



SWOT BULLETIN

THE OFFICIAL NEWSLETTER OF THE
SIDEWINDERS-ON-TWO RADIO CLUB

PROMOTING SSB, CW & DIGITAL OPERATIONS ON
144Mhz AND UP

VISIT US ON THE WORLD WIDE WEB AT:

The SWOT Homepage: www.swotrc.net
<http://groups.yahoo.com/group/sidewindersontwo>

Bulletin #305

March / April 2005

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S.W.O.T. GENERAL INFORMATION

- Send renewals and new applications for membership to Howard Hallman WD5DJT (See address above). Please make all checks payable to SIDEWINDERS ON TWO. Include your SWOT # for your renewals.
- Send your SWOT "Members Worked" from your log to, SWOT Awards manager, Wade Massey, 1016 Weiss Ave, Princeton TX., 75407 \$1.00 fee for certificate and your certificate number would be appreciated, also SASE.
- E-Mail all articles and reports to the Editors' email address listed above or you can mail them to Jim McMasters KM5PO, 2805 Shady Lane South, Arlington, Texas 76601.
- **MERCHANDISE:**
Decals and listings available for \$1.00 each for shipping and handling from the Secretary/Treasurer.
SWOT Patches are available at a price of \$4.00 Each + \$.50 for mailing
Badges are available from "The Sign Man", Rick Pourciau NV5A, <http://www.thesignman.com/menu.html>

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Chairman's Corner

By Arthur Jackson KA5DWI

Some Good Members Have Come To the Rescue



This time two months ago I had a few apprehensions of how certain things were going to work out. As I mentioned, my schedule had become extremely tight. I felt that it was next to impossible for me to be

Chairman, as well as produce the Bulletin. I needed some assistance to take the load off my back. I have also made reference that I thought it was time to find my replacement.

After a couple of months, no has come forward to say, "I want your job". But, at least a couple of have stepped in to take a lot of the pressure off of me on the day to day. It is much appreciated.

As for the Bulletin, Jim McMasters, KM5PO of Arlington Texas, has taken over the reigns of the SWOT Bulletin. Many of you who are involved in EME and WSJT know Jim well. Please give him all of your support as well as your contributions for the Bulletin. I am sure that he will interject a new approach to our Newsletter as I am sure it will remain entertaining and enlightening.

Happily one issue was resolved, when suddenly another one appeared. Don Simonton K5LOW, longtime NCS for the Saturday morning East Texas Pineywoods SWOT Net and SWOT's Net Manager has found an opportunity to further enjoy his retirement. He asked that he be immediately replaced in both capacities. Once again, we have had two of our dedicated members come to our rescue. Jim, KM5PO immediately volunteered to take over the Saturday morning Net and John Petersen, KM5ES did the same in regards to the Net Manager duties.

I ask you all to thank both Jim and John for stepping in and saving the day. A major crisis within our club has been averted by their extra contributions. I ask you all to give your support and assistance to help maintain this group.

Nets are our central strength. Be sure to check in to your area Net. If one does not exist, we will give all the help we can in order to start one. We are thrilled to have a new SWOT Net in Northeast Oklahoma. Jimmy Johnson, KD5ZVE is off to an excellent start. Also, we are attempting to get a new Net running in the Maryland/D.C. area and we hope in due time that it gets established (see the Website). As for the East Texas Pineywoods Net, we wish that it remains central to that area. Jim, KM5PO will give

his best effort to maintain the Net, but we hope that someone in East Texas or Louisiana takes it over in due time. The Saturday morning SWOT Net has a long history. Besides Don Simonton K5LOW, Lloyd Pratt K5AFZ(SK), Gerald Handley W5DBY, Frank Douglass N5CTE, and Joe Fobbs N5HOJ(SK), plus a few I don't remember, were former Net Controls. I think many of us would be disappointed to lose this Net. I hope that someone steps forward soon. Meanwhile, thanks again to Jim for keeping it running.

For all the SWOT Net Controls, please do your best to keep John KM5ES to update with the statuses and information of your Nets. We have also discussed issuing awards to SWOT members that regularly make an effort to check into ours nets. Without precise record keeping, the effort to reward our members would be impossible. More information will be forthcoming on these particular ideas some time in the future.

Last but not least, it is probably time to think about nominating, then voting on officers and board members for SWOT. I have always wished for SWOT to be what could be called eclectic. In other words, it is based on a premise that we like it all. We promote all aspects of 2 Meter SSB and anything else that might bring someone into it. Unfortunately, we have a few board members and officers that have been unable to promote SWOT. I believe that it is time for new faces, along with a few old ones that enjoy this aspect of the hobby. Be thinking of whom out there would contribute to SWOT in an officer or in a board member capacity. If your wish to serve in any capacity, volunteer. Let's all look forward towards some positive changes in the future.

Enjoy the bulletin and thank you all for your support.

Art Jackson KA5DWI
SWOT #2497 and Chairman

[Ham-com 2005](#)

Howard Hallman, SWOT Secretary has secured a table at the upcoming Ham-com conference in Arlington, Texas. The table is located in row D table 11 in the center of the room

From the Editor

Please send your DX reports directly to: km5po@arrl.net
ALL reports will be published.

January contest

By Lee Kemp, N5TIF

Hello testers

The January contest you could say was brutal- at least. I had checked out all my equipment the night before the contest and found it ready to go. Just a few days before this I had put a 100 watt brick in line for 432. Friday night I heard many ops on the bands checking out their gear and doing some fine tuning.

It was early to bed Friday night as I planned to work the contest hard and heavy.

When I was up and ready I went to the shack to check out band conditions. It seemed to be all right as I could hear all the local beacons. I had a few things to do that morning so I was away from the shack for a few hours.

WOW what a difference a few hours can make. The noise here in all directions was between s7 and s9. It was so bad that I could not hear the local beacons. For the first hour I could only manage two contacts. By checking the internet and hearing KM5PO comment on EME conditions, I found out that we had been hit with a Coronal Mass Ejection from the sun just before the contest. What bad timing. Murphy was surely doing his best to make things tuff.

So for the next few hours I was in and out trying to wait it out. Approximately 5 hours into the contest I was off and running. At this time I found the band conditions to be normal for January.

Would like to say a thank you to the W5LCC contest group for always being there in west TX, DM93. They pull out all the stops to make a contact with you.

Another was W5LL/R. I was able to work them in three grids, EM21 EM02 EM03. These guys are new to roving, but they are making strides on improving their station each time. This was their second time out I believe.

I tried WSJT for the first time in a contest. I worked only two stations (meteor scatter). I worked K0IOW DM78 on 6m then worked W9RVD in EM57 on 2m.

That about does it. No Es or tropo here but had a great time of it anyway. Hope to see more of you in the June contest.

Internet Links:

A few links that are of interest to the Weak Signal enthusiast:

WSJT Downloads (Now at version 4.9.2)

<http://pulsar.princeton.edu/~joe/K1JT>

<http://pulsar.princeton.edu/~joe/K1JT/Download.htm>

[Amateur Radio Propagation Studies](#)

Note: the following is a reprint from a previous SWOT Bulletin (July 2003). The E-skip season is coming up! -ed

2-Meter Es Alert System

By Phil NOPB:

You can subscribe/unsubscribe at <http://gooddx.xs4all.nl/cgi-bin/gooddxvisitors>. The list's name is: "eskip-na". (You can also subscribe to some of the European services if you're interesting in seeing what happens over there). When you go to <http://www.gooddx.net/eskipNA.htm> you can get a listing of the loggings that were filtered by the DX Robot. Each of them would have caused the DXRobot to generate an Es alert.

If you want to keep receiving 'early warning alerts', then subscribe to "eskip-na-early". Please remember that the alerting system works ONLY as YOU report Es observations to the <http://dxworld.com/144prop.html> Propagation Page!

Please report using, Es, Es, es, e' s, eskip, Eskip, or e-skip in the note, along with the grid of each end of the propagation (if known). Also include your call.

DX reports Jan - Feb 2005:

Aurora:

No reports, please send in your reports.

Meteors:

See W5UWB report as well as the DXpedition report from the DXpedition team of KM5ES and N5OSK.

Sporadic E/FAI:

No reports, please send in your reports.

Tropo:

Reported Jan 8-9 from Texas to S.C. Please send in your reports of all openings.

EME:

See W5UWB report. Please send in your reports.

From the log of W5UWB John, EL17ax (144Mhz-1500w, 1-17el at 50' AGL)

| Date | Call | Grid | Prop | Mode | Note |
|--------|--------|------|------|---------|---------------------------|
| 25 Jan | VE1RG | FN65 | EME | JT65B | he has 1-M218XXX & 300w! |
| | W0IOH | DM78 | MS | FSK441A | 846 mi |
| | KE7NR | DM54 | MS | FSK441A | 837 mi |
| 26 Jan | K3MF | FM19 | EME | JT65B | |
| | K7MAC | DN13 | EME | JT65B | |
| 27 Jan | K1JT | FN20 | EME | JT65B | Joe wrote the program |
| 28 Jan | N5SIX | EM42 | MS | FSK441A | |
| | K7MAC | DN13 | EME | JT65B | |
| 29 Jan | F9HS | JN23 | EME | JT65B | |
| | N0PB | EM39 | MS | FSK441A | 868 mi |
| | KC0HLN | EN32 | MS | FSK441A | 1048 mi |
| 06 Feb | N3FZ | EN90 | MS | FSK441A | 1328 mi, QSO #17 w/N3FZ |
| 08 Feb | S52LM | JN65 | EME | JT65B | |
| | K4AL | EM66 | MS | FSK441A | 873 mi |
| | K4AL | EM66 | MS | FSK441A | 873 mi |
| 09 Feb | G4FUF | JO01 | EME | JT65B | he has 400w and 1-2M18XXX |
| 10 Feb | RN6BN | KN95 | EME | JT65B | |
| | RN6BN | KN95 | EME | SSB | 1st SSB EME for me! |

From the log of KM5PO, Jim, EM12ko

| Date | Calls | Grids | Prop | Mode | Note |
|---------|-------|-------|-----------|----------|----------------------------|
| Jan '05 | 13 | 12 | EME | JT65B/CW | 13 init, 2 new dxcc |
| | 3 | 3 | MS | FSK441A | no new grids |
| | 32 | 21 | T-duct | SSB/CW | 4 new grids, opening 1/8-9 |
| | 38 | 19 | T-scatter | SSB/CW | January VHF contest |
| Feb '05 | 9 | 9 | EME | JT65B/CW | 6 init, 1 new dxcc |

Event and Contest Calendar:

Mar 30 01-05 UTC KAOS Six Meter Sprint

Apr 04 1900-2300 local ETDXA 144Mhz Sprint

Apr 12 1900-2300 local ETDXA 222Mhz Sprint

Apr 20 1900-2300 local ETDXA 432Mhz Sprint

Apr 29-30 SEVHF Society conference, Charlotte, NC

May 07 06-13 local ETDXA Microwave Sprint

May 14-15 2300-0300 ETDXA 50Mhz Sprint

June 03-05 HamCom Arlington, TX

June 11-13 ARRL VHF QSO Party

June 25-26 ARRL Field Day

July 28-31 CSVHF conference, Colorado Springs, CO

Aug 06-07 ARRL UHF Contest

Aug 20-21 ARRL 10 GHz and Up Contest

Sept 10-12 ARRL September VHF QSO Party

Sept 17-18 ARRL 10 GHz and Up Contest

What to expect March - April

Meteors:

Lyrids Apr 22, 15zHR 2 days

Eta Aquariads May 4, 15 zHR, 3 days

Halleyids May 7, 25 zHR 5 days

May Arietids May 17, 15 zHR 3 days

[Full calendar](#)

Aurora:

Watch: www.spaceweather.com

Tropo:

Watch for:

1. Upper Air High Pressure systems building from Northern Mexico, the Gulf of Mexico or Southern Florida.

2. Pacific Fronts passing across the U.S. with a strong High Pressure ridge wedged between them.

**The first one produces excellent Tropo for the Southeast corner of the US. The second one produces strong North to South paths from the Central Plains to the Midwest.*

Always keep an eye on the [Hepburn Forecast](#).

E-layer propagation:

E season begins the end of April and continues until August.

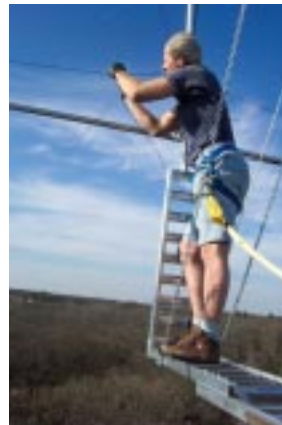
Sign-up for E's email notification- see [Phil/N0PB's article](#) on how to do this.

Moon:

WSJT JT65 contacts are possible any time of the month however, see the moon-graphs on the last page of the bulletin, and look for minimum downgrade days when CW contacts may be made.

What is this guy doing?

Here is Phil DeFlache, KC5SCH, hanging out at the 65 foot level on the "catwalk", a ladder-like unit temporarily attached to the side of the tower, supported by chain. Dangling at the end of a safety lanyard, Phil makes adjustments to one of the four 2M18XXX yagis on the H-Frame at KM5PO. Full elevation allows 360° EL-



rotation of the array to bring any yagi within reach from the catwalk. The picture from 'above' is looking down at the H-Frame elevation main gear and horizontal boom from above the top of the 70' AN Wireless self supporting tower.



WSJTGroup Winter contest

2004 Winter contest WSJT scores are now available on-line. [Click here.](#)

WSJTGROUP :

<http://www.qsl.net/wa5ufh/WSJTGROUP/WSJTGROUP.htm>

Ping Jockey: <http://www.pingjockey.net/cgi-bin/pingtalk>
Activity Period Manual :

<http://www.qsl.net/wa5ufh/WSJTGROUP/randomhour.htm>

[W8WN HSMS website](#)

Comments from the contest managers...

What a difference a year makes. The 2004 Winter North American Meteor Scatter Rally was by far the most geographically diverse to date. The number of active grids for 2004 far eclipsed any of the previous events, spring or winter. In addition, overall participation is up. This may be due in part to the announcements in QST. If you are actively hunting new grids squares, chasing new states, or just hoping to add a callsign to your log, this increased activity is good news for us all.

While overall participation is up, one area has not grown; total logs submitted. We the contest managers would love the opportunity to “complain” about the abundance of logs and awards we must process. It will be an accomplishment when all award categories for all time zones are claimed.

As you can see from the results, the contest managers continue to offer awards by time zone. It is still the goal of the sponsors of these events to recognize activity by region. Activity was up considerably in the west. However, many awards went unclaimed simply because no one submitted a log.

The Rally was held 0000 Dec 11 to 0700 Dec 15, 2004 to capitalize on the Geminids meteor shower. Comments regarding the Geminids this year were mixed with the overall consensus that shower was not as intense as years past. Fortunately the increased activity helped keep the event interesting and scores elevated.

On a final note, Tip (WA5UFH) has elected to take a sabbatical from organizing the contest announcements and data collection for the next year. Those of us that have enjoyed this contest venue wish to extend a hearty thanks to Tip for his leadership and initiative in organizing these events. Tip has handed the baton to Mike (WB2FKO) and we look forward to Mike’s participation.

Russ K2TXB ; Joe K1JT ; John N6ENU ; Tip WA5UFH

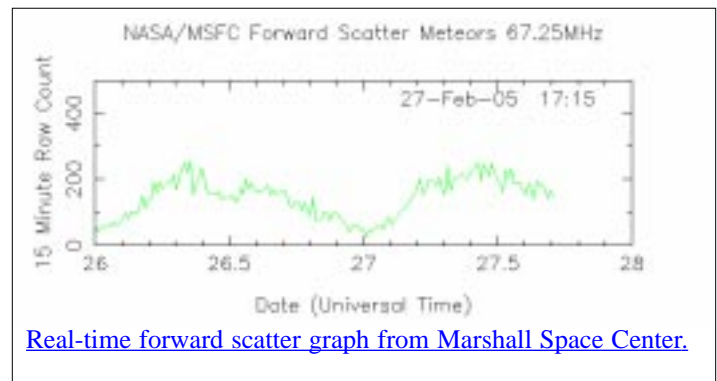
Getting started with WSJT!

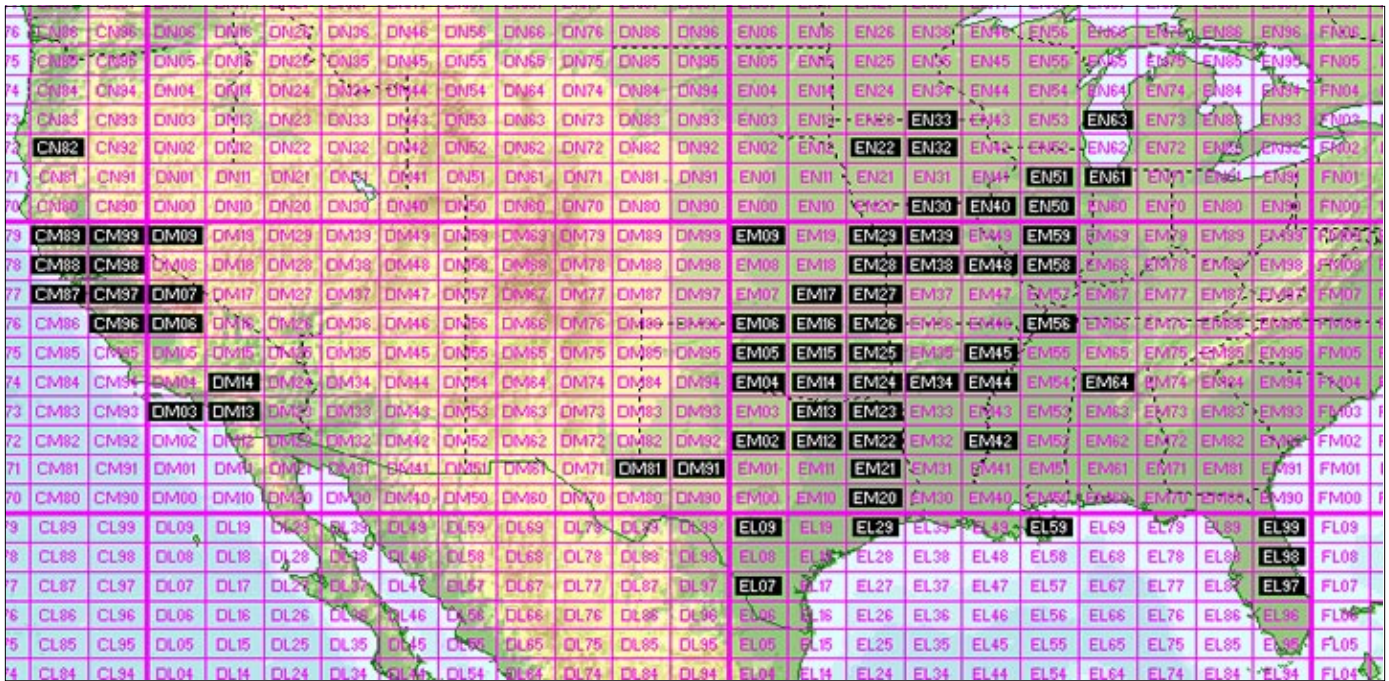
WA5UFH email : wa5ufh@ykc.com

WA5UFH webpage : <http://www.qsl.net/wa5ufh/>

102 Grids Active During the WSJTGroup Winter Rally

| | | | | | |
|------|------|------|------|------|------|
| CM97 | DM04 | DN13 | EM12 | EN30 | FM02 |
| CM98 | DM24 | DN26 | EM13 | EN32 | FM04 |
| CN82 | DM33 | DN27 | EM14 | EN34 | FM15 |
| CN85 | DM42 | DN30 | EM15 | EN36 | FM16 |
| CN88 | DM43 | DN31 | EM18 | EN37 | FM19 |
| CN91 | DM53 | DN41 | EM23 | EN41 | FM29 |
| CO70 | DM54 | DN53 | EM25 | EN50 | |
| CO88 | DM65 | DN62 | EM29 | EN53 | |
| | DM78 | | EM32 | EN58 | FN03 |
| DL81 | DM79 | | EM37 | EN61 | FN04 |
| | | DO33 | EM39 | EN64 | FN12 |
| | | DO61 | EM40 | EN66 | FN20 |
| | | | EM41 | EN70 | FN30 |
| | | EL17 | EM42 | EN71 | FN31 |
| | | EL19 | EM43 | EN73 | FN32 |
| | | EL39 | EM44 | EN80 | FN41 |
| | | EL96 | EM45 | EN81 | FN42 |
| | | | EM55 | EN82 | FN43 |
| | | | EM57 | EN84 | FN65 |
| | | | EM60 | EN90 | |
| | | | EM64 | EN91 | |
| | | | EM66 | EN92 | |
| | | | EM69 | | |
| | | | EM73 | | |
| | | | EM74 | | |
| | | | EM75 | | |
| | | | EM78 | | |
| | | | EM84 | | |
| | | | EM94 | | |
| | | | EM96 | | |





National SWOT net coverage for February 2005. Net control stations should forward net details including grids to KM5ES, John Peterson. [Full size server version of this map.](#)

SWOT Net Reports

Here are the net reports for Feb. 2005

Northern California (Sunday)

| Date | Check-ins/Grids |
|-------|--------------------|
| 02/06 | no net/sick in bed |
| 02/13 | 85 - 12 |
| 02/20 | 84 - 12 |
| 02/27 | not yet called |

Northeast Missouri (Monday 8pm)

| Date | Check-ins/Grids/States |
|-------|------------------------|
| 02/07 | 31 - 13 - 6 |
| 02/14 | 27 - 16 - 8 |
| 02/21 | 36 - 19 - 10 |
| 02/28 | not yet called |

North Texas (Wednesday 9pm)

| Date | Check-ins/Grids/SWOT mbrs |
|-------|---------------------------|
| 02/02 | no net |
| 02/09 | 25 - 14 - 16 |
| 02/16 | 37 - 16 - 17 |
| 02/23 | 29 - 14 - 15 |

Southwest Oklahoma (Thursday 7:30pm)

| Date | Check-ins/Grids/States |
|-------|------------------------|
| 02/10 | 06 - 3 - 2 |
| 02/17 | 06 - 3 - 2 |
| 02/24 | 07 - 4 - 2 |

Northeast Oklahoma (Tuesday 9pm)

| Date | Check-ins/Grids/States/SWOT mbrs |
|-------|----------------------------------|
| 02/01 | 13 - 8 - 3 - 8 |
| 02/08 | 14 - 8 - 3 - 10 |
| 02/15 | 19 - 9 - 4 - 8 |
| 02/22 | 16 - 10 - 3 - 10 |

Eastern Oklahoma (Thursday 9pm)

| Date | Check-ins/Grids |
|-------|-----------------|
| 02/03 | 22 - 9 |
| 02/10 | 21 - 9 |
| 02/17 | 26 - 11 |
| 02/24 | 22 - 12 |

East Texas Pineywood (Saturday 7am)

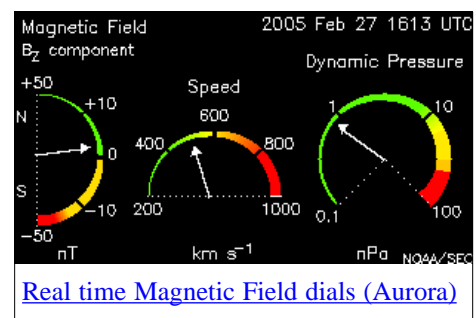
| Date | Check-ins/Grids |
|-------|-----------------|
| 02/05 | 21 - 10 |
| 02/12 | 25 - 13 |
| 02/19 | 20 - 13 |
| 02/26 | 28 - 16 |

Daytona Beach Florida (Wednesday 8pm)

| Date | Check-ins/Grids |
|-------|-----------------|
| 02/02 | 15 - 3 |
| 02/09 | 12 - 3 |
| 02/16 | 13 - 3 |
| 02/23 | 09 - 2 |



Notable Achievement- Using **100 watts** and this balcony mounted **4 element yagi** on February 11, 2005, 144.115 Mhz. Matej, OK1TEH in Prague, Czech Republic made EME contact with superstation KB8RQ, Gary, in Brookville, Ohio. [...read more...](#)



[Real time Magnetic Field dials \(Aurora\)](#)

1st ever all-digital DXpedition from EM24!

By John Petersen, KM5ES

January 15th 2005, Jerry Casey N5OSK SWOT #2959 and John Petersen KM5ES SWOT #3331 left Eufaula, Oklahoma at 5am, for the Winding Stair Mountain Range in Southeastern Oklahoma grid EM24 on the highest



we worked Bob within 10 minutes. Just after we worked Bob we worked Dave N8OC in EN83 in Michigan at 1353. This was Saturday morning and the weekly WSJT Group 2 meter random hour was starting at 1400z. We turned the antenna toward the NE after random hour started and worked W9RVG in EM57 his signal was direct constant digital which didn't take very long. We completed at 1408z. Then we worked N3FZ in EN90 and WA3LTB in EN92 both in Pennsylvania. Turned the beam toward 60 degrees and worked AK3E Rick in FM19 Maryland and then worked Joe K1JT in FN20. We heard several other stations including AF40 in EM55, WE9Y in EN82, W4SHG in FM18.

Jerry's mobile setup consists of a Kenwood TR-751a, ARR SP144VDG outboard 24 db gain preamp, Mirage B3016 160 watt amplifier, Dell Inspirion 2500 laptop and a Cushcraft 13B2 at 20 ft.

We had a blast working meteor scatter from the mountains of SE Oklahoma and plan possibly working the up and coming VHF contest from other grids on both phone and digital.



point on the Talimena Scenic Drive. Upon arrival around 6:45 am we worked Jim KM5PO off of the mobile loop antenna before the big antenna was setup. Temperatures were in the mid 20's with windchills in the teens. We got out and assembled the 13B2 and placed it on the special built mount on Jerry's truck. Wow was it cold and dark!. After hooking up the computer, radio, preamp, and amplifier we were ready to go. At 2264 ft measured with GPS we had the perfect location on the Panorama Vista, or viewing turnoff.

This was to be the first known all digital DXpedition from EM24 mobile. We had only one sked to run upon arrival and that was with Bob "Eric" Dodson WB5APD in EM84 in Georgia. As the sun was just coming up over the mountains

SIDEWINDERS ON TWO ENROLLMENT OR RENEWAL FORM

NOTE: Though your membership and number are good for life you must renew annually to receive the newsletter and stay on the active list..

Enclosed find check/MO. to: New member—\$12.00 _____ Renewal—\$12.00 _____

Howard Hallman WD5DJT, Sec.Treas.

3230 Springfield Lancaster, TX 75134-1214

New Member. I have worked the following members:

Call: _____ SWOT No. _____ Call: _____ SWOT No. _____

Renewing: My SWOT No. is _____

Name: _____ Call _____ Grid Square _____

Street address _____

City _____ State _____ Zip Code _____

Telephone Nos. _____ E-mail _____

Receive Newsletter By Email: YES _____ NO _____

SWOT and Selected 2-Meter Nets

| Day | Local Time | Area | Net | Frequency | Net Control Station |
|------------|----------------|-------------------------------|-----------------------------------|----------------|---------------------------------------|
| SUN | 8:00 pm | Vacaville, CA | North California | 144.250 | W6OMF Larry |
| SUN | 8:30 am | Tucson, AZ | Arizona | 144.250 | N7SQN Al |
| SUN | 8:30 pm | Zebulon, NC | | 144.220 | N1GMV |
| SUN | 9:30 pm | Holland, MI | Michigan SWAM | 144.155 | K8NFT |
| MON | 7:30 pm | Albuquerque, NM | New Mexico | 144.200 | N5XZM Bobby |
| MON | 8:00 pm | Colorado | Rocky Mt. VHF + | 144.220 | N0VSB W6OAL |
| MON | 8:00 pm | Northeast Missouri | Northeast Missouri SWOT | 144.250 | N0PB Phil |
| MON | 8:00 pm | Sandusky | East Michigan VHF | 144.250 | W8IDT Bart |
| MON | 9:00 pm | Tidewater, VA | | 144.230 | |
| TUE | 8:00 pm | California North Citys | NORCAL | 144.250 | KN6NG Tony |
| TUE | 8:00 pm | Greensboro, NC | | 144.225 | K4HC |
| TUE | 9:00 pm | Northeast Oklahoma | Northeast Oklahoma SWOT | 144.250 | KD5ZVE Jimmy |
| WED | 8:00 pm | Central Florida | Daytona Beach Florida SWOT | 144.250 | KU4VQ George KI4FIA George |
| WED | 9:00 pm | North Texas | North Texas SWOT | 144.250 | W5FKN Bob |
| THU | 8:00 pm | California South Citys | NORCAL | 144.250 | KA6CHJ Paul |
| THU | 7:30 pm | Lawton/Duncan, OK | Southwest Oklahoma SWOT | 144.250 | NH6CJ Mike |
| THU | 9:00 pm | Eastern Oklanhoma | Eastern Oklahoma SWOT | 144.250 | KM5ES John |
| THU | 9:00 pm | Tennessee | Upper Cumberland | 144.225 | N2BR Bobby |
| SAT | 7:00 am | East Texas | Piney Woods SWOT | 144.250 | KM5PO Jim |

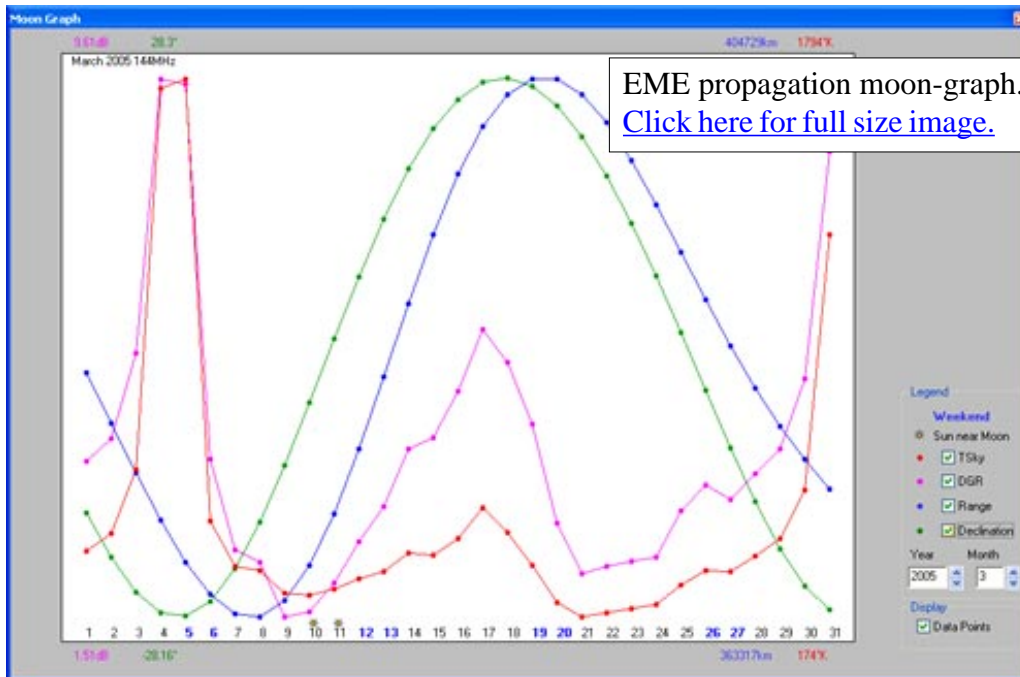
New SWOT Members:

| Swot # | Call | Name | Location | Grid |
|--------|--------|---------|-------------------|------|
| 3431 | KD7EJI | Paul | Everett, WA | CN87 |
| 3432 | KD50MJ | Scott | Lawton, OK | EM04 |
| 3433 | KE5Q | Jim | Plano, TX | EM13 |
| 3434 | N5ITO | David | Grand Prarie, TX | EM12 |
| 3435 | KB2TCQ | Eric | Oak Ridge, NJ | FN21 |
| 3436 | KM5PO | Jim | Arlington, TX | EM12 |
| 3437 | W5WRF | Wayne | Flower Mound, TX | EM12 |
| 3438 | WA5THZ | Charles | Dallas, TX | EM12 |
| 3439 | WM5L | Jim | Burleson, TX | EM12 |
| 3440 | NORQ | Dave | Melissa, TX | EM13 |
| 3441 | WB6AEA | Jon | Sacramento, CA | DM06 |
| 3442 | KF6RTC | Susan | Grass Valley, CA | CM87 |
| 3443 | WA9WBV | Dale | San Francisco, CA | CM87 |
| 3444 | W5WRL | Bill | Midland, TX | DM82 |
| 3445 | N6GEO | George | Brentwood, CA | CM97 |
| 3446 | W6SPT | Mark | Jamestown, CA | CM97 |
| 3451 | WA5TKU | Wes | Sanger, TX | EM13 |
| 3452 | KB9WQJ | Mike | O'Fallon, IL | EM58 |
| 3453 | KL7IZW | Steve | Princeton, TX | EM13 |
| 3454 | K5WPN | Wade | Duncan, OK | EM14 |
| 3455 | W5AK | Dick | Houston, TX | EL29 |
| 3456 | | David | Kirksville, MO | EN30 |
| 3457 | N5WBI | Stephen | Houston, TX | EL29 |
| 3458 | KD5ZVE | Jimmy | Claremore, OK | EM26 |
| 3459 | KU4VQ | George | South Daytona, FL | EM99 |

Recent SWOT renewals:

| Swot # | Call | Name | Location | Grid |
|--------|--------|--------|-------------------|------|
| 3427 | K3TD | Tad | McKinney, TX | EM13 |
| 2959 | N5OSK | Jerry | Checotah, OK | EM25 |
| 3357 | KF6VBJ | Jim | Rockville, MD | FM19 |
| 3459 | KU4VQ | George | South Daytona, FL | EL99 |
| 3107 | KB5SSP | Tom | Sherman, TX | EM13 |
| 3319 | N5TIF | Lee | Joshua, TX | EM12 |
| 3421 | WA7MLD | Marvin | Vancouver, WA | CN85 |
| 880 | K6HLH | Larry | Lancaster, CA | DM14 |
| 1984 | WA6OIW | Robert | Sunnyvale, CA | CM97 |
| 3436 | KM5PO | Jim | Arlington, TX | EM12 |

SWOT Nets in bold



[Moon-graph](#) used by special permission to the Side Winders on Two Radio Club from David Anderson, GM4JJJ.

New moon = sun symbol.
 Red data = Sky temperature.
 Pink data = Downgrade.
 Blue data = Range
 Green data = Declination

Best March days will be
 March 6 - 8
 March 19 - 24