

NORTH SHORE ARC

Box 171, Oshawa, ON, Canada, L1H 7L1
www.osha.igs.net/~Isolomon/nsarc.htm

VOLUME 5, NUMBER 3

MAY/JUNE, 1999

Field Day

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Stevem Marchi from the Region of Durham EMO graced us with his presence and dedication to the work. Vern Wood of the Oshawa Fire Services also graced us and explained how hams fitted into the city's plans. Bert Callahan of the Red Cross also joined us at her own request and was able to shed light on how amateurs are counted upon to help in communications.

Fred, VE3TIG was his usual helpful, informative self explaining the geography of the emergency plan and the various groups who would be relying on amateurs to rely vital messages. Randy Elliott, VE3JPU was to have explained message forms and traffic handling but was kept away by personal concerns. Fred jumped in and did another fine job on this topic.

Time suddenly got very short and I offered a brief couple of observations on a radio emergency kit which could be topped up quickly and thrown into the car at short notice. Not much time to dig into the kit but there was time to briefly talk about intermod filters and quick-and-dirty antennas for 2 metres.

Over 70 hams showed up and many left their names to be counted in for sessions in the fall. It was very gratifying to see the response. It looks like the Durham region may end up with a first rate team of emergency communicators. To reassure club members that ARES will not necessarily become the prime focus for our club, both clubs are taking the position of helping out with EMO but still doing the club activities that we normally enjoy.

Now if we can just get Field Day rolling and well attended we can show the public what we look like when seriously engaged in making contacts, local and distant. Mayor Diamond has indicated that she hopes to attend sometime to see us do our stuff. I am also hoping that Ivan Grose M.P. can make it too since he has been very cooperative when we have pointed out problems and made suggestions. With our new location at the Airport we will have some members of the public visiting and we will need to be prepared to explain what is going on and possibly interest some to join in the hobby/service.

73, Pete

Monthly Meeting

See you at the RCAF building at the Oshawa Airport.
Meeting is on the third Monday of the Month at 1930hrs.

From the Chair in the Shack

Peter Henry, VA3PWH

May has almost passed as I write this. After a great deal of hunting for a hall large enough to house the emergency measures meeting which replaced our regular meeting, it finally came down to our normal meeting place. Maybe the hockey game played a part in all of us fitting in. Unfortunately, the timing was upset by the hunt and our mailing was a little late in getting into the mail. Canada Post also helped, as they did for Hamfest, by delaying delivery to some hams. We really regret that they didn't have much opportunity to arrange to come.

At any rate, we were pleasantly surprised at the detailed and reasoned explanations of EMO in Durham and also plans to involve hams in Oshawa's emergency planning. Ian Morrison, VE3IEM, President of the South Pickering ARC gave some opening comments. We owe him our gratitude for involving the club with ours in this event. Our partnership with SPARC has been very beneficial to both clubs in the area of Hamfest and it continues to grow. Ian and I share a concern that amateurs who have limited time for training will be able to help out in times of need. We hope that our Durham approach to this area will take into account that so many hams are willing to help and would like to feel that they too will be called when they are needed.



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Submit articles or info to Laird buy one of the following:
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packet: ve3lks@bbsbbs
direct: ve3lks-1 on ve3ush

Field Day

June 26-27, 1999

At the Oshawa Airport

Stevenson Rd. just north of Rossland Rd.

Swap Shop

Peter, VA3PWH (905) 436-9236

For Sale Palstar 300 Watt Antenna Tuner with 48 position inductor switch \$190.

Josef, VE3FVH (905) 655-3009

ICOM IC 471 70 cm all mode transceiver with power supply \$490. Microwave module 432 Mhz 100 watt linear \$190. TE systems 70 cm. 100 watt linear with Preamp \$210. Landwehr 2 m. Preamp. mast mount \$130. MFJ Electronic Keyer paddle, model MFJ-422C \$40. Larsen 2 m. 5/8 Magmount Ant. \$15. Larsen 2 m. 5/8 Glass mount Ant. \$40. Cushcraft 2 m. 5/8 Mag mount Ant. \$15. Hustler Mobile Resonators, RM-20, RM-40 RM-10S, RM15-S, RM-40S, Spring, Ball mount. \$110. Kenwood Deluxe Headphones HS-5 \$40. Cushcraft R-7 Vertical \$270. Sony C/D Player CDP-50 \$40. Radio Shack 5" Portable Colour TV. \$50. Alaron 40 Channel CB. \$25.

Peter, VE3ETR (905) 655-5180

Htx 100 10 meter mobile, 25 watts ssb & cw. 10 memories, mint. \$100. 24 dot Star Matrix Printer, model NC 101, Multi Font \$50.

Rick, VE3ZTP (905) 404-0084

For Sale, Motorola Commerical Two Meter Transceivers, 40 Watt output, Dash mount remotes \$50. OR TRADE for Ham radio gear.

Jack, VA3JFW (905) 571-5334

TRC-47 CB radio converted to 10 meters \$20.

Rick, VE3ZTP (905) 404 0084

WANTS a HF Antenna Tuner with a SWR meter to handle 500 Watts.

Mike, VE3DKW (905) 723-7674

Wanted - COMMAND transmitters Model BC-458 & BC-459.... or any other command transmitters or receivers....

Send all listings to VE3FJC, Walter at (905) 263-2338, by packet at VA3BBS, or by phone at VE3OSH 2 meter repeater.

From the desk of Ian Smith - Hamfest Coordinator

Hello everyone,

First, I would like to thank the Hamfest executive whose assistance made the Hamfest a success. I would also like to thank the countless volunteers from the North Shore and South Pickering Amateur Radio Clubs who helped make the event possible. As you know, the Hamfest is the primary fund raiser for both of our clubs and keeps both of them running. Thank you everyone from the bottom of my heart. Below are the names of the people that I was aware of at the time of this printing. If I have missed your name, I offer my apologies and ask that you contact me.

Skipp Tullen K2PXQ, Tony Bianco VA3BGA, Doug Boyd VA3BGF, Lyle Sibbald VA3DXE, Glenn McKiernan VA3GAR, Ted Barrett VA3ICJ, JOSEPH DITTA VA3JDX, Jim Schuhaj VA3JTC, Kim Becker VA3KIM, Les Burgess VA3LTB, Peter Henry VA3PWH, Dave Logan VA3RLP, Cheryl Willett VA3SYT, Bob Jones VE3ADJ, Margret Jeffery VE3BNN, Ralph Day VE3CRK, Gary Heagle VE3EPY, Ken Grant VE3FIT, Don Foster VE3GXH, Ian Smith VE3ITG, Ivor Picton VE3JMP, Jean-Paul Taillebois VE3JPT, Bill Nasho VE3KCH, Paul Becker VE3KPB, Anne Jones VE3KWI, Glen Goslin VE3LIZ, Laird Solomon VE3LKS, Bob Elston VE3LLE, Gord Walker VE3LUM, Ron Lawrence VE3ORP, Jim Collins VE3OYE, Georgia Andreanopolos VE3PSM, John Gregory VE3PTD, Tom Lee VE3PZS, Ron Lyn VE3RLL, Terry Male VE3RNO, Stan Kubien VE3SCC, George Arnold VE3SHP, Iris Merkal VE3SLU, Bob Fartridge VE3SRD, George McConnachie VE3SZC, Fred Eengel VE3TIG, David Faul VE3TIJ, Howard Mugford VE3TYQ, Alan Galer VE3UIR, Don King VE3UMA, Mike Maclean VE3VCY, Nick Vandenhoeck VE3VDH, Earl Matthews VE3VGK, Len Visser VE3VSR, Winston Seeney VE3WFS, Martyn Phillips VE3WKY, Mike O'Neil VE3WZS, Alex Boyd, Andrew McConnachie, Carrie Becker, Cheryl Becker, Kim Lajnal and Nicholas Jeffery.

This past year has been a learning and growing experience for many of us, as well as a time of change. With all of these things we develop new skills and the cycle continues. I have had some inquiries from people wanting to become more involved in the Hamfest. If you would like to add your name to the list, you may contact me at (905) 427-4873. Remember that our next Hamfest (Hamfest 2000) is expected to grow even larger than this year's event and we will need your help to make it a reality.

At the time of publishing the newsletter, the actual numbers are not available but I am able to tell you the following information:

As compared to the 1998 Hamfest:

Over 10 rolls of film of the event were shot by Andrew McConachie, Doug Boyd VA3BGF, Mike O'Neil VE3WZS and myself, Ian Smith VE3ITG. As the pictures are developed, they will be available for all to see on the Hamfest Website <http://www.globalseve.net/~ismith> and in upcoming newsletters.

- ★ Revenue is up 8%
- ★ Expenses were up about 1%
- ★ More floor space was used. 43,400 sq ft. which is a 8% increase
- ★ Table Sales were up 6%.
- ★ 5% more Super Prize revenue was generated.
- ★ Net proceeds are at about par with last year
- ★ Attendance was is about par with last year

Preliminary results and subject to change as the numbers are finalized.

1999 Super Prize

A Maximum of 1000 tickets was available - 811 were sold. The odds of winning a super prize was 1:162.2

- | | | |
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| 1st | Prize:
Donated by:
Recipient: | \$1000.00 Cheque
Durham Region Amateur Radio
Hamfest
Lucien René, Toronto, Ontario |
| 2nd | Prize:
Donated by:
Recipient: | TM-461 70cm Mobile Transceiver
Kenwood Electronics
Ken Park VE3KPP, Barrie, Ontario |
| 3rd | Prize:
Donated by:
Recipient: | HTX-242 2 M Mobile Transceiver
Radio Shack
Douglas Smith VE3MKC, Oshawa,
Ontario |
| 4th | Prize:
Donated by:
Recipient: | TH-22AT 2 M Handheld Transceiver
Elkel and Durham Region Amateur
Radio Hamfest
G. Barrey VE3MFE, Dunnville,
Ontario |
| 5th | Prize:
Donated by:
Recipient: | IC- 2 M Handheld Transceiver
Elkel and Icom
Dick Johnston VE3XDJ, Rockport,
Ontario |

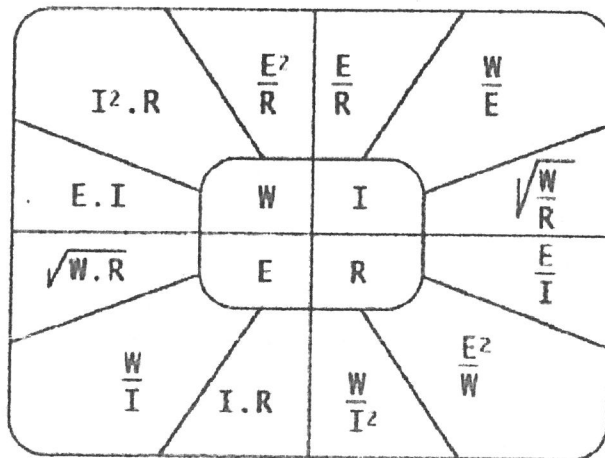
Father

- | | |
|-----------|--|
| 4 Years: | My Daddy can do anything. |
| 7 Years: | My Dad knows a lot, a whole lot. |
| 8 Years: | My Father doesn't quite know everything. |
| 12 Years: | Oh well, naturally Father doesn't know everything. |
| 14 Years: | Father? Hopelessly old-fashioned. |
| 21 Years: | Oh that man is out of date. What did you expect? |
| 25 Years: | He knows a little bit about it, but not much. |
| 30 Years: | Must find out what Dad thinks about it. |
| 35 Years: | A little patience, let's get Dad's meaning first. |
| 50 Years: | What would Dad have thought about it? |
| 60 Years: | My Dad knew literally everything! |
| 65 Years: | I wish I could talk it over with Dad once more. |

This is a little tribute that I came across several years ago by an unknown author that is all so fitting.

Handy Chart

submitted by Glen Goslin



Field Day Above 30 MHz!

By Steve Ford, WB8IMY, Managing Editor, QST
Downloaded from ARRL website

When most hams think of Field Day, they automatically envision a stampede of activity on the HF bands. While this may be true, there is a potential gold mine of contact points on the bands above 30 MHz.

Let's take a brief look at the various modes and bands:

CW/SSB - You will find the greatest amount of CW and SSB activity on the 6 and 2 meter bands. On 6 meters,

CW/SSB stations tend to gather around 50.125 MHz and above. The popular hangout on 2 meters is centered around 144.200 MHz.

If propagation is especially good, 6 meters can burst wide open and yield contacts spanning several thousand miles. During Field Day weekend, you can usually count on average conditions with a range of up to 200 miles on 2 meters and 400 to 500 miles on the 6 meter band. However, be on the look-out for propagation enhancements such as sporadic E. During a good sporadic E opening, you'll work stations 1500 miles away, if not farther. You'll also find some CW and SSB activity on the higher bands such as 222 and 420 MHz. If you are strapped for equipment, however, concentrate your resources on 6 and 2 meters.

For CW/SSB operating, beam antennas are your best bet -- the more elements the better. Make sure your antennas are horizontally polarized (the antenna elements must be parallel to the ground.) Horizontal polarization is the CW/SSB custom. The penalty for using the wrong polarization is a tremendous loss of received signal strength.

FM

For Field Day operating, FM is probably the easiest VHF mode to implement. You'll have little trouble finding FM rigs to use; even an H-T can make a fine Field Day rig.

FM doesn't have the range of CW or SSB, but it is the most popular communications mode on the VHF and UHF bands. You'll find the greatest amount of FM simplex activity on the 2 meter band, although 6 meter FM may be worth a try as well. Remember that Field Day rules prohibit the use of repeaters. This means you'll have to hunt for contacts on the recognized simplex frequencies.

Unlike CW and SSB, most FM operators use vertically polarized antennas. To maximize your signal coverage, you'll want to use vertical polarization, too. A small beam antenna mounted in the vertical-polarity position (elements perpendicular to the ground) is one suggestion. An alternative is a simple omni-directional antenna such as a ground plane. Since most of your contacts will be local, an omni-directional antenna may be nearly as effective as a beam.

Packet

Depending on the packet activity in your area, this is one mode where you can really rack up the points! If you already have an FM station, all you need to add is a packet terminal node controller (TNC) and a computer running terminal software. I'll bet you know someone who has a TNC they'd allow you to borrow for the weekend. You'll probably be able to borrow or rent a computer as well. You'll find most packet activity concentrated on the 2 meter band between 144.91 and 145.09 MHz.

Remember that the use of digi-peaters is not allowed under Field Day rules. Many Field Day packet stations switch on their beacon function to automatically send CQ messages. Use this function with care! Limit your beacon rate to 1 transmission every five minutes. More frequent beacons cause congestion on the frequency for other users.

Satellites

Among the most active satellites during Field Day--and among the easiest to use--are the Radio Sputnik birds: RS-13, RS-15 and if it is available AO10. To make contacts through RS-15 you will need a 2 meter CW/SSB transceiver with 20 to 30 watts output and a 10 meter receiver. You can use a small beam antenna for the 2 meter uplink and a wire dipole for the 10 meter downlink. For RS-13, an HF rig with 10 and 15 Meter capability and a crossband split VFO is all you need (wire dipoles are fine for RS-13).

All of these satellites will make several good passes near your location during Field Day weekend. Each pass lasts about 15 minutes. You can determine the best times in advance by using a satellite tracking software program. Just write down the schedule times and you are all set.

Radio Sputnik Frequencies:

Uplink Passband	Downlink Passband
RS-13 - 21.260 -- 21.300	29.460 -- 29.500
RS-15 - 145.858 -- 145.898	29.354 -- 29.394

Do you have a dual band VHF/UHF FM rig that can receive below 437 MHz? If the answer is yes, try OSCAR 27, the FM repeater satellite. The input is 145.850 MHz and the output is 436.800 MHz. (At the beginning of the pass, listen on 436.810, switching to 436.800 by mid-pass). You can expect lots of action on this bird, so interference will be heavy. Also, remember that OSCAR 37 is active during daylight passes only.

If you can transmit SSB on 2 meters and receive on 70 cm, try OSCARs 20 and 29. Neither satellite is particularly active, even on Field Day, but they have excellent range and solid signals.

Fuji-OSCAR 20 - 145.900 -- 146.000	435.800 -- 435.900
Fuji-OSCAR 29 - 145.900 -- 146.000	435.800 -- 435.900

Some Final Considerations

When it comes to VHF/UHF operating, antenna height is everything (the only exception is satellite operation). To make the most of your VHF/UHF capability, you'll need to mount your antennas on portable supports or select a hill or mountain for your Field Day site. Feed line loss is substantial at VHF and UHF, so use the best coaxial cable you can find.

If you exploit the VHF/UHF bands to their full potential, you'll be surprised at how many points you'll add to your score. And if the HF bands are clear, VHF and UHF may save the day!