

VE5AA

June 2005

The Feedline

SASKATOON AMATEUR RADIO CLUB



Saskatchewan Centennial Hamfest July 22-24, 2005



Check it out at: <http://www.saskhamfest.com/>



Saskatoon Amateur Radio Club

P.O. BOX 751

Saskatoon, SK S7K 3L7

ve5aa@qsl.net

<http://www.qsl.net/ve5aa>

**Saskatoon Amateur Radio Club
Meetings are held the 2nd Tuesday
of each month September til June.**

**Our meeting location is Alvin
Buckwold School**

715 East Drive – West entrance

Meeting is 0130Z (7:30PM local)

**VISITORS AND GUESTS ARE
ALWAYS WELCOME!**



**ARES
Saskatoon**

NEXT ARES MEETING

Monday, June 20, 2005

7:00 PM

#9 FIREHALL

Annual Field Day Prep.

<http://www.ares-saskatoon.ca/>

NEXT CLUB MEETING

Tuesday, June 14, 2005

ALVIN BUCKWOLD SCHOOL

715 EAST DRIVE

WEST ENTRANCE

BE THERE!

Contests

Jun 11-13 ARRL VHF QSO Party

Jun 18-19 Quebec QSO Party

Jun 25-16 Field Day

Jul 1 Canada Contest

Jul 2 Venezuelan Ind. Day Cntst

Jul 1-3 DL-DX RTTY Contest

Jul 10 FISTS Summer Sprint CW

Jul 10 QRP ARCI Summer Sprnt

For further information on contests
please check TCA, CQ or QST
magazines.

COFFEE

Tomas Cook

Restaurant

Saturdays 9:00 AM

Idyllwild & 24th St.

**Everyone is welcome. Hams,
non-Hams, it doesn't matter.**

**Were there to have good
conversation with good
friends.**

C'mon out and visit!

Saskatoon Amateur Radio Club VE5AA

June 2005

EXECUTIVE

President Ron Sather 384-5093
VE5RMS

Past President Andy Paquet 931-1614
VE5APD

Vice President John Anton 653-0919
VA5RJA

Secretary Terry Shuya 374-4240
VE5HF

Treasurer Al Labbie 373-3188
VE5MDC

Directors

Ned Carroll VE5NED 382-1446
Bob Hilton VE5NFG 652-7014
Per Jacobsen VE5PER 244-5210
Nate Mirva VE5NAT 477-0524

Repeaters

Gus VE5SPI
Eric VE5HG
Al VE5MDC
Ned VE5NED
Executive
Ron VE5RMS

Property

Training Co-ord.

Public Service

Sick & Visiting

Field Day

Elmer

Trailer

Space Club

SARC Net

L.B.L. Rep.

Coffee

50/50 Draw

Feedline

Web-site

Vacant
Herb VE5HE
Ron VE5RMS
Vacant
Bill VE5DN
Ken VE5KRB
Vacant
Nate VE5NAT
Les VE5LPP
Bruce VE5BNC

LOCAL AREA REPEATERS

VE5SK 146.640- Saskatoon SARC

VE5SCA 146.940- Saskatoon

VE5ZH 147.270- 2 MHz offset,
Saskatoon,
Auto Patch

VE5FUN 145.290- Sktn 100Hz tone,
IRLP node 1340,
IPAR, Terrestrial

Net,

Remote base, tied to
VE5CC

VE5CC 146.970- Sktn. Linked 100Hz

Tone

IRLP node 1340 ,
IPARN, Terrestrial Net,
Remote base, tied to
VE5FUN

VE5SKN 145.210- Sktn 100Hz tone,
MARS IRLP node 1350

VE5FS 448.000- No tone access
Autopatch

VE5BRC/1 147.240+ North Battleford

VE5RPA 147.150+ Bellevue to PA

VA5LLR 145.390- Lizard Lake

ATV

VE5ATV 439.250 in 1277.250 out

APRS

VE5RHF 144.390 Saskatoon APRS

VE5YR-4 144.390 Davidson DIGI

PACKET

VE5YR-7 DIGI 145.010 Davidson

VE5HAN DIGI 145.010 Hanley

VE5TH BBS 145.010 Regina

VE5XXX BBS 145.010 PA

VE5MPK-2 Node 145.010 Melfort

VE5MPK BBS 145.010 Melfort

VE5NEP-3 DIGI 145.010 Minichinis

VE5USR-3 DIGI 145.010 U of S

VE5BBS BBS 145.010 Sktn SARC

LOCAL AND REGIONAL NETS

Sask WX 80m 1400Z 3753 Khz

ARES (Sun.) 80m 1430Z 3753 Khz

Aurora 40m 2330Z 7055 Khz
& 0200Z

Manitoba 80m 0000Z 3760 Khz

Montana Traffic 80m 0030Z 3910 Khz

Saskatchewan 80m 0100Z 3744 Khz

Alberta 80m 0130Z 3740 Khz

Laurel Ladies 80m 0200Z 3752 Khz
Sundays

Local Area 2m 0200Z 146.640-

B.C. 80m 0200Z 3729 Khz

Saskatchewan 2m 0300Z 146.970-

Prince Albert 2m 0330Z 147.150+

**(All nets are daily except where noted)
All qualified Hams are welcome to check
into any of these nets.**



SARC General Meeting May 10, 2005

Started at 7:35pm, chaired by vice president John, VA5RJA

1. Accept previous minutes - Motion by VE5LQ, 2nd by VE5HG

2. No business arose out of previous minutes

3. Treasurers Report: Al, VE5MDC

We now have a corporate bank account with the Saskatoon Credit Union. Instead of having a group of people sharing an account as an organization, a corporation actually exists as a legal entity (just like a person) so the government has different requirements for these types of accounts. Closed the old account, new cheques have been purchased, some service charges were waved and the monthly cost is roughly the same as before due to Al's efforts to convince the manager of our non-profit status.

Motion to accept report by Eric, VE5HG, 2nd by Don, VE5LQ

John, VA5RJA announced that Ron, VE5RMS allowed his name to stand as president for another year.

4. Equipment disposal, Al, VE5MDC.

Al, VE5MDC discussed the photo inventory process that the executive went over in the last couple of weeks where it was decided what to sell or keep. In two weeks we will have a members only silent auction. We will have tables set up with equipment, and papers set up in front of each item for members to use to bid. People will be able to write bids until a cutoff time is announced. The auction will be held at 7:30pm on Tuesday May 24th. Al needs volunteers for hauling things in to the school on Saturday the 21st. We will gather to meet for breakfast first, and then go out to the farm.

Eric, VE5HG had asked that this be placed on the Internet, but since it is for club members only, Al suggested we phone all the members instead. John, VA5RJA will make an appeal out on 2m for volunteers. Al will check to make sure we have access to the school on Saturday, Sunday and Tuesday.

5. Hamfest Update: Ned, VE5NED

Everything is moving along nicely. Meeting tomorrow night. Still do not have a commercial display. TCA mentions our HamFest in five places. Registrations are being taken on the web. For \$65 you have access to the flea market Saturday morning, RAC meeting, all seminars and meetings on various topics like Super DARN (Dual Auroral Radar Network), Synchrotron on Friday, and all meals (banquet, Saturday lunch, and Sunday breakfast).. The cost for a companion pass is \$55 (\$10 less) since it does not include a callbook. Saturday pass = \$20 (not including banquet). Saturday banquet only = \$30. The flea market is \$6. Children are free. See the HamFest website (<http://www.saskhamfest.com>) for the definitive breakdown of the fee structure and event details. The Callbook provided is Saskatchewan based and available on Paper and CD. As well there will be a club history CD included. Setup for the flea market will most likely be early Saturday morning. Ken, VE5KRB would rather it be Saturday Morning, and Ned, VE5NED will get back to him on the verdict. Eric, VE5HG asked if Ron, VE5RMS has contacted NTF communications from Calgary yet, and John, VA5RJA mentioned he understood

Ron was waiting for a response from his call.

We still need volunteers for Hamfest.

7. Special Events / Community Service

Field Day is coming up. Need volunteers immediately for June 25 and 26. Ned, VE5NED arranged for the site at Western Development Museum. Bob, VE5NFG is preparing the site setup with regards to number of transmitters and modes of operation. Ned hopes to establish PSK31, and Bruce, VE5BRC may get setup to do satellite work. Need to have signage for Hamfest at the field day, as well as pamphlets for the club.

8. Repeater Update.

Derek, VE5SD is eager to go but is still waiting for crystals to purchase. He is emailing requests to get people together. If he gets no response, he will pick a date. What is most likely going to happen is the frequencies will stay the same. An autopatch will be enabled again. Derek has UHF frequencies. We will also have a good link to the north. The whole set up will be under DTMF code control so people will not have to go to the physical site to configure it. The system will be up 24 hours a day.

9 Alternate Club Location:

No updates. Ron, VA5RON suggested we could use a trailer to use as a site during the summer, and that we could also use a better trailer. Peter, VE5JZ asked if we had approached the Albert Community Center on 12th St and Clarence.

10. ARES update

Still need to get the ID cards done.

Question: is there a delay due to processing for police security? The next meeting will be Monday 17th, 7- 9 with a Canwarn refresher with Bob doing the presentation. There has been limited attendance for meetings lately, only about six per meeting. Ron, VA5RON mentioned someone from Saskatoon should respond to the Regina ARES calls.

Question: What HF frequency would we be using in the event of disasters or power outages such as power lines down. The frequencies would most likely be the net frequencies such as 3.744 or 7.055 for Saskatchewan and 14.140 for Canada wide.

11. Other Business:

Ken, VE5KRB suggested that the club set up a way to gather Dave Glass award nominations.

Ken also suggested that people make reservations for Little Bear Lake now since it is a busy campsite and will be filled up quick.

50/50 Draw won by Eric, VE5HG

Motion to adjourn by VE5HG

Terry Shuya VE5HF
Secretary



APRS and the New Paradigm

The problem

In populated areas, a large portion of the APRS traffic consisted of repeated packets. In many cases these were packets that had already been repeated by other stations and were unnecessary. In other cases they were being repeated multiple times by the same digipeater. We are just beginning to see evidence of this in the Saskatoon area.

The origin is the original implementation of the digipeating algorithms. In particular, any time a digipeater repeats an APRS packet it should add its call sign to the path. In the original implementation, this did not happen in many cases. The effect was that a digipeater had no way of knowing that it had already repeated that packet so it would do it again if another digipeater also repeated it. This is often called the ping-ping effect.

The other situation was stations that were using excessively long paths. In other words, they had a path that they thought would allow their signal to be repeated enough times to reach a very distant station. The problem is that if a signal makes enough hops to travel a long distance in one direction, it will travel that way in all directions. Combined with the first problem, a single packet can generate thousands of digipeated packets in all directions and flood the area with unnecessary traffic.

The solution

- First, stop supporting paths that cause duplication.
- Second, replace excessive paths with appropriate ones.
- Third, define and support only one standard path that will prevent duplication.

These have been implemented on all the digipeaters in the Saskatoon area.

WIDE3-3	This will be digipeated by up to 3 digipeaters.
WIDE2-2	This will be digipeated by up to 2 digipeaters
WIDE1-1	This will only be digipeated once
RELAY or TRACE _n - _n	No longer supported and will only be repeated once.
WIDE4-4	Considered excessive and will only be repeated once.

For example, if you're at Craik and use WIDE3-3, your position will be repeated by VE5YR-4 in Davidson, VE5HAN-4 in Hanley and VE5RHF in Saskatoon and will enter the internet in Saskatoon. If you only used WIDE2-2, you will only be repeated as far as Hanley and may or may not reach Saskatoon.

What does this mean to me? Simple, you just have to ensure you're using an appropriate path. In the Saskatoon area the only three paths that are supported are WIDE1-1, WIDE2-2 and WIDE3-3. Relay is also being supported but it's not supported in larger areas. **It's recommended that you simply set your path to WIDE3-3.**

73, Bruce – VE5BNC

For a much more in-depth discussion, please see the page at this link:

<http://www.ew.usna.edu/~bruninga/aprs/fix14439.html>

LITTLE BEAR LAKE OPEN HOUSE

LITTLE BEAR LAKE Amateur Radio Club OPEN HOUSE

June 10/11/12 of 2005
from 9AM - 10PM.

For further information
e-mail:- littlebear@littlebearlake.ca

For Lodging
LARK'S INN (306) 426-2491
or
LITTLE BEAR LAKE CAMPGROUND
(306) 426-2280
www.littlebearlake.ca

Field Day 2005

June 25 – 26, 2005

1800Z Sat – 2100Z Sun

(Noon Sat – 3:00 PM Sun.)

**Western Development
Museum
Saskatoon**

Family BBQ on Saturday

Contact Ned VE5NED:- ve5ned@gmail.com



Canada Day Contest July 1, 2005

Time - 0000Z – 2359Z, July 1, 2005
(6PM June 30 – 6PM July 1, 2005)

Bands - 160, 80, 40, 20, 15, 10, 6,2m

Modes - CW and Phone (SSB, AM, FM, etc.)

Suggested frequencies - CW – 25 KHz up from
Band edge.

Phone – 1850,3775,7075,7225,14175,21250,28500.

Check for CW activity on the half hour.

Exchange – Canadian stations – RST & Province.
VE0's and Non Canadian – RST & Serial number.

For further information check out -
<http://www.rac.ca/service/infocont.htm>

MEMBERSHIP APPLICATION/RENEWAL



SASKATOON AMATEUR RADIO CLUB INC.
 P.O. BOX 751
 SASKATOON, SK, 57K 3L7

For Office Use Only
 Pd ___ Rcpt ___ Card ___
 A B C D E F

Membership valid from September 1, 2005 to August 31, 2006

NAME:..... CALL SIGN.....

ADDRESS.....

CITY.....PROV.....ZIP.....

TELEPHONE (Home).....(Bus.).....

E-MAIL ADDRESS.....

Would you prefer your copy of "The Feedline" be sent by:- Mail..... Electronically.....

LICENCE: (Please check)

Basic (.....) Advanced (.....) Code (.....)

Occupation (optional).....

Name of spouse (optional).....

Family Members (For Family Membership Application)

(1) Name.....Call Sign.....

Basic (.....) Advanced (.....) Code (.....)

(2) Name.....Call Sign.....

Basic (.....) Advanced (.....) Code (.....)

WHICH CLUB ACTIVITIES CAN WE COUNT ON YOU FOR?

Special Event or Areas of interest to you.

Affiliation (Check where applicable)

ARRL.....RAC.....SARL.....MARS.....OTHER.....

MEMBERSHIP FEES

Regular Membership:

(must be licensed to operate an amateur station).....\$25.00 \$.....

Family Membership:

(one newsletter per family).....\$30.00 \$.....

Associate Membership:

(enthusiasts - not eligible for office).....\$25.00 \$.....

Junior Membership: (under 18 yrs)

(full privileges if licensed to operate a station)..... \$12.50 \$.....

Laminated membership card..(each)..... \$1.00 \$.....

Donations:

(development, maintaining or upgrading facilities (specify).....\$.....

TOTAL REMITTED \$.....

Cheques Payable to : **Saskatoon Amateur Radio Club Inc.**