

Newscaster

The Official Publication of the
Winnipeg Amateur Radio Club
The Winnipeg Seniors Citizen's Radio Club

mailing address
Newsletter Editor
W.A.R.C.
C/O VE4WSC
598 St. Mary's Road
Winnipeg, MB
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September 1995

Field Day 1995 Revisited

(Warning: This multi media presentation is sure to cause some members of WARC to experience extreme emotions of both happy reminiscence of 1995 and eager anticipation of next year's event!!)

Presentation by Rob Kaufmann VE4GV

Date: September 11, 1995
Time: 7:30 p.m.
Place: Sturgeon Creek Regional Secondary School

Other Important Dates:

Articles: Sep 25 - Oct deadline
Oct 30 - Nov deadline

WARC: Oct 9 - Meeting
Nov 13 - Meeting

WSC: Sep 14 - Annual Picnic
Dec 14 - Xmas party

ARES: Sep 17 - Terry Fox Runs
Sep 19 - Meeting
Oct 17 - Meeting

Other: Sep 9-10 - Austin Ham Fest
Sep 9 - MRS General Meeting @ Austin
Sep 23 - Warroad Flea Market
Sep 30 - J-Pole seminar

WARC: Executive for 1995-96

President:	Richard Kazuk	VE4KAZ
Vice-Pres:	Jeff Dovyak	VE4MBQ
Secretary:	Roxanne Byron	VE4ZF
Treasurer:	Rick Lord	VE4OV
Past Pres:	Barrett Filbert	VE4ABA
Program Chairman:	Rob Kaufman	VE4GV
Membership:	Keri Kazuk	VE4KER
Flea Market:	Jim Ross	VE4AJR

Notes from your Editor: by Derek, VE4HAY

You can submit articles to me via the internet as: derek@facs.mb.ca or ve4hay@ve4umr.ampr.org or via packet as: ve4hay@ve4kv.#wpg.mb.ca.noam. I can also be reached on MWCS or at my home number 257-1420.

Words from the President of WARC: by Barret, VE4ABA

Welcome back to the 1995-96 meeting season of the Winnipeg Amateur Radio Club. We hope you had great summer. We have a new slate of executive members and some interesting programs developing for the year.

I would like to first thank Dick, VE4HK, and Gary, VE4YH for their successful input and devoted time to the club for the last few years, we will miss you. Also to mention Allen, VE4AKM will not be able to overlook the fleamarket this year. Thank you Allen for your input, and time for a job well done.

This season Roxanne, VE4ZF will take secretary, Rick, VE4OV will be the treasurer. Jim, VE4AJR as FleaMarket co-ordinator, Keri, VE4KER will be here to control the database of the clubs members. Rob, VE4GV will once again be our program director, and Jeff, VE4MBQ will sit as Vice-President. This put Richard, VE4KAZ as your new President, and making myself as the Past-President. The September meeting is soon and the Austin Hamfest is coming up. Seems the ham crowds are gathering again... There's lots of summer left, so come on out and enjoy.

Corection Notice

The date in the MRS newsletter for the semi-annual general meeting which was sent out in August is wrong. The correct date of the meeting will be

September 9th, 1995

2:00 pm at the Austin Ham Fest.

Sorry for any inconvenience this may have caused.

Winnipeg Senior Citizen's Radio Club. **released by Adam, VE4SN (President - 95)**

START of the BASIC (+ CODE) HAM CLASSES - SEPTEMBER 5 (Tuesday), at 11 a.m. So far, 8 have signed up; others wishing to take the course can apply in person at the clubrooms on the starting day, or earlier by phoning 233-3122 between 9 a.m. and 2 p.m. Monday thru Friday. Or you can phone the instructor, Sandy, at 633-2877. There is no cost, except for course materials. Club members who are acting as instructors include:

John Mitchell, 4CCW	Eric Champagne, 4EPC
Dick Higgins, 4RHG	Sandy Sandwith, 4SZ
Abe Schumann, 4ZI	Richard Girulski, 4FF
Harvey Hanson, 4CK	Harvey Shipley, 4SX
Ed Henderson, 4YU	

Applications are accepted from Seniors, those 55 or older who are retired, and others if space permits.

ANNUAL PICNIC - September 14, 1995. Being held at the St. Vital Park, at the duck pond site. Most members, spouses and friends, are expected to come about 9 a.m. for a walk around the park, socializing and chatting; regular activities will start at 11 a.m. (Bingo specifically), and a ham station should be operating on the site. Lunch will be served beginning in the noon hour. Festivities will last through the early part of the afternoon. Visitors are welcome. There is ample parking available right at the site. There is a small cost to cover the food expenses, price expected to be \$3.50 per person. Convener is Mike Fedak, 4ABV, our Social Committee Chair. Because of the picnic, there will NOT be a Breakfast Meeting at the Norlander this date.

An activity over the Labour Day weekend will see three of the Club's members taking part. WOLFOREE 95 is being held at Stephenfield Provincial Park, about 10 miles west of Carman, from Thursday, August 31 until Monday, September 4. There will be upwards to 550 Cubs attending, with over 100 Scouters for support, and over 50 'Offer of Service' personnel. Attending this event to set up and operate 2 ham stations for demonstration purposes and to involve the Cubs and others in an initial introduction to Amateur Radio, during Friday thru Sunday, will be Jim Ross, 4AJR, Vern Dutton, 4VQ and Gil Frederick, 4AG. Listen for VE4AG and VE4AJR on HF (75m) and 2m during this Labour Day weekend; we'd appreciate your on-air participation if you hear us, to help make our exercise a success.

The Club was honoured by the visit of two well-known Alberta Hams on August 3rd, in the persons of Ken Oelke, VE6AFO and XYL Linda-Lou,

VE6LGO. Ken is the Regional Director (RAC) for Alberta & N.W.T., also RAC Field Service Manager. Ken also is Acting SM & SEC for Alberta - a very busy man indeed! He and Linda were passing through Winnipeg on an extended trip to the East Coast of Canada. Following their visit here, they attended Camp 807 in Fort Frances (along with Club members Cal, VE4XQ and XYL Louisa, 4LJS; Gil, VE4AG and XYL Beryl, and Scott, 4SM and XYL Marion, whose father was Cliff Ferg, ex-VE4AG). Ken will be returning to Calgary via Winnipeg after his attendance at the 12th IARU Region 2 General Assembly in early September in Niagara Falls, ON, and promises to re-visit the Club.

Please remember to check into the Seniors' Net each morning Monday thru Friday - 9 a.m. on VE4WPG-Rptr. Also the TLC (Totally Lost & Confused) Net each evening, at 9 p.m. on 147.48 Simplex. NCS is John, VE4CCW. This net is a round-table for discussion on any subject whatsoever, including technical. Everyone is welcome to join.

WARC Members renewing RAC membership

Please ensure that you quote WIN102 when renewing or beginning your RAC membership. The Winnipeg Amateur Radio Club receives a commission from RAC each time a member uses WIN102.

Hints & Kinks **by Ralph, VE4RY**

HAM RADIO TRIVIA -

The familiar S-O-S distress signal in Morse Code is actually all one character: ...----- and not three separate letters.

ARES Committee Report **by Jeff, VE4MBQ**

Over forty amateur operators participated in the Winnipeg ARES operation at the Winnipeg AirShow June 10-11. Our volunteers who deserve great thanks put in over 900 man hours at this event. Our role was the provision of a reliable self-sustained filed communications network. I think that from the communications point of view this event was an outstanding success. There were many instances over the course of the event where amateur operators were able to step in to fill the voids left by others. Since the "Lost & Found" trailer was lost throughout the event David, VE4DAR, and Mariska (VE4HK's XYL) wasted no

time in opening the Winnipeg ARES Lost & Found Unit. That we were able to use the provincial Emergency mobile Command Vehicle for this purpose in a story for another day. Yori, VE4ACX has his portable repeater on the air soon after it was determined on day 2 that our pre-planned repeater was not working optimally. A detailed debriefing session was held for our volunteers and the airshow Directors about 10 days later. I attended the Transport Canada debrief as well - essentially the professional services had no complaints about ARES personnel or our operations.

In conjunction with WARC members approximately 25 ARES members assisted with communications at the Manitoba marathon June 18. This years marathon was probably the busiest one yet for me (I ran in the first one and have worked the medical side ever since). thanks to Jim Reid of National Sound, 639 Portage Ave., who provided a PA horn/siren for our mobile unit.

Our July meeting featured an interesting presentation on ground search & rescue. if nothing else we came away with the knowledge that trained search teams have a particular way of organizing and conducting a ground search - a bunch of laypeople tramping around in the bush could sure interfere with a trained groups clue finding.

While there was no August meeting we did not exactly take the month off either. Our training Committee organized a very successful drill on August 15. The Duty EC was notified by the training Co-ordinator, the telephone fan out system was activated, and the emergency training net came up on the VE4WPG repeater. members who checked in as available for duty were dispatched to a central location where their equipment was inspected by members of the Training Committee. Thanks to Don ,VE4DWG & David, VE4DAR for donating the prizes for the raffle that was held at the emergency "site"

Winnipeg ARES will be providing come communications for three Terry Fox Runs in Winnipeg on Sunday September 17. At this time we plan on running the operation as a closed, directed net on the VE4WNR repeater. Thanks to Wes and the WNR group for allowing us to use their repeater again this year.

The next ARES meeting is Tuesday September 19 at 7pm at St. John Ambulance. 535 Doreen Street (across from MTS). The training Committee will be conducting a classroom exercise. In addition there may be an airport emergency planning lecture as well. Unless otherwise announced our meetings will

continue to be held on the **Third Tuesday of the month.** If anyone is interested in ARES and the work it preforms as training, please contact Richard ,VE4KAZ or Jeff, VE4MBQ or come out to one of our meetings. The meetings are open and you will be welcome to attend.

MINUTES FOR W.A.R.C. - June 12, 1995

Meeting began 7:30 pm VE4ABA presiding
Approximately 30 members present
Minutes of previous meeting approved as printed in Newscaster; moved VE4AJR, seconded VE4MBQ
CARRIED

Correspondence - no correspondence

Treasurer's Report - VE4YH advised that gross income from Flea Market was \$700.00. He has a cheque for \$200.00 to pay for West Kildonan Arena. We have been unable to contact the caretaker, to deliver the cheque. VE4YU purchased a new tent for Field Day and other events. Cost \$353.00. This is about what it would cost to rent a similar tent. Club balance is \$4852.00

Standing Committees

Flea Market - Warc requires a new flea market co-ordinator. VE4AKM is not able to continue this responsibility.

ARES - VE4MBQ suggested everyone read his report in June Newscaster. VE4MBQ announced that 45 hams took part in the Airshow net. Jeff was very proud of the efforts of each amateur. VE4's KAZ, HAY, CET took part in Basic Emergency Preparedness course VE4MBQ asked for volunteers on September 17, for the Terry Fox Run. Call Jeff if you wish to assist.

Field Day - VE4YU told us that he purchased a new 10 x 16 tent for Field Day. Everything is well in hand. Anyone who wishes to participate is invited to fill in the form and return to Ed. VE4FAL 146.64 is the talk in frequency. Location is Falcon Lake Motor Hotel. There will be a barbecue beginning at noon Saturday.

Programs - VE4GV announced that he had secured helium balloons for a tethered 80 meter antenna at Field Day. Rob gave the membership a fascinating choice:. Suggest some interesting programs for the fall, or watch home movies of his daughter. VE4GV is hoping to have a video from Field Day for our September meeting.

Education - VE4OV advised that classes should resume in late September as Sturgeon Creek High School.

Marathon - VE4YF reminded all Marathon volunteers of the briefing meeting at the Manitoba Sports Federation Building, Wednesday evening, June 15.

Notices for the Good and Welfare - VE4KAZ asked for volunteers for security at Austin Hamfest in September.

- VE4WK briefed us on a project he is involved with through the University of Manitoba. He is collecting "signatures" of various handheld transceivers. In the long term, this will give him "fingerprints" of different radios, which will assist with identifying transmitters. His project is expected to take place in December and January. It could prove invaluable at tracking and positively identifying transmitters of jammers, kerchunkers and other illegalities.

- VE4WK is also involved in a world wide communications setup on computer, which will be very effective when radio conditions are poor. He is experimenting with real time audio, video and data transmission via Internet. Wit participated in a real time TV broadcast on the Internet last week, using a "wormhole". He predicted the cost, when this system becomes available, will be \$150.00. (inexpensive!)

VE4HK asked for volunteers to be Net Control Stations for the MRS 2 meter nets.

New Business - VE4OV advised us that someone was pirating his call on the 80 meter Manitoba Evening Phone Net. He does not use 80 meters.

-VE4GV noted that the American pilot who was shot down over Bosnia was located by using CW.

- VE4ABA announced that it was nice to see VE4JBN back with us.

Elections - The following people were acclaimed to office: VE4's GV, KAZ, KER, MBQ, AJR, ZF, OV

Meeting adjourned 8:26 moved VE4EN.

CALLSIGN CHANGE @ TURTLE MTN **WC0M@WC0M.#RL.ND.USA.NA**

The callsigns at Turtle Mtn has been changed;
N00JS-4 NDtm4 was N0GUV-4 440 MHZ
N00JS-1 NDtm was N0GUV-1 145.01 MHZ

The reason for this change is because n0ugv is leaving the state and thought since he was not around any more the callsign should be changed The freq of 0ojs has been changed to 145.07 to reduce QRM until I get the 9600baud port on my BBS on line. That should happen before the end of August. If anyone needs to work the MB backbone for direct connect to MB of ND from MB the Gateway on my BBS is open for switching from 145.01 to 147.07

MARM Ham Fest - September 8-10, 1995 **Tentative Schedule**

Friday

6:00 pm - 9:00 pm - Registration

Saturday

7:00 am to 9:00 pm - Registration

8:00 am Heritage building open for vendors.

9:00 am Heritage bldg. open to all registered, flea market, food concession open

10:00 am shuttles to the Manitoba Agricultural Museum grounds

Workshop - "Fox Hunting with Your HT"

10:30 am Entertainment centre stage Heritage bldg. Fox Hunt for ht's using omni-directional antennas only

11:30 am Shuttles from Museum return to Heritage Bldg. for lunch

12:00 - 1:00 pm Lunch - food concession west end of Heritage building

1:00 pm Activities for kids, V.E.C. testing Shuttles to Museum grounds

2:00 pm .. Meetings, Forums, The Manitoba Repeater Society - Semi Annual General Meeting YL & XYL activities - Tea, Demonstration, Games etc.

3:00 pm Entertainment, centre stage Heritage bldg. open fox hunt using any portable equipment (no mobiles)

4:00 pm Eyeball meeting of YL's

4:30 pm Shuttles for pick-up from Museum grounds

5:15 pm Shuttles leave Heritage bldg for supper at Dining Hall

5:30 pm Supper at Dining Hall

Have a product that is Radio related ?

Looking for a place to advertise ?

Looking for a captive market ?

Please contact anyone on the executive for rates and more information. Space is available.

Bus to Dayton ? read on

7:00 pm Shuttles from Dining Hall to Heritage bldg.
V.E.C. testing
8:00 pm Heritage bldg closed for clean up
9:00 pm - 1:00 am - Dance and Party .. Spot Dances

Sunday

7:00 am - 3:00 pm - Registration

9:00 am Heritage bldg. open, flea market
10:00 am Shuttles to Museum grounds
10:30 am Entertainment centre stage Heritage bldg.
Two XMTR fox hunt, winner must locate
both XMTRs
11:00 am Forums, Meetings
11:30 am Shuttles return for lunch @ Heritage bldg.
Noon Awarding and drawing for prizes
1:00 pm Shuttle to Museum grounds
3:00 pm Closing of Heritage building
4:30 pm Shuttles for return to Heritage building

**Lake of Woods HAMFEST
-Warroad,MN
by Gil Frederick, VE4AG, OBS (RAC)**

Notice of the Lake of the Woods Repeater Assoc., Inc.
9th ANNUAL HAMFEST

WARROAD COMMUNITY CENTRE,
222 Virginia Ave., N.E.
WARROAD, MINNESOTA.

SATURDAY, SEPTEMBER 23, 1995

Program includes:

Testing at 11 a.m.
HAMFEST 1 p.m.
BANQUET 5:30 p.m.

Note: There are only 150 Banquet Plates available, so
make your reservations NOW. There is a special prize
for advance reservations. (Contact Dave Landby)

- * Fantastic Prizes -
Grand Prize MFJ-259 Antenna Analyser
- * Flea Market
- * Consignment Tables
- * Motels, Gas and Food available 24 Hours
- * Ham Auction
- * Coffee and Bars
- * VE Testing - All levels - Walk-Ins Welcome

Admission is \$10.00 U.S, including Door &
Banquet, \$ 7.50 Banquet Only

**Anyone interested in a group buy on the
Radio Shack - 2M Mobile Rig ?
Come to the WARC meeting Sept. 11/95**

Talk-In - on 147.090 + LOWRA Repeater

For more information, contact any of the following:

Bob Whaley, N0NPA, LOWRA Pres.,
RR 1 Box 264A, SWIFT, MN 56682
(Telephone 218-386-3605)

Jon Hagen, KB0ONK, LOWRA Sec./Treas,
R2 Box 228B, ROSEAU, MB 56751
(Telephone 218-463-3656)

David Landby, KB0HAP, Reservation Chairman,
Rt.3, Box 10, WARROAD, MN 56763
(Phone 218-386-1092)

Motels & Camping:

Patch Motel 1-800-288-2753
Best Western- Can Am- Motel 1-800-280-2626
Super 8 Motel 1-800-800-8000
Lake of the Woods Motel 1-800-738-6666
CAMPING & RV Space at CITY PARK

**From Your RAC Regional Director
by Dave Panting, VE4EF**

Although you have not heard from me since
June, RAC has indeed been busy for the past few
months. Canada, as represented by RAC, will be
hosting the International Amateur Radio Union
(IARU) conference in Niagra Falls during the last
week of September. This is a large undertaking
both financially and in terms of labour and organi-
zation for a society of our size and it certainly has
been keeping us busy. The RAC board of direc-
tors will be meeting in Niagra Falls just prior to the
IARU conference to take advantage of the sched-
uled presence of most of the RAC administration.
Some of the things we intend to discuss are:
restructuring of RAC standing committees, clarify-
ing the structure of the Field Services organization,
and the progress of the group working with Indus-
try Canada toward RAC administering amateur
radio in Canada (Amateur Delegation Working
Group - ADWG).

During the summer I have had the pleasure of
meeting many hams at various functions. I had a
great time at the Hamfest near Swift Current,
Saskatchewan even though I did have to help hold
up their enormous meeting tent during a spectacu-
lar electrical storm (yes it was a wooden pole). I
am looking forward to the Manitoba Amateur
Radio Museum Hamfest in Austin from September

8 to 10 (as long as they don't make me hold up the tent). I hope to see many of you there.

1995 MANITOBA MARATHON **by Roxanne, VE4ZF**

Congratulations to all 57 amateur radio operators who volunteered their time on Sunday, June 18 at the Manitoba Marathon. Our group received praise from the organizers for their effective and efficient handling of communications for the marathon. It was one of the most difficult marathons due to the hot temperature yet all operators managed to keep their "cool" and stay alert. Everyones help was greatly appreciated.

NEWSFLASH **By Ruth, VE4FG**

I have been told by Dave, VE4XN that the Saturday entertainment at the Marmfest will also include COWBOY BOB (Bob Atkins) the Cowboy Poet. Bob is heard regularly on CKLQ and has written some books of Cowboy Poetry. This is an addition to the previously planned entertainment. **REMINDER** if you want to attend the supper, you **MUST** pre register and soon, so get your form and money sent to VE4QK (Dick) at Beausejour!!

VE4's are on the NET **by Derek, VE4HAY**

Over the summer I have been busy creating what is called a Home Page for the VE4 amateur community. For those of you who are not familiar with the internet or just don't have access to this great power, a Home Page is a spot on the internet where you can let the world know that you exist.

The current page is about 80% done and is on the Blue Sky Freenets of Manitoba - Winnipeg Node. Blue sky does not charge any access fee to there system (but they do accept donations, hi hi). The Home Page has listings for the various groups that I know of in Manitoba. If you notice any groups missing please inform them of the Home Page and have them get in touch with me so that they can be included. Also on the Home Page is the following:

- links to Other Home Pages in VE4
- links to Other Home Pages in Canada

How about a Charter Bus trip to Dayton

Come to the Sep. 11 WARC meeting to learn about what is being planned. If enough people are interested, we will make the arrangements.

- links to Other Home Pages in the World
- information on Becoming a ham
- Callbook (US/Canada) Callsign Lookup
- Info on other Clubs and Organizations
- EMail Accessible Packet Radio BBS 's
- File Archives accessible via FTP
- Mailing List - that you can subscribe to
- UseNet Newsgroup - about amateur radio
- Other Radio related Newsgroups
- QSL Route Information
- Ham Satellite Gateway
- Telnet to On-line Gateway's
- Shortwave Listening
- About this list.. - info about this Home Page

This covers pretty much all you will need to know about Amateur Radio. if you know of other links, sites, or whatever that I should add to the list please let me know. I could also use someone who could design some very nice logo's and graphics that I could include in the listing for system with Mosaic or Web Explorer, etc...

The number to Blue Sky - Winnipeg is **987-1234**, you can login as a guest anytime you want and look around, but why not register. (Maybe even send them a donation if you like what you see.) For those of you with internet access already the URL is: <http://www.freenet.mb.ca/iphone/a/amradio/index.html> Please check it out and let me know what you think.

UMARS High Altitude Balloon Experiment - The story **by Paula, VE4MHZ**

It all started on a day back in June '94, when Tom, VE4TRT, was wandering through the booths at the University of Manitoba Technical Show. He came across the Akjuit Aerospace booth and became engaged in a conversation with Phillip McMaster, Vice-President of Communications. Phillip became particularly interested in the club's fox-hunting capabilities as it might help with the retrieval of rockets planned to be launched from Churchill.

Come July '94, Tom had written and submitted a letter to Akjuit Aerospace informing them of our various club activities. It was this letter that caught the interest of Akjuit's Vice-President, John Angell and the idea of balloon launching and recovery was born.

After much research, scrounging, and phone calls by Tom, a formal proposal was written up and submitted to Akjuit in January '95. This proposal included pricing of equipment, listing of the clubs' existing resources and a detailed explanation of the planned project. By this time, Siobhan Mullen, President and CEO of Akjuit Aerospace, had learned of our project and wanted to

know when the target date of the first launch was. We had our funding!

Now came the big challenge. What toys would we need and how to get them in a short amount of time? In the end the GPS units took the longest to find and order. This was because they had to be specially ordered and configured to work above 60,000 ft. Normal GPS units stop working after 60,000 ft to prevent shady characters from using them as guidance systems for missiles!

After many weeks of phone calls and shipping screw-ups, we had assembled a pile of new toys which started to fill up and eventually over-run the club room. We had MFJ 2m radios, PacComm TNC/GPS units, surplus radiosondes and lithium batteries, Microchip PIC micro controllers and development kits. Of course we also had a plethora of test equipment, half developed circuits on breadboards, and circuit schematics strewn over various countertops, basements, floors and the like.

Now came the fun part. The design and construction headed in several different directions. Tom and Michael, VE4MJM, started working with the TNC's and radios. Craig, VE4CET, dove into programming the PIC micro controller. Arne, VE4ARN, worked on converting maps from Auto cad to APRS and the design and construction of the box. Andy Minkevich, prospective ham, looked into parachute designs. Tom and Vern, VE4ABE, worked on the construction of the 10m beacon. Also Vern designed and built both the 2m and 10m antennas and figured out how to attach them to our box of Styrofoam.

After many postponed launch dates and redesigns of designs, Tom, Craig and Andy met with Transport Canada, Environment Canada, and Air Traffic Control. The meeting took place on August 17, 1995 and was to formalize the date, time and procedures of the launch as well as discuss any last minute concerns they may have with the project. It was agreed to have the launch on Saturday August 19, 1995 if weather permitted.

Now started the many hours and sleepless nights of last minute work. As things began to come together on a very stormy Friday August 18, 1995, weather reports for the next morning looked disheartening to some and became relief to others. The forecast was for low clouds and high ground winds. It was decided to postpone the launch by a day. We had one more day to get things working.

Sunday, August 20, 1995 was a day of clear skies but moderate winds. Environment Canada decided to go ahead with the launch. With only an hour to

launch, UMARS members scrambled to put together the last components and seal the top on the box covered with mylar and reward signs. While the clock ticked away, members tested all onboard equipment, and low and behold, it worked!

At 9:00am two Environment Canada officials lunged out the door of the warehouse near the Winnipeg Airport with balloon in hand and payload in tow. Due to some severe jarring and bumping of the payload, the 10m beacon stopped working even though the audible beacon still whined away.

Shortly after release, it was confirmed with our control centre in our club room that GPS data was being received. The lead chase vehicle driven by Dean, VE4EY with his wife Giselle and myself as spotters, went racing through the city to stay in visual contact with the balloon.

Within the next 15 minutes, more problems arose. As more hams turned on their packet stations and tried to contact the payload, our TNC was not able to transmit GPS data back to the ground stations running APRS. The TNC then would not disconnect from a packet contact and remained locked up for the rest of the flight. With no signals to hunt, we were relying on the ham community and lead chase vehicle for visual sightings. The lead vehicle lost sight of the balloon about half hour into the flight somewhere on highway 12 between the Highway 1 and Beausejour where it rose beyond the range of our binoculars.

Chase crews, made up of Gord, VE4GLS, and Andy in one vehicle, Craig and Michael in another, and the lead vehicle, met up in Beausejour to formulate a plan of attack. It was decided to head to the sand hills at Seddons Corner and use Gord's All Terrain Vehicle to see if the higher ground would give us a signal to hunt. Alas, no luck.

Arne, running the Control Centre along with Victor, VE4LAM, and Patrick, VE4PHH, was our main source of information at this point, keeping Air Traffic Control happy and trying to get balloon information from Environment Canada. He also made an announcement on the Sunday 2m net asking for any assistance the hams in the area might provide. With no new plan of attack the chasers decided to adjourn for lunch in Beausejour and decide whether to continue or abandon the hunt.

This space could be yours !!

Contact any executive member for more info!

Your name

tel: (204)123-4567

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U308 RG-58/u reducer (s)65
U309 RG-58/u reducer (g)	1.00
U310 UHF fem. x UHF fem.	2.00
U314 UHF right angle MxF	4.00
U315 SO-239 nickel	1.50
U316 UHF M x "N" fem.	4.00
U318 UHF fem. bulkhead	3.00
B503 BNC male 3 pc. crimp	1.50
B507 BNC m. x fem. angle	3.00
B513 BNC male x UHF fem.	3.00
B517 BNC chassis mount	2.50
R801 "N" T f-m-f adapter	7.00
R804 "N" male x UHF fem.	4.00
R821 "N" fem. panel mount	3.50
R822 "N" male gold/silver	6.50
Bulk PL-259 10xU300	12.00
10xU301	15.00

Contact Gary Smith VE4YH
Ph: 661-4158

Over lunch we learned that Tom and Phillip McMaster had chartered a plane to search for our missing package from the sky. Based upon information received from a ham in the area of Point du Bois, it was decided to continue our hunting in that area with Tom in the plane as our lead.

After 2 hours and lengthening shadows we decided to give up the hunt with no signals having been received since 15 minutes into the flight. It was a very disappointing day.

On Monday, August 21, 1995 all project members got together to discuss pros and cons of the project and recommendations for the next launch. We also

Application for 1995/96 Membership Winnipeg Amateur Radio Club

(PLEASE PRINT CLEARLY)

Name _____

Address _____

Postal Code _____

Phone number (R) _____ (B) _____

Call sign _____ Class _____

Annual membership dues \$15.00. Make cheque payable to WARC and mail c/o WARC Membership, 598 St. Mary's Road, Winnipeg, MB R2M 3L5

received a copy of the data collected from Environment Canada's radiosonde. They were receiving data up until 62 minutes into the flight. From this information we estimate that the balloon went down within 20km of the Willard Lake and Vermillion Bay area in Ontario. Although we have not recovered our payload yet, we have learned a lot from this first launch, and are already working on the next launch.

Many thanks to all who worked and supported this project and to those who helped us on launch day. We hope to see many of you at our next launch!

UMARS J-Pole Seminar **by Paula Ehn, VE4MHZ**

UMARS will be holding a J-Pole Building Seminar on September 30, 1995 at 9:00 am - 12:00 noon in room 566 Engineering on the University of Manitoba Fort Garry Campus. This seminar will show you how to build a copper J-Pole antenna and teach you why the design is so popular and how it works.

Witold Kinsner VE4WK, will be teaching the seminar. The fee for the seminar will be \$15. For those of you interested in attending the seminar and bringing home a brand new copper J-Pole antenna, please contact me at 667-7818 or e-mail me at pehn@cc.umanitoba.ca. Hope to see you at the seminar!

WARC Membership **by Roxanne, VE4ZF**

Back by popular demand, a For-Members-Only Draw will be held at the end of the fall Flea Market. Memberships will be accepted up till the time of the draw. Why wait. Renew now! Keep your ears and eyes open for details.

REMEMBER:

Draw open to paid 95/96 WARC members only