmed

Added: HP1/DJ7AA Panama DX Worked:

The low bands are starting to warm up for the 2004/2005 contest season – 7P8DA – Lesotho 80cw. Other than that nothing really to report. 73 Bruce

That's all for now.

73 Al Fritsche W5ADF

Welcome, Congratulations and Condolences

Welcome new members John Cook KE5CBT and Jerry Seay. Condolences to the family of August C "Buddy" Lindner III KC5NSW, SK.

NARS Resource List

General Help:
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Gregg Erlenbusch, W5IDX PSK/RTTY
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VHF/UHF: Brian Derx N5BA 281–894–5942

PC Programming and Operations: Keith Dutson NM5G 281–351–7683, wd5dxl@arrl.net Interference (Basic Advice):
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10M Ragchew: Mon 8:00 PM, 28,444 ssb Coordinator: Jim Kirk KJ5X 281–376–0718, kj5x@swbell.net

WEB SITE

URL: http://www.w5nc.org Webmaster: H.O. Townsend K5CX 281–376–7416, k5cx@arrl.net

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REPEATERS

2M: 146.060 / 146.660 (KA5AKG)

Tone: 141.3

70 cm: 449.375 / 444.375 (KA5AKG)

MEETINGS

Monthly General Membership
Third Friday each month at 7:30 PM
Spring Cypress Presbyterian Church, 6000
Spring Cypress Road

Saturday Breakfast Victor's Restaurant 7:30 AM

Wednesday Lunch 11:30 AM Various locations (Info on 146.660 and listed on front page in Important Dates column)

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Send all articles and materials for the Newsletter to:

Editor: Keith Dutson NM5G 281–351–7683, keith@dutson.net

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