



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 # 303

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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' Web addresses listed above or you can mail them to Art Jackson KA5DWI, 6516 Simmons Rd., North Richland Hills, Texas 76180-4243.
- **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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The Chairman's Corner

By Art Jackson, KA5DWI

The Quarterly, End of Year, State of the Union Rant.

Sorry to be a couple of weeks late. I continue to have quite a few personal interruptions here, along with a demanding educational schedule. So now I am "loaded to the gill" with things I would like to say. I thought about waiting till next year, but I felt it was best to get it off my chest now.

The SWOT Homepage:

I have been spending a significant amount of time responding to inquiries concerning SWOT.

Thanks to the advice of David N5ITO, many Hams are now finding the SWOT Homepage when searching on the Internet. For the past several weeks, I have received a number of Emails linked from the site's front page. Besides a few SPAM messages, I have received inquiries about membership, individual members, Awards (Dead and Alive) and the Nets.

John KM5ES, on his own initiative, in addition to my prodding, keeps making improvements to the site. We want this site to be the information center for 2 Meter Sideband operations. Your comments and suggestions are always appreciated.

Be sure to register for the 2MeterSSB List. Pass the homepage address to your friends, Bookmark it and to check it out as often as you can. Remember that it has its own funding and do not be surprised if we ask for contributions.

Sidewindersontwo Yahoo Group Site:

We also continue to get more Yahoo Group members. Unfortunately, it is a bit of a revolving door. We tend to lose about as many as join. Slowly its membership has increased.

The real purpose of the Yahoo Group site has been debated since the Homepage was established. Despite the fact that it tends to draw attention from what we consider most important, the Homepage, it still is a good portal for recovering old members and finding a new one now and then.

A reminder, make sure you visit the Files, Photos and Link sections on the Yahoo Page. You Newbees will get information about past VHF Meter openings; links to other VHF related sites and pictures of some of the members. We do have restrictions in loading files, but all you need to do is ask to do so. We have experienced a few non-Ham postings that were less than appropriate and want to avoid that in the future.

I also ask that you set your Group membership with at least a "Daily Digest". "No Emails" result in you all getting no information.

SWOT in Cyberspace:

We will continue to do our best to keep the sites up and running. All you need to do is participate.

I still remain disappointed in the lack of interest in the number of postings on both sites. It appears I am the only one posting on the Homepage's 2MeterSSB List and at times, the only one on Yahoo.

Helping Others Out:

Share, share, share!!! (I am repeating myself again!)

I constantly see a large number of postings on the other VHF/UHF/Weak Signal List sites from a number of SWOT members and *especially officers* reporting an opening, results, technical inquiries and answers. And not a blurb posted on the Homepage list or the Yahoo Group page.

I also encourage all of you to ask questions when you have them. No question is dumb. To those that like to answer them, *please express simplicity not complexity* on an issue.

If I hear again, "*The minimum set up for a typical Weak Signal station is a Kilowatt, driving 2 or better yet 4 M²18XXX at no less than 150 feet fed with 1.5 inch Andrews hardline and a preamp on the tower.*" I am going to PUKE!!!

Not everyone can do that. Less than one percent can. I wish I could, but I never will. That is the way it is with most of us. Please be practical and give them options. We need to increase our numbers. Expressing an attitude, "Life is too short for QRP" is driving the first nail in the coffin for expansion.

I also request that if you run across someone that is interested in Weak Signal that you point them our way. Way too many "Big Gun" Contester attitudes and Egos are located on the other sites. Not that we have a couple here, but at least we are more "warm, fuzzy and friendly".

Still to the Big Guns - We need you!!:

That leaves me to the next point. If you are so inclined to put together a Top-Notch station, why not do a Net or offer your services as a backup for our existing Net Controls?

I still find that nothing better attracts new VHF operators and potential SWOT members than a great wide-coverage Net. We are blessed to have great NCS's with outstanding stations. But sadly, we need backups for all them. In addition, we could use more Nets.

Finally, if you have a Net that is not aligned with SWOT, what is wrong with making a SWOT Net? If you don't want it to be a SWOT Net, we still will help you promote it. Keep us informed.

Our hand is always out to anyone wanting to start a SWOT Net regardless of the capabilities of the Net Control. But, if you are so inclined to make a dent

into the national deficit with your station, contribute to a Net.

Awards and Contests – Another Touchy Subject:

For many of you out there, Weak Signal is DX'ing, Contesting, Paper Chasing and not much else. Those that excel, participate in and are active members of SWOT need some kind recognition for their efforts.

It has been tremendously disappointing and depressing the lack of any requests for new awards or endorsements to existing ones. The only inquiry I have had this year was for a sponsored County award for a **6-Meter** operation. Our last effort at a Contest involvement of some kind just failed to produce any real return for a hefty expense.

So what do we do? Never say die from me. I want to take a *stab at it one more time* before we just give up on the whole ordeal.

No doubt that most of the 2 Meter SSB enthusiasts come out of the woodwork for any competition. Most of the time you hear many enthusiasts and casual operators are during contests or band openings. Despite a lack of a "Big-Gun" station, I have seen some very impressive scores simply by effort.

I propose that we create a "2005 SWOT Contest Participation Award". I am open to suggestions for a title. Here is what I suggest:

1. Number of QSO's and a Grid multiplier in all 2-Meter Contests and Sprints for the year 2005.
2. The contests are the big 3 ARRL VHF Sweepstakes and QSO parties, the CQWW VHF and the Spring and Fall Sprints. (In the Education world we call the Sprints Extra-Credit)
3. Certificates (no plaques) will be issued to all paid members of SWOT, but all SWOT member scores turned in will be published regardless. The award is for a cumulative effort of all contests and sprints for 2005, no individual contest awards.
4. We may invent special endorsements if requested, but I would like to keep it keep it simple.
5. No check logs or extracting of ARRL data. It is strictly on an honor system and those participants who turn in a score. I think we all know who the egos, liars and fakers are already. This is just to say, "Hey look what I did" to promote 2 Meter SSB".

I am open to any ideas and suggestions. We might want to track this during the year on Yahoo and the Homepage.

The Organization, the Management and the Board:

We are pretty lucky in some respects. We have a limited paid and involved membership.

That results in really limited expenses. Most of our involved members donate their energy, time and money for nothing in return.

Yours truly gets many words of encouragement, but I also get a lot of grief (Example: WR5L's comments). I am a pragmatist (sensible solutions to things) and a realist. I believe in an open and frank approach.

When I became Editor and later Chairman, I had some extra time and no major financial concerns. I had just retired early (voluntarily) from a business that had taken a lot out of me. For nearly 10 years, I had been removed from a Ham activity that I thoroughly enjoyed. Involvement, of SWOT was a way for me to contribute back for so many years of enjoyment, accomplishments and assistance from my Elmers. I hope that you have been able to recognize my enthusiasm.

Now for the realist part..... For SWOT to grow again, it requires new members, participation and renewal by old members in coordination with an active involvement of its officers and Board. That is a large challenge and tough to accomplish.

I have concluded that to keep SWOT propped up and going forward, we need a healthy, eager and active full time administrator, pencil pusher, salesperson and traveler that has the energy and time to do this all. Sadly, it is now becoming more apparent that I *do not* have all of the above qualities.

I have decided that I wish to make my contribution to society by pursuing a new occupational field. My energies need to be diverted to that cause. For that reason, I cannot be a full-time administrator and traveler. I no longer have the time to chase down those that neglect to do the responsible things required in an organization. I have been very lucky to have some great people to work with, but I do not have the available time to gather up the resources necessary replace dead weight, non-performers and non-informers.

So what am I getting at? We need to find a new Chairman that has foresight, energy, experience, money and time to do this. We could use a Butt-Kicker. I know of a couple of Hams out there that could accomplish that, but they run other Ham clubs.

We need to do a general reorganization for 2005. It is time. I will avoid saying we need younger blood. To be honest, they are too busy with other things. What we need is someone who enjoys a leadership role, is looking for something to lead, and is brave and brash enough to make some needed changes. We need someone that makes the big events and can hobnob with the large Ham radio organizations and magazines to promote and inform.

I wish I could be that person, but I am sorry I cannot do that right now. So let us all start looking for my replacement next year and we will vote it.

If no one will step forward, it is time to look at some final alternatives to what happens to SWOT. It will be time for a number of difficult decisions.

The SWOT Bulletin:

Due to my limited time, here is my planned schedule for the future releases of the Bulletin:

- 1) First Week of January
- 2) Mid March
- 3) Late May
- 4) Early July
- 5) Late August/ Early September
- 6) Late October

This schedule is subject to change. If I do not receive any contributions of articles, I will find it necessary to make the Bulletin quarterly.

If someone else would like to do Bulletin, its release could be returned to monthly. You will note that it revolves around my availability.

Recap

Thanks you all for the contributions for the Bulletin. Please feel free to copy and Email this out to your friends in Weak Signal. We might find a potential new Chairman.

The Annual Vacaville CA End of Summer SWOT Bash **From Larry and Sue Hogue W6OMF & K6SUE**

The action started Friday with the arrival of our traveling Amateur crowd. Tony, WA6QMQ and Reba arrived with Larry, K6HLH and Linda shortly there after. Gordon WA6ZKY and Jo Anne, KA6TYG came next with Len, WA6KLLK and Ken, W6IZU following... Our later arrival was Bill, W0QNI and his bride Kay... Bob, K6HEW came to help set up and we all had a great dinner to put closure on the days activity....

The Saturday Morning crowd started with Tony making coffee at Sun Rise and a slow arrival of people starting about 6:30... The larger crowd begins about 7:30 and we were on a roll by eight... Coming and going continued thru out the morning. With a peak of just a bit over 100.

A large contingency of 10GHz group playing with their set ups... Feedline was about, VHF amps, HF amps, two meter rigs were all over the place.

Several donations made for a need not to raffle and thanks to Don, W6AAQ for his donation of a Screwdriver antenna, Howard, KE6PWH and HRO for the donation of Seven CQ, and ARRL Books. WA6KLLK, Len also donated three ARRL books and

Sue, K6SUE and I donated a FT-690R-II and IC-V8000 radio.

The lucky ones were:

IC-V8000 KE6VTX
FT-690R-II W6BO
Screwdriver antenna, W6RCG
ARRL Handbook, KE6JJR
Hints & Kinks Book, KC6YSD
Transmitter Hunting book, W6AXC
FCC Rule book, K6HEW
Baluns book, KG6HXI
Kill a Watt meter, KE6PWH
Stealth antenna book, KE6JDS
RFI Book, W6IZU

For the SWOT National... 35 card carrying paid SWOT members showed... Not bad for a small chapter... hi hi ... Our farthest away was Larry, K6HLH of Lake Los Angles and he is also the third oldest SWOT member in our area. Not in age but in membership...hi hi God would I be in trouble...

Just a quick reminder that the annual SWOT gathering will be on December 4th at Bakers Square in West Sacramento, CA... Harbor Blvd and Hwy 50 at 9:30 AM... SWOT Members paid thru December of 2004 will be eligible for the drawing of a Yaesu FT-290R-II 2 meter all mode Transceiver. Options included will be an YHA-14A Rubber Duck, MH-15C8 Scanning DTMF Mic., FL2025 25 watt Amp, and a FBA-8 Battery case.

Larry, Sue and Janet



Larry's Modest Antenna in the background.



The Gathering



The Texoma Hamarama

Photos by John Petersen, KM5ES

Narrative by Art Jackson, KA5DWI

It always seems like each year that we have this gathering; it is cold, raining or windy and sometimes all of the above. When I left from DFW that Saturday morning, it was lightning to my East and to the South. I figured out that I would experience similar weather this time. Wrong!!! It was absolutely the best weather that I can recall in the years I attended. The attendance wasn't that good, but it was great to see so many friends.



From L to R: John Petersen KM5ES, Bob Landrum W5FKN and Art Jackson KA5DWI

A Grid Square Tracking Program

Looking for a free grid-square tracking program? Lee Kemp, N5TIF found one on the Internet called SQ QRA Database Version 2.0.

It can be found at:

<http://www.marsport.demon.co.uk/sq.htm>

I had a few quirks with it, but it finally worked once I figured out what it was doing. Before you install it, be sure you do the following:

1. Video size must be set at 1024 X 768
2. Computer should be at least 500MHZ plus running Windows 98.
3. You must have the file MSVBVM60.DLL (Visual Basic 6 runtime) in the Windows System folder. It is available free from Microsoft.
4. The QRA file (database) must be in the same working directory (Example C:\ProgramFiles\SQ).
5. Make sure when you upload an ADIF file (Another logging program' s standard interchange file), copy it to the program directory and upload it from there. Do not upload it from another directory.

It tends to not work correctly unless you follow the above items. It is straightforward and not too fancy. I still think VQ Log is better, but again this one is free. We all like free!!

WSJT Primer

From: Randy Tipton (Tip) WA5UFH

Thanks to all those who have been helping with the WSJT Primer.

The new link is:

<http://www.ykc.com/wa5ufh/Help/WSJTPrimer.htm> .

Also there is a link from the WSJTGROUП Webpage and the Six Club Webpage.

The document has lots of information in it. If you see something that needs to be added, removed or corrected just let me know. It should contain all the information the individual needs to get WSJT working and to make the first MS contact.

Again thanks to all who helped, your input was greatly appreciated.

DX Reports September 15-November 10

By Art Jackson KA5DWI

A excellent Fall not as good as last year, but definitely worth being around.

Aurora:

A series of strong M Class flares followed by an X class one triggered a severe magnetic storm. This was a repeat of Aurora as intense as about a year ago. This one lasted quite a while.

Times UTC

- 11/07: 22:20 First reports Quebec to Minnesota
23:20 Wyoming reporting Aurora
- 11/08: 00:20 Oklahoma and Northern California reporting.
00:30 Aurora in North Texas.
00:50 Strong signal reports in the Northwest Us and British Columbia.
01:20: Las Vegas area to Washington State
02:25 Colorado to Washington and Indiana
04:10 Still strong from N. California to Washington
05:28 Midwest to East Coast still going strong
06:02 Last reports, New York to Minnesota.

Meteors:

Few reports of scatter received.

9/21, 10/07

From our good friend - WA5UFH Tip Tipton:

Meteor Scatter contacts for September WA5UFH in EL19: K0RI DM78; W5SNX EM73; WB2FKO DM65; AF4O EM55; K5RHR DM65; K9KNW EL96; K9MRI EN70; XE2AT DL82; XE2AT DL92; XE2AT DL91. Thanks to Al XE2AT who gave my Grid 101 all High Speed Meteor Scatter 144MHz! All 100 grids worked with 140 watts during dead band conditions.

Tropo:

Confirmation that Fall is the best time of the year.

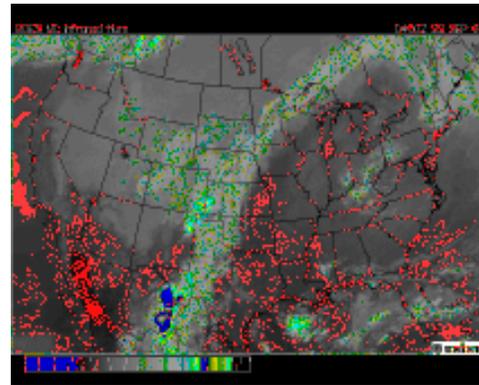
Many consistent reports of local enhancement.

Some of the better openings:

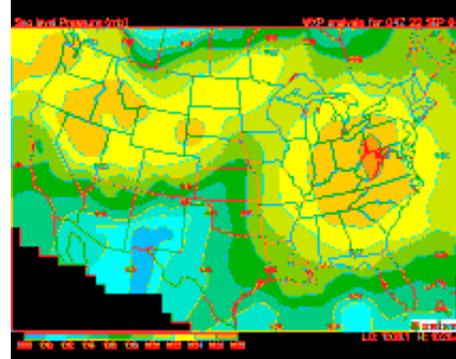
- 9/15: New England & New Brunswick
9/21: Ontario to Mississippi, Oklahoma to Alabama
9/22: Tennessee to New York – Impressive Opening!!
10/03: Missouri to Georgia
10/12: Minnesota to Ohio
10/20: SE Idaho to NE Washington, Texas to Minnesota
10/22: Texas, Oklahoma to South Carolina
11/10: Missouri to Wisconsin

Weather Maps, Upper Air Soundings and Radar Images 9/22:

Infra Red – Large Upper Air Ridge Ontario to Louisiana



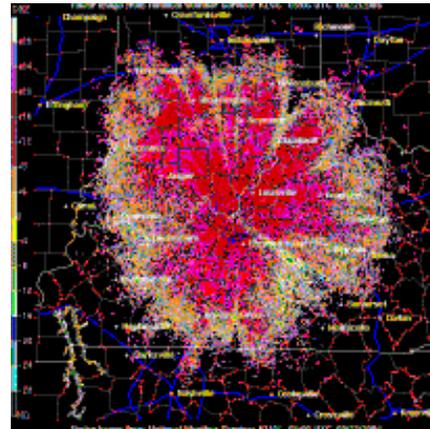
Sea Level Pressure



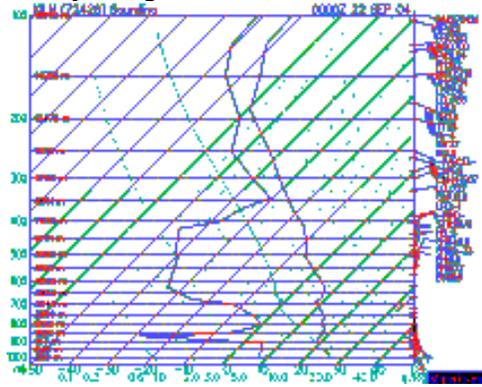
500 MB Height and Temperature
+/- 18000 feet Strong High Pressure Ridge



Louisville KY Radar – Covered in false echoes



Upper Air Sounding from Louisville KY.
Multiple High altitude inversions.



Report From Jim McMasters, KM5PO

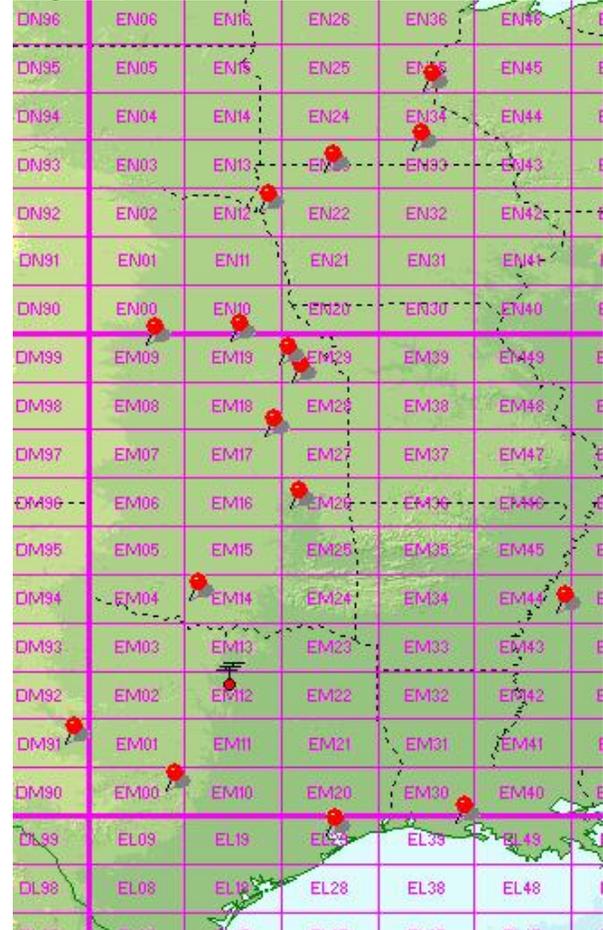
I walked in the shack at 7am Wednesday, Oct. 20th with the array still pointed North from the night before where I had been monitoring the Kansas beacons. To my surprise they were now very strong. Ditto on the WOPW beacon in South West Missouri.

Even though the band was obviously open to the South, I made a quick CQ to the North and raised a number of stations. Within the hour, I had worked 17 stations, starting first in Oklahoma, Kansas, and Missouri, then quickly spreading northward into Iowa and Minnesota. At the same time, a few off-the-back-and-side contacts were made into EL39, EL29, EM44, and DM91!! The highlight for me was working NZOJ mobile (3x3) in northern Iowa. He called me on the telephone following the contact to let me know that he was running 50 watts to a ¼ wave vertical. This was his first long haul contact while mobile. I'd say he initiated his ICOM706 with a bang!

From the log:

1204	KC0FCL	EM17ut	Eureka, KS
1206	W0DRL	EM28cx	Topeka, KS
1208	KA5VJB	EM00tn	Granite Shoals, TX
1210	N5LZY/M	EM12	N Richland Hills, TX
1215	W5III	DM91sl	San Angelo, TX
1220	W5RCI	EM44ug	Marks, MS
1230	NZ0J/M	EN23kj	Spirit Lake, IA
1245	W6ZI	EM26bh	Collinsville, OK
1245	KC5OAO	EL39tu	Abbeville, LA
1250	W0KKK	EM19xi	Emmett, KS
1255	K5WPN	EM14al	Duncan, OK
1300	AE0G	EM19lv	Washington, KS
1303	WY0V	EN12sm	Sioux City, IA
1303	W0GHZ	EN34lx	Maplewood, MN
Best – 852 miles			
1305	KA0PQW	EN33iu	Ellendale, MN
1310	W5AJX	EL29ko	Houston, TX
1311	N0LL	EM09os	Smith Center, KS

Map of QSO's



73's – Jim, KM5PO, EM12ko

(Ed. I must have hid under a rock. I worked the guys out east and then left. Dangnabit! Good work Jim!)

E-Layer Propagation:

Europe had a brief Es Opening on the afternoon of 11/08!!

Moon:

The DXWorld EME Logger was loaded with QST's and Skeds on 11/06 and 11/07

**What to expect November 15–
December 31**

This is usually the best time of the year to do those antenna repair projects. Still can get a surprise or two.

Meteors:

The Leonids will peak at 0700 UTC November 17. This annual shower was actually at storm levels the past 3 years. It is predicted that it returns to normal 10 meteors per hour this time.

The Geminids will peak December 13 at 20:45 UTC. The peak of this shower occurs gradually and then declines slowly. It should be great late Monday night,

12/13 and early pre and post dawn morning on Tuesday. The shower really favors North-South paths. I have witnessed some of the best random scatter QSO's with this shower. It produce as much as 100 meteors per hour.

Aurora:

What an odd Solar Cycle!!!

It just won't quit. The Air Force experts think this will calm down. Still be on alert around 12/07 and 12/08.

Tropo:

Once we begin to experience to first fast moving cold fronts, one can count on a slow down of Tropo activity. The exception occurs when a cool weather system stalls out over the Gulf of Mexico. Cold core systems heat up and produce the inversions necessary for Tropo. All an "Indian Summer" condition may indicate a possibility.

E-Layer Propagation:

The forgotten E Season has begun.

Many forget or fail to recognize that a second season begins and ends exactly six months from the Spring one. Openings are far and few between and not too intense. Every few years the MUF makes it 144MHz. Look for 6 Meter and 10 Meter "Short skip"

Moon:

Good days: 11/17-22, 12/01-09, 12/14-19, 12/28-31

Bad days: 11/15, 12/12

Good days are based on low sky noise and path loss readings (DEGR) less than 3dB, Best days at/or below 1dB. Bad days are those with a 10db plus reading.

Lunar, Solar and Astronomical Events

Lunar: Perigee – 11/14, 12/12

Apogee – 11/30, 12/27

Full Moon – 11/26, 12/26

New Moon – 11/12, 12/12

Highest Declination (Elevation): 11/29, 12/26

Lowest Declination (Elevation): 11/15, 12/12-13

Solar: Overhead:

11/30: 21.7°S, 12/30: 23.1°S,

Winter Solstice: 12/21 12:40 UTC

USAF Predicted Solar Flux 30 Day Average:

11/10-12/10: 116

11/27-12/27: 114 (Down from 120 and still well above predicted levels)

Meteors:

11/01-11/30: 20 Showers active, 13 Peak

12/01-12/31: 34 Showers active, 26 Peak

Meteor info at:

<http://comets.amsmeteors.org/meteors/calendar.html>

Event & Contest Calender 2004-2005

<u>Month</u>	<u>Day</u>	<u>Event</u>
December	1	KAOS Six Meters Sprint: 01-05 UTC
December	29	KAOS.Two Meters Sprint: 01-05 UTC
January	22-24	ARRL VHF Sweepstakes
January	26	KAOS Six Meters Sprint: 01-05 UTC
February	23	KAOS.Two Meters Sprint: 01-05 UTC
March	30	KAOS Six Meters Sprint: 01-05 UTC

KAOS (Keep Activity On Scatter)

Explanation of Sprints:

<http://www.ykc.com/wa5ufh/WSJTGROU/SprintRules.htm>

June 11-13 ARRL VHF QSO Party

Send me dates that are important to you all.

SWOT Announcements and News

Eastern Oklahoma SWOT Net:

Plans are for this Net to return sometimes in the foreseeable future.

It will probably be mid-evening on Thursdays.

Daytona Beach Florida SWOT Net:

It is our pleasure to announce the formation of a new SWOT Net.

On Wednesday, October 27 at 8:00PM Eastern Time, the Daytona Beach, Florida SWOT Net will held its first official session on 144.250 MHz.

This gathering had been occurring for a number of weeks on 144.200 MHz, and moved to 144.250 MHz in recognition of becoming a SWOT Net.

The Net Control operators are:

KU4VQ George Kangas in South Daytona and
KI4FIA George Fetter in Port Orange

This Net is NOT limited to SWOT members. Its purpose is to promote 2 Meter Weak Signal operations and provide those new to 2 Meter Sideband information and experience. Everyone is invited to check in.

Also once this Net is well established, possibilities exist that this Net will expand to other bands (ie. 222 MHz) and try other modes (ie.CW).

We wish them lots of luck and our total support.

SWOT Net Reports

Here are the net reports for September, October and November

Northern California (Sunday) September

Computer Crash at Larry's House !!

Checkins

55 First week

76 Second week

71 Third week

78 Forth week

October

A total of 121 different stations checked in for the month...

Week one had 82 checkins,

73 for the second weekend,

73 for the third,

76 for the fourth, and

58 for the last weekend

26 stations checked in all five weeks

25 checked in four weeks

18 checked in three times

21 checked in twice

31 checked in once

73 Larry....

Northeast Missouri (Monday) N0PB-NCS

Month of October:

<u>Date</u>	<u>Check-ins/Grids/States</u>
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10/04	32/14/08
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10/11	26/12/06
-------	----------

10/18	22/15/05
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10/25	30/15/07
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North Texas (Wednesday) W5FKN-NCS

<u>Date</u>	<u>Check-ins/Grids/SWOT#'s</u>
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09/01	No Net
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09/08	25/16/10
-------	----------

09/15	28/16/10
-------	----------

09/22	20/14/09
-------	----------

09/29	27/15/12
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10/07	17/09
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10/14	03/02
-------	-------

10/21	24/10
-------	-------

10/28	21/11
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11/03	28/18/10
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East Texas Pineywoods (Saturday) K5LOW-NCS

<u>Date</u>	<u>Check-ins/Grids</u>
-------------	------------------------

09/04	10/06/07
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09/11	14/08/09
-------	----------

09/18	11/05/05
-------	----------

09/25	11/07/05
-------	----------

10/02	10/07/07
-------	----------

10/09	15/09/09
-------	----------

10/16	10/06/05
-------	----------

10/23	09/05/06
-------	----------

10/30	No Net
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Daytona Beach Florida SWOT Net

<u>Date</u>	<u>Check ins/Grids</u>
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10/27	10/03
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11/03	11/05
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Southwest Oklahoma (Thursday)

Date Check-ins /Grids

No Reports Received

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	8:00P	VACAVILLE CA	NO. CALIFORNIA	144.250	W6OMF LARRY
SUN	8:30A	TUCSON AZ	ARIZONA	144.250	N7SQN AL
SUN	8:30P	ZEBULON NC		144.220	N1GMV
SUN	9:30P	HOLLAND MI	MI SWAM	144.155	K8NFT
MON	7:30P	ALBUQUERQUE	NEW MEXICO	144.200	N5XZM BOBBY
MON	8:00P	COLORADO	ROCKY MT. VHF +	144.220	N0VSB W6OAL
MON	8:00P	NE MISSOURI	NORTHEAST MISSOURI SWOT	144.250	N0PB PHIL
MON	8:00P	SANDUSKY	E. MICHIGAN VHF	144.250	W8IDT BART
MON	9:00P	TIDEWATER VA		144.230	
TUE	8:00P	CA.NO CTYS	NORCAL	144.250	KN6NG TONY
TUE	8:00P	GREENSBORO NC		144.225	K4HC
WED	8:00p	CENTRAL FLORIDA	DAYTONA BEACH FLORIDA SWOT	144.250	KU4VQ GEORGE KI4FIA GEORGE
WED	9:00P	NO TEXAS	NORTH TEXAS SWOT	144.250	W5FKN BOB
THU	8:00P	CA SO CTYS	NORCAL	144.250	KA6CHJ PAUL
THU	7:30P	LAWTON/ DUNCAN OK	SOUTHWEST OKLAHOMA SWOT	144.250	ROTATING
THU	9:00P	TENNESSE	UPPER CUMBERLAND	144.225	N2BR BOBBY
SAT	7:00A	EAST TEXAS	PINEYWOODS SWOT	144.250	K5LOW DON

SWOT Nets in Bold