FEEDBACK

THE OFFICIAL NEWSLETTER OF THE

GEORGIAN BAY AMATEUR RADIO CLUB INC.

FEB 1995

Sponsoring

VE3OSR FM REPEATER	146.940- Mhz	BARROW BAY
VE3OST FM REPEATER	145.290- Mhz	OWEN SOUND
VE3GBT FM REPEATER	146.895- Mhz	MARKDALE
VE3IJD PACKET BBS	145.630 Mhz	KEADY

REGULAR EVENTS

GBARC MEETINGS: FOURTH TUESDAY OF EACH MONTH

BREAKFAST MEETINGS: SECOND AND LAST SATURDAY OF EACH MONTH

GBARC INFORMATION: INFORMATION REGARDING MEMBERSHIP SHOULD BE DIRECTED TO TOM VE3NEM 519-371-9499

Minutes of the meeting of January 24 1995:

The meeting was opened by president Ken with 25 members present. The treasurer reported that as of december 31 1994 we had $1392.88 in the account. Most of the money is spent on postage, insurance and course materials. The insurance premium is overdue and it will be paid immediately. There is now an auto patch on the club repeaters, it is at the home of Rick VE3HIO, there are still a few bugs to work out. There are plans for a new club repeater in Formosa. Gene VE3IJD sugested we continue to send FEEDBACK to Ian Trenholm for an extra year in recognition of his years of service to the club, there were no objections. Gene introduced Nelson Gain president of PLANE FUN INC.. He showed a video and spoke about flying ultralight aircraft. The 50/50 draw was won by Bob VE3LKD.....

Subject: **Manly & EMCAB-2 Response.**

From: VE3WMI@VE3KPG.#ECON.ON.CAN.NA To : RAC@CANADA

This is the letter I got back from Mr Manley:

Thank you for your letter concerning the potential impact of EMCAB-2 Upon the operation of Amateur and Other radio services. This topic, which we include under the more general subject of electromagnetic immunity, has been of concern to Industry Canada for a number of years. I hope that the following information may help to alleviate some of your concerns.

The Radiocommnications Act gives the department's inspectors the power to determine the cause of the immunity problems and, despite all efforts to resolve such problems amicably, they are occasionally called upon to do so. As it is essential to ensure uniform treatment of immunity problems country-wide, technical guidelines were established for the inspectors to use in such cases. I am sure you will agree with me that a pubicly recognized procedural rule, based upon a consensus, if not universal acceptance, is necessary. EMCAB-2, the public statement of this criterion was announced offically in the Canada Gazette on June 4, 1994, after consultation with the Radio Advisory Board of Canada and it's members, such as the Radio Amateurs of Canada. Copies of EMCAB-2 may be obtained on request from Industry Canada, 300 Slater Street, Ottawa, Ontario, K1A OC8, Attention DOSP-P, or from the department's Regional Offices located in Vancouver,

Winnipeg, Toronto, Montreal and Moncton. The Purpose of this document is simply to make public the technical criteria upon which such decisions will generally be based, if it is necessary for Industry Canada to intercede in a specific immunity problem. It does not in any way extend the scope of the department's powers nor does it prevent any other relevent, non-technical, factors from being considered.

Much concern has been expressed by members of amateur community that the field strength levels specified as criteria are too low, that their effect will be to force amateur operators off the air and that the thrust of our efforts should have been directed to the implementation of mandatory immunity standards for manufactures and importers of comsumer electronic products. I would like to discuss these items individually.

Although a number of elements were considered in arriving at the field strength levels which are referenced in EMCAB-2, the levels selected are identical to the limits in accepted international standards for equipement immunity. These were largely influenced by those which will be enforced in the European Community after 1995, when the effects of the complete standards restructuring will begin to emerge. Should the U.S. decide to adopt immunity standards in the future, I expect that their standards would also be based upon the same international standards as those of the European Community.

It is correct that these criteria may result, in cases which cannot be resolved otherwise, in the imposition of power constraints upon the transmissions of some radio operators. However, once a radio operator is in compliance with the criteria, all of the remaining onus lies with the owner of the radio-sensitive equipement. In other words, the criteria also provide a lower bound to the constraints that may be applied to radio transmitters, sustaining a balance which did not previously exist. Furthermore, because the criteria are identical to the immunity limits which would be used if Canada were to impose mandatory standards, the impact upon radio operators is identical to that which would apply even if such standards were in force.

Regarding the use of the mandatory immunity standards, I am advised by officials of the U.S. Federal Communications Commission that they have not taken any action to implement mandatory standards for immunity of comsumer electronic equipement. As the U.S. is our largest companion in the market for 60Hz, 120V electronic equipement, the absence of such standards in that country has considerable influence on the economics and practicality of making immunity mandatory for Canada.

As a result, the department is reluctant to unilaterally apply regulatory measures as a universal remedy. Simply put, the cost to Canadians of implementing, monitoring and verifying the testing and certification of every comsumer electronic product sold in this country is not in keeping with the government's initiatives to reduce the regulatory burden on Canadians. In any event, the publication of EMCAB-2 does not impair our ability to implement mandatory standards should it become a practicable and necessary tool.

For the time being, atleast, it will remain the policy of Industry Canada to: first, encourage the resolution of problems through cooperation compromise by the parties concerned; and second, advise the owners of radio-sensitive equipement to refer their immunity problems to the distributor or manufacturer of the devices in question. Only when such approaches fail is it our intent to invoke the criteria stated in EMCAB-2.

Once again, thank you for Bringing your concerns to my attention. Yours very Truly,

John Manley

Well I say this! (1) There was a promise made to us that Manufacturers would shield thier units. I feel that it should be kept!(2) there would be no further cost to anyone if you expand the role of the CSA, they are already checking for electrical Safty in electronic Goods already, why not expand that Mandate by also getting them to check for Immunity!!!. I will not be told to shut down my station because of some Klux brain Idiot who Knows Nothing about radio Communications, make an UNFAIR AND UNWORKABLE law and IC has no back bone to tell the Manufacturers that THEY MUST make good a promise that was made to us in 1977.

That's how I feel Mr Manley!...

Ivan -- VE3WMI

DEBUG

From: VE3IJD@VE3IJD.#CON.ON.CAN.NA To : VE3TSA@

Hi,,I found a new command to look at the serial and parallel port by using DEBUG. Use it like -d 40:0 This displays a nice line of hex and shows the first 4 serial ports and then the fist 4 parallel ports.Now what happens if the hydro goes out, or glitches while you are in debug ? I've read that DEBUG can be used to change CPU registers.So ,,here I am,,I move the monitor off of the xt case and lift it up very carefully,,look at the cards inside,,read the book again and look at the hex lines on the screen.The screen is in black and white and now there is a funny purple * in the middle of the screen.I figure the parallel card is where it's supposed to be so I carefully put the cover back on and move the monitor over on top.When I hit Q to exit DEBUG, nothing happens,,no cntrl-alt-del either,even the power reset on the side won't help.So I turn off the power to it , wait and power back up.The hard drive comes on, no beeps,,no A drive, no screen....lots of sweat.Now What? I've taken a perfectly good working computer and turned it into a nothing computer.Out with the books.....Then as I'm crying over the open cover, I spot a " pulled away from the socket "cable going to the monitor.Oh!!! please be it. AAAAAAAHHHHHHHHHHH

A TRUE STORY..... message created 21:45Z 13-Feb 73,good packets,Mr.Sysop

PACKET

From: VE3IJD

Well fellow GBARC Members,,I guess its time to share some of the information with our non-packet friends about this BBS and how it works for the users that connect to it. If you listen on 2 meters,145.630,you will probably hear a funny bursting sound. That my friends is the sound of data being send from one point to another using computers and radios.The "data" might be a weather report, RAC news bulletin, sale or wanted adds,or just a personal message to someone from anyone anywhere in the world.As of today this BBS has logged over 14700 calls of other hams around the world. Some of the topics discussed on packet are like the ones mentioned,,if your looking for a used antenna,rig,computer or any ham related item, its sure to be found on the BBS. Likewise, you can send out a "wanted" message to the rest of this area, Ontario, or Canada or the world.I don't think you would advertize looking for a 68 foot tower outside of Ontario..hi hi.. Up to date weather bulletins flash across the screen all the time.These make for good reading on those risky driving days. How about a new recipe ? There are always new ones being posted. Humor ? lots of jokes are posted daily. Want to find out about the latest hamfests ? How about the VE3DID swap lists,,they come out every Monday,,loads of things in the wanted and forsale columns. As I look up at the screen, I see that I'm forwarding mail to VE3FJB in Barrie, and VE6YYC in Calgary. We also forward direct to VE3NAV in Ottawa.I have set up certain routes for some destinations. All the mail for southern Ontario goes to Barrie first, then they take care of getting it farther south. I also know that Barrie has a HF link out to the east coast of Canada, so any mail for that direction goes to Barrie. Messages for Alberta go to Calgary and pretty much all the rest goes to Ottawa. There, they forward to VE4KV in Winnipeg.The Manitoba boys have links all over the world,including a satellite gateway station that forwards directly with many other world wide stations.I can get a message to the UK in 2 hops, one in Ottawa, one in Winnipeg, then its on its way to the UK via AMSAT'S satellite.Once in a while a link may fail due to radio problems or bad propagation,,but the mail usually goes through sooner or later. Many other features are included on the BBS.These features are well documented in the \DOCS directory, a place used to store information on a computer.Here you can read about the usage of things called servers. A server is a program , that works with the BBS.These can be written by lots of hams around the world. Some good ones exist,like being able to type in the first few letters of a call and get the country asssociated with that call back in just a few seconds. I can type CI and a Canadian call and get information about that call, knowing its up to date as of January/95. I can type the word INFO callsign, and get information about a user of the BBS. Do you know your grid square? Just type in the map co-ordinates and I'll tell you,or type in your grid and I'll give you the

co-ordinates. Working on a disk drive out of a computer ? Use the REQDSK server and get the facts about the disk drive. Interested in the satellites over head ? There is a satellite server that takes the keplarian data everynight and keeps the times of orbits etc up to date.You can even read up on most of the birds to get a small story on them.One of the best servers around is the REQQTH server. This is a callbook server that is on line 24 hours of the day. Over 1 million calls are registered with over 100 countries listed. If the call is on packet , the server will now include the home BBS of the call.This information is on the October'94 Buckmaster Hamcall CD-ROM. I saw a fellow this morning from Port Stanley using the REQQTH server.He sends a message to the BBS and the server automatically reads it and sends back the appropriate information on the calls he requested. The basic equipment that's being used consists of a 386-dx 33mhz computer at VE3IJD'S home.This is hooked to a "TNC".This piece of equipment connects a computer to a radio.They cost under $200 and even less for a used one.A 440 mhz radio links us to Barrie via 2 radios and 2 tnc's at the home of Robert Vary in Woodford.What we have at VE3XOX'S is commonly called a NODE. There is also a node at Telesat, located in Allan Park. This node supplies us with a link to a satellite. There are about 25 local users on this BBS,,others check in from other areas and some come in through the links exploring new routes.So far , we have been keeping things rolling by private donations and help from GBARC. Eventually I see a new arm of GBARC being formed for the "packet" group. My fingers are getting sore,,so I'd better close for now. If you have any questions about the system or packet in general please feel free to ask.Its a great part of the hobby,,but I still work a couple of CW stations now and then. All the best.....Gene...VE3IJD.... message created 23:43Z 12-Feb 73,good packets,Mr.Sysop

Trivia Question... We all know what a QSO is, some of us even have them once in a while. The BBS counts, right? I have come across another definition of a QSO, does anyone know what it is? Clue.....It does have something to do with radio. .....73 de VE3MWU.....

From: VE4IST@VE4KV.#WPG.MB.CAN.NOAM To : TUBES@CANADA

I may have the old tube u are looking for ....Drop me a note at Ve3KV .... 73 from Ian .

ALBERTA CANADA AWARD

From: VE6SRC@VE3IJD.#CON.ON.CAN.NA To : AWARD@KA5BML.#NWAR.AR.USA.NOAM

The Wild Rose Country Award is available to all amateurs and SWL's who log stations from the province of Alberta Canada (VE6). There is no fee for the award since it is sponsored by the Amateur Radio League of Alberta. All you need to do is work 15 stations from Alberta, on any mode or band, satellite, and packet BBS contacts. There is no time limit go back to 1940 if you have to. Send your application to the awards manager with a green stamp or 2 IRC's to: \ Stu Crawford VE6SRC 6354 Bowview Rd NW Calgary, Alberta T3B 2H8 Canada

73 and Good Luck Stu

NEW UHF REPEATER ON THE AIR

From: VE3IJD

Walter ,VE3FFN reports that the VE3RAN UHF repeater is now up and running on a 300 foot tower at Proton station.Frequency is 442.675 rx with tx 5 meg up. Give it a good work out.... message created 14:59Z 22-Jan

TOP TEN REASONS 8088 MACHINES ARE BETTER THAN PENTIUMS

10. 8088's can also double as expensive paperweights.

9. Time to do lengthy chores while waiting for the programs to boot.

8. Extended Memory Manager choice made easy: No memory to manage.

7. No need to buy fancy upgrades. It's as good as it's going to get.

6. Watch Windows hourglass turn and empty sand several hundred times.

5. No math co-processor, no math co-processor problems.

4. 8088 doesn't sound like a mid-size Japanese sports car.

3. Retro flashback-Relive the early 80's.

2. Case of the 8088 can protect you in the event of nuclear fallout.

1. Never get caught speeding on the information superhighway.

by Joe DeRouen of "Computer Currents"

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17 New Hams!

From: VE3RHJ@VE3IJD.#CON.ON.CAN.NA To : GBARC@

Congratulations to the 17 new amateurs in our area who passed the Basic qualification on February 7th! One of them also passed the Advanced test, and SIX of them achieved their 5 wpm qualification. Let's be sure to welcome them on the air and at our next club meeting! - Brad VE3RHJ

Radio Course Report Card..... VE3TSA

Here are some interesting statistics and comments from our radio course classes. At the end of each course our students were asked to fill out a course evaluation form. Since 1991 I have about 30 replies and here is the results of the replies.

1. 100% of the respondents agreed that the course instructors did a good job, they would recommend the course to others and the course fee represented good value.

2. 83% of the respondents felt there was enough CW practrice built into the course while 62% found learning morse code difficult.

3. 24% felt the course was too difficult

4. About half of the students have no technical background

A series of questions were asked that required a written answer...as follows:

What was the most valuable part of the course for YOU?

Antennas and Transmission lines

Operating procedure

The structure of the course

Review of radio theory

The positive approach and attitude of the instructors

Practical real-life examples

Review and Question time --------> more on next page

What was of least value to YOU in the course?

CW

Ohms law

What are your reasons for wanting to become a HAM?

Pleasure, enjoyment, curiosity, dx, learn something new, marine mobile

We would appreciate and constructive suggestions you can offer for improving the course

More operating procedures and on the air contacts

More time to talk to HAMs

Preffered one instructor for the whole course

A bit less detail

Explain inductors and capacitors better

Background noise while teaching was going on made it difficult to concentrate

Overall, the students felt the quality of the course was good. I suppose one could take thjis information and interperet it many ways. That's the way it is with statistics....have fun.....*EDITOR*

NEW DELEGATED EXAMINER

Brad VE3RHJ has taken over the duties of delegated examiner. See Brad if you want to upgrade your licence or pass his phone # along to anyone who wishes to write the Basic exam.

VE3RHJ Brad 986-4266 Markdale

Radio Course Co-ordinator

GBARC is currently in need of a new Radio Course Co-ordinator. The course co-ordinator arranges for a room for the course, lines up instructors, maintains the course material, causes the word to get out and keeps a list of students, gather up the course fee and generally keep things running smothly. Are you the organizational type? Then this may be up your alley.

FOR SALE

VE3TFQ, JIM, 369-6596

HF-5B BUTTERNT BUTTERFLY ANTENNA $200.

40 FEET OF DELHI HD TOWER $300

TELEX HY-GAIN 14AVQ/WB-S TRAP VERTICAL, COVERS 40-20-15-10 $50

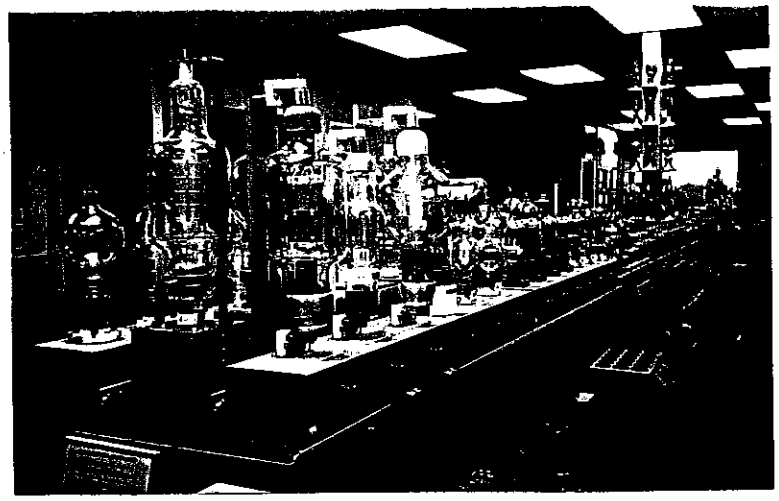
VE3BZC, ROSS, 371-4326

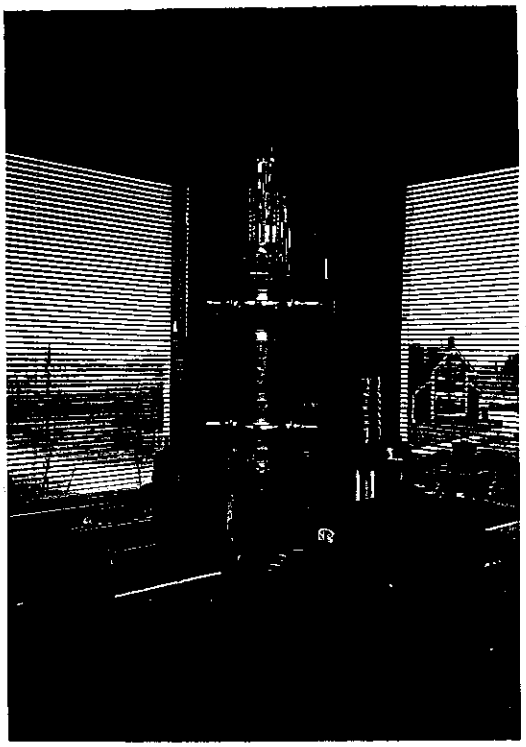
PRINTER, STANDARD WIDTH, 24 PIN OKIDATA MICROLINE 380 $125

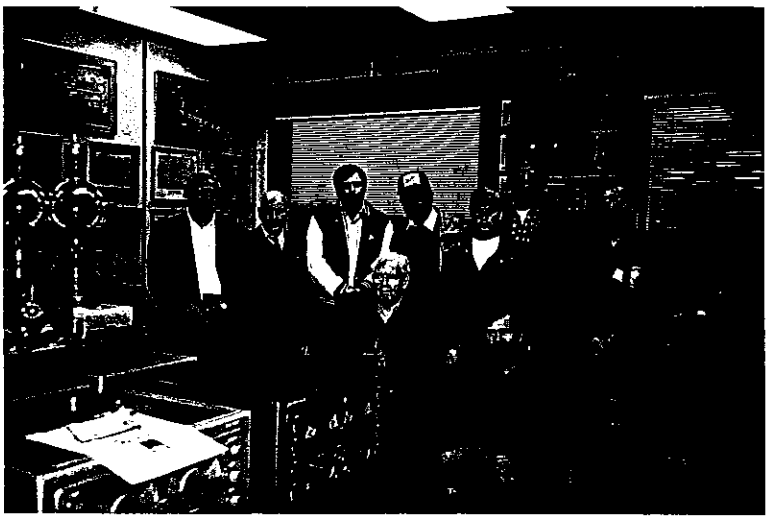
Please keep me updated about your forsale items..... editor

CHANGE OF ADDRESS??????

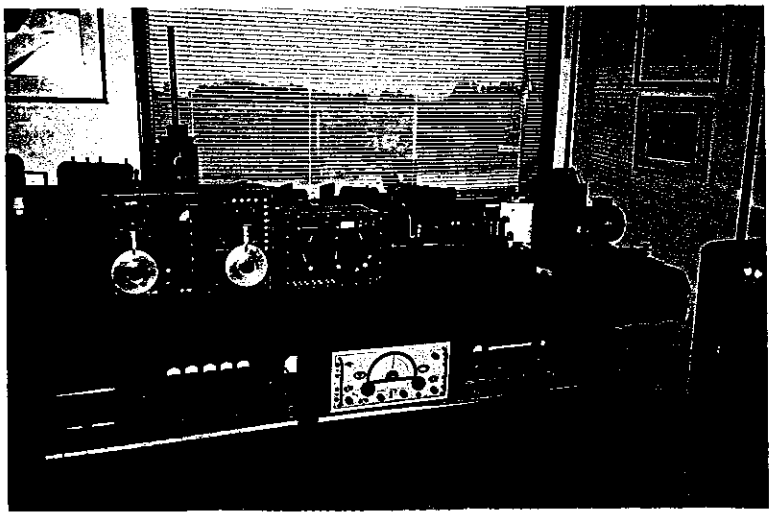
HOW ABOUT LETTING YOUR BULLETIN EDITOR KNOW WHEN YOUR ADDRESS CHANGES? VE3TSA 371-9805







Here are a few more pictures of our recent trip to Fred Hammond's Radio Museum in Guelph. Photo's by Bob LKD, pretty amazing considering he's in one of them...hi....editor



GEORGIAN BAY AMATEUR RADIO CLUB — 1995 MEMBERSHIP LIST

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—— VE3CUV	ROSS SNIDER		BOX 31	THORNBURY	N0H2P0	599-3870
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—— VE3DLH	JERRY HUGHES		GENERAL DELIVERY	PRICEVILLE	N0C1K0	924-2287
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—— VE3DTS	JACK AVIS		RR#6	WIARTON	N0H2T0	534-0151
—— VE3DXO	DAVE DIXON		BOX 265	MARKDALE	N0C1H0	986-3082
—— VE3FFN	WALTER STOYKO		RR#1	PROTON STATION	N0C1L0	923-3544
—— VE3HMZ	BILL CLIFFORD		850 6TH ST E. APT 509	OWEN SOUND	N4K6T7	376-3548
—— VE3HXX	IAN SUTHERLAND		1775 9TH AVE E	OWEN SOUND	N4K3G6	371-7739
—— VE3IBI	MORRIS WILKINS		RR#5	WIARTON	N0H2T0	534-2329
—— VE3IDS	DON RICHARDS		RR#3	OWEN SOUND	N4K5N5	371-3895
—— VE3IOD	GARY BELL		10-945 9TH AVE W	OWEN SOUND	N4K4N8	376-4525
—— VE3IXG	DOUG HAMES		RR#1	PROTON STATION	N0C1L0	923-2387
—— VE3LKD	BOB DROINE		242 7TH ST E	OWEN SOUND	N4K1H9	371-2257
—— VE3MTG	LARRY WEDOW		RR#3	ELMWOOD	N0G1S0	363-0151
—— VE3MTV	NORM BIGGAR		RR#2	OWEN SOUND	N4K5N4	376-0247
—— VE3NBJ	NORM PRATT		RR#7	SARAWAK TWP.	N4K6V5	371-4457
—— VE3TFQ	JIM ROWE		BOX 707	DURHAM	N0G1R0	369-6596
—— VE3TTV	HENRY VANDERHEIDE		450 28th ST W APT 209	OWEN SOUND	N4K5X9	371-0467
—— VE3TUK	RUSSEL LEES		BOX 1461	PORT ELGIN	N0H2C0	832-6779
—— VE3TUP	KLASS VANDERHEIDE		BOX 707	DURHAM	N0G1R0	369-2622
—— VE3TUQ	AUBREY ALDERDICE		RR#4	MEAFORD	N0H1Y0	538-3839
—— VE3TUS	BARRIE DOHERTY		RR#2	MARKDALE	N0C1H0	986-3845
—— VE3TWI	OKKE BOS		769 6TH ST "A" E	OWEN SOUND	N4K1H4	376-5473
—— VE3TWK	JACK DOHERTY		2805 3RD AVE W	OWEN SOUND	N4K4T1	376-3440
—— VE3TXB	JOHN APSITIS		750 DURHAM RD E	DURHAM	N0G1R0	369-2336
—— VE3TYL	JIM LYTTLE		RR#2	SHALLOW LAKE	N0H2K0	371-1796
—— VE3UIC *	JASON MCDONALD		RR#4	TARA	N0H2N0	934-2380
—— VE3UWD	HENRY OLSEN		373 12 AVE. APT 4	HANOVER	N4N2T4	364-1544
—— VE3VTO	DON SLOANE		RR#1	MAR	N0X1X0	793-3523
—— VE3WNW	BILL WALPOLE		754 6TH ST E	OWEN SOUND	N4K1G7	371-4206
—— VE3XKM	STEVE SHARPE		P.O. BOX 362	DURHAM	N0G1R0	369-3533
—— VE4IST	IAN TRENHOLM		18 SHAKESPEAR BAY	WINNEPEG,MB	R3K0M6	
—— SWL	STAN GUZONAS		BOX 11	FLESHERTON	N0C1L0	924-2473
—— KA1QU	JACK KISSINGER		RR#2	KEMBLE	N0H1S0	372-9359
			P.O. BOX 342	LEE,MA	01238	
—— N1QCM *	HEATHER KISSINGER		RR#2	KEMBLE	N0H1S0	372-9359
—— N5ZIK	JACK FARMER	(WIN)	2110 VERNON AVE	MISSION,TEXAS	78572	534-1737
		(SUM)	2031 8TH AVE E.	OWEN SOUND	N4K3C5	376-3210

MEMBERSHIP LIST CURRENT AS OF 14 FEB 1995 - 48 MEMBERS

FILE:GBARC1.WP