



# The QSO

October/November 2003

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

Volume 2003, Issue 3

## Fall Antenna Projects Anyone?

Devon Racicot VE5DWR (Editor)



Well as you can tell by the coolness of the weather outside and the turning colors of the leaves, fall is upon us, and the time has come if you plan on changing or installing any antennas! Personally I haven't got my "round to it" working yet so I will be "antenna-less" for yet another winter, unless things change dramatically - and soon.

I had thought about putting up a vertical to ease the pain of the long winter and that may happen yet. It is a shame that my fifty-six foot Delhi sits under my deck...just begging to have a newly dug hole to call home. E-r, uh, yeah, my shovel is broken, yeah, that's it!

By now, the new SARL Executive will have settled into their new positions, as the same with many other clubs across Saskatchewan. In this issue of *The QSO*, you will learn about the planned updates to the SARL website as well as other new initiatives.

As was discussed at the Annual General Meeting, more "on-air" meetings of the SARL were discussed and I personally believe these are a great idea. Having not been a part of the organization and the way it used to work, it would be interesting to hear plans being made in progress, instead of just seeing the result afterwards. Make sure you check the meeting schedule on the web site to see when and where to listen to the next meeting!

I want to take this opportunity to thank Bj. Madsen VE5FX, Wayne Thompson VE5DWT, Randy Canning VE5QU, Derek Bereza VE5SD and Randy Westby VE5DFC for taking the time to submit articles for the previous issue of *The QSO*. Without articles from the different areas, nobody knows what is happening around our great Province! I can only find so much on the Internet.

I have had several great comments about the last issue and hope to make some further improvements as time goes on.

This issue of *The QSO* has been mailed to past members and new hams in order to promote membership in SARL and involvement. We hope you enjoy it "on us" and that you will think about becoming an SARL member in the near future. Get involved! We NEED you.

Once again, remember all unsolicited articles are accepted as well as "letters to the editor." I would like to see an ongoing column with response from Amateurs across the province on new and ongoing issues.

73 de Devon VE5DWR

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**The Saskatchewan  
Amateur Radio League**

The QSO

**The Fine Print**

The QSO is published on a regular basis for the membership of the Saskatchewan Amateur Radio League (SARL). The purpose is to provide Saskatchewan and other amateurs, and those interested in radio communications and electronics, with information on matters related to the science of communication. Unsolicited articles, reviews, features, letters to the editor, criticisms, photographs and essays are welcome. Manuscripts should be legible and include the name and address of the contributor. A signed article expresses the view of the author and not necessarily that of SARL.

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SARL and the editors of the QSO magazine, also reserve the right to edit any submissions to the magazine to preserve space, fix spelling mistakes and make grammatical changes or any other reason.

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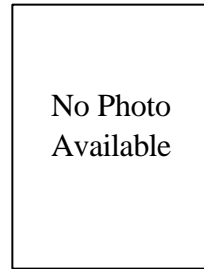
**2003 – 2004 Executive**

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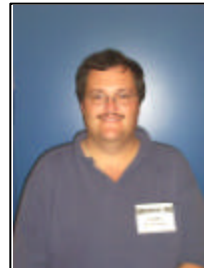
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## From the President's Desk

Derek Bereza, VE5SD



With the hot summer completed, the new school year beginning and the winter fast approaching, it is time to get those last minute antenna projects completed.

Many of the amateur radio clubs have begun their regular meetings again, as well amateur radio classes will be in full swing shortly. We would like to hear from you and your clubs about what you are doing and if you are having Amateur radio classes.

One of the different "hats" I have volunteered to do is being a RAC Assistant Director for the Mid-West Region. So if you have any questions, concerns, suggestions or anything to do with Amateur Radio on the National Scene, please drop us an email, letter, or a phone call. If I do not have an answer, I will seek out someone who does!

I was excited to hear that the RAC Youth Education has chosen a Saskatoon high school - Walter Murray Collegiate Institute as one of the schools selected for the program. Being that I work at this school, I find it an honor and challenge to help out with the implementation of amateur radio in the curriculum. Both the Saskatoon Amateur Radio Club and the Meewasin Amateur Radio Society have expressed interest in supporting this initiative.

As mentioned in the last QSO I have a vision of where I would like to see SARL go in the future. Some of the ideas people have suggested to me as well as a few of my own is as follows:

- ?? Increase the membership base in the hundreds
- ?? Be a provincial organization that has members in all the areas of the Province that has representatives from the different clubs, associations and Individuals.

- ?? Revise the constitution and bylaws to streamline the organization to be as effective and efficient as possible.
- ?? Build on the QSO newsletter to make it not only a first class publication, but have it also pay for itself and generate funds for projects.
- ?? Utilize the website to showcase amateur radio in the province.
- ?? Establish an email list that will be used to communicate happenings locally, provincially, nationally and internationally.
- ?? Establish scholarships that young people can benefit from.
- ?? Build on the role of ARES and CANWARN
- ?? Have a membership dues structure that is low cost and has many benefits of belonging.

The list goes on. More in the next newsletter.

### RARA Flea Market

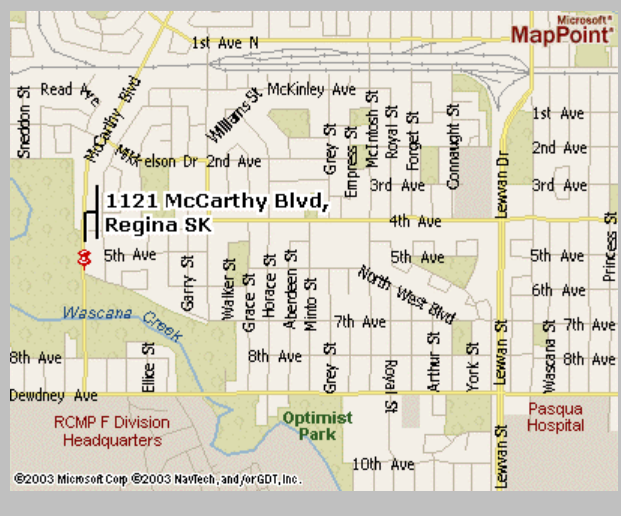
November 1, 2003

9:00AM to Noon

SGI Claim Centre

1121 McArthur Blvd. North  
Regina

Thanks to SGI for their continued support  
of Amateur Radio!



## Western Days Parade, LARA Volunteers

Wayne Thompson VE5DWT

On August 9th, 2003 the Lakeland Amateur Radio Association supplied communication and traffic control for the Western Days Parade in Christopher Lake Sask.

After the parade a special event station was set up at the Lake Country Cottage Restaurant where many contacts were made on 20 metres and also 2 metres employing the system called the IRLP. Much interest was shown in Amateur Radio and the ability to have World Wide communication with only a handheld and a local repeater, as well as the use of high frequency. Those involved in this exercise were Randy VE5QU, Harry VE5HFH, Bob VE5MY, Debbie VE5DEB, Roly VE5RO, Wayne VE5DWT.

## Ham Radios came to the Rescue in a Blackout

Stephen Singer, Associated Press

HARTFORD, Conn. - When technology failed on a massive scale last week, some old-fashioned broadcasting stepped into the breach as ham radio operators took to the airwaves to reach emergency workers.



For millions of people in the Northeast and Midwest, the Aug. 14 outage took access to e-mail and the Internet with it.

Landline and cellular telephones were jammed by a crush of calls.

But the ham radio, which came into being in the World War I era, connected firefighters and police departments, Red Cross workers and other emergency personnel during the

most extensive blackout in the Northeast since 1977.

Ham operators are not dependent on a server or cell tower, and with battery backups can operate when grids can't.

"When everything else fails, the ham radio is still there," said Allen Pitts, a ham operator in New Britain. "You can't knock out that system."

The radios are operated by a network of volunteers organized by the Newington-based American Radio Relay League (ARRL).

Ham radio's importance won renewed recognition after the Sept. 11, 2001, attacks. ARRL won a federal Homeland Security grant of nearly \$182,000 to train amateur radio operators in emergency operations to help during terrorist attacks.

"It's incredible the differences you're seeing, the large cadre of people who know what they're doing," Pitts said. "It's making a major difference."

Tom Carrubba, a coordinator for ARRL in New York City's five boroughs and two counties on Long Island, said volunteers went to work immediately after power went down Thursday afternoon.

"In five minutes guys were on the air with the Red Cross and Office of Emergency Management," he said.

During other disasters, such as severe weather, ARRL volunteers and coordinators activate telephone trees, Carrubba said. On Thursday, they instead hit their assigned frequency or staffed an emergency operations center.

In the New York-Long Island region, with a population of nearly 10 million, about 100 ham radio operators handled the situation, Carrubba said. Some volunteers headed to a Red Cross headquarters or shelter, fire



department, or hospital, he said. One hospital was temporarily out of power and ARRL volunteers provided communications to ambulances until electricity was restored.

Carrubba estimated that operators handled 800 to 1,000 communications from Thursday afternoon until early Friday.

### **ARES Saskatoon**

ARES Saskatoon has a new web site.

Please check it out at:

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

## **Dufferin County Ontario Communications...Not in the dark !**

Paul Chantree, VE3PWZ

Thursday August 14<sup>th</sup>, 2003 will be remembered by many, especially the Dufferin Amateur Radio Emergency Service.

At 4.15pm there was the usual chatter on the local repeater, VE3ZAP, 146.685 from amateurs on their way home from work. However, today's chatter was more urgent in tone. Reports had begun to filter in that a major power outage originally starting in New York State, had now filtered into Ontario, and power was out from Windsor to Barrie. By 4:30pm. it was evident that the power outage was far more widespread.

At 4:45pm. a net control station was established and instructions were given by the A.R.E.S. emergency coordinator to activate the Dufferin A.R.E.S. fan out and to contact the County Administration to see how we could provide assistance. Dufferin County Administration requested our assistance after they realized that most phones in the area were not working. Where cell phones were still receiving a signal lines were jammed and therefore were of no use. After the initiation of the fan out a net control was established and an operator was dispatched to the administration offices for further instructions.

In the meantime, another group of Dufferin amateurs began to take charge of ensuring the repeater stayed up. VE3ZAP has a back up system of 16 deep cell batteries enabling it to stay in operation for at least 10 to 12 hours before a recharge is required. Notwithstanding this, an operator was sent to the repeater site with a 3500 kilowatt generator who hooked it into the battery system to maintain a constant charge. At the same repeater site we also have a UHF repeater, VE3DRC, on 443.625, which also is on the same back up system.

Back at the County Administration an Emergency Operation Centre was set up with an amateur taking instructions from those in charge at the center and passing traffic accordingly, which included dispatching operators all around the county to staff the emergency response offices, such as fire halls, hospitals, senior citizens homes and ambulance dispatch stations.

Some time ago a dual band radio was installed at the County Emergency Office, which was now being used as an EOC. This proved to be very useful as county officials and decision makers were able to listen to traffic. At about 6.30pm. The Dufferin Hospital, Headwaters reported that they had lost their generator along with phone lines. Through the amateur stationed at the hospital we were able to pass traffic to a station who was able to make a land line to the power generator company, who in turn dispatched service personnel. However, it was going to be at least an hour before they arrived.

The Dufferin A.R.E.S. had a spare 5000 kilowatt generator that was delivered to the hospital to assist with the supply of power to the intensive care unit. We are now well into the blackout and fuel becomes an issue. Not for long as the county opened up its works department and supplied us with fuel so that the communication generators could be kept running.

We also had a request by Red Cross to man the local Red Cross office. which we did.

By 7:20pm. all requests by the county to position an operator at all the vital locations had been fulfilled. We had the man/woman power and enough gasoline to carry us through the night if requested to do so.

By 8:30pm. the hospital generator was back in service and some power had been restored within the community.

At 11pm, the Dufferin A.R.E.S. were instructed to stand down.

A total of 14 amateurs took part in the emergency. The repeaters and all amateur equipment performed 100%. Some 360 km away another Dufferin Amateur was vacationing on lake Nipissing and he quickly hooked up his mobile Hustler 40 metre antenna system and checked into the Trans-Provincial Net which had just started to take checkin's and any emergency traffic.

A second Dufferin Amateur was camping in Goderich also checked into Trans-Provincial Net. Both were ready to assist in any communications if required. Emergencies recognize no boundaries. Dufferin County that day was active and available, even outside of its borders.

Could we have done things better? Of course, and that is why we have held a de-briefing meeting to discuss the events of the power outage.

### **B.C. Premier Thanks Hams**

QSO Staff - RAC Website

The following is an excerpt from a recent press release by BC Premier Gordon Campbell.

"Volunteers from across B.C. have been tremendous in reaching out to help residents who've been forced to leave their homes, and

providing support to local officials who are striving to move families quickly and safely.

I want to thank all the public servants and volunteers who have given so much to help. The situation remains critical, and will continue that way for many days to come. As firefighters carry on struggling to contain these blazes, it's important that the public continue to assist as they can, accept direction from local authorities, and take extraordinary care to prevent further fires.

Amateur radio operators continue to provide critical communications links, as phone lines are down and cellular coverage intermittent. Search and rescue volunteers have been instrumental in door-to-door notification of residents of evacuation alerts and orders."

An estimated 2,000 volunteers are now supporting B.C.'s firefighting efforts by providing help to those who have been evacuated as fire and weather conditions remain extremely volatile across B.C.

### **Saskatchewan 2M Net**

Monday & Wednesday Evenings

9:00PM

Saskatchewan Network

IRLP Reflector #9300

### **Saskatchewan Hamfest**

Did you know that the Hamfest for 2004 has not yet been bid on by any Saskatchewan Club? Do you think your club would like to host the event?

Have your club send a letter of proposal to:

Saskatchewan Amateur Radio League

C/o 3922 Centennial Drive

Saskatoon, SK

S7L 5L1

ATTN: Hamfest

## MS Bike Tour 2003, LARA Volunteers

Wayne Thompson VE5DWT

On September 20<sup>th</sup>, 2003, the Lakeland Amateur Radio Association did communications for the MS 2003 Bike Tour at Waskesiu Lake, Sask. The Tour consisted of approximately 130 cyclists, the route was from the Waskesiu lake hall out to the highway junction at LT's Gas checkpoint, then back to Elkridge Resort to the putting green checkpoint, then back to the Waskesiu Lake hall for lunch, out to the Hart Lakes Marina and a kayak challenge, then back to the North Shore Road checkpoint and back to the hall at Waskesiu Lake - approximately 62km in all.

The Lakeland Amateur Radio Association had operators at each of the checkpoints as well as a Base Station at the Waskesiu Lake Hall, there were also operators in the repair truck and the Sweep Vehicle checking that all cyclists returned safely. Only one incident happened during the tour and it was looked after quickly and professionally by two nurses and our Amateur Radio Emergency coordinator Randy VE5DFC who was riding in the tour.

The Amateurs involved with communications were Roly VE5RO, Harry VE5HFH, Keith VE5HKC, Bob VE5MY, Randy VE5QU, Wayne VE5DWT. An enjoyable day was spent by all who took part, and the weather cooperated as well.

The Lakeland Amateur Radio Association would like to thank Erin Kuan of the MS Society for the invitation to take part in this event and congratulate Erin and her associates for a well-run event.

## The RAC Report

Bj. Madsen VE5FX (Midwest Director - Radio Amateurs of Canada)



With the closing of the WRC2003 conference and the potential for changes brought about by this conference, things have been quite active at RAC recently. VP Jim Dean has been

very busy getting ready for the CARAB (Canadian Amateur Radio Advisory Board) which is meeting with representatives from Industry Canada on October 22.

The schedule for this meetings includes discussion on:

1. What to do about the Morse code requirement
2. Examination of possible re-vamping of the exam contents
3. How to handle the new four-character suffixes which may now be permitted.
4. Possible grandfathering considerations for current BASIC licence holders.
5. Presentations about the Youth Education Program.

It is interesting to note that about two-thirds of responding Canadian hams favour dropping the current Morse code requirement for access to HF. The majority also favour revising the exam for the BASIC license.

For detailed information on the Morse survey, see: <http://www.rac.ca/news/msurvey.htm>.

Is the ham exam too hard? Nine (9) year old Aruni Perera of Winnipeg just received her Amateur Radio License, making her Canada's youngest ham. She studied up using the IC exam generator software as a study guide.

The RAC Youth Education Program is now under way, with several schools accepted into the program. These include Walter Murray Collegiate in Saskatoon, applied for by Brian Walter, VE5DR. Can you help the schools and the program? Do you have surplus equipment that could be used? Do you have expertise that you might be willing to share? Can you or your club contribute funds? Why not make this very worthwhile undertaking into your club project?

For more information, see the RAC Website for a link to the program <http://www.rac.ca>. Or

give me a call at 873-4346 or an E-mail at [ve5fx@rac.ca](mailto:ve5fx@rac.ca).

Are you aware of the Industry Canada initiative underway, looking at towers and antenna structures? There is a fairly detailed Website relating to this issue, which provides you with information and invites your input on tower issues in the form of a questionnaire.

See <http://www.antennareview.ca>

## The VE5QU Repeater

Wayne Thompson VE5DWT

On June 7th the Lakeland Amateur Radio Assoc. installed a repeater at the Elk Ridge Resort. This repeater is experimental at the present time and also is a stand alone repeater not connected to our system. In the event that it proves to be an asset it will be connected to the system and become part of our local network. The repeater has a footprint of approximately 40 miles around it so it will serve a big area. The repeater can be accessed on the frequency of 145.350 with a negative split and a callsign of VE5QU. Anyone traveling in the area should feel free to use this repeater and give us some feedback.

Amateurs involved in this endeavor were Randy VE5QU, Dave VE5DJR, Harry VE5HFH, Wayne VE5DWT.

## Regina IRLP – Back Online

Regina Amateur Radio Association - The Guywire

The IRLP node has been relocated to the T.C. Douglas building with the space and Internet connection courtesy of the Sask. Health Dept. Emergency Services people. It is located in the same room as the emergency HF and VHF station there. It is operating with a temporary UHF antenna on the link so the signal may be slightly noisy until the permanent beam is installed.

As previously, IRLP locations around the world can be accessed through the VE5WM repeater.

Many thanks to Garnet Matchett, VE5GPM for his help and also to the IRLP gurus, VE5BAR and VE1KS without whom the node wouldn't be operational.

### From Last Issue

As mentioned in the last issue, numerous photos are available from the Lizard Lake repeater installation  
Please visit:  
[www3.sk.sympatico.ca/dracicot/lizardlake](http://www3.sk.sympatico.ca/dracicot/lizardlake)

## ARES Saskatchewan

Randy Westby VE5DFC (Section Emergency Coordinator)



ARES Regina provided excellent service to the MS Bike Tour this year in the Regina area. The operators, riders and volunteers survived the 39 Degree temperatures to help the MS Society to raise money to help in the fight to find a cure for MS.

ARES Prince Albert and The Lakeland Amateur Radio Association did an excellent job for the Waskesiu MS Bike Tour. We even managed this year to get through the ride without any rain.

On a personal note, as one of the riders in both of these MS Bike Tours this year I would like to thank the ARES Regina and ARES Prince Albert & LARA volunteers for their participation. They provide an excellent service for us while we were peddling around. We look forward to next year's rides.

EC Garry McCallum, ARES Saskatoon, has spent a lot of time creating and maintaining a new website for ARES Saskatoon. Check out the new website at <http://www.ares-saskatoon.ca>.



## Regina Public Service News

Regina Amateur Radio Association - The Guywire

The next public service event is the Jingle Bell Run on Nov. 2nd. Contact Terry, VE5TLW if you can assist.

The annual Santa Claus parade will take place Nov. 23rd. Contact Bill Wood, VE5EE if you can assist on this one.

By now all those who volunteered for Grey Cup duty should have had their pictures taken for their ID cards and have attended orientation sessions. On the Taylor Field end of things, the next Roughrider game will serve as a dress rehearsal for Grey Cup day.

### SARL On-Air Meeting

October 12, 2003  
IRLP Reflector 9300, Channel 5  
NCS Derek Bereza VE5SD

## Saskatchewan Swap & Shop

Larry Sedgwick VE5VR

For October 3, 2003

### WANTED:

1. VE5ACJ: Wanted...YAESU FT-101E parts radio, working or not... Must be COMPLETE VAL @ 306-693-6127 or valve5acj@sasktel.net..21/09/03
2. VE5FX: Wanted VHF SCANNER, in good condition. Bj @ 306-873-4346 or ve5fx@rac.ca...06/04/03.
3. VE5DA: Wanted CONTROL BOX FOR HAM " M " ROTOR, working or not. DOUG @ 306-789-3213 or appld@sasktel.net...03/06/03.
4. VE5JCJ: Wanted a GAP TITAN DX vertical ANTENNA in excellent working condition JOHN @ 306 751-4842..04/09/03
5. VE5RC: Wanted;  
a) one 0 - 50 vdc panel meter, would consider 0-30 vdc as well.  
b) One 0 - 1 amp dc ammeter, panel mount

c) SIX...SCHOTTKY DIODES

BRUCE ... rattray@gpfn.sk.ca.

6. VE6QLL: Wanted...VERTICAL

ANTENNA...that does not require radials such as CUSHCRAFT R5 or R7,MFJ,GAP or HY-GAIN AV-620

ROY @ 780-672-2901. Or bfknixon@telusplanet.net..16/09/03.

7. VE5LI: Wanted...2-MTR REPEATER CONTROLLER, good used, such as LINK COMM RLC4 or equivalent. DICK @ 306-674-2239

### FOR SALE:

1. VE5KS: 1) YAESU 301 COMPLETE STATION of Radio, Power Supply, Monitor Scope & Phone Patch...\$250.00  
FRED - fhinck@sk.sympatico.ca...06/04/03.
2. VA6MM: 1)YAESU FT-1 HF TRANSCEIVER...\$650.00  
2) KENWOOD TS-60 6-meter transceiver...\$625.00  
MACK @ 403-288-2046 (weekends) or 403-932-5778 (weekdays)...06/04/03.
3. VE7OVE: 1) 4-ELEMENT 2-METER QUAD...\$25.00 2) MOTOROLA MRS POWER SUPPLY, intended for repeater stn, 36 amps @13.8 vdc...\$100.00  
KJELL @ 250-752-9617
4. VE7VO: 1) KENWOOD DYNAMIC HAND MIC,600 ohms,8-pin, up/down Scan,Used on TS-930...\$50.00 2)KENWOOD MC-35S HAND MIC, noise-cancelling, 50 kohm,4-pin,used on TS-120..\$50.00  
LEN @ 250-468-9902 or ve7vo@rac.ca.  
Would prefer by email as he is hard of hearing.
5. VE5JLO: DELHI 64-FT TOWER WITH NEW BOTTOM SECTION, on ground ready to go, mounting stubs & all nuts/bolts.  
JERRY @ 306-549-2297 or berryhill@sk.sympatico.ca...24/05/03
6. VE6BV: 1) HY-GAIN TH6 DXX....6 element TRI-BAND BEAM, completely refurbished with new hardware & all new plastic caps...\$300.00.  
2) CDR HAM 3 ROTATOR, degreased & in 100% working order... \$200.00

3) HEATHKIT SB-220 LINEAR AMPLIFIER, low voltage keying modification, excellent condition... \$740.00  
 HELMUT @ 403-279-9153 or ve6us@rac.ca...09/09/03.

7. VE6FET: 1) YAESU FT757GX,H.D. POWER SUPPLY WITH SPEAKER & HAND MIC, new in 1981...\$400.00 2) FIBREGLASS POLE - COLLAPSIBLE, extends from 10 to 30 feet... \$75.00 OBO.

3) HOMEBREW SCREWDRIVER ANT...10 to 80 meters, operates on any voltage between 12 to 28 vdc... \$100.00 OBO.  
 ED @ 780-872-0622...07/09/03.

8. VE6QLL: 1) FORCE 12 10 ELE BEAM for 15/17/20 meters + 300 ft of good co-ax....\$1000.00 2) FORCE 12 7 ELE BEAM for 10/12 meters + 150 ft of good co-ax.

3) HAMMARLUND HQ-145 RECEIVER, 540 khz to 30 mhz...\$150.00 4) NATIONAL HRO 50T RECEIVER, 1.5 to 30 mhz, very nice collector`s receiver...\$450.00

5) QST,CQ,73 MAGAZINES, many years of these, some QST`s go back to 1939...\$200.00 for lot or 25 cents each.

6) LOTS OF "JUNQUE"...what do you need ??  
 ROY @ 780-672-2901 or bfknixon@telusplanet.net....16/09/03.

9. ESTATE FOR VE6WA: 1) KENWOOD TS450SAT TRANSCEIVER,c/w PS-30 POWER SUPPLY...\$700.00 2) KENWOOD TS130S TRANSCEIVER...\$300.00 3) ICOM IC-4AT UHF HANDHELD...\$50.00 4) PRO-38 HANDHELD SCANNER..10 CHANNEL...\$25.00 5) HEATHKIT HD-1410 ELECTRONIC KEYS...\$30.00 6) HEATHKIT HD-16 CODE OSCILLATOR..\$10.00

7) ASTRON RS 20A POWER SUPPLY,13.8 vdc @ 18A..\$100.00 8) KENWOOD MC-60A DESK MICROPHONE...\$60.00 9) VIEWSTAR VS-300A ANTENNA TUNER..\$50.00 10) MFJ-259 ANTENNA ANALYSER..\$300.00  
 CONTACT EITHER DON@403-282-0356 or VE6ZEE@ 403-249-1206 or email ve6xf@ve6xf@telus.net...23/09/03.

10. VE6CQ: 1) VARIOUS HIGH-POWER PARTS FOR THE EXPERIMENTER, such as Multi-tap RCA Plate Transformer, 48 Microfarad 6000 volt Hi-voltage Capacitor

2) TUBES for sale  
 3cx1200A7,4..400C`s...3cx3000.

4) HARRIS RF103A COMMERCIAL LINEAR AMP. Unit will easily do legal limit on the Ham Bands. Comes with one spare tube & owners manual. Unit is very heavy & in a commercial floor mount enclosure.  
 RICK..contact by email only at ve6cq@rac.ca.

11. VE6QU: KENWOOD TS850SAT c/w PS-52 POWER SUPPLY..\$ taking reasonable offers  
 BOB@ 780-483-5563..23/09/03.

Send your swap and shop items to Larry VE5VR, ve5vr@rac.ca.

## Club Meetings

If your club meeting isn't listed here, be sure to notify *The QSO* of the next date and time.

### **Regina Amateur Radio Association**

October 8, 2003 (7:30PM)  
 Saskatchewan Science Centre  
 (Boardroom, 2<sup>nd</sup> Floor)

### **Saskatoon Amateur Radio Club**

October 13, 2003 (7:30PM)  
 Alvin Buckwold School  
 715 East Drive

### **ARES Saskatoon**

October 20, 2003  
 Saskatoon City Hospital (Room 1903)  
 701 Queen Street  
 (SET Review, GPS/APRS)

### **Moose Jaw Amateur Radio Club**

October 21, 2003  
 Election Night  
 (Membership Dues must be paid by October 6, 2003 to be eligible to vote.)

### **Meewasin Amateur Radio Society**

November 3, 2003 (7:30PM)  
 Walter Murray Collegiate  
 Preston Ave & Taylor Street  
 (IRLP Training Class)