

APRIL 1992

FEEDBACK
THE OFFICIAL NEWSLETTER OF THE
GEORGIAN BAY
AMATEUR RADIO CLUB

Sponsoring
VE3OSR FM REPEATER 146.94 - Mhz
VE3OST PACKET DIGIPEATER AND NODE 145.01 & 145.63 Mhz

This Issue:

Presidents Message

Minutes of last GBARC meeting

CRRL Bulletin # 3

The latest in DX

Propogation Forecast

Space News

CRRL BANDPLANS FOR 6M, 2M ,220 AND 440

CLUB MEMBERSHIP LIST

SWAP SHOP

GBARC

The Georgian Bay Amateur Radio Club (GBARC) is based in Grey and Bruce Counties and meets at 7:30 P.M. sharp on the second Monday of each month, except July and August, in the O.S.C.V.I. staff cafeteria.

The club membership currently stands at about 50 from Owen Sound, Meaford, Markdale, Durham, Elmwood, Sauble, Mar, and places in between.

The Georgian Bay Club operates a 2-metre FM repeater on 146.940- at 1200 feet ASL at Woodford, just east of Owen Sound. VE3OSR is an open repeater and covers the area roughly from Collingwood to Port Elgin and from Durham to the Bruce Peninsula.. The Club also operates packet digipeater and nodes VE3OST and VE3OST-1. VE3OST is on 145.010 Mhz and VE3OST-1 is on 145.630 Mhz. Both of these TNC's are hardwired together so cross connecting is possible. The digi's/nodes are located on the Maclean Hunter site just east of Owen Sound on Hwy#26.

The GBARC net schedule is as follows:

Every Sunday at 09:30 hrs local on 3.783 Mhz and every

Wednesday evening at 21:00 hrs local on VE3OSR.

Any Amateur is invited to check in.

CLUB OFFICERS FOR 1991-92

President.....VE3TSA Tom St.Amand

Vice-President.....VE3CUV Ross Snider

Secretary-Treasurer.....VE3HIP Ian Trenholm

Technical-Director.....vacant

Program-Director.....vacant

Bulletin Editor.....VE3TSA Tom St.Amand

DUES

Annual dues for full club members are \$20.00

FEEDBACK

FEEDBACK, the Official Bulletin of the Georgian Bay Amateur Radio Club is published monthly, except July and August. Contributions, articles and letters are encouraged and should be sent to :

Tom St.Amand, VE3TSA, 1232 3rd Ave. East, Owen Sound, Ontario, N4K2L5

Contributions submitted via packet or on floppy disk (IBM format) is preferred.

INFORMATION

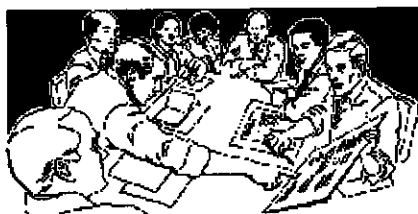
More information on Club Activities may be obtained from the Secretary-Treasurer, VE3HIP, 371-5479



Emissions from the Prime Modulator

WELL I'VE FINALLY BITTEN THE BULLET AND DECIDED TO RESURRECT THE CLUB BULLETIN ,HOPEFULLY IN A FORM THAT WILL BE OF SOME USE TO OUR MEMBERS. I AM USING A SOFTWARE PACKAGE CALLED KEY PUBLISHER TO MAKE UP THE NEWSLETTER THAT YOU SEE BEFORE YOU. IT HAS MANY FINE FEATURES AND A FEW DRAWBACKS BUT I THINK I WILL BE ABLE TO OVERCOME THEM IN TIME AND WITH PRACTICE HI. I AM GETTING A LOT OF INFORMATION VIA PACKET RADIO FROM VE3OVV IN KINCARDINE BUT I ENCOURAGE ALL OF YOU TO CONTRIBUTE TO THE SUCCESS OF THIS ENDEAVOUR BY SUBMITTING ARTICLES, LETTERS, FOR SALES, STORIES ABOUT YOUR FIRST STEPS IN RADIO, A REQUEST FOR HELP.....ANYTHING WOULD BE APPRECIATED.... THOSE WHO HAVE IBM PC TYPE COMPUTERS OR ARE ON PACKET CAN SUBMIT ELECTRONICALLY ON DISK OR OVER THE AIR. THIS WILL MAKE IT VERY EASY FOR YOU AND ME TOO!....OUR NEXT

CLUB MEETINGS ARE AS FOLLOWS APRIL 13 AND MAY 11....AND OUR BREAKFAST MEETINGS AT THE ALEXIS WILL BE APRIL 11, APRIL 25, MAY 9 AND MAY 30. I HOPE TO SEE YOU THERE AS I WILL BE ABLE TO DELIVER A LOT OF THESE NEWSLETTERS BY HAND AND THEREBY SAVE SOME POSTAGE AND AN ENVELOPE. IT WILL COST CLOSE TO A DOLLAR TO MAIL EACH ONE SO IF I MAILED THEM ALL IT WOULD SET US BACK AROUND \$500 A YEAR. A FEW DAYS AGO ONE OF OUR MEMBERS ASKED WHAT HE WAS GETTING FOR HIS \$20.00 DUES, I GUESS HE FELT HE WAS GETTING SHORT CHANGED SOMEHOW...BUT I'VE HAD A WHILE TO THINK ABOUT IT AND HERE'S WHAT I'VE COME UP WITH: 1.**MONTHLY MEETINGS** WITH THOSE OF LIKE INTERESTS 2.**REGULAR NEWSLETTER** TO KEEP US ALL UP TO SPEEEED 3.**FOX HUNTS** 4.**FIELD DAY** 5.**TRAINING COURSES** FOR PROSPECTIVE HAMS 6.**VE3OSR** 2 METRE REPEATER 7.**VE3OST/VE3OST-1** PACKET DIGI/NODES I'M SURE THERE ARE OTHERS BUT I'M GETTING TIRED OF TYPING HI. BUT NO MATTER HOW MANY ACTIVITIES ARE PLANNED OR HOW MUCH EQUIPMENT WE AQUIRE **IT IS UP TO US ALL** TO PARTICIPATE AND MAKE THINGS WORK. IN OTHER WORDS WE CAN'T LEAVE IT UP TO A FEW TO DO ALL THE WORK...PITCH IN..THE CLUB WILL BE WHAT WE MAKE OF IT....73 TOM



MINUTES OF LAST MEETING

Mar 9, 1992 at OSCVI Meeting opened at 7:40 P.M. by President Tom TSA, with 20 members and 2 guests in attendance. Guests were Ed Marson VE3ENM and Fred Leatham. The Minutes of meeting Feb 10 ,moved by Jack DTS, 2nd by Norm. Carried as written. In further discussion on the New Horizons grant, it was decided there is such a back-log of applicants, GBARC would try again next year. Ian HXX offered his power supply for use on the new digipeater, rather than the club purchasing a new supply. Much appreciated, Ian. Possible meeting places for the fall could be the Legion, providing 16 GBARC members at

least were Legion members. Only 2 or 3 are members, so no luck there. Thanks Jack TWK for the info. Tom TSA will check with the Orange Hall. Church halls, as well as Alexis restaurant are other possibilities.

NEW BUSINESS - Rick HIO advised 2 interface boards are now ready for VE3GBT repeater, FREE! Hard to beat that price, Rick. Discussion re possibility of adding a 6 metre hub to repeater later, if enough interest in this frequency. Another duplexer is available for GBT, Owen Sound. Charts showing the hubs and ULR links was distributed. Club members were asked to look for Gene, IJD and Jason UIC from Florida on 14.340 Mhz at 10:00 P.M. Assistance asked from members to help with ham classes this fall, possibly held at West Hill school. Discussion re our club could assist with the Big Brothers organization. **Mar 28, 1992 at Alexis resaturant** Norm MTV and Henry TTV agreed to be the nominating committee for our May election of officers and will make phone calls to the members. Gene, Ijd agreed to audit the books. Revisions to by-laws to be discussed at the April meeting. **Treasurers Report** Bank Balance as of Feb 29th, \$920.12. 50/50 draw added \$19.00 to our account and the winner was Ian HIP. Meeting adjourned by Cy,CC; seconded by Bob, LKD.

CRRL BULLETIN 03

MARCH 10, 1992

UPCOMING EVENTS

- Worked All Winnipeg QSO Party - April 11
 Durham Region (Ajax, ON) Fleamarket - April 11
 Ottawa Valley Mobile ARC Fleamarket - April 11
 ARRL Spring Sprint - 222 MHz - April 14
 Southern Ontario Packet (SOPRA, Oshawa, ON) Meeting - April 18
 ARRL Spring Sprint - 432 MHz - April 22
 Dayton (OH) Hamvention - April 24-26
 Ontario DX Association Convention (SWL, Toronto, ON) - April 25
 West Island (Lachine, PQ) Fleamarket - April 25
 CRRL "QST" QSO Award Party - April 26

Item 1:

WARC-92 is over. It appears that decisions made at WARC-92 will have minimal impact on the Amateur and Amateur Satellite services.

In ITU Region 1, the Mobile Service was upgraded from secondary to primary in the broad range of 1.7-2.45 GHz, including the 2.3-2.45-GHz band used by radio amateurs. The Mobile Service is already primary on 2.3-2.45 GHz in the rest of the world. Depending on how individual administrations implement their mobile services in this range, there could be implications for the Amateur and Amateur Satellite services.

With regard to the amateur 40-metre band, broadcasting was expanded to include 7300-7350 kHz. This expansion will take effect in 2007. Several European countries, particularly the United Kingdom, felt strongly this was not enough. As a result, they stated that they were no longer willing to entertain proposals to realign the 40-metre amateur band to, say, 6900-7200 kHz, or to increase the 40-metre amateur band from the present 7000-7100 kHz allocation in ITU Regions 1 and 3. Several countries in North and South America, particularly Canada and the US, then made it clear that they would not accept a reduction of the 40-metre amateur band from the present

7000-7300 kHz allocation in ITU Region 2. Thus, the status quo was maintained.

This does not preclude a change in the future. WARC-92 did adopt a recommendation that a future conference "should consider the possibility of aligning allocations to the Amateur Service around 7 MHz with due regard to the requirements of other services".

IARU was disappointed that there was no improvement in the amateur allocation at 40 metres. However, given the enormous pressures exerted, particularly on behalf of HF broadcasting interests, IARU considered it a victory that amateurs emerged unscathed at 7 MHz. It was a testimony to the fine preparatory work done by IARU member-societies around the world that delegates to WARC-92 did not solve its HF broadcasting problems at the expense of the Amateur Service.

Item 2:

To commemorate the 50th anniversary of the opening of the Alaska Highway, members of Prince George (BC) Amateur Radio Club will operate special event station CZ7Z on March 22-29 and May 29-31. A special commemorative QSL card will be available.

Item 3:

To commemorate the 75th anniversary of the Battle of Vimy Ridge, amateurs among the Canadian Armed Forces personnel stationed in Lahr, Germany, have received permission to operate from Vimy Ridge on April 5-10. A special call sign has been requested. Frequencies will include 3.685, 7.055, 14.145, 21.245 and 28.545-MHz SSB, and 3.515, 7.012, 14.020, 21.020 and 28.020-MHz CW. A special commemorative certificate will be available.

Item 4:

To generate more interest in contesting, the Canadian DX Association (CANAD-X) is sponsoring the Canadian Contest Championship. To participate in this competition, send CANAD-X a copy of your log for any of the following contests: ARRL DX SSB, ARRL DX CW, ARRL SS SSB, ARRL SS CW, ARRL 160-Metre, ARRL 10-Metre, CQ WW SSB, CQ WW CW, CQ WPX SSB, CQ WPX CW, CQ 160-Metre SSB, CW 160-Metre CW, CARF Canada Day Contest, CARF Canada Contest, IARU Radiosport, Commonwealth CW. The CANAD-X address is: Box 717, Station Q, Toronto, ON M4T 2N7.

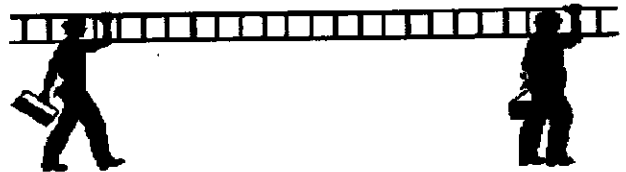
Item 5:

Speaking for AMSAT at the recent Miami Hamboree, Roy Neal, K6DUE, described AMSAT's most ambitious project to date: a Phase 3D satellite. It will carry receivers at 29 MHz, 436 MHz, 1.27 GHz, 2.40 GHz and 5.60 GHz, and high-power (80-250 watts) transmitters at 29 MHz, 145 MHz, 436 MHz, 1.27 GHz, 2.40 GHz, 5.60 GHz and 10 GHz. The satellite will extend 25 feet across at the tips of its solar panels and weigh in at 1100 pounds. High-gain antennas will permit amateurs using only a few watts of power and an omnidirectional antenna to access the satellite. Target date for the Phase 3D satellite, assuming that AMSAT can raise the four million dollars that will be needed to build it and place it into orbit: October, 1995.

Item 6:

Don't forget the 25th anniversary edition of the CLARA Contest, to be held on March 17-18. And in a late-breaking note, dates for the 1992 Bermuda Contest, originally scheduled for March 15-16, have been changed. The contest will now be held on March 21-22. Complete rules for both contests appear in March QST Canada.

73 DE VE3GRO @ VE3GYQ, CRRL, BOX 56, ARVA, ON N0M 1C0 AR



IT'S NOT TOO EARLY TO PLAN FOR FIELD DAY

DX Bulletin 18 April 3, 1992

Thanks to Steve, W9NUF, and the Northern Illinois DX Association, and Paul, KB1BE, and the Connecticut DX Association for the following DX information.

BANGLADESH. The Hungarian operation signing S2/HA5BUS has been active on 15 meter CW. QSL to the Globex Foundation, Box 49, 1311 Budapest, Hungary.

SOUTH SANDWICH. The VP8SSI DXpedition is slated to leave the island shortly. They may try to operate briefly at South Georgia on their way back to the Falklands. SSB QSLs go to AA6BB. Send CW and RTTY cards to KA6V.

SAO TOME. S9AGD by Eric, SM0AGD, is active until April 8 on all bands/modes, with special attention to CW and the WARC bands. QSL to his home call.

ALBANIA. ZA1TAJ was worked recently on 7005 and 14024 kHz at around 0230z. Other Albanian nationals have been active, notably ZA1TAA on 20 meters and ZA1TAC on 30 meters.

COCOS KEELING. VK9CL has been very active on CW, usually 4 or 5 kHz up from the band edge. He was worked on 7005 kHz at 0055z. This operation will be QRV until April 6. QSLs go via F6IMS.

HONG KONG. VS6WV is now active on 7 MHz CW around 1230z. QSL to K0TLM.

BOTSWANA. Dave, 9L1US, will begin a new assignment in early April. He will sign A22US. QSL via WA8JOC.

FROM THE ARRL QSL BUREAU. The QSL bureau in Seychelles, S7, and the bureau in Rwanda, 9X5, are no longer in operation. Amateurs wishing to verify contacts with Seychelles or Rwanda should either QSL direct or via QSL managers.

HOW TO QSL DX FROM SPACE. QSL cards for the STS-45/SAREX mission should be sent to the Sterling Park Amateur Radio Club, P.O. Box 599, Sterling Park, VA 22170. Include a large, business-size SASE. Mark on the envelope "STS-45 SWL" if you are looking for confirmation of a signal report. For two-way QSO confirmation, mark the envelope with "STS-45 QSL 2-WAY." Remember to include the date, time and signal report with each card. NNNN

Relayed from W1AW to packet with BID \$ARLD018 by KD3OA@NR3U.PA.USA.

Propagation Forecast Bulletin 14, April 4, 1992

Propagation over the past week was good, with some minor disturbances from a coronal hole on the Sun's surface, and a solar flare late in the reporting week. Although the Boulder K index only went as high as four on a couple of occasions, there were some aurora effects visible from the northern states.

Over the next week there isn't anything much different in the forecast. Solar flux should remain low, and will decline to about 150 around April 10. Then it should climb again toward a peak near 210 around April 25. Enjoy Spring propagation while you can.

American Sunspot Numbers for March 27 through April 2 were 194, 176, 185, 173, 161, 157 and 128, with a mean of 167.7. 10.7 cm solar flux for the same period was 180.7, 186.0, 192.8, 182.4, 191, 184.1 and 161.2, with a mean of 182.6. NNNN

Relayed from W1AW to packet with BID \$ARLP014 by KD3OA@NR3U.PA.USA.

SpaceNews

MONDAY APRIL 6, 1992

SpaceNews originates at KD2BD It is published every week and is made available for unlimited distribution.

* SAREX CONTACT IN BELGIUM * =

On Friday March 27, the Amateur Radio Station deployed in the European Space Center (Redu-Province of Luxemburg-Belgium) by ON4WF-ON4KVI contacted Dirk Frimout, ON1AFD, aboard the Shuttle Atlantis on orbit 49. During the contact, 2 young boys and girls questioned Dirk about the temperature and the speed of the Shuttle. ON4WF, ON4KVI, and ON1KLH also spoke with Dirk. A special telephone link was also established between the Johnson Space Center and Redu with the good help of ON7LE. The success of the SAREX contact was captured by several radio and TV and radio networks on Belgium. A special thanks to all who kept the downlink frequency (145.550 MHz) free of interference.

SAREX QSLs * =

Stations who either hear the Shuttle or actually make two-way radio contact with the Shuttle are eligible for SAREX QSLs. The QSL address is as follows: The Sterling Park Amateur Radio Club P.O. Box 599 Sterling, Virginia 22170 U.S.A. Include a large (number 10 or larger) self-addressed stamped envelope with your QSL. Please mark "STS-45 SWL" for a confirmation of a signal report, or "STS-45 QSL 2-way" for confirmation of a two-way QSO. Include the date, time, and signal report with your QSL.

* SATELLITE SWL REPORT * =

The following is a list of satellites and corresponding beacon frequencies which constitute a log of signals received by Lawrence Harris of Plymouth, England:

Report for February 1992

NOAA 9 Off 137.62 MHz all months during clash with NOAA 11.

NOAA 10 On until the 20th. Off during clash with NOAA 12. Back on 29th.

NOAA 11 On 137.62 MHz. Normal operations all month.

NOAA 12 On 137.50 MHz. Normal operations all month.

NOAA 13 Not heard.

METEOR 3-3 (89-86A) Off all month.

METEOR 3-4 (91-30A) 137.30 MHz. Continuous TX all month. Infrared during night part of orbit, then visible during sunlight. Change from visible to infrared is instantaneous for some passes, but on others, it changes first to bars only for four minutes, then bars and white level for one minute, then normal IR. No obvious correlation with anything.

METEOR 3-5 (91-56A) Off all month.

METEOR 2-19 137.85 MHz. On from the 11th on southbound orbits (sunlit only).

METEOR 2-20 137.85 MHz. On until the 11th, in sunlight only.

FENGYUN 1-2 137.80 MHz. Carrier only. Heard some passes.

METEOSAT-3 1691 MHz. Fair signal from its position at 50 degrees west.

METEOSAT-4 1691/1694 MHz. Normal operations. See METEOSAT-5. METEOSAT-5 Used for image collection for several days. Pictures relayed by METEOSAT-4. GOES-2 1691 MHz. TX normal, but weak from UK. Elevation varies from one to about 20 degrees. Unstabilized.

OKEAN 3 137.40 MHz. No pictures received.

UoSAT-2 (14781) Heard occasionally on 145.825 MHz.

DO-17 Heard on 145.825 MHz.

MOS 1 & -B Heard regularly on 136.12 MHz.

MIR TX heard regularly on 143.625 MHz.

MAGION 3 Confirmed on 137.85 MHz (Not APT!).

COSMOS 2100 Heard on 149.97 MHz.

COSMOS 2142 Heard regularly on 150.03 MHz. COSMOS 2004 Heard regularly on 149.94 MHz.

Transit 5BN 5 Heard regularly on 136.65 MHz. PROSPERO (X3) Heard regularly on 137.56 MHz.

Signal (noise?) heard occasionally on 137.15 MHz. Signal heard on 137.44 MHz heard regularly, but not identified. Signal on 150.000 heard. Origin unknown. Signal on 137.44 heard, but not yet identified.

Lawrence Harris writes the "Info In Orbit" column in the periodical Short Wave Magazine.

*** DECAY NOTICE * =====**

NASA has reported that SOYUZ TM-13, object 21735 (1991 069A), decayed in the Earth's atmosphere on March 25, 1992.

*** FEEDBACK/INPUT WELCOMED *** = Mail to SpaceNews should be directed to the editor (John, KD2BD) via any of the following paths:

FAX : 1-908-747-7107 UUCP : ...ocpt.ccur.com!ka2qhd!kd2bd

BITNET : ...princeton!ocpt!ka2qhd!kd2bd

PACKET : KD2BD @ NN2Z.NJ.USA.NA INTERNET : kd2bd@ka2qhd.de.com -OR-
kd2bd%ka2qhd@ocpt.ccur.com

MAIL : John A. Magliacane, KD2BD Department of Electronics Technology Advanced Technology Center Brookdale Community College Lincroft, New Jersey 07738 U.S.A.

<=- SpaceNews: The first amateur newsletter to be read in space! -=>

MARCH 1992 THE CANADIAN RADIO RELAY LEAGUE BANDPLAN

BAND: 50 - 54 MHz

STATUS: EXCLUSIVE

FREQUENCY (MHz) UTILIZATION

50.0 - 50.050 CW / BEACONS / MOONBOUNCE

50.050 - 50.1 CW / BEACONS

50.1 CW CALLING FREQUENCY

50.1 - 50.6 SSB and AM MODES (BANDWIDTH \leq 2.3 KHz) 50.105 - 50.115 DX WINDOW (LISTEN FOR DX HERE)(4)

50.110 DX WINDOW CALLING FREQUENCY (4)

50.125 NATIONAL SSB CALLING FREQUENCY

50.4 AM CALLING FREQUENCY

50.6 - 51.0 EXPERIMENTAL MODES (1)

50.7 RTTY,AMTOR CALLING FREQUENCY

50.8 - 50.98 RADIO CONTROL OF MODELS, TEN CHANNELS ON A 20 KHz RASTER

51 - 51.1 PACIFIC (ZL) DX WINDOW (SSB/CW ONLY) (3)

51.1 - 52 FM VOICE SIMPLEX, AND PACKET (1)

51.7 NATIONAL SIMPLEX PACKET CALLING FREQ

52 - 52.05 PACIFIC (VK) DX WINDOW (SSB/CW ONLY) (3)

52.525 NATIONAL FM CALLING FREQUENCY 52 - 53 FM VOICE REPEATER INPUTS (2)

53 - 54 FM VOICE REPEATER OUTPUTS

Footnotes:

1) In North America the following frequencies are suggested for Packet digipeater and packet scatter operation:
50.62/51.62 50.68/51.68 50.76/51.76 For co-located voice and packet repeaters, use high (input) and low (output) to provide maximum mutual frequency isolation.

2) SEE TABLE OF REPEATER PAIRS

3) AMATEURS ARE REQUESTED TO AVOID USING FM OR OTHER WIDE BAND MODES ON THESE FREQUENCIES TO MINIMIZE INTERFERENCE TO AUSTRALIAN AND NEW ZEALAND AMATEURS WORKING INTO REGION 2 ON SSB/CW.

4) NORTH AMERICAN AMATEURS ARE REQUESTED TO AVOID CALLING "CQ DX" ON 50.110 MHz.

MARCH 1992: CANADIAN RADIO RELAY LEAGUE BANDPLAN

BAND: 144 - 148 MHz

STATUS: EXCLUSIVE

FREQUENCY (MHz) UTILIZATION

144 - 144.1 MOONBOUNCE AND TERRESTRIAL CW

144.1 C CW CALLING FREQUENCY

144.1 - 144.2 CW/SSB WEAK SIGNAL

144.2 S SSB CALLING FREQUENCY

144.2 - 144.275 AM NARROW BAND MODES (ACSSB, SSB BW \leq 2.5 KHz)

144.275 - 144.3 PROPAGATION BEACONS

144.3 - 144.5 O EXCLUSIVE OSCAR SUB BAND

144.5 - 144.6 R/T FM REPEATER INPUTS PRIMARY, LINEAR TRANSLATOR INPUTS SECONDARY

144.6 - 144.9 R FM REPEATER INPUTS

144.9 - 145.1 P PACKET (See footnote 1)

145.1 - 145.2 R/T FM REPEATER OUTPUTS PRIMARY, LINEAR TRANSLATOR OUTPUTS SECONDARY

145.2 - 145.5 R FM REPEATER OUTPUTS

145.5 - 145.8 E EXPERIMENTAL MODES (See footnote 2)

145.8 - 146.0 O EXCLUSIVE OSCAR SUB BAND

146.01 - 146.37 R FM REPEATER INPUTS

146.4 - 146.58 FM SIMPLEX (See footnote 3)

146.52 F NATIONAL FM CALLING FREQUENCY

146.61 - 147.39 FM REPEATER OUTPUTS

147.42 - 147.57 FM SIMPLEX

147.6 - 147.99 FM REPEATER INPUTS

Footnotes:

(1) Digital (Packet) operations on 20 KHz channelling 144.91 through 145.09 MHz. 10 channels.

(2) Operation in this sub-band is on a TEMPORARY basis for experimentation and development work. CRRL requests that the frequencies such as 145.5, 145.525, 145.55 and 145.750 MHz be kept clear for INTERNATIONAL Space Shuttle and MIR FM voice communications. CRRL urges Amateurs to conduct experiments on other bands such as 50 MHz, 220 MHz, where utilization is high on 2 metres.

(3) The frequencies 146.40, 146.43, 146.46 MHz continue to be used as repeater inputs in some areas.

APRIL 1992

FEEDBACK

MARCH 1992 (NOTE PROPOSED CHANGES APRIL 1991)

THE CANADIAN RADIO RELAY LEAGUE BANDPLAN

STATUS: EXCLUSIVE

BAND: 220 - 225 MHz

FREQUENCY (MHz) UTILIZATION

220 - 221 WW HIGH DATA RATE DIGITAL (≥ 4800 B) ** MAX BW 100 KHz,

220.55 - 220.95 MHz DUPLEXED TO 430.05 - 430.45 MHz (2)

221.01 - 221.09 PP PACKET (≤ 2400 B), 20 KHz CHANNELLING

221.1 - 221.95 DIGITAL

222 - 222.3 CW, SSB

222 - 222.05 EME Exclusive

222.05 - 222.1 CW

222.1 National CW Calling Frequency

222.1 - 222.275 SSB

222.2 National SSB Calling Frequency

222.275 - 222.3 Propagation Beacons

222.310 - 223.37 Repeater Inputs

223.390 - 223.490 DATA - High Speed Data (Local option cross band duplexed to 430 MHz, or 1300 MHz.)

223.49 - 223.59 FM Voice Simplex

223.59 - 223.89 DATA

223.59 - 223.69 High Speed Data (Local Option 1 - 100 KHz channel, or 3 - 30 KHz Channels, 223.605, 223.635, 223.665)

223.685 - 223.805 Narrow Band Packet (4 channels, Max BW KHz each centred at 223.7, 223.73, 223.76, 223.79)

223.790 - 223.890 High Speed Data (local option as 223.39 - 223.49) 223.91 - 225 Repeater Outputs

1. See table of repeater pairs
2. Links must be designed to limit emissions into the U.S.

MARCH 1992: THE CANADIAN RADIO RELAY LEAGUE BANDPLAN

STATUS: SECONDARY

BAND: 430 - 450 MHz

FREQUENCY (MHz) UTILIZATION

430 - 431.25 DIGITAL MODES

430.05 - 431.25 WW HIGH RATE DATA, ≥ 4800 B (1)

431.25 - 432.75 WEAK SIGNAL/ NARROW BAND AM MODES BANDWIDTH (≤ 2.5 KHz)

432.0 MOONBOUNCE (INTERNATIONAL)

432.1 SSB/CW WEAK SIGNAL CALLING FREQUENCY

432.2 SSB CALLING FREQUENCY (LOCAL)

432.3 - 432.4 PROPAGATION BEACONS

432.4 - 432.75 MIXED MODE NARROW BAND EXPERIMENTATION

433 - 434 WW DIGITAL EXCLUSIVE (≥ 4800 B)

434 - 434.5 PP DIGITAL EXCLUSIVE (≤ 2400 B)

434.5 - 434.8 NARROW BAND REPEATER LINKS AND AUXILIARIES

435 - 438 SATELLITE (INTERNATIONAL, EXCLUSIVE)

438 - 444 NATIONAL AMATEUR FAST SCAN TV *** 439.25 VIDEO CARRIER FREQUENCY

442 - 445 REPEATER OUTPUTS (2)

445 - 447 PP FIXED REPEATER LINKS, SIMPLEX 446 NATIONAL FM CALLING FREQUENCY

447 - 450 REPEATER INPUTS

(1) 100 KHz channelling, 430.05 through 430.95 inclusive 430.05 - 430.45 cross band linked to 220.55 - 220.95 MHz and 430.55 - 430.95 cross band linked to 1299.05 - 1299.95 MHz.

(2) See table of repeater pairs

MEMBERSHIP LIST

PRESIDENT

* VE3TSA TOM ST.AMAND

VICE-PRESIDENT

* VE3CUV ROSS SNIDER

SECRETARY-TREASURER

* VE3HIP IAN TRENHOLM

* VE3AEO TED SCARROW

VE3AKB ALLAN BURCHART

* VE3AUB JACK BARRETT

* VE3BFV JIM HARRON

VE3BIS DICK SHAVE

VE3BZC ROSS MILLS

* VE3CC CY COLE

* VE3CRV JIM VAMPLEW

* VE3DIQ BILL DOWKES

* VE3DKF JIM FOOTE

* VE3DTS JACK AVIS

* VE3DXO DAVE DIXON

* VE3EBM ROY MARGETTS

* VE3FFN WALTER STOYKO

VE3HIO RICK SLACK

* VE3HMZ BILL CLIFFORD

* VE3HXX IAN SUTHERLAND

* VE3IEV JOHN COTTRELL

* VE3IJD GENE MCDONALD

* VE3IOD GARY BELL

* VE3IXR MURRAY LONG

VE3JUO DON FINLAYSON

* VE3LKD BOB DROINE

* VE3LPD LAVERNE WYVILLE

* VE3LPT MOE HURLBUT

* VE3MTV NORM BIGGAR

* VE3NEM TOM MERNER

* VE3RHJ BRAD RODRIGUEZ

* VE3RLW ROB WALLINGTON

* VE3RSV RALPH SHARP

* VE3TFQ JIM ROWE

* VE3TFV KEN SLACK

* VE3TTV HENRY VANDERHEIDE

* VE3TUM RICK MCGILLIVRAY

* VE3TUP KLASS VANDERHEIDE

* VE3TUQ AUBREY ALDERDICE

* VE3TUS BARRIE DOHERTY

* VE3TWI OKKE BOS

* VE3TWK JACK DOHERTY

* VE3TWL CATHY WALLINGTON

* VE3TXB JOHN APSITIS

* VE3UIC JASON MCDONALD

* VE3VTO DON SLOANE

* VE3WNW BILL WALPOLE

* VE3WWS VILHO SALMELA

* VE3XOX BOB VARY

* SWL STAN GUZONAS

* SWL DAN HANINGTON

TOTAL MEMBERSHIP = 51

* = 1992 DUES PAID

R(3) 28 MAR 92



short bits

Brass Brats Slow CW Net

Presents

CW Traffic Handling Training

Where: 3.702.5 MHz

When: Sundays, Wednesdays and Friday nights at 8:45pm (local time)

The Brass Brats Net welcomes you to join in on our formal traffic handling training sessions. This is an excellent opportunity for those of you who have been curious to know what QNI means when you are monitoring the Ontario Quebec Net. :-) The net operates at about 10 WPM.

For more information, please send me a note and pass this info on to anyone you may think is interested. I can be reached on ONTARS, TP NET and ve3wrn @ ve3euk.#swon.can.na

SPECIAL EVENT STATION : ZS25NSRI 18-25TH APRIL 1992

THE NATIONAL SEA INSTITUTE (OF SOUTH AFRICA) WILL OPERATE SPECIAL EVENT STATIONS TO CELEBRATE 25 YEARS OF SERVICE. STATIONS WILL OPERATE FROM BASES ALONG THE SOUTH AFRICAN COASTLINE AND ALSO INLAND WATERS. OPERATORS WHO MAKE CONTACT WITH THESE N.S.R.I STATIONS CAN RECEIVE A SPECIAL QSL CARD AND WILL

PARTICIPATE IN A DRAW WHICH COULD RESULT I AN AMATEUR RADIO STATION WINNING A MAGNIFICENT DIAMOND. A SPECIAL COMMEMORATIVE CERTIFICATE WILL ALSO BE AWARDED TO ALL AMATEUR STATIONS REPRESENTING RESCUE INSTITUTES WORLD WIDE, WHO MAKE CONTACT WITH ANY OF THE N.S.R.I AMATEUR STATIONS IN SOUTH AFRICA. SO PLEASE MAKE CONTACT WITH YOUR NEAREST BASE AND TAKE PART IN THIS VERY WORTH WHILE EVENT. WE WILL OPERATE ON ALL AMATEUR BANDS AND LOOK FORWARD TO YOUR JOINING US ON THE AIR.

QSL INFO : PO BOX 1139 : WESTVILLE : REP OF SOUTH AFRICA ZIP: 3630

BEST 73'S TONY FOX (ZS5TF) HAPPY DX.

***** INTERNATIONAL CONTESTCALENDAR - 92/04/05.....

Issued by CARF Pacific Region Office - VE7VCA

Canadian Amateur Radio Federation

CONTEST CALENDAR 1992----- Apr 11-12 MARAC SSB County Hunter's

Apr 18-19 SARTG WW AMTOR Contest Apr 25-26 Swiss Helvetia

Contest

Apr 25-26 Georgia QSO Party

May 2-3 ARI International QSO Party

May 2-3 Oregon QSO Party

May 30-31 CQ WW SSB CW CONTEST

Jun 13-15 ARRL June VHF QSO Party

Jun 27-28 ARRL Field Day

JULY 1

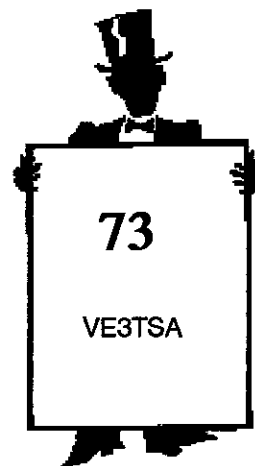
**** CANADA DAY CONTEST ****

July 11-12 IARU HF World Championship

Courtesy John Dorr K1AR and CQ Magazine and The Canadian Amateur Magazine.

FOR CONTEST DETAILS ---

CONSULT CQ OR THE CANADIAN AMATEUR





SWAP SHOP

For Sale:

Ramsey FTR-146 2 Meter PLL Synthesized FM Transceiver 144.0 - 147.995 MHz coverage.

6 Channel (diode programmed). Output 6 Watts, RX sensitivity < 0.25 uv. Ideal for packet radio. Has packet connector on back.

Original cost \$175 US (no mic.) Will sell for \$175 CDN with Icom Speaker/Mic.

If interested call Bill VE3EC @ (416) 681-0509 [Burlington] (see review in 73 mag, Dec 91 (pg. 18)

FOR SALE:

AMECO PRE-AMP FOR AN HF RIG IT COVERS 160 THRU 6 MTRS

\$25.00

FLUKE 8000A DESKTOP MULTIMETER 3 1/2 DIGITS LED DISPLAY \$75.00

MOTOROLA MTX320 HANDHELD-CURRENTLY CRYSTALLED FOR 150.74 Mhz WITH DESK CHARGER AND MANUAL

\$100.00

CALL VE3TSA 519-371-9805

WANTED

DUMB TERMINAL- VE3TFV

ANTENNA SWITCH - VE3TSA

Minutes of meeting Mar. 9th ,1992.

Action Meeting opened at 7:40 p.m. by President Tom TSA. with 20 members and
By: 2 guests in attendance. Guests were Ed. Marson Ve3ENM and Fred
Leatham.
Minutes of Meeting Feb. 10th , moved by Jack DTS, 2nd by Norm MTV.
Carried as written.

In further discussion on the New Horizons grant, it was decided there
is such a back-log of applicants ,GBARC would try again next year.

Ian HXX offered his power supply for use on the new repeater, rather
than the club purchasing a new supply. Much appreciated , Ian .

Possible meeting places for the fall could be the Legion, providing
16 GBARC members at least were legion members. Only 2 or 3 are
members, so no luck there. Thanks Jack TWK for the info.
TSA Tom TSA will check with the Orange Hall.Church halls ,as well as
Alexis restaurant are other possibilities.

New Business:

Rick, H10 advised 2 interface boards are now ready for Ve3GBT
repeater, Free ! Hard to beat that price , Rick.
Discussion re possibility of adding a 6 Metre hub to the repeater
later, if enough interest in this frequency. Another duplexer is
available for RBT , Owen Sound.

Charts showing the hubs and the ULR links were distributed.
Club members were asked to look for Gene, IJD and Jason UIC from
Florida on 14.350 mhz at 10:00 p.m.
TWK Assistance asked from members to help with the ham classes this fall,
possibly held at West Hill school. Discussion re our club could assist
with the Big Brothers organization.

Tom, TSA reports that Bay Communications have software for packet for
the IBM compatible and the Commodore 64 computers.
Next meeting OSCVI , April 13th,1992.

At short breakfast club meeting of Mar. 28th:
MTV Norm MTV and Henry TTV agreed to be a nominating for our May election
TTV of officers and will make phone calls to the members.
IJD Gene, IJD agreed to audit the books. Revisions to by-laws to be
discussed at the April meeting.

Treasurers Report:

Bank balance as of Feb. 29th, \$ 920.12.
50/50 draw added \$ 19.00 to our account and the winner was Ian HIP.

Meeting adjourned by Cy, CC ; seconded by Bob, LKD.

ATTENDANCE RECORD - G.B.A.R.C.

MEETING DATE : Mar 9/92

	<u>Name:</u>	<u>Call</u>	<u>Member (M.) or Guest (G.)</u>
1	Jan Lushhorn	VE3HIP	M
2	Jack Auis	VE3DTS	M
3	Good Leatham		<input checked="" type="checkbox"/>
4	Roy Margetts	VE3-EBM	M
5	John Dossis	VE3TBX	M
6	Norm Biggar	VE3MTV	M
7	Bill Cliffin	VE3AMZ	M
8	By Bob	VE3CC	M
9	Jerry Van der Heide	VE3TTV	M
10	Has computer Deede	VE3TUP	M
11	Ken Slack	VE3TFV	M
12	Jan Sutherland	VE3HXX	M
13	Ed Marson	VE3ENM	G
14	RICK Mc Gillivray	VE3TUM	M
15	BOB VARY	VE3XOX	M
16	LACK DOHERTY	VE3TWK	M
17	BARRIE DOHERTY	VE3TUS	M
18	DONALD SLOANE	VE3VTO	M
19	Stam Sganon		F
20	DAVE DIXON	VE3DXO	M
21	RICK SLACK	VE3HIO	M
22	Bob Irvine	LKD	M