

VE5AA

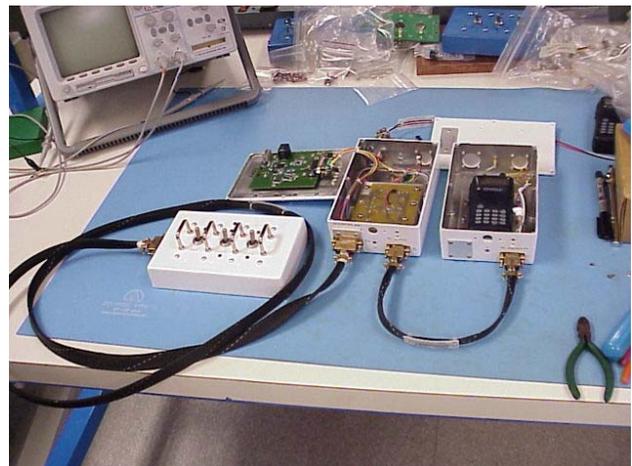
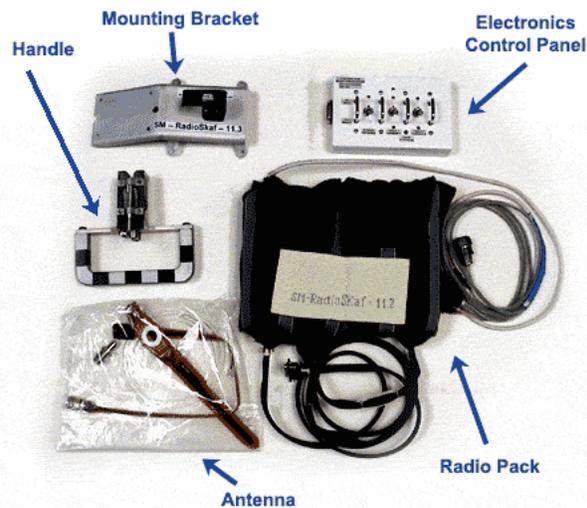
February 2006

The Feedline

SASKATOON AMATEUR RADIO CLUB



SUITSAT-1 RS0RS





Saskatoon Amateur Radio Club

P.O. BOX 751
Saskatoon, SK S7K 3L7
ve5aa@qsl.net
<http://www.sarl.ca/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, February 20, 2006
7:00 PM

#9 FIREHALL
870 Attridge Dr

Call in: 146.640-

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

NEXT CLUB MEETING

Tuesday, February 14, 2006
7:30 PM

ALVIN BUCKWOLD
SCHOOL
715 EAST DRIVE
WEST ENTRANCE

Contests

Feb 4 MN QSO Party

Feb 5 10-10 Winter SSB

Feb 5 Mexico Int. RTTY

Feb 6 YL/OM CW

Feb 12 CQ WW WP RTTY

Feb 11 FISTS Winter Sprint
CW

Feb 19 ARRL Int. DX CW

Feb 23 YL/OM SSB

Feb 26 CQ 160m SSB

Mar 5 ARRL Int. DX SSB

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 and Area Frequencies

February 2006

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, IPARN, 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 Permanently linkd to VA5SV
VA5SV	145.330-	Ridge East of Sktn Permanently linked to VE5LLR

ATV

VE5ATV	439.250 in	1277.250 out	Saskatoon
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APRS

VE5RHF	144.390	Saskatoon	DIGI
VE5BNC-3	144.390	Saskatoon	
		IGATE & SATGATE	
VE5HAN-4	144.390	Hanley	DIGI
VE5YR-4	144.390	Davidson	DIGI
VE5YMJ-4	144.390	Eyebrow	DIGI
VE5ADR-4	144.390	Avonlea	DIGI

PACKET

VE5BBS	145.010	Saskatoon	BBS
VE5USR-3	145.010	U of S	DIGI
VE5YR-7	145.010	Davidson	DIGI

VE5HAN	145.010	Hanley	DIGI
VE5TH	145.010	Regina	BBS
VE5XXX	145.010	Prince Albert	BBS
VE5MPK-2	145.010	Melfort	Node
VE5MPK	145.010	Melfort	BBS
VE5NEP-3	145.010	Minichinas	DIGI

LOCAL AND REGIONAL NETS

Sask WX	80m	1400Z	3753 Khz
ARES (Sun.)	80m	1430Z	3753 Khz
Aurora	40m	2330Z	7055 Khz
		& 0200Z	
Manitoba	80m	0100Z	3747 Khz
Montana Traffic	80m	0030Z	3910 Khz
Saskatchewan	80m	0100Z	3744 Khz
Alberta	80m	0130Z	3740 Khz
B.C.	80m	0200Z	3727 Khz
Local Area	2m	0200Z	146.640-
Saskatchewan	2m	0300Z	146.970-
80m YL Net	80m	0315Z	3755 Khz
		1 st and 3 rd Tuesdays	
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



Saskatoon Amateur Radio Club Meeting Minutes for January 10, 2006

Meeting chaired by Ron VE5RMS

Visitor: VE5LF Paul Florizone. He has been a ham since 1969.

Motion to adopt previous minutes made by Ned VE5NED, 2nd by Ken VE5KRB.
Accepted

Financial Report by AI VE5MDC postponed until next month.

Membership dues reminder. Also recommend that members should renew their RAC membership so that we keep our club insurance rates low. AI VE5MDC has a list of members that have paid up (approximately 48), and he will distribute a copy at the next meeting.

Ham Class (report by Ned VE5NED)

There are about five or six regular attendees. One ham is ready to write. Herb is holding code classes. Warren VA5WDB asked if we had shortened the class. AI responded that we were not able to get any plans from any other clubs and suggested that the cram method does not give new hams a solid understanding in theory, which is not worthwhile in the long run.

Program Ideas.

We are looking for volunteers for program ideas. There was a suggestion that project nights could be on the same night executive meetings are held since we already have the room booked and open. Alternatively we could hold special programs on Thursday during class nights. The club executives will establish dates, canvas over the air, and set up a plan at the next executive meeting. Some program suggestions made were:

Peter VE5JZ - will do a project night on Repeaters

Ken VE5KRB - Remote controlled base loaded antenna project sometime in March. Would also like an evening discussion about stepping motors. How do they work?

Warren VE5WB – possibly talking about aviation systems. (health permitting)

AI VE5MDC– computer applications with regards to amateur radio. Basic computer technology (USB, network, differences between different CPU chips). PSK31, SSTV, high speed packet, and computer generated CW.

Ned VE5NED - QRP project to build a little 40m CW rig

Gus VE5SPI – soldering night. Also possibly have the ham class solder together a code oscillator.

Public Service Events

The Girl Guides Thinking Day event will be taking place February 17th and 18th at Walter Murray Collegiate (WMCI) in both gyms. In conjunction with this event there will be the Guides on the Air event where hams help guides talk to other guides around the world. Ned asked the club for permission to use some club equipment. Derek is a custodian for WMCI and will liaison with the principal and will help facilitate people coming and going. No directional antenna currently exists at WMCI. Derek is not sure the existing equipment works, so we should bring our club radio, antennas and possibly the trailer. We may be able to temporarily put up a tri-band antenna if we get permission ahead of time. Unlike previous years this is not an overnight event. Time to enter the school will likely be 6am at the earliest if Derek gets permission. Ned will verify the ZULU dates and times.

Saskatchewan Marathon coming up in May and we have been approached to help. We need enough volunteers. Gus will contact the organizer to see what he needs to know.

Other Business

The presentation on the RCMP communications system has been rescheduled for February.

We lost exclusive use of part of the 220 Mhz band. It will become a shared band like 40m.

Peter VE5JZ is soliciting people to put names against the faces from the hamfest photo to help identify attendees. Please help fill out this list.

Reminder to make a calendar entry for this year's Little Bear Lake Weekend (Friday through, Sunday) on the first weekend in June. Regarding the break in that took place last year; the girl has paid her share of damages. The boys never showed up in court, but due to further issues have caught the RCMP's attention.

Les VE5LPP – mentioned there are still hamfest callbooks, CDs, and shirts available. There was mention that the committee may still needs to provide Rudy Luukkonen VE5IZ a call book

Ken VE5KRB – Vic Leroy VE5VL is looking pretty good. Al is getting Vic's feedline mailed back due to address unknown. Les now has an up to date address and will provide it to Al (To visit Vic you roughly need to go past Clavet , and after the weigh scales near the Esso fertilizer plant, angle left down the road a bit.)

Gus VE5SPI – was given a repeater which is currently set below 140Mhz band. It is a Motorola crystal unit that we could donate to ARES or use as a second emergency repeater.

Ron VE5RMS – his brother received a couple of AGT UHF mobile phones from a senior's home. Ron will bring them to the next meeting.

Peter VE5JZ – Princess auto has a hand crank generator for charging cell phone batteries. It has three Nimh battery cells that hold up to 4 Volts and costs about \$9.

The West Virginia miner that survived is a ham operator KC8VKZ. There is a suggestion on the QRZ website to send him a QSL card and possibly a few dollars to help his family out. See www.qrz.com to find his call sign posted, and more information about it.

Ken mentioned there is a good DX path open on 3.780-3.790 daily at about 2:30 pm local time.

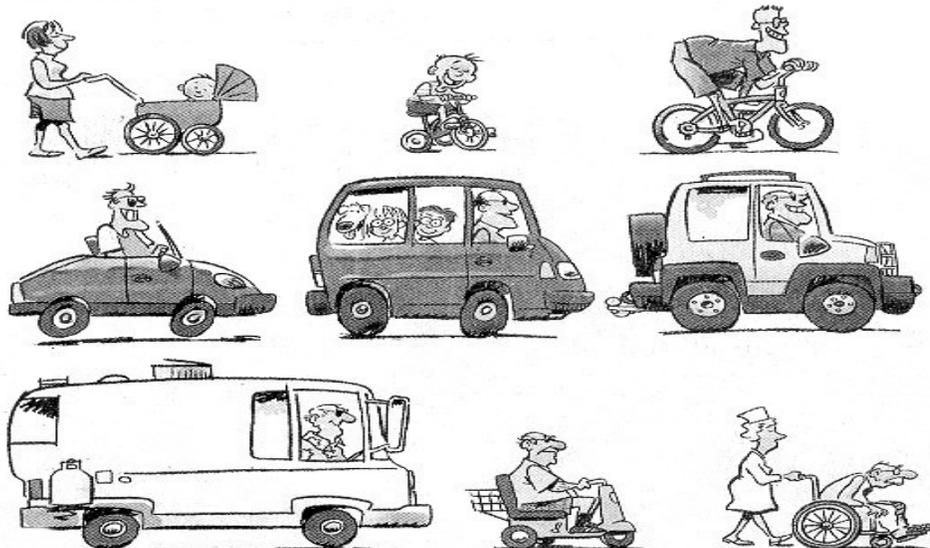
50/50 draw won by Jim - VE5JIM.

Gus VE5SPI – motioned to adjourn meeting at 8:40

Terry Shuya VE5HF
Recording Secretary



The Wheels of Life



THIS IS SUITSAT-1 RS0RS!!

Frank H. Bauer; KA3HDO
Amateur Radio on the International
Space Station (ARISS) International
Chairman
AMSAT Vice President for Human
Spaceflight Programs
NASA Goddard Space Flight Center



Russian Orlan Suit

"This is SuitSat-1 RS0RS!!"

These words will echo from space in the near future, inspiring students, exciting ham radio operators and touching the world.

If all goes as planned, a unique Extra-Vehicular Activity (EVA)—or Spacewalk will be conducted on the International Space Station (ISS) in early February 2006. During this spacewalk, the ISS crew will push a Russian spacesuit overboard—with no humans in it, of course! But this Spacesuit holds the hopes, dreams and creativity of students around the world. And for a week or two, this Suit-robot-satellite

will take on a life of its own---parroting students voices from around the world, voicing down suit health telemetry and sending a special commemorative picture to all who want to receive it.

Suitsat-1 (also called Radioskaf or Radio Sputnik in Russian) mission activities will be conducted on the amateur radio (ham radio) frequencies, a bit above the FM broadcast band. The voice signals can be picked up with ham radio receivers and FM VHF (Very High Frequency) scanners—like police-band scanners.

Students, scouts, teachers, ham radio operators, and the general public are encouraged to track the space suit, hear the conversations from space, copy the suit telemetry and capture the picture. A special certificate will be distributed to those who receive the voice signals and those who capture the picture. We also will have a special award for those students who receive the "special words" that are embedded in the messages from our SuitSat student "crew members." These special words are in different languages---English, French, German, Spanish, Russian, and Japanese. So you are encouraged to record the SuitSat downlink audio and get help from fellow students who know these languages.

Also included in this spacesuit is a computer Compact Disk (CD) with images of over 300 items collected from schools and educational organizations around the world. These include creative works of art from students as well as student signatures, school or scout logos, and class or group pictures. Students,

schools and educational organizations that participated in the development of this disk earlier this year will all be part of the SuitSat spacewalk---as their creative works, signatures and pictures all float in space!

The following will provide more details on the Suitsat-1 mission and provide you information on how you and your school can participate.

<http://www.amsat.org/amsat-new/articles/BauerSuitsat/index.php>

Hello SARC

During an idle moment, I keyed my father's old call sign (VE5RJ) into my computer and up came some info about the SARC. I consequently discovered that *Robert Ediger* presently holds this call sign and thought he might like to know a bit about a former ham that held this call sign at one time.

My father, *Ronald P. Marchant*, came to Saskatoon from Regina in 1934 along with a group of motion picture projectionists who took over from the local theatre union which had become troublesome to the theatre chains and had been fired en masse. Dad was the Chief Projectionist at the original Capitol Theatre on 2nd Avenue across from the Daylight Theatre from 1934 until his retirement in 1969. He became interested in amateur radio during the 30s and became a "ham". He was to continue in radio until the mid '50s, when he finally gave up the hobby and became more interested in pursuing music as a hobby.

We always had a large "Yagi" antenna towering over our house and before TV came to Canada, we often had folks ringing our doorbell to ask if we were receiving transmissions from the States on a TV set. We lived in Mayfair until 1950 then moved to Nutana. A close friend of dad's was

Carl O'Brien (VE5OB) who was the chief engineer with radio station CFQC at the time. Another close friend was Fred Hodge from Elstow, Sask. I think his call sign was VE5FT, but I'm not sure.

The Star Phoenix did a ham radio photo story about dad back in the late 40s and a newspaper clipping of that article is still in our family album which my sister in Saskatoon has in her possession.

My mom, Florence Marchant, held the call sign VE5FL during the '30s as well, but gave it up during the 1940s to concentrate on raising my sister and I.

Dad passed away in 1987 at age 84 and mom in 2002 at age 95. I find it comforting to reminisce about those earlier times and though I have never taken up amateur radio myself, I am at present learning Railway Morse Code for my own hobby, volunteering at Calgary's Heritage Park Historical Village which has 3 original railway stations serving an operating live steam railway. Telegraphers are set up in these stations during our annual Railway Days event to send and receive messages with each other for the educational benefit of the Park visitors. I plan to take part as a telegrapher this year. It should come naturally to me after all the years I listened to dad sending CW, although it was a slightly different code than the American Morse used by railways.

I tried to locate my father in the photo on your SARC website of the 1950 Hamfest but was unsuccessful. I'm sure he would have attended but may be standing at the back slightly behind someone.

Thank you for taking the time to read this and if you think Mr. Ediger would be interested in the info, please pass it on. I would appreciate it.

73s Donald Marchant
Calgary.

Operating the Amateur Station (Part 1)

Over the next few months we will be publishing the section, "Operating the Amateur Station" from the RAC Operating Manual. I would like to thank RAC and the editor of the manual, Doug Leach VE3XK for giving us permission. Ed

One of the first things an amateur should learn is to become a good listener. The amateur should never transmit on the air without taking a few minutes to listen on the receiver, to avoid causing interference to a contact already in progress on the frequency.

4.1. COMMON TERMS

4.1.1 "Working" "Worked"

The term "working" is often heard in amateur radio. It generally has the following connotations:

A station is said to be "working" another station when communication has been established and information is actually being exchanged. In this sense, "working" may be considered as a synonym for "communicating with".

An operator is said to be "working" his station when he is actually controlling the station and performing the transmitting functions. In this sense, "working" may be considered as a synonym for "operating" or "controlling".

A visitor to the station who is not the holder of an appropriate radio operator's certificate cannot be said to be "working" the station; he is merely talking into the microphone or typing on a computer keyboard or typing on teletype keys as a third party and is not in control of the

station.

4.1.2. "Phone", "CW", "RTTY"

The terms phone, CW, and RTTY are used by amateurs to refer to radiotelephone, radiotelegraphy and radioteletype, respectively.

The use of CW (from the term "continuous wave") for radiotelegraphy needs explaining. Although it is true that the use of radiotelegraphy is not continuous, i.e. a series of on-off pulses of differing length, there is a historical explanation.

In the early days of radio, the only method of radiocommunication was a system using spark gap transmitters. The transmitted wave form was damped, i.e. the wave form amplitude was initially high and gradually decayed. The problem with this waveform was that it occupied enormous amounts of spectrum. As radio technology progressed, discovery of continuous wave circuits permitted the construction of transmitters that would occupy much less bandwidth. As a result, different transmitter locations could be assigned different frequencies.

This type of transmitter used a "continuous wave" to transmit the signals. Thus CW, the common term for radiotelegraph refers to the continuous nature of the wave transmitted.

4.2. RESPONSIBILITIES

The licensee of an amateur station has certain responsibility in connection with its operation. They are not onerous but important, especially if amateurs are to uphold their enviable reputation of being law-abiding and self-policing. Let's each do our best to maintain this image.

4.2.1. Control of the Station

Perhaps the most important thing is to remember is that licensee is responsible for the operation of his station. For instance, the licensee should ensure that the station is operating within the amateur allocations, or while operating phone that the transmitter is not over modulating. In addition, the amateur should ensure that the station's equipment is in good technical repair.

As the person in control of the stations, the licensee should brief anyone who is participating in the operation of the station, but is not qualified to do so, on what is acceptable and unacceptable language while communicating with another station. For the most part, these are common sense rules.

4.2.2. Producing the Station Licence

Section 38 of the Radiocommunication Regulation states at the request of an inspector appointed pursuant to the Act, the licensee of a radio station must show the radio authorization or a copy thereof to the inspector within 48 hours after the request.

4.2.3. Updating of the Station Licence

Section 14 of Radiocommunication Information Circular 2 (RIC-2), states: "*The holder of an Amateur Radio Operator Certificate shall notify the Department within thirty (30) days with respect to a change of mailing address.*"

Please note that this refers to a MAILING address and that it is not an option but **a requirement**.

Postal address changes should be forwarded to:

Industry Canada Amateur Radio
Service Centre
P.O. Box 9654 Postal Station "T"
Ottawa, ON
K1G 6K9

Or:

Contact the Industry Canada Amateur
Radio Service Centre at:
Phone: 1-888-780-3333 (toll free)
Fax : (613) 991-5575
E-mail: spectrum.amateur@ic.gc.ca

February Meeting

R.C.M.P. Communications System.

Cameron Bruce from the R.C.M.P. Informatics Section will be giving a talk on their new communications system.

WANTED

I live in Saskatoon and I'm trying to build a very basic antenna tuner for shortwave DXing and I'm looking for two 365pf (or thereabouts) variable capacitors. Are there any places in Saskatoon I could try where I might be able to buy something like that?

Thanks! Glen Reimer
glenreimer@sasktel.net