



# THE BULLSHEET



Official News Bulletin of the  
Texas DX Society

An ARRL Affiliated Club

January, 1985

Volume IX

Number 1

founded 1970

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The Texas DX Society, P.O. Box 540291, Houston, Texas 77254-0291  
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## ANNOUNCEMENTS

MEETING NOTICE -The Texas DX Society meets the second Friday of each month except when changed by the Board of Directors. The regular January meeting has been preempted this year by a festive get together on Saturday, January 12, 1985 at the Steak 'N Ale Restaurant on the Gulf Freeway at Woodridge. There will be a brief (N.B. Tuna- BRIEF!) business meeting at 8 P.M. followed immediately by dinner and comraderie suitable for our better halves. The price is \$14.95 each and includes an entree, salad, beverage, tax and tip (in common parlance: "Drive Out"). Cocktails may be purchased separately from a cash bar starting at 7:30 P.M. If you have not already R.S.V.P.'d, please contact Sharp as soon as possible. Seating is limited.

1985 MEMBERSHIP DUES . . . are due. The good news is that once again your Board has set dues at only \$25.00 for full members, \$12.50 for associates. The bad news is that dues are payable January 1st, 1985, and anyone whose dues are not paid in full by March 1st may be dropped from the roster by the Board. Remember, you may be ineligible to compete in some upcoming club aggregate events if you fail to pay your dues. See K5VWW for details.

WEEKLY DX & CONTEST NET- Just a reminder that each Tuesday night at 9:00 P.M. the Club sponsors a net on 147.96/.36. Participation by non-members as well as members is welcomed. The purpose of the net is to facilitate the exchange of DX, contest, and Club information within the amateur community. Your active support of this activity is encouraged.

DECEMBER MEETING RECAP - The new board announced the appointed officers for 1985. (Listed elsewhere). KE5IV was placed in charge of providing beer and soda at the meetings. (Like putting the wolf in charge of the sheep.) Money was appropriated to purchase a new 15 meter antenna for HZ1AB, renew the club liability insurance policy, and purchase banquet prizes. The meeting adjourned early to allow the unstructured debate of issues upon which all in attendance placed greater priority.

BULLSHEET MAILING LIST - It is the club's desire to provide the Bullsheet free to all amateurs in the area with an interest in DXing and/or contesting. If you would like to receive our newsletter simply send your name, call, and mailing address to Texas DX Society, P.O. Box 540291, Houston, Texas, 77254-0291. Visitors at the regular club meeting can request the monthly newsletter by providing their mailing address on the sign-in sheet. Articles or other

newsworthy items from club members and other interested amateurs are hereby solicited by your editor.

SSB ARMADILLO RUN MEETING - Anyone interested in joining KD5SP, KB5FU, KE5IV, NR5M, and KE5FI (rubberlips all) in a serious effort to put on a major road romp during SSB County Hunter's Contest on April 27-28 plan to attend a brief organizational meeting at 7:30 P.M. on Thursday January 17, 1985 at the Bellaire Hospital Professional Building, 6550 Mapleridge (our regular meeting place).

THE PRESIDENT'S CORNER (de K2TNO)

So now what?

A holiday greeting from your incoming Board.

I hope all of you have had a pleasant holiday season, and awoke on Christmas morning to find many heavy, delicate boxes under your tree bearing Japanese instructions (the boxes, not the tree). Phyllis promised me something to help my countries total . . . turned out to be having my bed moved out to the garage closer to the rig. Thought it was a nice present until I discovered she'd bought herself a new set of locks for the house and only one set of keys.

Anyway, I thought I'd bring you all (Kenny, that's "y'all") up to date on the TDXS situation for the coming year. First, I'm very pleased with the team we've assembled to run the show in '85. Here is a list of the people and their assignments:

President: Bill Schrader, K2TNO  
Vice-President: Frank Wyatt, KC5M  
Secretary: Dave Busick, N5JJ  
Treasurer: Orville Burg, K5VWW

Appointed officers are:

Membership: (Not appointed as of press time)  
Repeater: Kim Carr, K5TU  
DX: Mike Davidson, KC5CP  
Field Day: Joe Staples, W5ASP  
Outgoing QSL's: Sammy Neal, N5AF  
Need List: Lee Norman, W5DOZ  
Legal: Chuck Dietz, KE5FI  
Bullsheat: George DeMontrond, NR5M  
Program: Don Busick, K5AAD  
Contest: Chuck Coleman, K5LZO

I was particularly pleased by the number of people on this list who volunteered for their positions. It certainly is important to have that kind of support if we are going to repeat last year's fine club performance.

By way of review

Dennis, KZ5M, and the rest of the 1984 crew deserve a 59+ round of white noise for their leadership in the past year. Somehow Dennis managed to cajole us into two ARRL DXpeditions which received worldwide notice. The picture of our antenna farm even made the cover of the 1985 Handbook (got yours yet? I hear K5RC and AA5Y get royalties from the book sales). Winning multi-everything from down at XE2FU was one of the big thrills for anyone who went. By the way, over two-thirds of the members went at least once. Then came Field Day, and we pulled out all the stops in Class 3A again and won in a walk. July brought us the Armadillo Run, and another time to show the TDXS colors on the air. Finally, sweepstakes brought the last big club effort of '84, with 47 logs submitted. All in all, the year was one excellent team effort.

The contests are easy to evaluate, because the scores are published and they're high-visibility events. But the club probably showed its true spirit more subtly in the off-hours. A lot of expensive aluminum went up around town in '84, and just about all of it happened thanks to guys from the club showing up to help. We all know how busy the weekends are, but somehow when a call for help went out on the repeater or the landline, people materialized to pitch in. This is the spirit that is worth encouraging and fostering in the years ahead. The technical help available in just about any aspect of radio is there in the club for the asking, and that's what makes TDXS so special.

But was everything rosy?

No, I think we still have a way to go. With the HF bands on the punk, the amount of DX info going out over two meters steadily declined. I think it's precisely during the sunspot minimum when we need the hot poop most! So speak up when you happen to hit 10 meters for that rare 20-minute opening into Africa. I'd like to hear much more "QST" transmissions on two. It seems a lot of times we hear about it only afterwards, such as "boy you shoulda been on 20 long path this morning!" Why didn't that info go out at the time? Well, sometimes it did - but a lot of times the machine was silent.

There seem to be two contributing causes for the silence. The first is easy to cure. It's based upon the fact that a lot of members are already Honor Rollers, and simply don't need much anymore. Many times I've heard somebody put out a rare DX call only to be told that the station is on all the time, is easy to work and that any fool who half tries already has that one on five bands. Bull! Let's try to announce when the PATH is open! If you work a ZS6 on 15, you may already have a stack of QSL's from there, but it means the band is open to that direction. So how about it? I'd like to hear anything at all put out! That particularly applies to the "little pistols" in the area. Work a YU on 40 meters with 100 watts and a vertical! Good for you! Get it out on the air!

The second part of the problem is a logistical one. Lots of clubbers don't routinely have their 2M rig in the shack, it's only out in the car. Now, the repeater is lots of fun everyday on your way to work, but you ought to figure out a way to get it going in the shack! I'd like to see everyone QRV on 2M right from the operating table in '85.

Plans for the upcoming year:

Our job is to create the opportunity for you to enjoy radio more through TDXS. That means coming up with enough events and operating plans to give each member something he/she wants to see. So here are some of our ideas for this year.

1. TDXS Club Effort in ARRL DX Contests.

There ought to be a major effort by TDXS to win the club aggregate gavel in the DX contest this February and March. I think that if we're already a DX club, it's high time we proved it. So crank in those filters and read on!

a.) Why now?

As the spot's decline, we in W5 gain at least a fighting chance against the East Coast. We can make tremendous JA runs that compensate for our problems into Europe. By next year the bands will probably be useless on 10 and 15; this year both have been in pretty good shape when the activity is there.

Also, we have the stations now. Just about everyone in the club re-built from Alicia, and there are several new big-gun antenna farms that will be complete and tested by February. These stations, hard to put up, are even harder to maintain. So this is the year to try.

b.) Why us?

Because this is an event for the WHOLE CLUB!

Big-gun multiop extravaganzas: You built that place for just this type of occasion. You need commitment from a slew of guest ops to show up and help by bringing their skills and their rigs.

DX Honor-rollers: You have an outstanding signal on a couple of bands that you know like the back of your hand from years of listening. This is the perfect opportunity to help a team effort. Can't stand contests? No problem - just get on and put out the word about what signals are where. Better yet, do a single-band effort on your favorite band.

Little Pistols: Operating from an apartment with a vertical and exciter? Offer up your services at a multiop QTH and get a chance to hear what's out there with big aluminum. Can't leave the homestead that weekend cause you're babysitting? Get on and tune, tune, tune! Put out the sigs you hear on 2M.

Wrong mode for you? This is the gimmick we're trying to activate - we want to set up a constant, round-the-clock 2M spotting net on the club repeater. That means having a 2M operator at each station to record and exchange multipliers, band opening, beam headings and so forth. So if you're an SSB fanatic who doesn't know the code, all the better! Put those rubber lips to work on Two. Volunteer for a stint at one of the multiop QTH's, feeding info to the ops at the rigs. Can't stand SSB contests because it's just bedlam? Give your fingers

the weekend off and do the 2M communicating role for a change.

When is it? The DX tests are the third full weekend of February (CW) and the first weekend of March (SSB). Both contests run 48 hours - Friday 6 P.M. to Sunday 6 P.M. Mark 'em down on your calendar and plan to join the fracas. We need you to be enthusiastically behind the effort for this to succeed. Be there or be square!

## 2. Repeater improvements:

I think all will agree the club machine needs some attention. There seems to be no clear consensus as to what is wrong, or how to fix the receiver desensing. Kim Carr (KSTU) has bravely agreed to be repeater chairman. We will be looking into the cause of the problem with renewed vigor. Can it be fixed? We hope so. If not, I believe we will have to try to get a new machine.

## 3. Field Day

Field Day is a strong tradition both in the club and in amateur radio nationwide. We'd like to dream up a format that would keep the club together as a group, yet be a little different from past years. Why change? Well, for one thing because we only seem to compete against ourselves in 3A. Also, it's become such a huge physical and logistical effort that it consumes weeks of time. What alternatives are there? We've sort of ruled out any that involve splitting up the club into small groups. That would be a fine intra-club competition but defeats the purpose of the club group effort. So, here are some possibilities.

a.) Multi-multi-multi-multi-multi-: Perhaps you've noticed that groups entering "16A" and the like usually turn in trivial scores. Perhaps we could shoot for a real high number of stations; we have the antennas for it already and more operating time would be available for everybody. In 3A you're lucky to get four decent hours.

b.) Traditional down-home approach The thing that makes FD such a pain is the phenomenal amount of setup involved. Antenna work takes days of work by a few zealots, and getting RV's rented is a royal pain in the paddle (I did it last year; never again!) I for one wouldn't mind trying a genuine start-up on Friday, with less aluminum and more wire antennas. I bet with a delta-loop and a vertical on 40 we could have just as much fun on the band as we do with a yagi at 70 feet.

c.) More scenic location approach. How about going to an island or the beach or a state park? Open, unshaded fields like we've used for the past few years are great for antenna farms but they're ugly, inhospitable places in June. For the price of the RV rentals, we could rent a beach house on Bolivar Peninsula for example. Or if we can cajole some RV's, how about reserving a bunch of adjacent campsites at Galveston State Park? Our mobile Armadillo Run experience ought to have told us that those mobile whips work out just great.

d.) Intra-club competition: Suppose we pick three teams, and have them draw operating times in one-hour blocks by band and mode. This would be done at the May meeting, and each team would then plan its own antenna/operator/rig strategy to optimize their performance. Maybe 10 and 80 meters could be wild-card bands that any team could hit whenever they wanted to. All three would use separate calls, but we'd operate from one QTH.

4. ARMADILLO RUN

Dennis, KZ5M, will continue to ramrod the outfit for the annual fracas in July on CW. The county Hunters want us to move the event to the previous weekend from their regular contest because they say we sort of take the starch out of the CH contest itself. I feel we ought to stay with the test weekend.

There is also an SSB version of this contest April 27-28. I've been in it for two years, and it's a blast, just like the CW event. Feel left out of the July Run 'cause you can't send 40 wpm bouncing over washboard roads? Tommy, KD5SP and Galen, KB5FU are already talking about a club effort. Let them know pronto if you're interested, and plan to hit the trail. (Please note meeting announcement on page 2 ...ed.)

5. Non-operating events.

a.) Banquet

The January meeting is to be a dinner (see announcement on page 1). I hope you will all plan to attend. With good attendance, perhaps it will become an annual event again.

b.) Meeting programs

Don Busick, K5AAD (who makes a living fleecing the rest of us) has volunteered to coordinate the programs for the club meetings this year. Enclosed in this sheet is a questionnaire Don's prepared. Please fill it out and get it to him either at Madison's or at the next meeting. He thinks he can line up interesting talks by both visiting hams and by reps of the various manufacturers.

c.) Club meetings

Perhaps we ought to have three or four meetings a year that are members-only, and air our dirty laundry about finances, membership, constitution, and so on at those times. What do you think? Also, I've been distressed at the poor attendance at some meetings. A number of members dropped to associate status because they missed so many.

d.) Membership and recruiting

Last year, we decided upon a membership committee, but somehow nothing was ever done. I'm going to make it my number-one priority to get that three-person group established and running routinely. I'd like to see that committee do three things:

- 1.) Establish better defined criteria for membership. I think that a prospective member ought to show a bona fide interest in the club itself, by participating in antenna work, field day, multiop contests, putting DX out on 2M, and things like that.
- 2.) Advise and consent on credentials of new members before the board acts. Let's try to choose this committee to reflect a genuine interest in the club's future. I think this aspect ought to include active recruitment of new members as well. I've seen several prospects over the past couple of years who apparently lost interest because they sensed it to be a closed shop. Well guys, members keep moving away or getting too tied up in business to have any time for radio. The roster has been decreasing of late, and that ain't good.
- 3.) Greet guests at the club meeting and introduce them around, find out what their interests are, and generally do a better job of being hosts to our guests.

e.) Budgeting:

I've obtained a breakdown (or is it had a breakdown?) of club operating expenses during 1984. At the January meeting I'll announce these figures and entertain a motion to allocate this amount again for each category. I think it's high time we set out in each year with some ball park idea of what will be spent.

Finally, I'd like to see us have a lot of fun hamming in '85. That means every member doing what he/she likes best in our hobby - and sharing the fun with the rest of us. Oh yeah - I almost forgot: be careful on those towers, ground everything in sight and have a healthy respect for interlocks! See you around the pile-ups. 73s Bill K2TNO.

THE CONTEST CORRAL (de K5LZ0)

December contest rumors:

ARRL 10 Meter Contest

NR5M with KE5IV and N5JJ had 1500 Q's with 96 mults.

K5LZ0 with an old lady (WB5RUS), a kid (KA5SBS), and an over the hill contester (K5LZ0) had 975 Q's with 87 mults.

KE5FI went single-op/phone only and produced a 1300 Q 96 mult effort from Radio Manville.

January logs due:

CQ WW DX CW due Jan. 15, 1985

ARRL 160-Meter due Jan. 4, 1985

ARRL 10-Meter due Jan. 11, 1985

UPCOMING CONTEST EVENTS

As you can see from the attached listing of 1985 contests, January is chock full of "smaller" contests - enough to get your lips limbered (for the 'phoneys') and your fingers flying (for the nimble digiters). The ARRL QSO party

(Jan. 12-13, phone; Jan. 19-20, CW) is a mini sweepstakes well-suited for those trying to get up to speed on the code (Attn: NR5M) or land a job as a spokesman for Federal Express. January also features the ARRL VHF Sweepstakes, CQ Worldwide DX 160 meter CW contest, and five separate single band phone contests sponsored by 73 Magazine. You can't use the age old excuses "not my mode" or "not my band" in January.

Perhaps appealing to a larger cross-section of members, February's Sprint contests and ARRL DX contest (CW version) are just over the proverbial radio horizon. We'll choose up the Sprint teams shortly and I hope we can get enough interest to field two teams in each Test. It is extremely important to get as much local activity as possible going in these contests. Only 200- 300 contacts is the norm in this 4 hour Test. Separate credit is given for each band on which your contact a club team member. If just 10 extra members helped pass out contacts to our team members, we could increase our club aggregate score by 10%! And THAT could well be the difference between winning it all and (Heaven Forbid!) losing to the opposition. Come on, can't each of us spend 8 hours in February to make TDXS #1 in the Contester's Contest?

And that brings us to the ARRL DX tests...You have read our president's call for a major club effort in the ARRL DX this Spring. 'OK,' you agree, "I'll help...Just what, when, where and how much perspiration will it all take?" Well, to be competitive in the medium club category we'll need 28 million points! And that my fellow paddle-piddler is a mess of mults times a very large quantity of Q's. Below you'll find a rough draft of the game plan as of publication. We need lots of help manning the mults (especially CW) if we hope to win the game. How 'bout it?

STATION	CAT	# OPS NEED	CW QUOTA	PHONE QUOTA
K5RC	Multi-2	6	2.5M	4.0M
K5LZO	Multi-2	6	1.8M	2.5M
NR5M	Multi-2	6	1.8M	3.0M
N5DU	Multi-1	3	1.4M	1.8M
KZ5M	Multi-1	3	1.2M	1.5M
K5RVK	Multi-1	3	.7M	1.2M
K5DX?	Multi-1	2	.2M	.7M
K5WA?	Multi-1	2	.9M	1.0M
?	Multi-1	1	.4M	.5M
?	Multi-1	1	.4M	.5M
		33	11.3	16.7

TOTAL PROJECTION = 28 MILLION POINTS

CW OP SCHEDULE

<u>K5RC</u>	<u>K5LZO</u>	<u>NR5M</u>
K5RC	K5LZO	K2TNO
NA5R	KM5M	KG5U
KN5H	K5TU	NM5L
W5VAH	KA5SBS	NR5M (½)
K5GN	?	N5RP
K5GA	?	N5JJ (or single?)
WA5ZVE	?	N5EA (or at K5RC)



<u>N5DU</u>	<u>KZ5M</u>	<u>K5RVK</u>	
N5DU	KZ5M	W5ASP	
N5AF	K5VWW	KC5M	
N5WW (?)	?	K5RVK	
<u>K5DX</u>	<u>K5WA</u>	<u>?</u>	<u>?</u>
K5DX	K5WA	?	?
?	?		

If your name is listed and you can't or won't, please tell me. If your name is not listed and you can and will (God bless you), I need your name too! Let's show the world that XE2FU was only the beginning.

#### CONTESTING FROM THE TRENCHES

OK! You've just picked up a few new countries in the last DX Contest. You found yourself working a couple of extra G's and DL's and enjoying it. You're almost hooked! You're on track to become a contester.

Contests come in all forms. There are stateside contests, W/VE contests, DX contests, and many more that are sponsored during the year.

Most of us start with a local contest. Maybe the Texas QSO Party or you might choose to operate the N.J. QSO Party and competing against other Texas operators. Usually the competition is not as strong as the major contests, but it is just as satisfying when you put that certificate on the wall.

Next usually comes a bad thrashing in the ARRL QSO Party or Sweepstakes. Then you sit back and ask why you won the N.J. QSO Party but only finished 10th in South Texas section in Sweepstakes? Well that's obvious. In the biggies you're competing against big watts and monobanders.

So back to the drawing board. Santa is soon contacted and you put in your order for 70 feet of Rohn 45, a 20, 15, and 2ele 40 YAGI. January and February are cold months but the tower and antennas go up anyway (look out world here I come). Oh boy, the ARRL DX Contest. Guess I'll go 15 meter single band. No, maybe 20 or 40 would be better. Well let's see, strategy should play a part. RC and LZ0 are going multi. NR5M (or is it NR5D, whatever) is going multi or single op. all band. JJ is all band single op. N5NU (or was it N5DU, guess only HZ1AB knows for sure) will go single op. Let's see, guess I'll try 20, lots of operating time and I can sleep at night.

Time passes...that went pretty well but why didn't someone tell me that ringer in North Texas was going 20 meters. And why do we have to compete with those guys so far north anyway???

Now I think I'll try the Sprint Contest. The winners usually make 300 QSO's so I should get about 250. Uh, oh...it's only an hour into the contest and I'm already 30 Q's behind some of these guy's. Problem must be this moving after every CQ, not to mention trying to get the guys name. Oh well, 175 QSO's isn't too bad. After all, I had to go to the bathroom twice and George took my frequency saying something to the effect that next time I can have it!

By now you realize that not all contests are for everybody and that both skill and equipment play a big part. If you're on a city lot you can only do so well, and if you have a giant station it will certainly help but that alone won't do it all for you. But take heart and remember...it's only a hobby. 73s Chuck K5LZ0

DX DATA (de KC5CP)

(Note: The following report was submitted by KC5M...ed.)

PYOT Trindade, by PYOTE (PY1CR) 14236 net Tuesday and Saturday, soon on 3787 also. QSL via PT7WA.

1S1CK - SPRATLY, Logs for this operation are in the hands of his stateside QSL manager. If you still need a card, try WB0TEC.

TT8CW - CHAD, Documentation has been approved by "Uncle Don" for DXCC credit. This operator is very active and prefers CW.

A61AA - U.A.E., Considerable doubt about this operation. Probably won't count for DXCC. However, work them first and worry later.

CEOAA - SAN FELIX, These cards should be in the mail during mid January. The radio club wanted to avoid the "Christmas Rush" and resulting problems with the international mail system. 73s Frank KC5M

(Note: The following items courtesy of QRZ DX:)

VR6BR - Pitcairn Expected early January by Betty, WD9GQV, who will spend time in novice subbands.

3B9 - Rodrigues Island reported on 21288 around 1700 UTC. QSL via 3B8CD.

SU-Egypt SU1ER often near 3778 around 0445 UTC Fridays.

ZS3 Namibia ZS3E reported on 1824 around 0400 UTC. QSL via K8EFS.

HC8 Galapagos Islands By DK7IX/HC8 expected through Jan. 13.

YJ Vanuatu By YJ8RG reported on 3787 around 0700 UTC.

SQUELCH TALE (de NR5M)

Rumor has it that club member N5NU is sending a new keyer to HZ1AB . . . one that places more weight on the dots .... Some talk around about a club 450

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rig with PL access. 'Course we've all heard this talk before. Comments?!? . . . Several club members are actively exploring the possibilities of mounting a DXpedition to DeSecheo Island (KP5) in early March. As expected, permission for a special use permit has been denied by the Director of the Refuge. An official appeal is underway and the group has its collective fingers crossed....Word from Scotty (of "beam me up, Scotty" fame) is that Radio Manville's refitting is progressing. The dilithium crystals were pronounced fit during the fall contest season and now with new lasers installed on 10, 15, and 40 (soon on 20), the crew may soon dare to brave that elusive frontier, the final (?) 3 db! At last we will have someone to protect the civilized universe from those galactically evil contest mongers from the North.

The following lymric was submitted anonymously by K2TNO (with liberal editing by yours truly):

"Mike-Mouth George is part of a breed  
For whom contesting's more than a creed  
He bought a two - holer  
To be a high - roller  
'Cuz his code lacks the requisite speed."

## TDX CONTEST CALENDAR

Dec. 31 - Jan. 1	ARRL Straight Key Night
Jan. 5-6	ARRL QSO Party CW
Jan. 12-13	ARRL VHF SS
Jan. 12-13	73 Mag 40M SSB, 80M SSB
Jan. 19-20	ARRL QSO Party Phone
Jan. 19-20	73 Mag 160M SSB
Jan. 19-20	Texas QSO Party
Jan. 25-27	CQ WW DX 160M CW
Jan. 26	73MAG 15M SSB
Jan. 27	73MAG 20M SSB
Jan. 26 - Feb. 3	Novice Round Up
*Feb. 2-3	*NCJ NA Sprint CW
*Feb. 9-10	*NCJ NA Sprint SSB
Feb. 9-10	YU WW DX CW 80 & 40
*Feb. 16-17	*ARRL DX CW
Feb. 22-24	CQWW DX 160M SSB
*Mar. 2-3	*ARRL DX SSB
Mar. 23-24	CQ WPX SSB
Apr. 13-14	GAGARIN Cup Compet. (USSR)
*Apr. 27-28	*County Hunters SSB-Phone Armadillo Run (tent.)
May 11-12	CQM CW & SSB (USSR)
May 18-19	ARRL 50MHZ VHF Sprint
May 25-26	CQ WPX CW
June 8-9	VHF QSO Party
June 15-16	ALL Asian SSB-Swirl Party
*June 22-23	*ARRL Field Day
July 6-7	Canada Day CW & SSB
July 13-14	IARU Radiosport
*July 27-28	*County Hunter CW- CW Armadillo Run (tent.)
Aug. 3-4	160M SSB Contest
Aug. 10-11	WAE CW
Aug. 24-25	ALL ASIAN CW
Sept. 7-8	WAE PHONE-VHF QSO Party
*Sept. 14-15	*NCJ NA SPRINT CW-CAN/AM SSB
*Sept. 21-22	*NCJ NA SPRINT SSB-CAN/AM CW
Oct. 5-6	ARRL QSO PARTY CW VK/ZL SSB
Oct. 12-13	VK/ZL CW RSGB 21/28 SSB
Oct. 19-20	RSGB 21CW
Oct. 26-27	CQ WW DX SSB
*Nov. 2-3	*ARRL SS CW HIGH SPEED CLUB CW
*Nov. 16-17	*ARRL SS SSB
Nov. 30-Dec. 1	CQ WW DX CW
Dec. 7-8	ARRL 160M CW
Dec. 14-15	ARRL 10M CW & SSB

\* indicates Club emphasized activities.

