



# SWOT BULLETIN

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

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

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## BULLETIN # 293

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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>

## In this issue:

- The Chairman's Corner Page 2
- 2003 HamCom and ARRL National Convention Recap Page 2
- The Slam Page 3
- 2003 Operating Activities and Pictures Page 4
- On the World Wide Web Page 5
- DX Reports May 16 – June 15 Page 5
- What to Expect June 16 – July 16 Page 7
- Lunar, Solar and Astronomical Page 7
- Event and Contest Calendar Page 7
- SWOT Classifieds Page 7
- SWOT Net Announcements and News Page 8
- SWOT Net Reports Page 8
- Membership Application and Renewal Page 9
- SWOT Net Listings Page 9

## **The Chairman's Corner**

By Art Jackson, KA5DWI

Things really picked up a bit this month. If you plan to really enjoy "Weak Signal", this is the two months that you must be committed to it. I say, "committed" in more than one definition. By the end of this August, you are sad that the great Es DX has about come to an end and your better half is about ready to have you sent away permanently cause you have spent so much time in the Shack. With contests and E openings, the only time you get out (other than work), is to attend one of your favorite Ham Conventions or Conferences.

So things have been hopping a bit here and I have just started the second summer session in College to make matters worse. I have been able to enjoy one nice contest, 2 Es openings, Field Day, HamCom and a short weekend in Little Rock. So I am glad to have an understanding YL, plus I had to put up with her friends in Little Rock.

No slowing down still. We have 4 more big events coming up.

The first one is CQ's VHF Contest, July 19 to 20. This is a 6 and 2 Meter contest only. I have always like that idea. I really believe a VHF Contest is exactly that. Although the contest occurs about a month after the Summer solstice, don't give up on a possibility of Es propagation. Some of the best Es I have ever enjoyed were later in July. Also, if we have a number of heatwaves established, it is a great time for Tropo possibilities.

Many of you know my druthers with CQ Magazine. Despite those issues, really do what you can to support this Contest. Participate and send in a log.

Next on the list is the Central States VHF Conference. The conference runs from Thursday, July 24 to Sunday July 27 in Tulsa Oklahoma. This is the premier Weak Signal conference. The "Who's Who" of VHF appears for this one. Lots of brains, egos and characters show up. You will not meet a finer group of Hams. The door prizes at the Banquet make it worth the trip. Check [www.csvhfs.org](http://www.csvhfs.org) if you need more info. I hope to be there spreading good cheer from SWOT.

Next is the ARRL UHF Contest is on Aug 2-3. This is the prime time of the year for Tropo and Local enhanced signals. So if you are into 432 MHz and above, this is the best time for this contest. Participate and send in a log as well.

We finish off the month with the Perseids meteor shower. Now that the Leonids are history for 30 years, your best shot at good random MS QSO's each year is usually this particular shower. It is known for large slow moving meteors. It lasts from August 8-20 and will peak at on August 12 at 2330UTC. This is a good time to try the MS digital modes like WSJT FSK441 and JT6M.

Again, this is the most fun time of the year. Make the most of it.

### **HamCom**

I will recap HamCom in the next section. I was glad to meet so many of you there. Despite it being the ARRL Convention, attendance still seemed to be a bit down. In all a good time was had by those who made the luncheon.

The number one comment from all, "*We need to do something about ragchewers on 200!!*".

### **The Bulletin**

Well it looks like Work and Vacation schedules has continued to hamper everyone's writing talents.

The Bulletin is still full of many tidbits.

Thank you Don NL7CO, John W5UWB, Lee N5TIF, John NE0P and Don K5LOW for your contributions this month.

73's and Make Noise

Art Jackson KA5DWI, SWOT #2497

## **2003 HamCom and ARRL National Convention - Recap**

From Art Jackson KA5DWI

Ever since I can remember, Howard WD5DJT has done all the work setting up a table at HamCom. It has been a great place to meet other members, socialize and talk SWOT. As your new Chairman, I felt obligated to be at the Flea Market table and visit with all of you who took the time to visit. I had an absolutely great time!

The original intent was to have a short meeting Saturday at 1:00PM. Unfortunately, the directors at HamCom felt that "High Speed Multimedia" and "Heathkit – Microwaves to Boonie Bikes" was more important. We got knocked off the program list. Enough said.

We decided to have a luncheon and a few of us visited an excellent TexMex establishment for Carne Asada, enchiladas, tacos and some cold Bohemias. For those of you that went to the HamCom DX Luncheon, I sure hope the DX discussions were worth it. Something

about talking Es and cold Mexican beer makes life real pleasant.

Howard and I didn't bore each other too bad and we had an excellent turnout at the table. 41 people signed in

Here are all those who signed in:

DEAN FIGGINS	WA7EPU	1008	DM62
DANNY CROMAZ	W5WB	3370	EM12
FLOYD RODGERS	KC5QBC	3340	EM12
MIKE FRIEDEL	N5SRE	663	EL29
BOBBYE O'REAR	W5III	3342	DM91
DON HEJL	N5SVK	3350	DM91
RANDON PORTER	WA5BEG	3111	EM12
KENT BRITAIN	WA5VJB	193	EM12
BOB WALDICK	KI5UB	3127	EM12
SAMMY PIRAINO	W5DPP	1094	EM10
JIM MUSGROVE	K5BZH	2913	EM01
BRIAN DERX	N5BA		EL29
JOHN DYER	AE5B	3385	EM02
CARLA DYER	K5RLA	3422	EM02
DELBERT FLETCHER	K5DDD	3251	EM20
WILL HOAG	WA5OLT	2193	EM12
WAYNE DAY	N5WD	333	EM12
BILL TYNAN	W3XO	300	EM00
BRENT LEMONS	N5TML	3159	EM14
CHUCK CLARK	AF8Z	1322	EM13
GORDON WEST	WB6NOA	1032	DM13
BOB LANDRUM	W5FKM	3152	EM13
WADE MASSEY	KC5MGL	3217	EM13
GENE HODGE	K5DPS	3108	EM13
STEVE HOLMAN	N5WDD	3336	EM22
ALEX KAPLINSKY	K5UNY	3389	EM12
LEE KEMP	N5TIF	3319	EM12
BILL ROBBINS	KA5VJB	2912	EM00
TAD DANLEY	K3TD	3427	EM13
DOC TAYLOR	K5KP	49	EM12
GENE VANTREE	WD5FDL	2643	EM12
KEVIN TEMPLETON	KB5ZVV	3123	EM01
PHIL WHITE	W5PCW	292	EM00
BILL DUVAL	K5UGM	40	EM12
TED TUTTERROW	K4UFT	3368	EM12
GARY COOPER	KA5TXC	2766	EM12
MIKE BAKER	W8CM	1045	EM13
BILL SCURLOCK	K5GCW	2948	EM12
JIM NORDGREN	W8EP	3096	EM12
HOWARD HALLMAN	WD5DJT	893	EM12
ART JACKSON	KA5DWI	2497	EM12

Many renewed and we also got a new member or two. Thank you all for also contributing to the SWOT Website Maintenance Fund.

### A picture says a thousand words....



Your Chairman and Editor praying for another cold Bohemia.



Howard, WD5DJT Secretary/Treasurer



Steve N5WDD, Gene W5DPS and Tim KY5R. Tim was visiting us from Alabama.

Thanks to Don, K5LOW for the pictures.

I sure look forward to doing this again one day. Despite HamCom's behavior, we still will make there each year.

## The Slam

By Donald Ross NL7CO

We've all heard of the golf terms "The Grand Slam", which is holding the titles to all four of the majors during a single year, and of the "Tiger Slam", which is holding all four of those titles simultaneously, but not in the same competitive year. The thought of winning something as impressive as either of these slams has me thinking of a similar feat of greatness as a 2-Meter contester.

We, the 2-Meter community, do not have either a single great contesting event, nor do we have a recognized cumulative award recognizing an extraordinary year being had by one of our members. While we don't have a Stanley Cup, we do have enough events spread over the year to have a "slam".

Which contests would make the "Grand Slam" of 2-Meter contesting? Which ones have the stature and the respect necessary to be the ones that separate the upper

echelons of our competitive members? And since there are very few 2-Meter only contests, how do we honor the best amongst us?

The three ARRL contests would have to be part of it since they get so much publicity and even occasional contesters will participate. Say what you will about the league's decision to abandon the paper format for their contest reporting, their web data makes it easy to find out exactly who "won" each of the events. To find out the overall winners, do the following:

Log on to the ARRL Members Only section and go to the contest results page (<http://www.arrl.org/contests/results/>) and select the appropriate contest. Scroll down to the bottom of the page and check the "List per-band counts" block and then the "Select and sort entries to display" box. So back to the bottom of the page and right-click the download option of "Comma-delimited (CSV)" and perform a "Save As ..." function. Save the file to your hard drive and remember where the file is and what you called it.

Import it into your spreadsheet program and eliminate all of the unnecessary columns. At a minimum, you will need to keep Callsigns, Class, 144 QSO, and 144 Mult. Format another column to give you the 2-Meter score by multiplying the QSO count and the multipliers together. Sort it by class and then by descending score and then look for the 2-Meter leader in each class. I've eliminated both multi-operator classes and the rover class to try and get an individual award. I know that some rovers operate alone (I'm one of them), but there is no way to separate them out from the teamed rovers, so I had to eliminate them also. Doing so shows the following individual class winners with the points in parenthesis after their call:

<u>Contest</u>	<u>Low Power</u>	<u>High Power</u>	<u>QRP</u>
Jan 02	K1JT(7,293)	K3TV(23,547)	K6MI(1,751)
Jun 02	W1SG(8,712)	K1TEO(23,188)	K9PW(6,560)
Sep 02	W1SG(7,420)	K1TEO(13,725)	KG4LEV(1,850)

It is apparent that no one swept the ARRL sponsored contests with 2-Meter, but is that enough entries to designate a slam?

We've also got the two sprints that we can add to the slam, a spring one and a summer one, both only four hours long, but without power classifications. The spring sprint, run by the East Tennessee DX Association (<http://www.etdxa.org/>) shows that VE3AX won that one. The fall sprint was run by the Southeast VHF Society (<http://www.svhfs.org/>) and AK3E won that one.

I wanted to add the sixth 2-Meter annual contest, CQ Magazine's World Wide VHF Contest, but the data is not such that I can easily roll it into the 2-Meter only Slam. Only three people in North America turned in 2-Meter only logs and some of the usual suspects played on both 2-Meters and 6-Meters which are listed as a combined score.

Five contests, nine winners and only two won twice. No Grand Slam, but some grand efforts by all of the winners with special kudos to K1TEO (SWOT #2291) and W1SG for their dual wins.

Until Next Time,  
Don NL7CO

## 2003 Operating Activities – Notes and Pictures

### 2003 ARRL VHF QSO PARTY

#### From John, NE0P:

What a contest! Great 6 meter opening Saturday, and I missed the beginning of it since I didn't get on until 8PM. Activated EM15, EM14, and EM04, and got my highest VHF contest score ever. Propagation was much slower on Sunday, but still managed a few QSO's on 6-Meters.

After Saturday's opening I was hoping to get a 6 Meter VUCC in one weekend, but the Es just wasn't there on Sunday. Never did hear 1,2,3,8, or 9 land. There was some pretty short skip on 6 Saturday night into CO and NM, which allowed me to pick up a few needed grids in those states. Worked 29 new grids on 6 Meters, which should put me around 275 or so worked. Now to get all of the cards out. Propagation on 2 and 432 was pretty flat, with nothing unusual worked on those bands.

Here is the scoring breakdown  
6 meters-159 QSO's, 83 grids  
2 meters-27 QSO's, 15 grids  
222 mhz-2 QSO's, 2 grids  
432 mhz-8 QSO's, 5 grids  
3 bonus multipliers for activating EM15, EM14, EM04

Total-206 points x 108 Mults = 22,248 points

Special thanks to Ron for roving on Sunday, giving me EM05, EM15, EM14 and EM04. He was also my only 222 QSOs, and we did those with an HT on each end. Have to love operating from Mt. Scott

73s John NE0P

## 2003 ARRL FIELD DAY

Conditions for this year's Field Day were not the best. Still, the VHF and UHF bands were full of signals.

Sometimes you get to utilize the facilities of your City and County services. So they did in Tyler, TX. The following pictures are care of **Don K5LOW**. The Tyler ARC got to use a Fire Engine ladder truck as a mast for the VHF arrays.

Their signal was outstanding throughout Field Day. There were no High-Rise fires that weekend.



## On the World Wide Web

A few sites Weak Signal operators may be interested in. Send in your favorite non-commercial sites and they will be listed here.

### **From Phil N0PB: 2-Meter Es Alert System**

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 interested in seeing what happens over there).

When you go to <http://gooddx.xs4all.nl/eskipNA>, then you can get a listing of the loggings that were filtered by the DX Robot. Each of them would have caused the DX-Robot 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' sskip, Eskip, or e-skip in the note, along with the grid of each end of the propagation (if known). Also include your call.

### **From Lee Kemp, N5TIF:**

This was posted for the GQRP discussion group. I think that all VHF DX'ers will find it interesting. Be sure and go to the link and see the rest of the story, maps and audio recordings there.

<http://www.skywaves.info/fmta.html>

People were copying N.American Band 2 FM stations around 100MHz in the UK on June 26th in the big Sporadic-E opening that I missed (book hunting in Hay-on-Wye instead!). There are recordings on the site listed.

HF conditions may be questionable but certainly Sporadic-E has been pretty good. Sounds like this might have been an occasion when 144MHz might just have been open for a few milliseconds across the pond too. G3XBM

## DX Reports June 16-July15

By Art Jackson KA5DWI

### **A Good Month of DX!!!!**

#### **Aurora:**

A much quieter month from last.

Although a number of disturbed periods occurred, it only was active enough once to produce any Aurora conditions on 2 Meters. This occurred on July 11&12.

On these two days the northern third of the USA reported conditions.

#### **Meteor:**

It appears that on a couple of occasions that some of the Sporadic E openings were enhanced by meteors. That is up for argument, but hearing it you would swear that you were making random MS QSO's rather than very short Es contacts.

#### **Sporadic E:**

This year's reporting of Es continues to be more encouraging the last. I would not call it spectacular, but the actual number of openings has been plentiful. Dates for 2 Meter Es were: 6/17, 6/22, 6/24, 7/03, 7/04, 7/05, 7/10, 7/12 and 7/13. From looking at the data, it appears that many of the openings have favored the West Coast. The Midwest to Texas and Florida to Texas have been numerous.

One of the best openings occurred on June 24th, between Texas and Florida. You Editor failed to work anything new, but it was open here in EM12 for 4½ hours. Many excellent signals occurred during this time. It was the best opening around DFW in 2 years. Visit the SWOT Yahoo Page and go to the "Files" section to listen in to a few audio clips.

Your editor made 17 QSO's from Southern Georgia to Key West, Florida.

## Some reports from 6/24/03:

### From Lee Kemp, N5TIF EM12:

Worked 19 stations in FL and GA grids worked EM81, EM90, EM70, EL98, EL79, EL87, EL97, EL86, EL96, EL88, & EL89. The band was open from around 17:20 till 21:15 CDT, that was my last contact, but it was still open for another 30 minutes or so. It was fun and wish I had worked more new ones. Out of it just worked 2 new grids.

### From John Dyer, AE5B EM02:

I am about 100 miles west of Lee and it took another hour for the opening to reach me. Twenty stations in 12 grids in my log. My grids were identical to Lee's, except I worked 3 stations in EL99 including a mobile. Also worked Ken, AC4TO/mobile, EM70 on his way home to get in on the fun. Nothing heard from EL95 or EL94 in South Florida although Ch 6 from Miami was in solid for a long time.

At the very end, the opening extended into West Texas and several were able to work Jack, W5JLC, in DM81. Jack doesn't like pileups much and tends to move around on the band. I was copying him good on backscatter and spotted his frequency on the Logger several times.

Hope it helped some of you find him on the band. When he discovers that I was causing his pileups, I may have to buy him dinner.

### From Pat Dyer, WA5IYX EL09ql:

Raw log notes and comments on the best 2-m Es here in a few seasons.

Much of this was posted on Slapshot, tho often a few minutes delayed -hardly the density/duration that other places like EM12 had -

It seemed the more south the worse - K5DYY in EL07 made some though.

Yaesu FT-847 (50 w) into 11-e Cushcraft at ~ 20' AGL (Feb 2002 photo - <http://www.qsl.net/wa5iyx/images/02022703.jpg>)

1730z \_\_81, 200  
1728z W4VC  
1945z EM90  
1959z W4LTJ  
2003z AC4TO  
2004z W4LTJ, 205, finally a QSO!  
2005z W4HR EM92, 200, QSO  
2013z K1HBX EM90, 185, QSO  
2020z KE4YYD EL79, so loud thought to be local at

first!

2026z AC4TO EM70 200, QSO  
2031z KE4YYD EL79, 180, not as loud as prior, QSO  
2035z W4VC EM81, QSO  
2049z KE4KVV EM80, 210  
2055z KE4KVV, QSO ?, might have busted my call as WA5AYX  
2106z KB4CRT, 200; W4LTJ  
2113z KB4CRT EL89, 200, QSO  
2114z ? 230  
2138z AC4TO still in/out looking for NMx  
2142z ?

Some signals were in/out because of long/short term Es QSB and others because the op(s) went off trying for 222-MHz prop!

My best-ever 2-m Es remains the Sunday, June 14, 1987 event with over 50 Q's on that ARRL Contest day - (rig then Swan 500+TV-2C, ~80w)

=====  
prelims w/Icom IC-4A with 88-108 MHz antenna, much intermod from local 100-kw FM broadcasters :<

1750z 119.975 (ATIS) Panama City, FL  
1913z 111.6 RRS AL Dothan  
1916z 112.5 IFM GA Tifton  
1950z 111.4 LSF GA Lawson (Ft Benning)  
2150z 111.2 OZR AL Ozark (Ft Rucker)

I need to get the step attenuator in line with the Icom to see if that will cut down the intermod trash and enable better "harvesting" once the Es MUF has gone past 107.9 and 88-108 has become a hopeless morass.

73, Pat

Ed... Pat is the one of the best historians for Sporadic Es propagation. Visit his site when you can.

## Other Es Events

### From John Butrovich W5UWB EL17:

While Europe had almost 6 hours of E's on 144mhz today, I managed to get a grand total of 7 minutes!!

Worked on 22 June were:

1957 KA9CFD EN40om 5x9 144.210 QRB= 956mi  
1958 K9VHF EN53xp 5x6 144.210 QRB= 1213mi  
2004 KB9NLM EN53uo 5x3 144.210 QRB= 1204mi

And that was the end of it. MUF dropped rapidly, however still has numerous loud meteor pings on 144.200 for the next hour.

I made a point of announcing on 144.200 and indicating that I was listening on 144.210. Had no problem pulling

the gents off the call freq to a clear spot.  
73 - John

**From John Geiger, NE0P EM04, Evening 7/09/03:**

Caught my first 2-Meter E skip since 1992 .  
Worked WA4FPM in FN11 at 0207Z, WA2BPE in  
FN12 at 0208Z, and W6OMF in CM98 at 0219Z.  
Surprised to see it coming in from both directions.  
Heard N8GX call me about an hour later, but band  
dropped out before we could complete.

See you at CSVHF!  
73s John NE0P

**Tropo:**

**Sadly, it takes a back seat to Es.**

The northern half of the US seemed to benefit this period  
as stormy a weather pattern persisted in the southern  
half. This time the Midwest, the Great Lakes and Central  
Plains again received the better conditions. Hawaii to  
California Tropo was reported again.

Openings reported:

- 6/2116 - Central Plains, Midwest
- 6/25- New England/Northeast US, Great Lakes
- 7/05 – Southern Plains
- 7/08 – Atlantic Coast
- 7/10 – Great Lakes
- 7/11 – Southern Plains & South Texas
- 7/13 – West Coast - Hawaii
- 7/15 – Northern Plains, Great Lakes

**What to expect July 16 - August 15:**

**Don't give up. More to happen.**

**Meteors:**

The Perseids is one of the best showers each year. It  
hasn't been too spectacular in a while. We are due for a  
good one; unfortunately this shower is predicted to peak  
at the wrong time of the day. It will peak 3 hours either  
side on 2330 UTC on Saturday, August 12. This a early-  
early morning to mid morning shower. Schedules should  
and do produce good results.

A large number of minor and variable showers are there  
to keep you going.

**Aurora:**

Look for aurora possibilities around 7/16, 7/27 and 8/02-  
03 as possible active periods. Be sure to monitor  
*Spaceweather.Com* for possible events.

**Tropo:**

The peak of the summer occurs the end of July and the  
first of August. Heat waves are key to Tropo  
development. The heat wave will be caused by a strong  
upper air high-pressure system. Openings will occur  
along the western portions of the High.

**E-Layer Propagation:**

It is downhill from here as to the number of occurrences.  
Don't give up. The past couple of years have had  
excellent 2 Meter openings well into August. Be  
prepared to monitor all the indicators and keep an eye  
for activity beginning on 10 and 6 Meters. Very short  
skip on these bands leads to openings here.

**Moon:**

Best days: None again..  
Good days: 7/26-27, 07/28-8/04 & 8/13-14  
Bad days: 8/08  
*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 – 8/05, Apogee – 7/22

Full Moon – 8/12, New Moon – 7/29

Highest Declination (Elevation):07/26-27

Lowest Declination (Elevation):08/08-09

**Solar:** Overhead 7/16: - 21.4°N, 8/15: -14.1°N

Northern Hemisphere

E Threshold Ends 8/12

**USAF Predicted Solar Flux Average:**

7/16-08/15: 126

(Little change from the prior month)

**Meteors:**

7/16-7/31 -30 Active showers, 10 Peak

8/01-8/15 - 26 Active showers, 7 Peak

Meteor info at:

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

**Event & Contest Calender 2003**

**Calendar:**

<u>Month</u>	<u>Day</u>	<u>Event</u>
July	19-20	CQ WW VHF Contest
July	24-27	Central States VHF Conference Tulsa OK
August	2-3	ARRL UHF Contest
September	13-15	ARRL VHF QSO Party

Send me dates important to you all.

**SWOT Classifieds**

**From Bill Scurlock K5GCW:**

Henry Tempo 2002 Kilowatt Amplifier. 1000 watts  
output on SSB, 500 watts output on CW & FM. Wired  
for 240VAC input. Complete with Transco switching  
relays and external 24VDC power supply for operation  
with transceivers that have relay control output contacts.  
Nice clean cabinet and fully functional amplifier.  
Replaced both 8874 tubes which have less than 50 hours

on-time.

Used external supplemental fans to make sure tubes and power supply operated very cool. Prefer not to ship. Available for pickup, or will work out delivery arrangement within reasonable distance. Complete with Operating & Maintenance Manual. Asking price \$1100.00 plus any transportation arrangements from Rockwall, Texas. Can email photo on request. Contact information: K5GCW, Bill Scurlock, 972-771-5307 (home) or 972-342-6445 (cell), email address is [wts1@airmail.net](mailto:wts1@airmail.net)

**From Tad Danley K3TD:**

Hello, I am looking for an IC-275H or A in excellent condition. Would appreciate any help in finding one so I can get on the air from home.  
Thanks and 73,  
Tad Danley, K3TD  
[tdanley@sbcglobal.net](mailto:tdanley@sbcglobal.net)

**SWOT Net Announcements and News**

**Thursday Evening – SW Oklahoma SWOT Net**

The NCS for this Net will be Charles, KM5NU, SWOT #3390. He is in Geronimo, OK. Jim, W5SSG will be back on August 1.

**Tri State Net – Wednesday 8:00PM**

Is No More! ! Hasn't been called in a long time.

**SWOT Net Reports**

Here are the net reports for May and June. The first figure listed for each date is the number of check-ins and the second is the number of grids.

**Northern California (Sunday)**

**Month of June:**

37 checked in once, 18 twice, 25 three times, 27 four times and 31 all 5 times.... 18 different grids

06/01 – 93      06/08 – 97      06/15 - 78  
06/22 – 82      06/29 – 66

**Northern Missouri (Monday)**

**Month of June:**

Cumulative Totals:  
5-Nets 106-Check-ins 61-Grids

**Central Louisiana (Tuesday)**

Still on Hold -No Nets

**North Texas (Wednesday)**

06/18... 26/14    06/25...22/11    07/02... No Net  
07/09... 24/12

**Southwest Oklahoma (Thursday)**

No Reports

**East Texas Pineywoods (Saturday)**

06/21... 07/04 Short net for HamCom  
06/28...18/07    07/05... 11/05  
07/12 ... 20/08 (from DFW)



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## 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 news letter by EMAIL YES \_\_\_\_\_ NO \_\_\_\_\_

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## *SWOT NETS*

Day	Local Time	Area	Net	Frequency	Net Control Station
SUN	8:30A	TUCSON AZ	ARIZONA	144.250	N7SQN AL
SUN	8:00P	VACAVILLE CA	NORTHERN CALIFORNIA	144.250	W6OMF LARRY
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 N0POH
MON	8:00P	N. CENTRAL MO.	N. CENTRAL MO. SWOT	144.250	N0PB PHIL
MON	8:00P	SANDUSKY	E. MICHIGAN VHF	144.250	W8IDT BART
TUE	8:00P	CA.NO CTYS	NORCAL	144.250	KF6BXH BILL
TUE POSTPONED	8:00P	EM31 LA.	CENTRAL LOUISIANA SWOT	144.250	K5MQ DAVE
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	DUNCAN OK	SOUTHWEST OKLAHOMA SWOT	144.250	W5SSG JIM
THU	9:00P	TENNESSE	UPPER CUMBERLAND	144.225	N2BR BOBBY
SAT	7:00A	EAST TEXAS	PINEYWOODS SWOT	144.250	K5LOW DON