

# NARS NEWS

The Northwest Amateur Radio Society

Houston, Texas

March 2001

## ***Meeting – Friday, March 16, 2001, 7:00PM Skywarn Training from National Weather Service***

It is that time of the year again when the Northwest Amateur Radio Society monthly meeting provides the venue for Skywarn training sponsored by the U.S. Dept. of Commerce, National Weather Service and National Oceanic and Atmospheric Administration (N.O.A.A.), and supported by the Houston Office of Emergency Management. This will be the 3rd year running NARS has offered a meeting date for this training and it is done at this time of year so that we train as many Amateurs as possible prior to our Spring severe weather season here in Southeast Texas.

*Continued on page 2*

## **The Wired Choice – Sequel**

In the February edition of NARS NEWS you read about being wired, and how you can choose to receive the electronic version of the newsletter via email, or directly from the NARS web site. The response to that article has been good, but not enough to put the electronic NEWS into production this month.

So far we have 18 members who have agreed to use the web site and 15 who would like to receive the file via email. There is speculation that many choosing email are doing so to get a “reminder” that the latest news is out. Also, many of those choosing web access have asked how they will know when the current issue has been posted to the web. Accordingly, all members with an email account on record will receive a “notification” by email when the web page has been updated.

To see if you are listed with email, and to verify the address, go to <http://www.w5nc.org>, then click the Membership link in the upper left portion of the home page. Members are listed in call sign suffix order. If you see “n/a” in the E-Mail column, then there is no email address on record for you. If you do not have web access, and have an email account, please send an email to [wd5dxl@arrl.net](mailto:wd5dxl@arrl.net) to ask if your email address is in the NARS database. NARS members who are also ARRL members may subscribe to the service offered on the ARRL web site, to obtain an ARRL email account. This is a nice feature: have your friends send you mail at [xxxxxx@arrl.net](mailto:xxxxxx@arrl.net) (xxxxxx is your call sign), and the mail will be forwarded to your current email account. If you change your email address, just go to the ARRL site and change your ARRL email account, instead of sending the new address to all your friends.

If you have not already done so, please send an email to [wd5dxl@arrl.net](mailto:wd5dxl@arrl.net) with your choice for 1) web access, 2) email, or 3) regular mail. Thanks. By the time you read this, the March issue should be posted to <http://www.w5nc.org>. Visit the site and take a look. If you have a printer, try printing from the PDF, to see if the result looks like this hard copy. If you have a good printer, it will likely look better.

*Keith Dutson WD5DXL, NARS NEWS Editor*

## **Important Dates**

**Friday, Mar 16, 7:00 PM** – NARS monthly General Membership meeting, Spring Cypress Presbyterian Church – Eyeball QSOs, 6:30 PM

**Saturday, Mar 24, 8:30 AM** – VE License Exam Session, Tomball Community Center, S. Cherry & Market streets (just south of Main Street).

**Tuesday, Mar 27, 7:30 PM** – NARS Board of Directors meeting, Terra Nova Clubhouse, 5200 Woodville.

### **Contests:**

**Mar 17–18** – Bermuda, Russian DX

**Mar 17–19** – BARTG Spring RTTY, Virginia QSO Party

**Mar 24–25** – CQ WW WPX SSB

**Apr 7–8** – SP DX, EA RTTY

**Apr 12–15** – JA Int'l HF DX

**Apr 14–15** – MARAC County Hunter SSB

### **Wednesday Lunch Bunch:**

**Mar 14** – Brown Sugar's BBQ

**Mar 21** – Red Lobster

**Mar 28** – Strack Farms

**Apr 4** – Pepperchino

**Apr 11** – Original Past Co

**Apr 18** – Carlos Mexican

### **Notice:**

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

*Deadline for articles to appear in the April issue – Saturday, March 24.*

## **BREAKFAST**

### **at Victors**

4710 W FM 1960

### **Saturdays**

### **7:30 AM**

## President's Corner

March 2001

I was listening to the repeater yesterday as I was running a few errands. I heard a couple of conversations, which got me to thinking about the state of our hobby. The first conversation was between two "old timers." What was interesting was that they had both gotten their licenses in the 1950's, had been pretty active for a few years and then gotten busy with family, work, etc. Recently they had both gotten back on the air and were anxious to get back into the hobby. It was also great to hear that some of the regular crew had welcomed them to the repeater and suggested they come to a NARS meeting. If you travel much and listen to many repeaters, I am sure you have noticed that this kind of welcome has become pretty rare.

I also heard a brand new and younger ham ask for a signal report and get a warm response. He indicated he had been listening around on 2 meters and was impressed by what he heard on our repeater. This kind of thing goes a long way towards getting new and "renewed" amateurs interested in NARS and in the hobby. All you regulars deserve a lot of attaboys for taking the time to stop picking on each other and welcome new people to the repeater and ham radio.

There has been a lot of discussion lately about how to get young people interested in ham radio. Indeed we must do that to ensure that this very fascinating and rewarding hobby survives. But as illustrated by the two "old timers" mentioned above, and some others who have recently become active again, there is a sizeable number of hams whose interest has become dormant. As these members of the "baby boom" approach retirement, it is worthwhile to explore ways to get them interested and active again.

*Paul Frantz W5PF, President*

## *How important is time to you?*

Tracking time has become critically important to businesses that must turn on a dime and to individuals who struggle to maintain fast and full schedules. Amateur radio operators consider accurate time important in many of their activities. Only one method of timekeeping—radio controlled technology that synchronizes timepieces to the National Inst. Of Standards atomic clock in Boulder, CO. ensures perfect time in the simplest way possible. Radio-controlled clocks set themselves, change time and provide for quick and easy changes between time zones. It's only within the last several years that the technology to synchronize with the clock has become affordably accessible to us consumers. It is now believed that as the price of radio-controlled technology gets even lower, most other devices that include clocks will begin to incorporate this technology, i.e. vcr's, thermostats, ranges, etc., putting nearly perfect time into the homes of all of us.

I recently received an email from Bridget Haggerty, Manager, Marketing Communications with Chaney Instrument Co. in Lake Geneva, WI. She indicated that two of their atomic clocks models are now being sold by Wal-Mart for \$19.95 and \$29.95. These models are very traditional, basic models that would fit nicely in your dining area, kitchen, and even in your ham shack. I've always been interested in a timepiece of this design, but up till now, the price was difficult to justify. But at \$19.95, I had to have a close up look!

A quick trip to the closest Wal-Mart and I was now the proud owner of one of these technological gizmos. Traditional, it was, but attractive enough that your xyl would approve of your blowing twenty bucks on another wall clock. After carefully reading the instructions, I slapped in an AA cell, went through the calibration procedure, and mounted it in a prominent place in my shack. The instructions indicate the clock will set to the correct time within 24–48 hours. I must have hit the "window," for while I was tuning up the rig to WWV, I noticed the clock had initiated a correction. That baby was right on to the second! The next day I again checked WWV and found the clock to be in perfect sync.

Want to know more about the Atomix line of clocks? Check it out online at [www.atomixtime.com](http://www.atomixtime.com)

*Joe Sokolowski KD5KR*

## Meeting – continued from page 1

Meteorologists from the National Weather Service office in League City, Texas will conduct the course. It will consist of basic knowledge you will need to be an effective severe weather spotter. We have had pretty good crowds take this training in years past and the up-coming session should be no exception.

Please make plans to attend, and note that the meeting will begin **1/2 hour earlier** than normal to accommodate the length of the program. So we'll see you all Friday March 16th at 7:00 rather than 7:30 (eyeball QSO's begin at 6:30 with coffee and donuts).

Skywarn is a public service in which many Amateurs participate. In the event of severe weather, Hams will be the first called upon by the Weather Service to report visual observations and verify information the Weather Service has gotten from it's Doppler Radar. It is a very important skill to have, especially in our part of the world.

So we'll see you there (weather permitting, HI HI!)

*George Levandoski KD5AYF*

# DX News

## “For All the NARS DX News Fit to Print”

What a month of DX activity! DXpeditions, new countries, new QSL card confirmations, what a month. Well, here's what made some of it possible. The month opened with the following solar activity: SFI=153, A index of 17, and the Boulder K index at 3. The highest solar flux began very late on February 6th and extended through the 7th with a high of 170. The A and K indexes were 12 and 2, respectively. From that point through the end of the month, the solar flux tapered off closing at 131 while the A and K indexes remained about the same: 12 and 2. Secondary peaks occurred on the 10th and the 21st. Nonetheless, a number of club members snagged new countries (OK after a little hand ringing). My log note from 2-7-2001 0500 UTC: "Big 20 meter band opening hearing 59 signals from RA3xxx through ZS3xxx."

During the month of February 'mother earth' really tilted over. More and more daylight is reaching into the Arctic Circle above the 66th parallel. When the month started, there was practically no direct sunlight inside the circle; however, at month's close, the North Pole is well inside the "gray-line." As a result of course, propagation is really shifting. I hope most of us enjoyed the great 10-meter openings. Well, they are about to change, and you may have already noticed that 15 and 20 meters is staying open much later.

Put your boots on and saddle-up for more great DXing.

### NARS Charter Members on DXpedition

MENTOR, OHIO, February 28, 2001 – Dee Logan W1HEO and club President Paul Frantz W5PF plan a mini-DXpedition to J3-Grenada, West Indies for a two week period beginning March 30 through April 11.

The following frequencies are expected to be used during the operation. Operation will be on or near these frequencies from 40 through 10 meters.

Special attention will be given to the WARC bands and the General-class portions of the "phone bands."

CW    SSB

7030 7085\*  
14030 14185/14240  
18080 18140  
21030 21320

24910 24940  
28030 28440

\* Listening frequencies to be announced.

J3 call signs will be assigned upon arrival, but they're expected to be J3/W1HEO and J3/W5PF. QSL with SASE direct to the respective call book addresses or via the bureau.

### Local Events:

Wow, what a turnout for NARS DXer's. Just when we heard that Pacific storms had turned over supply boats and downed the linears, there out of nowhere appeared Conway Reef 3D2CI! The following members snagged this one: Mike K7LEX, Mike KM5LA, Mike K5UO, Bruce N1LN, Paul W5PF, Steve N5EN, John W5PDW, Walter KK5LO, Gerald W5BA, and WA5MLT. If I missed anyone who sent me a note, I apologize. Gerald W5BA says we can check the logs at <http://www.kragujevac.co.yu/3d2/> when the crew returns.

Madison W5MJ reports working the 3D2CI 12 meter mobile CW. Madison are you pulling our leg? Mike Bragassa K5UO not only worked them, but did so on 5 to 6 bands!

While all of the hubbub was going on with the 3D2CI, Paul W5PF was taking care of business with 3Y0C Bouvet, D68WL and D68C Comoros, and T32RD East Kiribati. Paul received a nice batch of QSL cards: E30TA, KH6ND/KP5, 1A0KM, A92GE, 5V7VJ, JX7DFA, and TR8XX. This brings him to 308 worked and 295 confirmed.

Walter KK5LO also reports tagging 3D2CI, Conway Reef, D68C Comoros, T32RD East Kiribati, SV5FRD Dodecanese, and 5U2K Niger along with EI2IU. "This retirement is working out all right," says Walter. Well, ...

I think Larry KN5Z must have been on around the clock during February. Larry worked: D68C Comoros on 10 & 20, V73ZZ Marshall Islands on 10, 9K2ZZ Kuwait on 20, T32RD Eastern Kiribati on 10, 17 & 20, P49MR Aruba on 12, and F6CTT France on 40 meters. He heard, but did not work: ZK1JD S. Cook, 3B8GF Mauritius, and Bryan ZS6SD S. Africa. A couple of new cards grace his station: A35AD Tonga and YJ0AYL Vanuatu. Larry might be the hardest working DXer of the bunch. Congrats Mr. McCain.

Steve N5EN worked YK9A 20 SSB this month. Excellent catch Steve. Several of us need Syria.

The DX traps are apparently still working for John W5PDW. John reports 4 new ones: OY Faroe Islands, FP5 St Pierre, PW0 St. Peter/Paul Rocks, and C9 Mozambique. John also worked: RU6, UA4, RK4, TA2, 3D2, V73, A92, CE0, JA1, EY1, EX, DK, D68, UA0, RV4, H44, CO2, OM1, 3G0Z, VP2, CX6, VP5, DU1, JW, 3Y0C, LY, 9A, EM, ER, SV1, and KG4.

Gerald W5BA says we had "some good opening to AF around the first part of the month." That would sure match the SFI reports. Gerald worked 3C1AG on 80 and 40 CW on 1/30 and 2/01, respectively and YK9A on 40 CW on 2/07.

"Someone once said that the definition of a "good" DXpedition was 'one that made a concentrated effort to work ME on as many bands and modes as possible!' By that definition, the D68C effort would have to be considered a success by most. They were upwards of 120K QSO's and counting when I last heard – Gerald W5BA." Worked 15 SSB and CW on 2/12, 10 CW on 2/13 and 30 CW on 2/14

Jim KJ5X reports had a busy month working: VK9NOO on 15M CW on the 5th, YK9A on 10M SSB and EZ8AQ on 15M SSB on the 8th, D68C on 10, 15, 20 (all SSB) and CW on 40 M (on the 9th though the 12), J28CDX on 20M SSB on the 18th, T32RD on 10 and 80 M CW on the 20th and 21st, and C56/DL2OE on 40M CW on the 21st. Not a bad run overall. Jim says the YK9A was a struggle! Jim put another new one in the hopper by working YI9OM on 12M CW.

Jim put up a 40M loop a couple of weeks ago and it did some good including 10 new countries on 40M in the WW CW contest on the 18th.

Mike K7LEX also had a pretty good month: F0/DL5XU Ragniroa, D68C Comoros, 3D2AG/P Rotuma, and as reports previously Mike worked 3D2CI Conway Reef. Mike says he worked the D68C operation using his G5RV antenna. Louis, G5RV, would have been proud realizing that the D68C group was led by Brits! Perfect Mike. Currently, Mike's numbers stack up like this: 192 worked and 93 confirmed.

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# DX News – Continued from page 3

Norm K5OS is doing his best to keep Magnolia's DX group on the air. He reports the following worked: Estonia ES1QD, Detroit AA8OZ Paul was QRP, Comoros D68C, Easter Island CE0YEH, Moldova ER4DX, Corsica TK5EP, Northern Ireland GI0AIJ, Belarus EW3CH, Rotuma Island 3D2AG, Bosnia-Herzegovina T94KU, Macedonia Z32XX, and East Kiribati T32RD. Norm I hope you get a card from ER4DX, I've been trying for 2 years. Good luck and congrats on your DX activity.

Bruce N1LN put some nice ones in the February log: PW0S St Peter/St Paul Rocks, D68C Comoros, KH7YD Kure Is., TA3D Turkey, FM5GU Martinique, VR2MY Hong Kong, and S0NY Western Sahara (pirate?). Bruce, check with John W5PDW and Norm K5OS regarding the S0NY. This sounds like something they have been up to!

George K5VUU found February to be a very good month for DX. George reports 9 new countries. Here goes: D68C Comoros Island, 3YOC Bouvet Island, A35BR Tonga, A92GE Bahrain, VP2E Anguilla, 3D2CI Conway Reef, S92TX Sao Tome & Principe, JD1BCK Minami Torishima, and 5R8FU Madagascar.

George received cards for: ZB2FK Gibraltar, ET3VSC Ethiopia, ZA/S51F Albania, YL4U Latvia, OK2FD Czech Republic, EI8GS County Cork, Ireland, and UA4RC Tatarstan Republic, Russia.

George just received his DXCC Mixed Award with 250-country endorsement. Congratulations OM! George says, "All in all, not a bad month for a 'non-competitive, minimally equipped station.'"

Dick W5VHN was busy as usual. Once again he filled the log with some pretty good contacts: 2/9 1949 D68C 15m, 2/9 2000 D68C 10m, 2/10 0050 D68C 20m, 2/15 0051 EM1KCC 20m, 2/17 1943 CE0YEH 15m, 2/18 0116 JY5HX 20, 2/19 2018 FY5LS 10, 2/20 0026 EM1HO and 0040 CE0ZIS, 2/21 0110 VP8DCD, 0203 VU2ELJ, 2155 4X4JP all on 20m.

>From this Station:

I had the privilege of working 88 QSO's consisting of 49 countries. There were five new ones in there for me: 3D2AG/R Rotuma, 3D2CI Conway Reef, 5U2K Niger, PW0S St. Peter and St. Paul Rocks, and YK9A Syria.

New band contacts consisted of: 80 meter

contacts on 2/14 – HC2/UA4WAE Ecuador at 0621 UTC, G0OFY UK at 0627 UTC, YS1AG El Salvador at 0646 UTC, and 40 contact on 2/7 YU2000A Yugoslavia at 0658. It's amazing what a pair of low-level inverted Vees will do, with skill of course!

I received several new QSL cards during the month: 8Q7XX Republic of Maldives; BQ9P Pratas Is., E30TA Eritrea, PY0F/PY2ZDX Fernando de Noronha, S21YJ Bangladesh, VK9XY Christmas Is., and ZD9ZM Tristan da Cunha. Of course this flurry of cards started by me getting off my duff and sending some out! I'm slowly closing in on that magic number.

DX Heard not worked:

As I mentioned earlier, February turned to be a pretty dog-gone good month for DX. 20 meters was open later and later. In the 'heard but not worked' category on 2/2 Abdullah 9K2GS from Kuwait City was 59+ at 0450 UTC. At the same time, Bob OA2AEL was also 59 from Trujillo, Peru. A little later around 0706 UTC, SU/WA0VOM operating from the Egypt was heard being called by every country in Europe on 14.199 MHz.

Other stations heard: 2/4 C91PH Mozambique 0414 UTC and 2/6 UN0N Kazistan 0326 UTC.

It's really interesting to listen on the bands, enter a log note about your impression of band conditions and then go back and match that up with your station log and the solar activity for the same period. Give it a shot!

The 20 Most Needed DXCC Entities

Here are the top 20 most needed DXCC entities. Count yourself very fortunate for every entry listed below that you have confirmed. For the full list see: <http://www.arrl.org/awards/dxcc/countries.html>.

1. P5 North Korea
2. BS7H Scarborough Reef
3. BV9P Pratas Island
4. A5 Bhutan
5. VU4 Andaman & Nicobar Islands
6. 7O Yemen
7. E3 Eritrea
8. 3Y Bouvet Island
9. FR/t Tromelin Island
10. VU7 Lakshadweep Islands
11. VKØ/m Macquarie Island
12. FRØ/g Glorioso Island
13. VP8/ss South Sandwich Islands
14. 3CØ Annobon

15. ZL9 Auckland & Campbell Island
16. KH5K Kingman Reef
17. FRØ/j Juan De Nova, Europa
18. SV/A Mount Athos
19. VP8/ss South Georgia Island
20. XZ Myanmar

Good luck everyone.

Scheduled DX Operations

Here are some of the scheduled DX operations for March.

- \* Spratly Islands 9M0M 3/1-7
- \* Galapagos Islands HC8Z 3/1-8
- \* Panama 3E500 3/1-30
- \* Taiwan BV9L 3/2-4
- \* Fiji 3D2(xx) 3/2-8
- \* Niue ZK2BQI 3/2-9 (see below)
- \* Ecuador HC5(xx) 3/2-16
- \* Easter Island 3G0Y 3/4-19
- \* Dominican Rep. HI9(XXX)3/4-23
- \* Paraguay ZP5(xx)3/6-12
- \* Pratas Island BQ9P 3/6-15
- \* S. Cook Island ZK1EPY 3/7-16
- \* E. Malaysia 9M6AAC 3/8-12
- \* British Virgin Island VP2VI 3/10-11
- \* Tonga A35SC 3/10-15
- \* Nauru C21(XXX) 3/11-15
- \* Belize V31GI 3/11-16
- \* Vanuatu YJ0BQI 3/10-25
- \* Jersey MJ(1xxx) 14-20
- \* Western Samoa 5W1(XXX) 3/15-19
- \* Bhutan A52CO 3/15-21
- \* Western Kiribati T30(XXX) 3/15-22
- \* Guantanamo Bay KG4(XXX) 3/16-25
- \* Niue ZK2GEO 3/18-4/6
- \* Namibia V5(XXX) 3/19-27
- \* Ascension Island ZD8(XXX) 3/20-28
- \* Western Samoa 5W0BQ 3/26-4/5
- \* Juan Fernandez PJ6(XX) 3/28-4/2
- \* Sint Maarten PJ6(XX) 3/28-4/2
- \* Grenada J3(XX) 3/30-4/11

Man, someone must have be offering cheap seats to DXer's. Nonetheless, there you have it. There will be excellent DX offered up for April also. Stay tuned, polish your radials, and check your supply of antenna wax. May I remind you that "May is Antenna Wax Month!"

Thanks to George K5VUU, Madison W5MJ, Jim KJ5X, Larry KN5Z, Norm K5OS, Mike K7LEX, Mike KM5LA, Mike K5UO, Bruce N1LN, Paul W5PF, Steve N5EN, John W5PDW, Walter KK5LO, Gerald W5BA, and Dick W5VHN for their input. If you have DX info for the column, e-mail to wa5mlt@arrl.net.

73 and gd DX to all ...  
de H. O. WA5MLT

# ARRL Recognizes NARS in Club 2000 Program

Last year, to reward the achievements of ARRL affiliated clubs, the ARRL Volunteer Resources Committee established the Club 2000 Achievement Awards. The incentives program was aimed at recognizing clubs that are growing, thriving, and developing positive community relations through such activities as emergency & public service participation; public relations & recruitment; building ARRL membership; volunteer examinations; educational & instructional innovation, and Field Organization volunteerism. First place winners received a \$1000 check that could be used to purchase equipment for the club, improve the club's station, or towards purchase of ARRL publications or supplies.

NARS elected to compete in this program. While we did not take first place in our category, we did receive Honorable Mention by the ARRL and will be listed on the ARRL Web in the near future. Out of forty-seven entries, NARS placed 14th. Not too shabby for a national competition! If the program is repeated for the year 2001, you can bet your last IRC that NARS will be working on bettering last years' standings.

*Joe Sokolowski, KD5KR*

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## *VE Session Results – February*

At the NARS February 24, 2001 test session we had 4 candidates. This resulted in two new Technician class amateurs and one upgrade to Extra. The VE's were Peter Wang KF5ND, H O Townsend WA5MLT, Kirby Van Horn W7SV, Bob Walworth N5ET, Jim Kirk KJ5X, and prospective VE Norm Covey K5OS. Thanks to all for their help.

*Walter Hock KK5LO, VE Coordinator*



**George DiLetto, KDORW**  
President

Exit 68 I-45 North  
181 Cypresswood Drive  
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800-471-7373  
281-355-7373  
Fax 281-355-8007

# Welcome, Congratulations and Condolences

Welcome new members Jim Kelly KD5KHT and Ransom Siler AD5BW  
Condolences to Paul Frantz W5PF, whose mother passed away February 7.  
Our deepest sympathy to the family of Dick Ber KB5BBU, who became a silent key January 4.

## NARS Resource List

### General Help:

Bill Stietenroth K5ZTY  
281-893-3901, k5zty@juno.com  
Allen Majeski WA5REJ  
281-353-8652, wa5rej.tx@netzero.net  
Bill Denton W5SB – Antennas  
281-469-8331, bdenton@tenet.com  
O J Quarles K1OJ – HF  
281-955-1555, k1oj@ditdit.com  
Larry McCain KN5Z  
281-469-6709, kn5z@arrl.net  
Madison Jones W5MJ  
281-350-4330, w5mj@houston.rr.com  
Bill Rister W5CYP – ATV  
713-694-6074, brister@hal-pc.org

### Satellite:

Deral Kent K5WNO – RS 12/13  
281-548-7476, k5wno@juno.com  
Dick Rooney W5VHN  
281-288-8424, dickrooney@usa.net

### Electrical Design, Troubleshooting:

George M. Carlson KC5RCC  
281-376-8307, geotek@wt.net

### Packet:

Don Bedell KA3BKU  
281-370-6576, DonKA3bku@aol.com

### VHF/UHF:

Brian Derx N5BA  
281-894-5942, n5ba@arrl.net

### Computer Operations:

Bob Argo KC5JZO  
281-288-7430, rargo@houston.rr.com

### Computer Programming:

Keith Dutson WD5DXL  
281-351-7683, wd5dxl@arrl.net

### Interference (Basic Advice):

Harry Gage AC5XD  
281-370-7488, hjgage@aol.com  
Mark Tyler K5GQ  
281-587-0256, k5gq@juno.com

### Card Checking Awards Managers:

Bob Walworth N5ET – DXCC  
281-363-0209  
walworth@worldnet.att.net  
Brian Derx N5BA – WAS, VUCC  
281-894-5942 n5ba@arrl.net  
H O Townsend WA5MLT – CQ WAZ  
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Brian Derx N5BA – WAS, VUCC  
281-894-5942, n5ba@arrl.net

### NARS Public Information Officer:

George Levandoski KD5AYF  
713-895-0700, kd5ayf@arrl.net

## NARS Information

### PRESIDENT & BOARD CHAIRMAN

Paul Frantz W5PF  
281-351-8930, kf5sb@arrl.net

### VICE PRESIDENT

George Levandoski, KD5AYF  
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### SECRETARY

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281-351-7683, wd5dxl@arrl.net

### TREASURER

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### DIRECTORS

Steve Niles, N5EN  
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281-955-1555, k1oj@ditdit.com  
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281-350-6633, kk5lo@arrl.net

### ACTIVITIES CHAIRMAN

George Levandoski, KD5AYF  
713-895-0700, kd5ayf@arrl.net

### ADMINISTRATIVE AND GENERAL INFORMATION

Joe Sokolowski, KD5KR  
281-353-2196, kd5kr@arrl.net

*Send address, phone, email and other  
changes to:*

NARS  
PO Box 90387  
Houston, TX 77090-0387

*For general information call one of the Club  
Officers or Board Members.*

### NETS

75 M Ragchew: Mon 8:00 PM, 3861KHz  
Coordinator: Jim Kirk KJ5X  
281-376-0718, jrkirk@wt.net  
2M Information: Wed. 8:00 PM, 146.66MHz  
Coordinator: O.J. Quarles, K1OJ  
281-955-1555, k1oj@ditdit.com

### WEB SITE

URL: <http://www.w5nc.org>  
Webmaster: H.O. Townsend WA5MLT  
281-376-7416, wa5mlt@arrl.net

### NARS REFLECTOR

NARS@qth.net  
Coordinator: O.J. Quarles, K1OJ  
281-955-1555, k1oj@ditdit.com

### REPEATERS

2M: 146.060 / 146.660 (KA5AKG)  
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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