

APRIL 1993

FEEDBACK

THE OFFICIAL NEWSLETTER OF THE
GEORGIAN BAY AMATEUR RADIO CLUB

Sponsoring

VE3OSR FM REPEATER 146.940- Mhz WOODFORD
VE3OST FM REPEATER 145.290- Mhz OWEN SOUND
VE3GBT FM REPEATER 146.895- Mhz BARROW BAY



GBARC 20th ANNIVERSARY

MEMBERSHIP

VE3AEO TED	VE3MVS MERV
VE3AUB JACK	VE3MWU NICK
VE3BFV JIM	VE3NEM TOM
VE3BIS DICK	VE3RHJ BRAD
VE3BZC ROSS	VE3RLW ROB
VE3CC CY	VE3RVG GERRY
VE3CAH CAROL	VE3TDF PAT
VE3CRV JIM	VE3TFQ JIM
VE3CUV ROSS	VE3TFV KEN
VE3DIQ BILL	VE3TSA TOM
VE3DKF JIM	VE3TTV HENRY
VE3DQC DAN	VE3TUK RUSS
VE3DTS JACK	VE3TUM RICK
VE3DXO DAVE	VE3TUP KLAAS
VE3EBM ROY	VE3TUQ AUBREY
VE3FFN WALTER	VE3TUS BARRIE
VE3GDH DEREK	VE3TWI OKKE
VE3HIO RICK	VE3TWJ DAVE
VE3HIP IAN	VE3TWK JACK
VE3HMZ BILL	VE3TWL CATHY
VE3HXX IAN	VE3TXB JOHN
VE3IJD GENE	VE3TYL JIM
VE3IEV JOHN	VE3UIC JASON
VE3ILO BERT	VE3UUL JOHN
VE3INP JOHN	VE3UWD HENRY
VE3IOD GARY	VE3UWW JERRINE
VE3IXG DOUG	VE3UWX MORRIS
VE3IXR MURRAY	VE3VTO DON
VE3JLZ JACK	VE3WNW BILL
VE3LKD BOB	VE3WWS VIHLO
VE3LPD LAVERNE	VE3XOX BOB
VE3LPT MOE	SWL STAN
VE3MTG LARRY	N5ZIK JACK
VE3MTV NORM	

GBARC

The Georgian Bay Amateur Radio Club, founded in 1973, is based in Grey and Bruce counties. The club meets at 7:30 P.M. sharp on the second Tuesday of each month, except July and August, at the Billy Bishop Airport.

NET SCHEDULE

Sunday 09:30 hrs 3.783 Mhz SSB
WEDNESDAY 20:30 HRS 3.670 Mhz CW

CLUB OFFICERS

President _____ VE3XOX Bob Vary
Vice-President _____ VE3IJD Gene McDonald
Sec-Treasurer _____ VE3HIP Ian Trenholm
Technical-Director _____ Vacant
Program-Director _____ Vacant
Bulletin Editor _____ VE3TSA Tom St.Amand

FEEDBACK

The official bulletin of the Georgian Bay Amateur radio club, published monthly, except July and August. Contributions of articles/letters are encouraged and should be sent to

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

DUES

\$25.00 per year

This Issue:

Minutes of last GBARC Meeting

IARU HF BANDPLANS

SHORT BITS

TEDS' TIDBITS

FOR SALES / WANTS

UPCOMING EVENTS

NEXT GBARC MEETING

APRIL 13th 1993

MAY 11th 1993

BREAKFAST MEETINGS:

APRIL 10th & 24th 1993

MAY 8th & 29th 1993

MINUTES OF THE LAST GBARC MEETING

Minutes of meeting March 9th 1993 Meeting opened at the Owen Sound Billy Bishop Airport at 7:40 P.M. with 30 members and 2 guests present. Guests were Henry

Christiansen, VE3BYU from Durham and Gerry Banks, VE3UWZ from Southampton. President, Bob XOX extended a warm welcome on behalf of the club. Minutes of February 9th 1993 meeting adopted as written by Tom TSA, seconded by Dick BIS.

OLD BUSINESS Bob XOX, gave an update on club incorporation plans. As we are a non-registered organization, 10 founding members with their occupations must be filed with the lawyer. Bob started the list with the present executive and worked his way down the club membership list. He phoned each and asked if they are willing to let their name be listed. He now has the list completed and will be read at the next meeting. Jerry FYA, has not heard as yet from CQ magazine editor, re: the contact made by the scout group in Ohio. A package of material for the club is expected. A reminder that the club breakfasts will now be held at the Esso station in their lunch room at the N.E. corner of the Rockford bypass. We may ask permission to change table arrangements. Bob XOX, will follow up re: the antenna at the Maclean Hunter site. One may not be in place now for our use. Tom TSA and Rick HIO, gave reports on progress of VE3GBT and VE3OST. Some cross interference and tone problems to work out before installations. The UHF link and power supply is ready to go. If needed, Rick HIO stated that a tower and antenna could be installed at his Dads' place, Ken-Air communications, in the industrial park, Owen Sound.

NEW BUSINESS For the club flea market arrangements, a committee of 3 members, Jack TWK, Ross BZC, and Ian HIP; agreed to look into possible sites and dates. Dates of other flea markets must be taken into consideration. After incorporation date, liability insurance will be taken out for club installations and public shows etc. As election time coming up, Tom TSA reviewed the club constitution and by-laws. A nomination committee of Rick HIO and Jim TYL, agreed to phone members regarding standing for club executive positions for the club year 93-94. Noted that the Telsat group at Allan park have a net on Monday night on the 146.730-repeater at 8:30 P.M. Gene IJD, demonstrated at beam for 440 MHz. These are assembled and sold by Tim Mckinlin, VE3SSM of Lucan Ont. These have 10db gain, \$55.00 delivered to door. He also makes a beam for 144 Mhz, 12 element for \$130.00. Bob XOX, sent out a request on packet for information on speech synthesizers to assist visually impaired amateurs. A lot of response, both on packet and the twisted pair form across Canada and the U.S. Gene IJD, showed a tnc made by Kantronics, a 1200 Baud unit, (kpc3). The unit sells for \$188.00 including taxes. VE3cc CY, Ian HXX, Ian HIP and Roy EBM, relayed stories about how they got interested in ham radio years ago. This was enjoyed very much by the group. Also congratulations to Ted AEO and his wife on celebrating their 50th wedding anniversary. 50/50 draw won by Dave DXO.

UPCOMING HAMFESTS - PICKERING DURHAM REGION AMATEUR RADIO AND COMPUTER FLEA MARKET Saturday, April 3, 1993 Time: 9:00am to 2:00pm Where: Pickering High School Admission: \$5.00

Directions: COMING FROM THE EAST on 401 take Westney Road north to Hwy 2. Turn west on Hwy 2 to Church St. Turn north on Church St. School will be ahead on left side of Church St. COMING FROM THE WEST on 401 take Brock Road north to Hwy 2. Turn east on Hwy 2 to Church St. Turn north on Church St. School will be ahead on left side of Church St. Tables: \$12.00 per 6ft + admission Reservations - call Ron (416) 839-3711 Talk-in: VE3SPA - Input 147.975 Output 147.375 VE3OSH - Input 147.720 Output 147.120

SAT. MAY 15TH ETOBICOKE Skywide Amateur Radio Club Free parking. Door prizes. Refreshments. When: Saturday May 15th, 1993. Time: 8:30 A.M. - 2:30 P.M. (Vendor set up at 7:30 A.M.) Where: Westway United Church 8 Templar Dr. Etobicoke. Admission: \$4.00

Directions: Westway United Church backs on Kipling. Templar is first east of Kipling. You get to Templar from Kipling via Holywell which is 4 blocks south of Dixon Rd and one block north of the Westway. Watch for signs. If you are driving east on 401, exit at Eglinton Ave., go to Kipling and go north on Kipling. If you are driving west on 401, exit at Islington (south) and go south to Eglinton, west on Eglinton to Kipling, then north. If you are driving on the QEW or Gardiner, go to Kipling exit drive north. (if you know your way around go up 427 to Eglinton, its much faster.) Tables: \$10.00 (Includes one admission) Reserve early for the best tables. General: For more information call John Young VE3CRB at 244-1292 or Bert Arnold VE3AXJ at 741-2862. Talk-In: 146.985 (Repeater) 146.520 (Direct)

THE SWAN NET

MEETS EVERY SUNDAY AT 5 P.M. EST ON 14.250 +/- ? IF QRM. THE NET MAMAGER IS DEAN LANG WA9AZK. FOR MORE INFO WRITE TO DEAN AND SEND A LARGE S.A.S.E. AND A FEW BUCKS TO COVER COPY EXPENCES. ADDRESS IS; DEAN LANG WA9AZK 3256 E. BELL OAKS CR. SANDY, UTAH 84092

The OFFICIAL Newsletter of the Georgian Bay Amateur Radio Club

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IARU HF Band Plans

Supplied By Thomas B. Atkins, VE3CDM
Vice President, IARU Region 2

Region 1		Region 2		Region 3	
1800 - 1838 1838 - 1840 1840 - 1842 1842 - 2000	CW RTTY RTTY/Phone Phone	1800 - 1830 1830 - 1840 1840 - 1850 1850 - 2000	CW DIGIMODE (DX CW window) Phone (DX Phone window) Phone	1800 - 1830 1830 - 1834 1834 - 1840 1840 - 2000	CW RTTY CW Phone
3500 - 3510 3510 - 3580 3580 - 3590 3590 - 3600 3600 - 3620 3620 - 3730 3730 - 3740 3740 - 3775 3775 - 3800	DX CW CW RTTY Packet RTTY/Phone Phone SSTV/FAX/Phone Phone DX Phone	3500 - 3510 3510 - 3580 3580 - 3620 3620 - 3635 3635 - 3645 3645 - 3750 3750 - 3775 3775 - 3800 3800 - 3840 3840 - 3850 3850 - 4000	DX CW CW DIGIMODE Packet/DIGIMODE DIGIMODE CW/Phone Phone DX Phone Phone SSTV/Phone Phone	3500 - 3510 3510 - 3535 3535 - 3775 3775 - 3800 3800 - 3900	DX CW CW Phone DX Phone Phone
7000 - 7035 7035 - 7040 7040 - 7045 7045 - 7100	CW RTTY/SSTV/FAX RTTY/FAX/Phone Phone	7000 - 7035 7035 - 7040 7040 - 7050 7050 - 7080 7080 - 7100 7100 - 7166 7166 - 7176 7176 - 7300	CW DIGIMODE Packet/DIGIMODE Phone DX Phone Phone SSTV/Phone Phone	7000 - 7025 7025 - 7030 7030 - 7040 7040 - 7300	CW Narrowband Narrowband/ CW/Phone Phone
10100 - 10140 10140 - 10150	CW RTTY	10100 - 10130 10130 - 10140 10140 - 10150	CW DIGIMODE Packet/DIGIMODE	10100 - 10140 10140 - 10150	CW Narrowband
14000 - 14070 14070 - 14090 14090 - 14099 14099 - 14101 14101 - 14225 14225 - 14235 14235 - 14350	CW RTTY Packet Beacons Phone SSTV Phone	14000 - 14070 14070 - 14095 14095 - 14099 14099 - 14101 14101 - 14112 14112 - 14225 14225 - 14235 14235 - 14340 14340 - 14350	CW DIGIMODE Packet Beacons Packet/Phone Phone SSTV/Phone Phone Emergency/Phone	14000 - 14070 14070 - 14099 14099 - 14101 14101 - 14112 14112 - 14225 14225 - 14235 14235 - 14350	CW Narrowband Beacons Narrowband/Phone Phone SSTV/Phone Phone
18068 - 18100 18100 - 18110 18110 - 18168	CW RTTY Phone	18068 - 18100 18100 - 18105 18105 - 18110 18110 - 18168	CW DIGIMODE Packet Phone	18068 - 18100 18100 - 18110 18110 - 18168	CW Narrowband Phone
21000 - 21080 21080 - 21100 21100 - 21120 21120 - 21149 21149 - 21151 21151 - 21335 21335 - 21345 21345 - 21450	CW RTTY Packet CW Beacons Phone SSTV/Phone Phone	21000 - 21070 21070 - 21090 21090 - 21125 21100 - 21149 21149 - 21151 21151 - 21335 21335 - 21345 21345 - 21440 21440 - 21450	CW DIGIMODE Packet CW Beacons Phone SSTV/Phone Phone Emergency/Phone	21000 - 21070 21070 - 21125 21125 - 21149 21149 - 21151 21151 - 21335 21335 - 21345 21345 - 21450	CW Narrowband CW Beacons Phone SSTV/Phone Phone

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Region 1	Region 2	Region 3
24890 - 24920 CW 24920 - 24930 RTTY 24930 - 24990 Phone	24890 - 24920 CW 24920 - 24925 DIGIMODE 24925 - 24930 Packet 24930 - 24990 Phone	24890 - 24920 CW 24920 - 24930 Narrowband 24930 - 24990 Phone
28000 - 28050 CW 28050 - 28120 RTTY 28120 - 28150 Packet 28150 - 28190 CW 28190 - 28300 Beacons 28300 - 28675 Phone 28675 - 28685 SSTV/Phone 28685 - 29200 Phone 29200 - 29300 Packet/NBFM 29300 - 29500 Satellites 29500 - 29700 Phone	28000 - 28070 CW 28070 - 28120 DIGIMODE 28120 - 28189 Packet 28189 - 28201 Beacons 28201 - 28675 Phone 28675 - 28690 SSTV/Phone 28690 - 29300 Phone 29300 - 29510 Satellites 29510 - 29700 FM Phone/ Repeaters	28000 - 28050 CW 28050 - 28150 Narrowband 28150 - 28190 CW 28190 - 28200 Beacons 28200 - 28675 Phone 28675 - 28685 SSTV/Phone 28685 - 29300 Phone 29300 - 29510 Satellites 29510 - 29700 6-kHz Wideband

ITU/IARU Region 1 includes Africa, Europe, the CIS, the Middle East excluding Iran, and Mongolia.
 ITU/IARU Region 2 includes North America, South America, Hawaii, Johnson Island and Midway Island.
 ITU/IARU Region 3 includes the rest of Asia and Oceania.

Notes:

1. CW is permitted on all frequencies, but is exclusive where shown.
2. Where two modes are shown in a subband, the first mode has priority.
3. All 10-metre Beacons in 28200-28300 kHz are to be removed by 1993 January 01.
4. DIGIMODE means digital modes including RTTY, AMTOR and packet, and new systems including PACTOR and CLOVER)
5. Narrowband includes all digital modes.
6. Region 1 contest frequencies: CW: 3500-3560 kHz. SSB: 3600-3650, 3700-3800, and 14000-14050 kHz.



SHORT BITS

MARCH 19, 1993 TO ALL RADIO AMATEURS 1. AFTER FOUR YEARS OF NEGOTIATIONS, THE RADIO AMATEUR OF CANADA WILL FINALLY BECOME A REALITY ON MAY 02, 1993. CRRL AND CARF WILL THEN CEASE TO EXIST AND RAC WILL BECOME THE SINGLE NATIONAL AMATEUR RADIO ORGANISATION FOR CANADA.

THE NEW ENLARGED VERSION OF "THE CANDIAN AMATEUR" COMBINING CRRL AND CARF CONTENT WILL BE POSTED STARTING WITH THE JULY 1993 ISSUE.

2. CRRL AND CARF REPRESENTATIVES ARE WORKING TO-GETHER REGARDING ANTENNA AND TOWER BY-LAWS. THE MINISTER OF COMMUNICATIONS HAS SHOWN A PERSONAL INTEREST IN CANADA'S AMATEUR RADIO OPERATORS AND RAC OFFERS A SPECIAL OPPORTUNITY TO ESTABLISH A MORE EFFECTIVE RELATION-SHIP WITH DOC.

3. ATTENTION CRRL MEMBERS. THE CRRL ANNUAL GENERAL MEETING IS SLATED TO BE HELD AT 08:30 AM MAY 01, 1992 AT:

AIRPORT WEST RAMDA INN 5444 DIXIE ROAD
MISSISSAUGA

THE CRRL BOARD OF DIRECTORS IS SLATED TO MEET THE SAME DAY AT 09:30 AM IMMEDIATELY FOLLOWING THE AGM. INPUT FOR THIS MEETING SHOULD BE DIRECTED TO YOUR RESPECTIVE DIRECTOR.

4. CRRL PRESIDENT DANA SHTUN VE3DSS RECENTLY GAVE A PRESENTATION TO THIRD YEAR YORK UNIVERSITY SPACE COMMUNICATIONS STUDENTS, DEPARTMENT OF PHYSICS. MANY ASPECTS OF AMATEUR RADIO WERE COVERED INCLUDING MOONBOUNCE. SOME STUDENTS WILL MEET AT ALGONQUIN PARK, THE SITE OF THE GIANT RADIO TELESCOPE TO SEE VE3ONT IN ACTION ON 432MHZ EME THIS SPRING. SOME OF THE OPERATORS OF VE3ONT WILL INCLUDE: VE2DFO AND VE3s SO, VD AND DSS. IT IS EXPECTED THE 150 FOOT DIAMETER DISH WILL WORK STATIONS USING 100 TO 150 WATTS AND SINGLE YAGI ANTENNAS.

DANA ALSO PARTICIPATED IN A TWO HOUR CALL-IN

RADIO PROGRAM 'HAM RADIO AND MORE' THAT WAS AIRED OVER ARIZONA RADIO STATION KFNN-AM 1540. THE TOPIC WAS CANADIAN AMATEUR RADIO. THE HOST OF THE PROGRAM WAS LEN WINKLER KB7LPW.

5. CRRL RECEIVED A LETTER FROM THE DEPARTMENT OF COMMUNICATIONS REGARDING THAT THE ONE AND ONE QUARTER METER BAND. THE FCC IS REQUESTING DOC TO CHANGE THE STATUS OF THE 220-222 MHZ PORTION IN CANADA TO HARMONIZE WITH THE UNITED STATES ALLOCATION. THIS BAND IS PRESENTLY EXCLUSIVE AMATEUR RADIO IN CANADA. CRRL PRESIDENT AND VHF-UHF ADVISORY COMMITTEE CHAIRMAN DANA SHTUN VE3DSS WILL DISCUSS THE PROPOSAL WITH DOC ON BEHALF OF ALL CANADIAN RADIO AMATEURS.

6. HERE ARE SOME DATES TO MARK ON YOUR CALENDER.

TO COMMEMORATE THE 200TH ANNIVERSARY OF THE CITY OF LONDON, THE DEPARTMENT OF COMMUNICATIONS WILL BE AUTHORIZING AMATEUR RADIO STATIONS IN THE PROVINCE OF ONTARIO TO USE THE PREFIX CJ3 REPLACING VE3 ON A VOLUNTARY BASIS FROM JUNE 15, 1993 UNTIL JULY 15, 1993.

TO COMMEMORATE THE ONTARIO PARKS CENTENNIAL, THE DEPARTMENT OF COMMUNICATIONS WILL BE AUTHORIZING AMATEUR RADIO STATIONS IN THE PROVINCE OF ONTARIO TO USE THE PREFIX CF3 REPLACING VE3 ON A VOLUNTARY BASIS FROM JULY 01, 1993 UNTIL JULY 31, 1993.

THE ASOCIACION DE RADIOAFICIONADOS DE LA REPUBLICA MEXICANA (ARARM) IS SLATED TO HOLDD ITS XXIII CONGRESS IN GUANAJUATO, MEXICO JULY 16-18, 1993.

IT IS WITH REGRET THAT WE ANNOUNCE THE FOLLOWING SILENT KEY. ERNIE WELLING VE3HD PASSED AWAY AT THE AGE OF 65 ON MARCH 01, 1993. ERNIE WAS PAST PRESIDENT OF RABC, PAST EDITOR OF ELECTRON MAGAZINE AND VERY ACTIVE IN AMATEUR RADIO. BEFORE MOVING TO ONTARIO IN THE EARLY 1970's HE HELD THE CALL SIGN VE2YU. HE WILL BE MISSED.

73 DE VE2QO@VE2ALE

SPECIAL PREFIX

TO COMMEMORATE THE BI-CENTENNIAL OF TORONTO, THE DEPARTMENT OF COMMUNICATIONS WILL BE AUTHORIZING AMATEUR RADIO STATIONS IN THE MUNICIPALITY OF TORONTO, IN THE PROVINCE OF ONTARIO, TO USE THE PREFIX VF3 ON A VOLUNTARY BASIS FROM MARCH 18 TO MARCH 31, 1993.

CARF BULLETIN

15 March, 1993 Issued at CARF Headquarters P.O. Box 356 Kingston, ON, K7L 4W2 Editor: William (Bill) H. Mason VE3NFU Packet Editor/Transmission: Steve Cutway VE3GRS

ITEM 01. HISTORIC EVENT FOR CANADIAN AMATEUR RADIO - Sunday, May 2, 1993 will be a red letter day for Canadian amateur radio operators. Meeting in Toronto, the Canadian Radio Relay League (CRRL) and the Canadian Amateur Radio Federation (CARF) will legally dissolve their respective organizations. The Radio Amateurs of Canada (RAC) will take over and will hold its first Board of Directors meeting to begin functioning as Canada's new unified national amateur radio organization. A board of regional directors, representing amateurs from coast to coast, and a national team of executive officers will be installed. RAC's national headquarters will be Ottawa, Ontario. An interim administrative office will be set up in Kingston, Ontario.

RAC's Board of Directors will welcome various guests. Canada's Minister of Communications, the Honourable Perrin Beatty, is invited to address the Board. The current directors and officers of CRRL and CARF will witness the historic occasion. The 1993 Canadian Amateur Radio Hall of Fame awards will be presented. The Secretary of the International Amateur Radio Union (IARU) World Administrative Council will address the new Board and will discuss RAC's proposed membership in IARU. The Board will introduce RAC's "logo" which will symbolize a new professional look for Canada in the world of amateur radio organizations.

A new expanded "The Canadian Amateur" magazine will take over from "QST Canada" and "TCA" beginning with the July-August 1993 edition. Members subscribing to ARRL's "QST" magazine will continue to receive the magazine through RAC.

ITEM 02. AMATEUR RADIO REGS MADE LAW -

Finally, after more than two years, the government has established in law the regulations governing the restructured amateur radio service. Many editorial changes have been made to the provisional regulations that comprised RIC-25 issued on September 1, 1990, and have guided amateurs since that date. Only two substantive changes have been made.

Provisional Regulation 46 on Page 7 of RIC-25 has been amended

Regulation 59 (2) on page 10 of RIC-25 has been revised.

DOC expect to have the new RIC-25 available for distribution in early April. Bill Wilson VE3NR

ITEM 03. DOC MEETS UNHAPPY AMATEURS IN VANCOUVER - About 300 Vancouver Amateurs challenged DOC Ottawa Headquarters representatives over DOC policy toward antenna structures and municipal by-laws at a North Vancouver meeting in early February. The hall was jam packed with Hams, many of whom angrily charged the DOC with refusing to take on municipalities who violate federal law and prohibit or restrict antenna towers. The representatives failed to satisfy the demands of the local Hams that DOC must uphold Federal jurisdiction over antenna structures.

DOC's refusal to commit the department to take on the municipalities caused cries from the Hams who wanted the current policy circular on consulting with municipalities scrapped or at least rewritten to emphasize the Federal primacy in radio matters. One Ham demanded that DOC meet its legal obligations by upholding the mandate Parliament had given it to control radio matters.

Many were also incensed by DOC's apparent unwillingness to champion EMC standards for home electronic equipment which is susceptible to nearby R.F. transmissions. DOC is not ready to impose standards, preferring industry and manufacturers to operate under voluntary agreements. This produced a lot of heckling and pointed jibes at DOC policy as next to useless.

All in all, it was an interesting meeting. Amateurs were able to vent their frustrations and express their dissatisfaction. However, at least on the surface, DOC appeared to go away unrepentant and uncommitted and seemed unwilling to change their ways or policies; but its not likely that DOC left the noisy

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meeting indifferent. J. F. Hopwood VE7RD, President CARF

ITEM 04. CARF MEMBERS MOVING - Allow a minimum of 8 weeks for a change of address to be processed ... Plan ahead to avoid delays in receiving your magazine. Thank you.

ITEM 05. AUSTRALIA HAS COMPLETED ITS FIRST YEAR OF USING VOLUNTEER EXAMINERS (VEs) TO ADMINISTER AMATEUR EXAMS - More than 400 VEs have been accredited and more than 3000 exams have been given to 2000 candidates. Of the Australian VEs, 68% are members of the Wireless Institute of Australia, the national organization. The average pass rate was 51.4%.

ITEM 06. THE DOC HAS ISSUED CH6 AS THE SPECIAL callsign prefix to be used by amateur radio operators in Alberta for the time period covering May 28 to 30, 1993. This is to commemorate the Northern Alberta Hamfest 93, put on by the Northern Alberta Radio Club.

ITEM 07. TO COMMEMORATE THE BICENTENNIAL OF TORONTO, the Department of Communications will be authorizing amateur radio stations in the Municipality of Toronto, in the Province of Ontario, to use the prefix VF3 replacing VE3 on a voluntary basis from March 18, 1993 until March 31, 1993.

MARK YOUR CALENDARS

ITEM 08. BROWNSBURG AMATEUR RADIO CLUB AUCTION AND FLEA MARKET - April 17th at the Grenville Community Centre, 21 Tri-Jean (Corner Principal St.) Grenville, Quebec. (First left after crossing the Hawkesbury bridge). Talk-in on VE2RWC 146.805/-600. Doors open 9:00 a.m. for general public. Vendors 8:00 a.m. Auction begins at 10:00 a.m. Entrance fee \$3. Tables \$10, 40 tables available, first come first served. Info: Allan VE3BOA (613) 632-1748; John VE2JIC (514) 533-4515; Ray VE2HMA (514) 562-5904.

73 de VE3VCA Steve VE3GRS at the keyboard

PARRY SOUND AMATEUR RADIO CLUB PRESENTS THE NEAR NORTH HAMFEST SATURDAY MAY 15Th 1993 10:00am - 2:00pm at the PARRY SOUND HIGH SCHOOL GYM PARRY SOUND ONTARIO

JOINT WITH NORTH BAY, SUDBURY AND MUSKOKA

Commercial Vendors - Flea Market . Computer Hardware - Software . Food and Refreshments . Plenty of Free Parking . Lots of Tables . Door Prizes HOURS: Public - 10:00am - 2:00pm TABLES: \$5.00 - Private Vendors Vendors - 08:00am - 4:00pm \$10.00 - Commercial Vendors \$10.00 - Electricity

ADMISSION: \$2.00 (14 and under free Vendor Registration Before: Apr 30 accompanied by adult) One free admission per table MAIL TABLE INFO & CHEQUE to: PARRY SOUND A.R.C. Talk - In: 145.490 (-) VE3PSH PARRY SOUND ONTARIO 36 Beatty Street Fur Info Call: (705) 746 9115 P2A 2H7 In Cooperation With PLAYLAND AMATEUR REPEATER ASSOCIATION

The telephone number 800-253-0570 gets you to **HEATH**. It is still alive. This number works from VE7 land. To place orders, you can use 800-444-3284. Hope they have what you need. 73 de Tony VE7ACF @ VE7EDT.#NBC.BC.CAN.NOAM

ARRL BULLETIN 24 ARLB024 NEWINGTON CT MARCH 5, 1993 TO ALL RADIO AMATEURS

IN RESPONSE TO A REQUEST BY THE ARRL, THE FCC HAS PROPOSED IN ET DOCKET 93-40 TO ESTABLISH A SECONDARY ALLOCATION FOR THE AMATEUR SERVICE IN THE 219-220 MHZ BAND TO BE USED FOR AMATEUR AUXILIARY STATION (POINT-TO-POINT) PACKET BACKBONE NETWORKS AND OTHER AMATEUR POINT-TO-POINT FIXED COMMUNICATIONS. THE COMMISSION ALSO PROPOSED OPERATING LIMITS AND OTHER MEASURES TO ENSURE THAT SUCH AMATEUR OPERATIONS DO NOT CAUSE INTERFERENCE TO PRIMARY OPERATIONS IN AND ADJACENT TO THE 219-220 MHZ BAND.

THE FCC NOTED THAT THESE SYSTEMS CAN BE USED IN TIMES OF EMERGENCY WHEN OTHER COMMUNICATIONS FACILITIES ARE OUT-OF-SERVICE OR OVERLOADED TO EFFICIENTLY CARRY A LARGE VOLUME OF MESSAGES, AND THAT AMATEURS PLAN TO USE WIDEBAND BACKBONE PACKET RADIO NETWORKS TO PROVIDE INTERCITY LINKS OF THEIR LOCAL PACKET RADIO SYSTEMS.

IN ITS PETITION, ARRL ASKED THE COMMISSION TO AUTHORIZE ACCESS BY AMATEURS ON A

SECONDARY BASIS TO THE 216-220 MHZ BAND FOR AMATEUR WIDEBAND PACKET NETWORKS AND OTHER POINT-TO-POINT FIXED COMMUNICATIONS SERVICES. ARRL ARGUED THAT CROWDED CONDITIONS ON THE EXISTING BANDS, PARTICULARLY IN URBAN AREAS, PREVENTED COMPLETION OF A NATIONWIDE BACKBONE PACKET NETWORK FOLLOWING THE LOSS OF ACCESS TO THE 220-222 MHZ BAND.

THE COMMISSION IS PROPOSING TO AUTHORIZE AMATEUR WIDEBAND PACKET POINT-TO-POINT COMMUNICATIONS AND OTHER POINT-TO-POINT FIXED COMMUNICATIONS ON A SECONDARY BASIS IN THE 219-220 MHZ BAND. THE COMMISSION SAID IT BELIEVES THIS WILL FOSTER TECHNOLOGICAL EXPERIMENTATION AND INNOVATION, PARTICULARLY WITH HIGHER DATA RATES, AND FACILITATE THE CONSTRUCTION OF A NATIONWIDE PACKET DATA BACKBONE NETWORK. THE COMMISSION EXPECTS THAT THIS ACTION WILL RELIEVE CONGESTION IN THE 222-225 MHZ BAND IN CERTAIN GEOGRAPHIC AREAS. THE COMMISSION SAID THE AMATEURS' ABILITY TO PERFORM INTERFERENCE ANALYSIS, THE DIRECTIONAL NATURE OF THE PROPOSED SERVICES, AND THE SECONDARY STATUS OF THIS PROPOSED ALLOCATION SHOULD ADEQUATELY PROTECT ALL PRIMARY AND EXISTING SECONDARY OPERATIONS IN AND ADJACENT TO THE 219-220 MHZ BAND.

THE COMMENT DEADLINE ON THE FCC PROPOSAL WILL BE ANNOUNCED LATER, WHEN THE COMPLETE TEXT OF THE NOTICE OF PROPOSED RULE MAKING IS AVAILABLE. NNNN

Kantronics KPC3 - External Microprocessor Reset Line

I have added a single wire which will allow an external reset to the KPC3. This may be useful when it is used at a remote site. Instead of using the hard reset line, I decided to use the microprocessor reset. A hard reset will return all parameters to default, and you will have to go to the site to reprogram everything. All memory contents are lost. The microprocessor reset will simply disconnect everything and start again. No memory contents are lost. The TNC will act similar to when its power is lost.

By placing a ground at the junction of R35 and R49 the microprocessor is effectively reset. R35 and R49 are to the side of the power switch near the front of

the circuit board. Look at page 125 of the manual for placement. R49 isn't actually installed in the board, and a convenient hole is provided. Place a wire from the empty hole to pin 2 of J9. You will then have a reset line on pin 7 of the DB7 connector.

Leave a note for VO1KS @ VO1SIG.NF.CAN.NA if you have further questions or comments.

CTCSS INFO

Hi, all. Ever want to figure out what subaudible tone is used on a scanner freq or whatever? Simple, simple... Feed the audio from your receiver into an oscilloscope vertical channel and a common audio frequency generator into the horizontal input. Don't use the internal timebase at all. Remember the lisajous patterns you had to figure out for the test? Well, say the audio has a 103.5 Hz tone on it. If you adjust the audio frequency generator to around 103.5 Hz, then you will see a pattern develop in the display. You can make it even easier to see if you rob the family stereo's frequency equalizer and use it to filter out everything above 250 Hz. When the audio generator is set to exactly the same freq as the subtone in use, then you will have an ellipse on the screen. If it is set to twice the freq, then you will see a figure 8, and so on. You can use this when listening to different services that use the same channel, but that use different subaudible tones. Once you have figured out what subaudible tone they use, then you can make or buy a NE567 tone decoder to allow the scanner to pass the audio only if the proper tone is heard. See? The test questions really were useful! 73 and happy tinkering de Jim, W7LS @ N7DUO.WA.USA.NA.

CHUCKLES -Snow Laughing Matter

I like the snow that isn't put
Where I must find it underfoot.
I don't mind bushes a la mode,
Just keep the white stuff off the road.

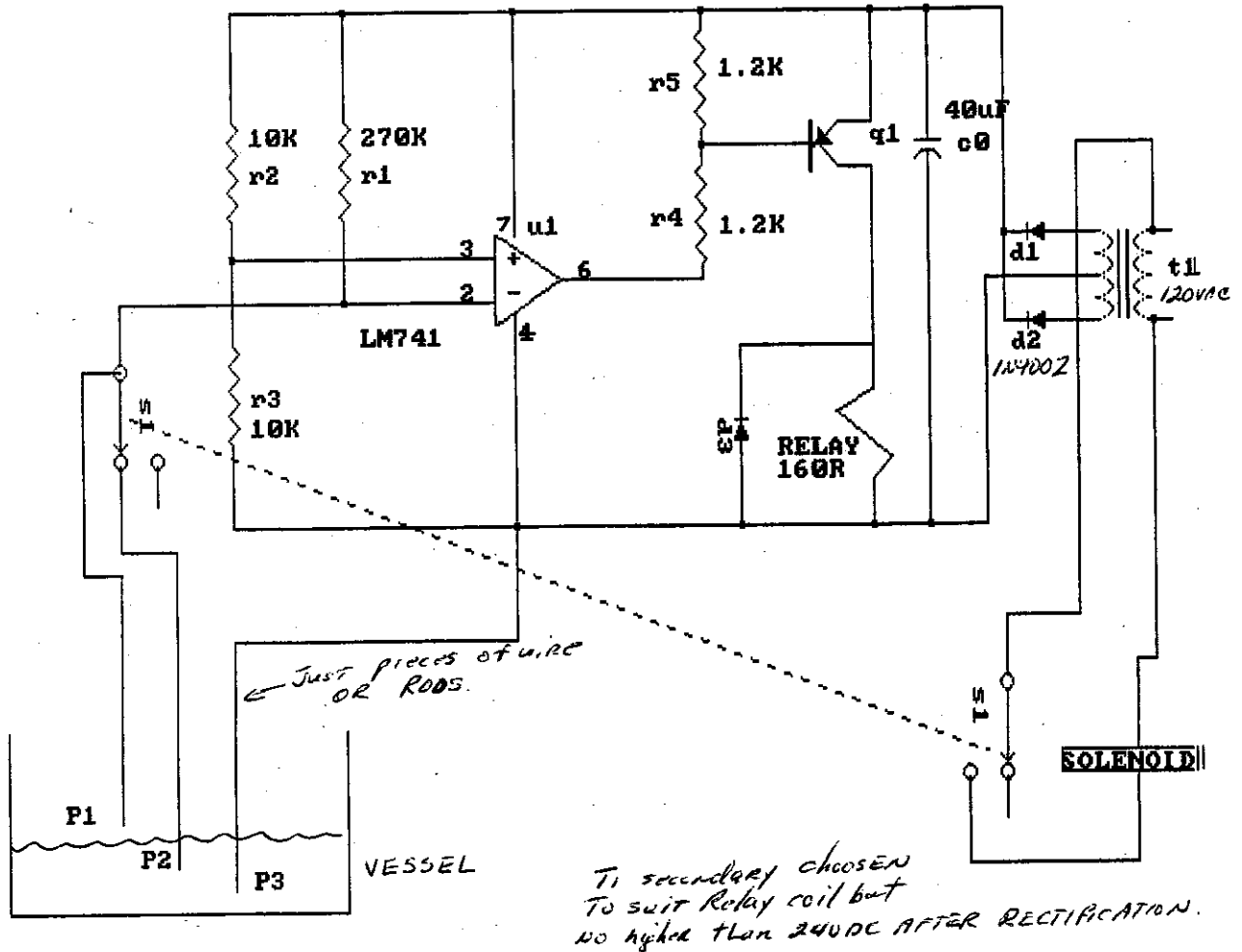
-Ever notice...that the guy with the biggest stomach will be the first to take off his shirt at a baseball game?

-Nobody wants constructive criticism...it's all we can do to put up with constructive praise.

-Ever notice...how quickly kids learn to drive a car, yet cannot understand the lawn mower, snow blower or vacuum cleaner?

-73, JAIME, KB4RFP

TEDS TIDBITS



WATER LEVEL SENSOR AND SWITCH

HERE'S A NOVEL IDEA WITH A PRACTICAL APPLICATION. IT'S A WATER LEVEL SENSOR THAT CONTROLS A PUMP WHICH MAINTAINS THE WATER LEVEL IN A TANK. THREE 'SENSOR' WIRES ARE EMPLOYED; ONE AT THE HIGH WATER LEVEL (P1), ONE AT THE LOW WATER LEVEL (P2), AND ONE WELL BELOW THE LATTER (P3), SO THAT IT'S PERMANENTLY IN THE WATER. HERE'S WHAT ITS ALL ABOUT. USING AN INEXPENSIVE AND TROUBLE-FREE 741 IC AND A RELAY WITH TWO SETS OF CONTACTS, THE CIRCUIT PROVIDES AN INEXPENSIVE AND TROUBLE-FREE FLOAT SWITCH. IT IS USED TO SWITCH A SUMP PUMP THROUGH THE RELAY CONTACTS, OR A SOLENOID WHICH ADMITS WATER TO YOUR AQUARIUM OR AS A WATER DETECTOR ON THE FLOOR OF THE BASEMENT RADIO SHACK. THE PROBE UNIT IS POSITIONED IN THE TANK WITH THE BOTTOM OF P1 AT THE DESIRED FULL LEVEL. THE AQUARIUM SOLENOID DOES NOT OPEN TILL THE WATER LEVEL FALLS BELOW P2 AND IS NOT SWITCHED OFF AGAIN TILL THE WATER REACHES P1. THIS ENSURES THAT THE WATER IN THE AQUARIUM ALWAYS REMAINS WITHIN THE DESIRED LEVEL. ITS EASY TO MODIFY THE CIRCUIT AS A WATER DETECTOR, JUST ELIMINATE P2 AND OFCOURSE THE RELAY CONTACTS. THE CIRCUIT WILL OPERATE THE RELAY WHENEVER WATER SHORTS OUT P1 AND P3.

**FOR
SALE**

VE3HIP IAN 371-5479

HONEYWELL AES COMPUTER - 2 -5 1/4" DISK DRIVES, MANUALS, SPARE KEYBOARD, SPARE DRIVE, MONO GREEN SCREEN 6"X9". SPARE DISKETTES. BUILT IN PINWHEEL PRINTER, 14" HORIZONTAL CARRIAGE WITH SPARE PRINT-WHEELS AND RIBBON CARTRIDGES. EDIT FEATURES. \$225.00 OBO FOR COMPLETE SYSTEM

VE3TWK JACK 376-3440

MISC COMMODORE- MODEL 1700 MONITORS 12" \$50 EA, MODEL 1541 DISK DRIVES \$50 EA, PRINTERS \$75 EA

VE3BFV JIM 371-1209

TAPE RECORDER- SONY 7" REEL TO REEL, PORTABLE, ALL SOLID STATE , 3 SPEED 7 1/2, 3 3/4, 1 7/8 "/SEC SELF CONTAINED POWER AMPLIFIER WITH 4 SPEAKERS, 2 DYNAMIC MICROPHONES, MINT....\$200.00 NEGOTIABLE

WANTED

VE3BZC ROSS 371-4326

COILSTOCK - 15 TURNS #12 WIRE, 2 1/2 " IN DIAMETER, 6 TURNS / INCH

TUBES - 6EW6, 6GK6, 6HF5, 6BN8, 12BE6, 12BZ6, 12BA6, 12AX7, 7360, OA2

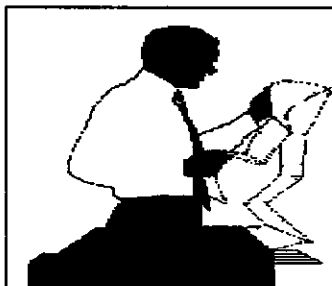
VE3TSA TOM 371-9805

CARTOONS / ARTICLES FOR FEEDBACK..... I NEED SUITABLE CARTOONS AND/OR ARTICLES FOR USE IN FEEDBACK

TTL MONITOR.....I AM LOOKING FOR A TTL MONOCHROME MONITOR....MUST BE TTL BUT CAN BE AMBER OR GREEN OR PAPER WHITE

VE3HIP IAN 371-5479

TUBES 6JS6A QTY 2



TO ERR IS HUMAN

**TO REALLY FOUL THINGS
UP TAKES A COMPUTER**

DO MEMBERS
OF YOUR HOUSEHOLD
KNOW HOW TO TURN
OFF THE POWER -
AND HOW TO APPLY
RESUSCITATION
?

