

NARS NEWS

The Northwest Amateur Radio Society

Houston, Texas

April 1999

The South Sandwich Saga

The April meeting brings an interesting videotape of another near-Antarctic DXpedition -- this one to the South Sandwich Islands. This DXpedition took place in 1990. Down in the deep South Atlantic Ocean are several island groups which make up separate counters on the DXCC list. Some, such as the Falkland Islands, can be worked fairly readily. Others, although like the Falklands pieces of British property from the days of empire, are unpopulated and often quite inhospitable. Consider the South Orkneys, South Georgia and the South Shetlands. Collectively these various VP8's represent five DXCC entities. Over the years they have presented problems only slightly less formidable than Bouvet and Peter I. Come to the April meeting and learn a bit more about DXing in the deep South Atlantic, where travel and living conditions make operating a DX station a real challenge.

-- K8CSG

The March of Dimes WalkAmerica

The March of Dimes WalkAmerica 1999 will be held on April 25 at the George Bush Park (Cullen Barker Park). It is just located west of near Hwy 6 and Westheimer. We will need to show up at 8:00am and the walk will start at 9am. I will need about 10 hams for this event. We should be done about 12pm. We will use a simplex 2 meter frequency for the walk. The route is a straight 3 miles out and back with 5 water/rest stops. If you would like to volunteer, please call Paul Owen, N5NXS at home 281.894.7758 or work 713.644.8872 or e-mail me at n5nxs@flash.net

Buffalo Bayou Regatta

The Buffalo Bayou Regatta will take place on Saturday May 1st (rain day May 2nd). The regatta is a canoe race down Buffalo Bayou, from San Felipe, near Voss, to Sesquecentennial Park downtown. It usually lasts from 8 am to 1 pm. Lunch is provided at the finish. I am looking for at least 10 or more operators to man stations for the event. You will need a 2-meter handheld, pen and paper, and a comfortable lawn chair. If anyone is interested in volunteering, please give me a call or send me an e-mail. This is another of the officially sanctioned NARS Public Service Events.

--Scott, N5KEU

Important Dates

Friday, April 16, 6:30-9:30 PM

NARS General Membership Meeting at
Spring Cypress Presbyterian Church, 6000
Spring Cypress Road

Saturday, April 24, 8:30 AM

License Exam Session. Tomball Community Center, S. Cherry & Market streets (just South of Main.)

Tuesday, April 27, 7:30 PM

NARS Board of Directors meeting, H.O. Townsend's home, 16880 E. Maglitto Circle

Wed. & Thur. April 7 & 8, 1999

And Succeeding Wed. & Thursdays

NARS Novice and Technician Classes
Prince of Peace Catholic Community
Tomball Pkwy. just South of Cypresswood

Contests:

April 12: VHF/UHF Spring Sprints

April 17: European Spring Sprint Contest

April 16-18: DXYL-NAYL CW contest
sponsored by YLRL

Michigan QSO Party

April 17-18: Holyland DX Contest

April 25: March of Dimes Walk America

April 23-25: DXYL-NAYL SSB

Weak Signal Activity Weekend

Six Meter Sprint

Florida QSO Party

Helvetia Contest

Nebraska QSO Party

Ontario QSO Party

QRP to the Field

May 1: Buffalo Bayou Regatta

May 1-2: ARI Int'l DX Contest

May 8-9: CQ-M Int'l DX Contest

Deadline for articles to appear in May issue
- **Friday, April 30**

BREAKFAST at Victors

4710 W. FM 1960

**Saturdays
8:00 AM**

President's Corner April 1999

Howdy all...

Seems like time flies when you're enjoying amateur radio. Can you believe it, March is gone. Gone are the night time 40 meter QSOs and the 5 a.m. DX pile ups on 20 meters. On the other hand, with 20 meters and other bands open longer we are in store for more great QSOs around the clock. To enhance your opportunities for "the big one" send \$5 for S&H to W5PDW (tell'm I sent you) for your special free sample of the "5ZTY" antenna wax. No CODs, cash only. John has promised to share in the snake oil sale.

"A packed house" can only describe the turnout we had at the March meeting. Thanks to Charles Roeseler, Meteorologist Houston/Galveston National Weather Service, for the fine "Skywarn Spotter Training" program. Someone counted seventy plus club members and visitors. Supporting this program fulfills one of the criteria (public service communications) for the existence of our hobby. Spring is a good time to tidy up your ham shack and ensure your antennas and rigs are in good working order. Think about auxiliary power sources and auxiliary antenna systems to be used in emergency situations. Preparation!

Your Board of Director's is busy planning for a number of important events. By the time you receive this copy of NARSNEWS, the annual Novice/Tech class will be under way. The clubs participation in this year's Texas QSO party is in full swing. Walter - KK5LO and George - K5VUU are also working on this year's Field Day event. If you want to participate, contact one of these guys now. Don't wait. Finally, plans are being made to modify our usage of the Rosehill tower access to better serve a larger number of members. We are on a roll.

There is a new way to submit newsletter articles to the Editor. It's an electronic thang. Go the front of the NARS web site and click "Click to submit Newsletter Article(s)." A blank e-mail will open. Paste your

article into the body of the e-mail or attach your file to the e-mail. At some point send your e-mail off. You can also e-mail directly to: narsnews@bfweb.com

In closing, see you at the weekly Saturday morning breakfast. The key word for the next few months is "participation." Lots of good QSOs and DX contacts to all.

73 de H. O. - WA5MLT

I thought of something else. Back in the February 1997 issue of NARS News I wrote an article on QRP and in it I tried to encourage some of the reluctant ones to try their hand at working CW on the air. I'm gonna try again. I could solicit a testimonial from one tall, gray headed, ex CW hater, who was content to be a rag chewing SSB op for the rest of his life until he tried one of the QRP CW contests. But he would write a longer article than I will, so I will just refer you to him if you have any questions.

You have all heard and probably agree that the best way to get proficient with Morse code is to use it on the air. It's kind'a like taking a test. You automatically try harder because what you miss you might have to know to reply. If you miss something on a tape or a computer program it doesn't make any difference therefore you get lazy. So, if you want to get that upgrade soon, get on the air. Easy to say, hard to do? Maybe not. There are frequent CW operating events that are not speed contests by a bunch of hot shot cw ops. They are QRP contests. Most QRPers are tinkerers and builders, not operators. The QRP clubs sponsor contests to encourage the members to put down the soldering irons and get on the air. As you might guess, these guys and gals are not speed demons and they are not hell bent to win at all costs. Many couldn't care less about winning, they just want to try out the equipment that they have been building. People who build things also like to talk about it and help others understand what they do. They are natural Elmers. What does this mean to you? A low-speed, friendly contest where the ops will slow down to your speed, without having to be asked to, and they help you make the contact. They will stay with you through all of the repeats that you ask for until you have it. There is one of those contests on the first Monday night of each month from 8:00 to 10:00pm local time. It is called the Spartan Sprint and you don't even have to turn in a log if you want to remain anonymous. I promise that you will have fun and your CW will vastly improve. You might even find that you like CW.

I told you about the NorCal club NC-20 kit transceiver that was to become a commercial venture. Well, it has been announced that Dave Fifield, AD6A, one of the principal designers of the rig, will take it public via a new kit company called RED HOT RADIO. The NorCal 20 will be the first of many high performance kits from Dave. He plans to introduce the "Red Hot 40" a 40 meter version of the 20 meter design right away. It will be a couple of weeks before he starts taking orders because of some long lead times on some of the parts ordered. If you are interested you can check out the whole Red Hot story on their web site at <http://www.redhotradio.com>

The 40 meter QRP-L Fox Hunt is over for this year. It started in September and ended the first week in March. A group of NARSians, W5SB, KQ5U, KK5LD and K5ZTY entered the team competition as the Houston Hounds a week late. Some told us that being a week late we would probably have a hard time catching up to the pack that was already off and running but we jumped in anyway. Well, because of dogged determination, extreme sacrifice, fierce competitive spirit, unwavering dedication to the team effort, and the huge advantage of all four of us living in the south central U.S. where we all four hear every fox every night, we won the team event going away. Now I gotta find out where we go to pick up the winners purse.

Finally, I would like to assure the members that you are getting a newsletter that has been edited for correctness in fine detail. In both of the previous QRP columns that I have written I signed "72, Unca Zed" on the copy that I turned in. When the newsletter came out the signature had been corrected both times by our eagle eyed editor to read "73" as he supposed it should. However, I hadn't made a typo, I meant "72". You see, "72" is a QRP "73". It's the QRPers secret handshake. See what you can learn by reading the NARS News.

72, Unca'Zed
(Sorry 'bout that, Unca' Zed. -- Ed.)

KC5QNJ Successes

Many of the NARS members from a few years back will remember a young man who showed a lot of promise for success. Justin Williams, KC5QNJ, was a young student here in Houston before his family moved to Amarillo about two years or so ago. Justin has continued to do well, as reflected in his recent message to Mark Tyler, who was involved with him through scouting and "elmering".

Last year he competed in several regional and state competitions testing students abilities in electronics and extemporaneous speaking. At the regional level, he received first place in Lubbock on Electronic Skills and second place in Extemporaneous Speaking. At the state level he placed third in Electronic Skills.

This year, he tried again. He won first place in both the Electronic Skills and Extemporaneous Speaking competitions at the regional level. For this he won a \$300 scholarship. On March 31, he was awarded a \$1000 scholarship and on April 6 was inducted into the Natrional Honor Society. On May 6-8 he will compete in the State VICA program for both Electronic Skills and Extemporaneous Speaking in Corpus Christi.

To some of us, seeing Justin's progress and successes is very heartwarming. It is truly good to see a young ham operator make significant marks while still in high school. Some of us felt that we saw some of this potential when he was here in Houston. Our confidence in him has not been wasted. I know Mark Tyler feels very good about Justin, and is convinced that his elmering was a very constructive expenditure of his own time and energy.

-- K8CSG

ARRL Membership

During the March 31 NARS 2-meter net, the question was: "Are you a member of the ARRL and, if so, for how long?" The results were a bit surprising. Twenty-two people participated in the net. Of those, 18 are current members of ARRL, with lengths of membership varying from approximately one year to 47 years. This is, I think, a remarkable record. Of the other four in the net, three had been members previously.

Some people choose not to belong to the ARRL. Their reasons vary, and we need not go into them here. Many of our members feel, however, that the ARRL is the best organization for representing us in affairs that can significantly affect the future of amateur radio. Individually, not many of us can exercise such influence. As a part of the national organization, however, we can be a part of such influence, both nationally and internationally. Where else can you get more for 9.3-cents a day?

-- K8CSG

The 1999 Texas QSO Party

NARS needs your help. And you don't have to be a big contester to enter. NARS is again entering the the TQP. Last year Nars won the Top club aggregate score. George Edwards K5VUU and myself met with the TQP chairman Henry Schneider W5HNS. We want to keep our NARS Texas Pride. So here is how you can help.

All you have to do is make a few contacts, May 22-23 1999, give a report of 59 and your County, and keep a log of your contacts with the other station's report of 59 state, country, or TX County. Then give it to me or George. Don't worry how the log is to be made out. We can give you a log sheet and summary page to give back to us. The rules are posted on the TDXS web page at <http://wb5fnd.tech.uh.edu:80/~tdxs/>

Be sure to see George or me for any details.

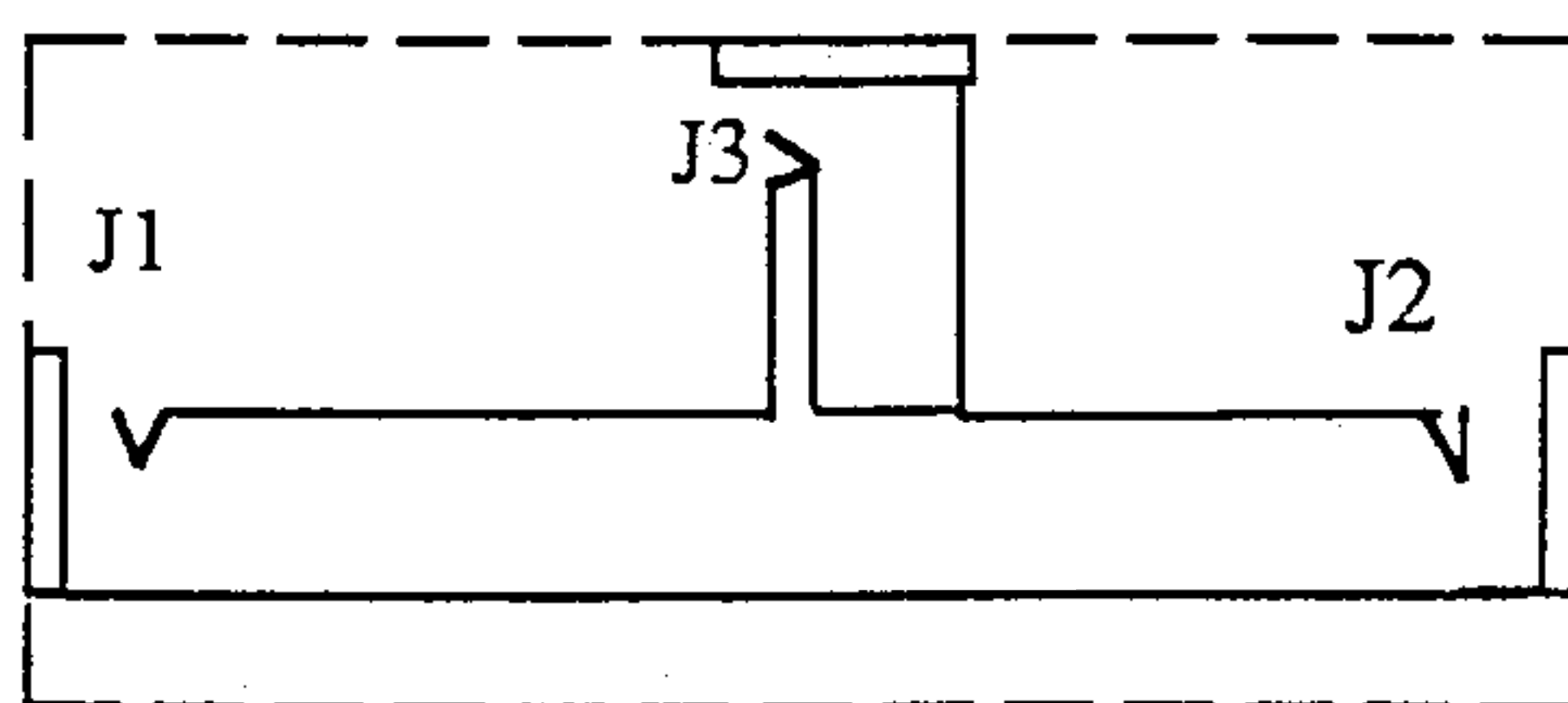
-- Walter, KK5LO

National Exam Days

ARRL National Exam Days are fast approaching (April 24 & 25). Perhaps some of our members who are nely licensed would like to upgrade and get in on the HF fun. National Exam Day could, perhaps, be a target date and the NARS VE team looks forward to seeing you on Saturday morning, April 24.

For those who want to improve their CW fist, here's an old idea for a Code Practice "Oscillator" that costs under five dollars to assemble using all new parts available at your nearest Radio Shack (or EPO, etc.). Using a normally-closed phone jack (J3) for a keyer line will enable you to keep the CPO in0line on a full time basis. After construction, plug in your headphones or external speaker, tune your receiver to a steady broadcast carrier for a pleasing pitch and enjoy your practice session.

Good luck on your upgrade and good CW!
73, Bruce, WC5CW



Parts list

Enclosure (RSU 11907631)

J1, J2 Phone jack, N-O (to match audio patch cords)

J3 Phone jack, N-C (to match key line)

Hook-up wire

March Board Meeting

Programs -- May - Coy Day N5OK Vice Director, West Gulf Division of ARRL (tentative) and Field Day planning. June -- Field Day.

Rose Hill Tower -- Plans underway to convert the current node to a remote receiver for the 2-meter repeater. The current node will be transferred to Keith Dutson's new tower when it is installed.

Field Day -- Walter Hock has accepted being the Field Day Site Coordinator. George Edwards has accepted being the Assistant Coordinator. Allen Majeski has accepted being the Field Day Operations Coordinator.

Bob Argo KC5JZO, Secretary

DX News

*And all my dreams are trances,
And all my mighty dreams
Are where the DX glances
And where the Deserving screams--
In what ethereal dances,
By the rippling Big Bend stream!*

Loyd dropped down by the Big Bend Corral to see what the Sundancers were doing. "Just marking time," the Big Bend Sundancers leader said, "just marking time." Loyd had hoped for more and back up in the barrancas he could hear the dry rattle of the tenor bongos. But then the air was shattered by the thundering boom of a bass bongo, with Loyd clinging to a tree while the very earth shook beneath him. "What was that?", he asked as things settled. "It felt like 6.5 on the Richter". The B.B. leader smiled. "That's BIG DX", he said, "and we were just doing a bit of testing. BIG DX will soon be here and all we Big Bend Sundancers will be out there to bring the new Cycle 23 routines to the Deserving DXers everywhere." And the B.B. leader did a couple of fancy steps, clapped his hands three times and the skies reeled again as the Bass Bongo back in the barrancas boomed. "Have to warn IAH everytime we get ready to test," the B.B. leader said. "Gives them a chance to run in a couple of sonic booms unnoticed by the EPA people. We work together on these things".

March began with relatively poor propagation, including a high A index. Little good DX was appearing and it was just as well that the local DX cluster seemed to be having some problems. By the end of the week, as the ARRL SSB DX Contest appeared, many of the local Deserving DXers were finding alternatives to the K5LV cluster. The propagation forecasts for the ARRL DX contest went astray as the numbers failed to meet the forecasts. Fortunately, despite the relatively poor numbers, band conditions proved to be largely adequate for good contesting. March 13 was not a bad day. The SFI got up to 144, with A & K indices of 5 and 1. Some good DX was found on the bands and worked by numerous NARS DXers. These included 5X1T in Uganda, HK3JJH/HK0 on Malpelo, XF4MX on Revilla Gigedo, ZA5G in Albania, 9J2AM in Zambia and others. At the end of the month, the numbers were still down, with the SFI at 104, the A at 22 and the K at 2. This was being blamed on a coronal mass ejection that occurred on March 26. Despite the poor conditions implied by these numbers, there was a nice LP opening on 20-meters on March 30 into the Indian Ocean. This flew in the face of a major solar storm on March 29.

LOCALEVENTS: George, K5VUU, was pleased to receive three JT1 cards from Mongolia the same day. He also received his DXCC certificate on March 10. Several NARS DXers

received their cards from the E30GA operation in Eritrea, putting grins on several faces. WA5MLT made some progress; he has QSL cards printed now! K8CSG worked Lord Howe Is. on Mar. 8 and began touting the local chaps onto it. The same pattern was followed with the Revilla Gigedo operation by XF4MX, and later with the HK3JJH/HK0 operation from Malpelo. Two of those three are pretty good DX, too! Steve, KD5AIJ, went home before getting to work to land Lord Howe, and then got Malpelo at midweek from his car. Jim Kirk Also got Malpelo after a timely phone call. Loyd, KM5OE, got out to West Texas on March 10 and immediately began working some of the good DX that has been on. Jim, KJ5X, received a note from the WAZ manager that his WAZ application had been approved and sent to CQ for the engraving of the actual certificate. Later, Mike Hance received a similar note. The WAZ Manager had had a serious illness for several months, which delayed WAZ processing significantly.

DX WORKED: CE0AA (Easter Island) 10m 1952Z; XF4MX (Revilla Gigedo Is.) 20m 1545Z; RK2FWA (Kaliningrad) 15m 1605Z; 9G5JE (Ghana) 20m 2230Z; JH7PKU and six other JA's (Japan) 75m 0839Z; XA5T (Mexico) 80 and 40m 0930Z; 9J2A (Zambia) 10m 2225Z; 7M4BEN (Japan) 10m 2240z; 9J2FR (Zambia) 15m 1833Z; VK9EHH

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George DiLetto, KDORW
President

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DX News - Continued

(Lord Howe Isl.) 20m 1520Z; HK3JJH/HK0 (Malpelo Isl.) 20m 1406Z; XX9AS (Macao) 20m 1210Z; VU2WAP (India) 15m 1634Z; 9H4GRS (Malta) 10m 1817Z; D2GG (Angola) 20m 2232Z; T33RD (Banaba) 15m 2314Z; DS5VXK (S. Korea) 15m 2356Z; 5B4ADA (Cyprus) 20m 0406Z; VR2KF (Hong Kong) 20m 1325Z; 5B4/RA0RM (Cyprus) 15m 1543Z; 9H4XY (Malta) 10m 1849Z; A35LU (Tonga) 15m 0105Z; DU1KT (Philippines) 15m 2124Z; TK/F6GWV (Corsica) 10m 1312Z; SV3AQR (Greece) 15m 1702Z; VR2BG (Hong Kong) 15m 2315Z; CN8OO (Morocco) 20m 2147Z; TZ6T (Mali) 20m 2204Z; VQ9CV (Diego Garcia/Chagos) 20m LP 1648Z; 3B8FG (Mauritius) 20m LP 1300Z; 9H1EL (Malta) 20m 1605Z;

DX HEARD/NOT WORKED: VQ9ZZ 15m 1311Z; A41KJ MUSCAT 21M 1520Z; VU2SUS India 20m 1255Z; VU2RTF India 20m 1502Z; VK3CR (Australia) 20m 1145Z; 4Z4UR (Israel) 20m 0345Z;

QSL ROUTES: VK3EHH via W8WC; HK3JJH/HK0 via HK3JJH; XF4MX via XE1MX; VE5RA/KP2 via VE5RA; CE0AA via CE3QDH; VU2WAP via WA2YMX; VQ9CV via ND1V; UT5UDX via UT3UA; D2GG via CT1GG; T33RD via OK1RD; RA2FBC via DF4BV; 9H4XY via G3ZVJ; A35LU via K1LU; VQ9CV via ND1V; OT9A via ON4UR; CN8OO via POB 299, Rabat, Morocco; V31GI via PA3GIO (buro);

The TDXS boys, augmented by W5SB and WA5SAJ from NARS, seemed to be having a great time at 0400-local time in Mexico. W5SB was going strong on 80-meters when I finally found him. Fortunately, he had a voice keyer to help him avoid sounding like K1OJ. Bob Perring, N5RP, was hanging tough on 40-meters at the same time, but was buried in the noise up here. Finally got into his log despite the noise, etc. W5SB and WA5SAJ drove down together in Marian's Cadillac. When it quit while at the remote Mexican "wilderness DX site", Bill nearly panicked -- until one of the local Mexican hams turned out to be an accomplished auto mechanic. End of problem.

March was not a bad month for DXpeditions. Malpelo, Lord Howe, Revilla Gigedo, St. Peter and St. Paul Rocks all were active during the first half of the month -- enough to whet the appetite of even the most jaded DXer. Later in the month the Czech boys moved from Kiribati to Banaba as T33RD, and SØ7UN showed from Western Sahara.

The CW QWW WPX contest occurred during the last weekend of the month. Although the propagation numbers were not especially good, the usual interest in contesting brought much life to the bands. Mike, K5NZ, played on ten meters, but lost to KZ5MM. Others played various ways. K8CSG just played, but worked over 400 QSOs. Conrad, W5MN, made well over a thousand QSOs. Various individuals reported working such stations as BY1DX VR2BG, XX9AS, amid a broad array of lesser finds. Everyone seemed to be relatively happy with their results and the band conditions.

The projected Rodriguez Island DXpedition is scheduled to come off between April 1 and April 11 (after this newsletter comes out, unfortunately). The Midway-Kure DX Foundation plans a good operation on all bands and all modes. For those who work it, the QSL manager is N7LVD.

Mike Hance has several interesting stories about contacts he had with intruding CBers on ten meters during the WPX contest. These interesting individuals continue to be as dumb as in the past. One chap who was challenged for his callsign went away and apparently listened a bit. Then he came back and signed what he thought was an amateur callsign. Unfortunately, he did not know how many letters are included in amateur suffixes. He had too many of them! When will these guys ever learn?

George, K5VUU, happily told me about receiving a card from SU (Egypt) during March. He was very relieved when he was told that Egypt is also in Zone 34, along with Libya (5A1A) and Sudan. That means he does not need to worry about getting a QSL from Abubaker at 5A1A in Libya. It is always a bit nerve wracking to wait for cards from that country, especially when you have only the one station and his QSLing is a bit shaky.

A late bonus arrived on the scene on March 30 when SØ7UN appeared from Western Sahara. This is a DXCC counter, and the station may be the United Nations operator who was operating from there as CN2UN earlier. His initial claim that as a UN representative his contacts would count for W. Sahara was promptly and firmly batted down by the DXCC Desk which proclaimed that only stations with an SØ-prefix would count for that entity. Unfortunately his signals were fairly weak in Texas.

--Bill, K8CSG

VE Session Results

Saturday, March 27, saw another successful NARS/Compaq Examination session in Tomball. Four candidates completed eight exam elements which included three code elements. Five elements were passed, including one 20 wpm code element. The net result was one new Technician, one new Technician-Plus and one New Extra Class licensee. The extra class candidate turned in a perfect paper on the written element, and appeared surprised when he was told he had also passed the code element. Participating VEs included K8CSG, WA8GHZ, W9DX, KK5CA and KJ5X from NARS. Walter Holmes, K5WH, represented Compaq.

-- Bill, K8CSG

Wrap Your Guy Lines

I had been worried for some time about the guy lines in my yard. They are difficult to see, and I thought that someone might be injured by walking into them. My solution to the problem provides padding and makes the guys much more visible.

I went to the local hardware store and bought three foam rubber insulating sleeves for half-inch pipe. Each sleeve is four feet long and silver or black in color. The sleeves are slit along one side and slip easily onto the guys. I spray-painted the sleeves fluorescent yellow to increase their visibility, but they must be painted very lightly as the paint solvents can melt the foam.

(Originated by WD9DID, Milwaukee, Wis.)

-- Harry Gage, N5WIZ

Welcome New Members

John Battles, KD5FCO Dale Thibodeau, N5HT
Tom Nicholson, KM5FM Laura Thibodeau, N5LWI

Welcome back: Paul Bonneaux, KC5IKN
Congratulations to Ron Pearson on his upgrade to Tech Plus.

NARS Resource List

General Help:

Bill Stietenroth K5ZTY, 281/893-3901
Allen Majeski WA5REJ, 281/353-8653
Bill Denton W5SB, 281/469-8331

Antennas

O.J. Quarles K1OJ, 281/955-1555, HF
Larry McCain WA5SAJ, 281/469-6709
Madison Jones W5MJ, 281/350-4330

CW

Bill Gary K8CSG, 281/537-9240, DX
Bill Rister KC5EZQ, 281/537-8596
ATV

Satellite:

Deral Kent K5WNO, 281/548-7476
RS12/13
Dick Rooney W5VHN, 281/288-8424

Electrical Design, Troubleshooting:

George Carlson KC5RCC, 281/376-8307

Packet:

Don Bedell KA3BKU, 281/370-6576

VHF/UHF:

Brian Derx N5BA, 713/894-5942

Computer Operations:

Bob Argo KC5JZO, 281/288-7430

Computer Programming:

Keith Dutson WD5DXL, 281/351-7683

Interference (Basic Advice):

Harry Gage N5WIZ, 281/370-7488

Mark Tyler 281/587-0256

Card Checking for Awards:

DXCC - Bob Walworth N5ET, and Linda

Walworth KE5TF, 281/363-0209

WAS, VUCC - Brian Derx, N5BA

281/894-5942

WAZ - Bill Gary K8CSG, 281/537-9240

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and other changes to:

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Houston, Texas 77269-0342

NETS

10M Ragchew: Monday 8:00 PM. 28.444

Coordinator: Jim Kirk KJ5X

jrkk@wt.net

281/537-0718

2M Information: Wed. 8:00 PM. 146.66

Coordinator: Bill Gary K8CSG

bsnn87a@prodigy.com 281/537-9240

WEB SITE

URL: <http://www.flash.net/~nars/>

Webmaster: Ben Worell KM5OT

km5ot@bfweb.com 409/773-4484

Trustee: Walter Hock KK5LO

kk5lo@flash.net

281/350-6633

REPEATERS

2M -- 146.060/146.660 (KA5AKG)

70 cm -- 449.375/444.375 (KA5AKG)

Digipeater -- 145.710(W5NC alias NARS)

MEETINGS

Monthly General Membership at

Spring-Cypress Presbyterian Church

6000 Spring Cypress Road

Third Friday each month -- 7:30PM

Saturday Breakfast at Victors Restaurant

7:30 AM

Wednesday Lunch Bunch at various

locations 11:30 AM (Info. on 146.660)

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