

FEB 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 BARROWS BAY



GBARC 20th ANNIVERSARY

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 _____ VE3JD 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

MEMBERSHIP

VE3AEO TED	VE3NEM TOM
VE3BFV JIM	VE3RHJ BRAD
VE3BIS DICK	VE3RLW ROB
VE3BZC ROSS	VE3RVG GERRY
VE3CC CY	VE3TDF PAT
VE3CRV JIM	VE3TFQ JIM
VE3CUV ROSS	VE3TFV KEN
VE3DIQ BILL	VE3TSA TOM
VE3DKF JIM	VE3TTV HENRY
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
VE3JD GENE	VE3TYL JIM
VE3ILO BERT	VE3UIC JASON
VE3INP JOHN	VE3UUL JOHN
VE3IOD GARY	VE3UWD HENRY
VE3IXG DOUG	VE3UWW JERRINE
VE3JLZ JACK	VE3UWX MORRIS
VE3LKD BOB	VE3VTO DON
VE3LPD LAVERNE	VE3WNW BILL
VE3LPT MOE	VE3XOX BOB
VE3MTG LARRY	SWL STAN
VE3MTV NORM	SWL DAN
VE3MVS MERV	N5ZIK JACK
VE3MWU NICK	

This Issue:

Minutes of last GBARC Meeting
MARITIME MEDICAL
DICTIONARY
INTRODUCTION TO PACKET
RADIO
AN SWL RAP
MAPLE LEAF AWARD
SHORT BITS
FOR SALES / WANTS

UPCOMING EVENTS

NEXT GBARC MEETING
MARCH 9th 1993
BREAKFAST MEETINGS:
FEB 27TH 1993
MARCH 13th & 27th 1993



MINUTES OF THE LAST GBARC MEETING

MINUTES OF GEORGIAN BAY AMATEUR RADIO CLUB-- JAN 12th 1993

Total of 27 members and 2 guests present. Guests were VE3INP, John, and VE3MVS. Merv. *Note to minutes: John and Merv have both since taken out full membership in the club.* Minutes of Dec. 8th meeting read by Tom, TSA. Moved by Jack, DTS; 2nd by Aubrey TUQ. Carried as written. Several pieces of correspondence from area hams read and filed. Treasury shows balance of \$1,227.12 in club account and \$453.17 in student account. The only outstanding invoice is for the yacht club for \$80.25 for flea market

rental day.

OLD BUSINESS:

Discussion on club incorporation plans. This was agreed on by the club members at a previous meeting, and Bob, XOX provided more details, indicating the lawyer Ted Stevens needed a cheque for \$1,000.00 to put in trust to proceed. The name GEORGIAN BAY AMATEUR RADIO CLUB INCORPORATED has been checked out and would be o.k. for the legal club name. As the club has the funds in the bank, Moved by Don, VTO, seconded by Roy EBM that the club pay the lawyer \$1,000.00 to initiate incorporation procedures. In discussion, Jack TWK, suggested we ask the lawyer for a letter stating that he would incorporate the club for approx. \$1,000.00 This would prevent the final cost from getting out of hand. Bob, XOX will speak to Ted on this request. Motion carried. To replace the club funds, it was suggested that each member be assessed \$20.00, to be paid during the next few months. As most members just recently paid their membership, it was suggested we wait for a few months before we make an official request of the members.

Tom TSA, recapped the expenses for "Feedback" publication and mailing. Approx \$20.00 is used for postage alone. It reduces cost when he can pass out many at the meetings. Tom also mentioned that 15 have passed their amateur licence, with 8 of these obtaining their 5 wpm endorsement. Expected that 19 out of the original 20 students signed up, will receive their amateur ticket. Inquiries have been received from 4 additional people asking when the next course will be held. Tom has made the material available if they wish now, however the next structured classes will likely be this fall. Bob, XOX reported that Ross, CUV has had a severe heart attack and is in hospital. He was in intensive care, then on the ward for a few days, but then back to CCU. Ross is now in London University Hospital for further care. Henry TTV did have a visit with him before he was sent to London. Secretary sent a card on behalf of club members, wishing him a speedy recovery. Mentioned that the club should send a basket of fruit, or something when he is out of intensive care. Ian HIP will follow up. Repeaters VE3GBT and OST are now on the air in test mode. Members are encouraged to use both often now, before final installation at the permanent sites. Rick HIO reported on progress of both these repeaters.

NEW BUSINESS

Gene, IJD has a scout winter camp out on Jan. 29, 30 and 31. at Harrison Park in Owen Sound. They are in the stone building, heated by wood, and will be setting up hf and packet radio. Plans are to pass on messages to other troops on those dates. Any help from club setting up antennas, rigs or operating would be appreciated. Noted that our club photographer, John TXB has had a car accident. He was not injured, however front of his vehicle is pretty well crunched. If you hear him on the air, a little cheering up is in order as he is feeling a bit down these days. The packet radio course given by Gen IJD, will be at West Hill High School, 2 Wednesday evenings, Jan 20th and 27th. Cost is \$20.00 per student and suggested that any funds after costs be targeted for packet radio use, such as a controller for installation in the area. So far 21 have registered and Gene has to cut off at 25. Both basic and advanced instruction will be given. Best to sign up soon if you plan to enroll.

Club members were reminded by Tom TSA that 93 is the 20th anniversary of GBARC. Possibly the club should order cards and erect a special event station at a mall. Bob XOX, will investigate and report next meeting. The idea that we have a draw for a rig to raise money for the club was quickly dropped. Most people are tired of being asked to buy tickets for almost any price under the sun. It was noted the office of program director is still open. No offers were forthcoming at this time. The weekly cw net on 3670 khz at 8:30 P.M. is providing lots of fun for those members checking in. More are asked to check-in and try hammering the key a bit for a change from phone. Jack TWK mentioned he had about 40 contacts on 2 meters during his return trip to Florida. Some repeaters had taped messages every 1/2 hour about the local clubs and upcoming events. It was suggested we should think about this, but not every 1/2 hour. It would be possible to do this several times a day, from a station location and not necessarily at a repeater site. Allan Park group are also planning some taped messages for their repeater.

Motion to adjourn by Jack DTS, 2nd by Henry TTV.

Winner of the 50/50 draw was Henry UWD, who just recently obtained his ticket and joined the club.

MARITIME MEDICAL DICTIONARY

- | | |
|--|---|
| Anally - Occurring yearly. | Medical Staff - Doctor's cane. |
| Artery - Study of paintings. | Morbid - Higher offer. |
| Bacteria - Back door to cafeteria. | Nitrate - Cheaper than day rate. |
| Barium - What doctors do when treatment fails. | Node - Was aware of. |
| Bowel - Letters like A,E,I O, U. | Outpatient - Person who has fainted. |
| Caesarian Section - A district in Rome. | Pap Smear - Fatherhood test. |
| Catarrh - Stringed instrument. | Pelvis - Cousin of Elvis. |
| Cat Scan - Searching for kitty. | Placenta - Christmas flower. |
| Cauterize - Make eye contact with her. | Post operative - Letter Carrier. |
| Colic - A Sheep dog. | Prostrate - Flat on your back. |
| Congenital - Friendly. | Protein - Favouring young people. |
| D & C - Where Washington is. | Recovering Room - Place to do upholstery. |
| Diarrhea - Journal of daily events. | Rectum - Nearly killed 'em. |
| Dilate - To live long. | Rheumatic - Amorous. |
| Enema - Not a friend. | Scar - Rolled tobacco leaf. |
| Fester - Quicker. | Secretion - Hiding anything. |
| Fibula - Small lie. | Seizure - Roman Emperor. |
| Genital - Non-Jewish. | Serology - Study of Knighthood. |
| GI Series - Soldier's ball game. | Tablet - Small table. |
| Grippe - Suitcase. | Terminal Illness - Sickness at the airport. |
| Hangnail - Coat hook. | Tibia - Country in N. Africa. |
| High Colonic - Jewish religious holiday. | Tumor - An extra pair. |
| Impotent - Distinguished; well known. | Urine - Opposite of you're out. |
| | Varicose - Located nearby. |
| | Vein - Conceited. |

Tom

WHAT WOULD YOU THINK OF A COLUMN IN FEEDBACK ENTITLED HINTS AND HINTS , OR SOMETHING LIKE THAT ??

SUCH AS IF YOUR KEY , BUG OR PADDLES SLIP ALL OVER THE TABLE. ...TAPE A SHEET OF SANDPAPER TO THE TABLE WITH SAND SIDE UP.NOW PLACE YOUR PADDLES OR KEY ON THE SANDPAPER AND SEE IF IT SLIPS

IF YOU NEED SMALL CLAMPS WHEN SOLDERING TRY USING SPRING CLOTHES PINS . THEY WORK.

FOR A TEMPORARY ANTENNA ,OR A PORTABLE ONE , TRY 66 FEET OF WIRE (I USE ONE STAND OF LAMP CORD), TIE SIX INCHES OR SO OF EASILY BROKEN STRING TO THE END OF THE WIRE AND TO THIS TIE A ROCK OR BEER BOTTLE.....YOU WILL MAYBE NEED A TUNERBUT THROW THE ROCK UP INTO A TREE....WORK YOUR STATION AND WHEN READY TO MOVE ON, PULL THE STRING WHICH WILL BREAK AND YOUR OFF AND RUNNING. WATCH OUT FOR FALLING ROCKS ! INSTEAD OF A ROCK I HAVE USED A 1 LITER MILK BAG FULL OF SAND, GRAVEL OR WATERMUCH EASIER ON THE SKULL..HI.

THE BEST PORTABLE ANTENNA I'VE USED , IS A TWENTY METER DIPOLE I USED TO WORK LOCAL HAMS WHILE TRAVELING ACROSS CANADA AND DOWN TO CALIFORNIA .I CARRIED A COLLAPSIBLE POLE 18 FT. LONG , AN ANT. TUNER STRINGUSED THE ANT IN ALL CONFIGURATIONS.....SLOPPER, A VERTICAL , A DIPOLE , INVERTED VEE, VEE BEAM , INVERTED L AND THEY WORKED LIKE GANGBUSTERS .

ANOTHER IDEA, I HEARD BUT HAVEN'T TRIED...CUT A DIPOLE TO THE FREQUENCY TO BE USED , PLACE A BALON IN THE CENTER, FEED WITH COAX,AND ERECT ANT. NOW, TO GET THE SWR DOWN, RAISE OR LOWER ONE END OF THE ANT , JUST ONE END, AND THE SWR SHOULD ADJUST TO A SATISFACTORY LEVELI HOPE.

I AM SURE THAT ALL CLUB MEMBERS, WHETHER NEW MEMBERS OR OLD ONES, HAVE A GREAT DEAL OF INFO AND HINTS THAT WILL BE VERY USEFUL TO OTHER FELLOWS . SO GET OFF YOUR BUTTS,HELP TOM FILL THE PAGES OF FEEDBACK AND HELP THE OTHER GUYS AT THE SAME TIME.....SO OVER TO YOU ! K...SK...AR...VA OR WHATEVER .

X

Ted AEO

I THINK A HINTS COLUMN IS AN EXCELLENT IDEA TED.....WE COULD CALL IT TEDS TIDBITS AND ANYONE COULD CONTRIBUTE....A COLUMN LIKE THIS COULD BE OF GREAT HELP TO OUR NEW MEMBERS....SO C'MON GUYS...HOW ABOUT IT?.....SEND IN UR CARDS AND LETTERSTHANKS TOM

An Introduction to packet radio by Larry Kenney WB9LOZ

This is the final installment of a set of articles which do a very good job of explaining packet radio. This is good reading for the packeteer as well as the new comer. Even if you don't have a TNC or do and don't seem to get the most of it, read on and take the mystery out of all those wierd commands..... *editor*

INTRODUCTION TO PACKET RADIO - PART 14 by Larry Kenney, WB9LOZ

How did you do on the review quiz in the previous part of this series? If you haven't taken it, you might want to read part 13 and take the quiz before reading any further.

Here are the correct answers and the series part number where you can read more about the subject:

1 - Answer C is correct. The three TNC modes of communication are Command, Converse and Transparent. Command mode is for communicating with the TNC. The Converse mode is for normal QSOs, connects to a BBS or mailbox, etc. and Transparent mode is used for binary file transfer. (Part 2)

2 - The UNPROTO command is used for setting the transmit path for both beacons and CQs. (Parts 3 and 11)

3 - The CHECK command is used for setting a timeout value in your TNC. If set to a value other than zero, the TNC will attempt to recover a connection after a certain specified time if nothing is received from the other station. This command is used in combination with the AX25L2V2 command. (Part 11)

4 - The MCON command (Monitor while CONnected) is used to monitor other traffic on the frequency while you're connected to another station. (Part 4)

5 - When monitoring, the asterick indicates the station that you actually hear the packet from. The

MRPT command must be ON for the monitor display to show digipeaters. (Part 4)

6 - NET/ROM and TheNet nodes improve communications because packets are acknowledged from your station to the first node, and then node to node to the destination. A packet doesn't have to reach the destination before an ack is returned. (Parts 6 and 7)

7 - When using NET/ROM or TheNet (no matter who you're connected to) you disconnect by going to command mode on your TNC and sending a D, just like at other times. The fact that you're using several nodes or are connected to a distant station makes no difference. The network will take care of disconnecting all stations and links. (Parts 6 and 7)

8 - N6ZYX-2 would appear as N6ZYX-13 if he connects to you using a node. The nodes change the SSID using the formula 15-N. (Part 6)

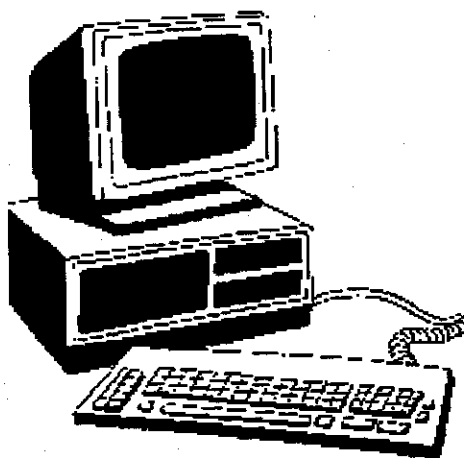
9 - The two most probable causes for a packet not to get through are collisions with other packets on the frequency and noise due to weak signals. (Part 10)

10 - BBS commands: a. To receive a list of messages: L b. To download a file in the General (G) directory called FCCEXAMS.89, you'd enter DG FCCEXAMS.89 c. To enter a private message to Jim, WA6DDM: SP WA6DDM @ W6PW (The "@ W6PW" is not needed if you're using

the W6PW BBS.) d. To read message 7134 with headers: RH 7134 e. To find out what stations were heard on port B of the BBS, you'd enter JB (Part 5)

11 - If you wanted to send a message to Tom Smith, 123 Main Street, in Keene, NH 03431, you would enter the following at the BBS prompt > ST 03431 @ NTSNH (Part 8)

12 - A message with a STATUS of BF means that the message is a bulletin and that it has been forwarded to all stations that are supposed to receive it from the BBS you're using. (Part 9)



INTRODUCTION TO PACKET - Part 15 by Larry Kenney, WB9LOZ

WORLI, N6VV, and VE3GYQ have devised a scheme called HIERARCHICAL ADDRESSING. With hierarchical routing designators we have an opportunity to improve traffic routing. No longer will a missing call in a BBS forwarding file cause a message to remain unforwarded, sysops will no longer have to burn the midnight oil trying to keep their forward files up to date, and messages will move much more directly toward their destination.

The format for hierarchical routing is: addressee @ BBScall.#local area.state-province.country.continent.

It might look complicated, but it's not. First, note that each section of the format is separated by a period. Codes used for the continents and countries are standards, now accepted throughout the world. You should be able to find a list of them in the file section of your BBS. State and province codes are the recognized two-character codes established by the American and Canadian Post Offices. These may be found in the Callbook, your phone directory, or any zip code listing. The code for local area or county is optional, since most of you have no idea what code is being used back in upper New York state or in Iowa City, IA. If you know it, use it, since it will help get the message closer to where it's going. The code for Northern California is #NOCAL, and the code for Southern California is #SOCAL. You should use the appropriate one in your signature line. For messages going outside of the US or Canada, the local area is optional and the state is eliminated.

Using the hierarchical format, here are some routing examples: WB9LOZ @ W6PW.#NOCAL.CA.USA.NA
N6KZB @ KD6SQ.#SOCAL.CA.USA.NA KC3XC @
N4QQ.MD.USA.NA JA1ABC @ JA1KSO.#42.JPN.AS
VK4AHD @ AX4BBS.AUS.AU

You'll note that the local area code is preceded by the octothorpe #. (Now, how's that for a \$5 word?) The reason is that the Japanese network, and possibly other areas, want to use routing numbers for the local area/county code, which could get confused with zip and postal codes. Using the # on all local area codes will eliminate forwarding problems.

We need to emphasize two very important points: hierarchical addressing DOES NOT indicate a forwarding PATH, and ONLY ONE BBS call should be included in the address. A list of BBS calls separated

by dots will not get your message to its destination. The addressing scheme is said to be one area inside another area. Using my hierarchical address as an example, WB9LOZ @ W6PW.#NOCAL.CA.USA.NA, here's how you would describe the address: "WB9LOZ at W6PW which is in Northern California which is in California which is in the USA which is in North America".

There are several BBS programs that implement hierarchical addressing now, including the WORLI, AA4RE and WD6CMU software. Check the ID block you receive when you log into your BBS. If it has an H in it, such as [RLI-9.07-CH\$] or [4RE-02.4-HM\$], your system supports it.

This next section explains how the BBS software uses the hierarchical addressing scheme. We first have to understand how the software goes about matching items in the "@ BBS" address with items in the forward file. For an example, let's say that we send a message to Tom, W3IWI, who operates his own BBS and is located near Baltimore, Maryland. We would enter: SP W3IWI @ W3IWI.MD.USA.NA If the only entries in the forward file are California BBSs plus a list of state abbreviations, let's see how the message would be forwarded. The first thing the software does is attempt to find a match between the items in the forward file and the left-most item in the address field. In our case, it would not find W3IWI. If there isn't a match, it then moves to the next section to the right. It would find MD and that match would allow the message to be forwarded. If it had found the call W3IWI, that entry would take precedence (because it is more left in the field than MD) and would of course also ensure delivery.

Here are some comments from the ones who devised the hierarchical addressing:

"There is another added benefit to this scheme. It involves Gatewaying between the BBS world and other networks, such as TCP/IP via SMTP. Much of the pioneer work in setting up the gatewaying protocols has been done by NN2Z, N3EUA, and PA0GRI, amongst others. The WORLI BBS package allows for the forwarding of mail between the BBS world and the SMTP world. Of note is the fact that the WA7MBL package has allowed such message exporting and importing for some time now. This means that we can take advantage of the the TCP/IP host-names and their domain or hierarchal format for forwarding. Thus it is possible to send mail from the

BBS to VE3BTZ as ve3btz@pc.ve3btz.ampr.org or from SMTP to w0rli@w0rli.ca.usa.na and not have any ambiguity.

"We expect that WA7MBL will also be implementing hierarchal routing in the near future. This system is still compatable with older style systems, as a system that handles hierarchal forwarding identifies with the H feature letter: [RLI-8.00-CH\$]. If it does not get an appropriate response, it uses the left-most item in the "@ BBS" string as the "@ BBS" for the message.

"The authors hope that this paper will serve as a starting place for improved message routing by means of implicit routing. Low-level (VHF) BBSs need only maintain state or province or country codes for distant BBSs, and route such traffic to their nearest HF Gateway. In turn, the HF station routes it to the desired state, where the receiving Gateway station would have a detailed list of the BBSs it serves."

Comments from W0RLI, N6VV and VE3GYQ.

73, Larry, WB9LOZ @ W6PW.#NOCAL.CA.USA.NA

INTRODUCTION TO PACKET RADIO - PART 16 By Larry Kenney, WB9LOZ

In the previous 15 parts of this series, this column has covered all of the basics of packet radio - from setting up your TNC and making your first QSO, to using digipeaters and Net/Rom. Many of the TNC commands have been explained, including the best settings for normal packet use. I have discussed the procedures used for logging into a packet Bulletin Board System or Mailbox, and have given you information on how to list, read and send messages, download and upload files, and use other features available. I've talked about the general message format, the reasons for limiting the number of digipeaters you use, calling CQ on Net/Rom and a variety of other topics.

More articles will be written as new developments are made and old features are updated. There are several programs available for making special use of packet, such as TCP-IP, Tex-Net and Conference Bridging, and high speed modems are just around the corner. Perhaps we'll take a look at those topics in the months ahead. Right now I'm not familiar enough with them to write about them. I'm interes-ted in getting on the air with TCP-IP, so I might get into that next.

If you have any comments on this series, have any

questions on the topics discussed, or want to suggest new topics for discussion in future articles, please leave a message for me. I hope that you've found this series to be informative and helpful in making packet more enjoyable.

73, Larry Kenney, WB9LOZ @ W6PW

An SWL Rap

by James Jones, via Rich Burns

Gimme a BEAT!

Hey, WAKE UP, don't take a nap,
It's time to hear my shortwave rap!

I wander up and down the band,
a tuning knob in my hot little hand,
listening to signals from voice to RTTY,
hearing weird stuff from a distant city.

I got antennas and wire strung all over the
yard,
if you need to find me it won't be hard,
just drive down my street until you see
the house with the aluminum monstrosity!

Well, my wife is mad at me because,
I didn't save my money like she thought I
was.
She said, "ANOTHER RADIO?? TAKE IT
BACK!!
Or you'll find yourself sleeping out in the
shack!!"

So, if you think you need a new receiver,
go on, buy it, succumb to the fever,
so what if she threatens you with bodily
harm,
cuddle up to the radio, it'll keep you
warm.

I've reached the end of my dissertation,
on the joys of chasing propagation,
So I'll try to catch that station from Hell.
I only hope they QSL!

For the attractive red and white certificate you must QSO and confirm (or log and confirm for SMLs) different prefixes (not just stations) of Canada. All contacts must be on or after February 15, 1965, the date on which Canada received its official flag. Send log data only or complete the call sign table below.

The award issued in different classes as follows:

- Class IV requires 10 prefixes. The cost of classes IV to I is \$3.00 or 7 IRCs.
- Class III requires 15 prefixes. The MLA 50 Plaque is \$35. CDN for VE/VO/VY \$35. US for W/K/A/N \$45. US for DX \$50. CDN for VE/VO/VY \$50. US for W/K/A/N/DX \$60. CDN for VE/VO/VY \$65. US for W/K/A/N/DX
- Class II requires 25 prefixes.
- Class I requires 30 prefixes.
- MLA 50 PLAQUE " 50 prefixes.
- MLA 100 PLAQUE " 100 prefixes.
- MLA 200 SCROLL " 200 prefixes.

Maple Leaf Award

record for: _____

Send your application to VE3GCO, The Maple Leaf Radio Society, 5 McLaren Avenue, Listowel, Ontario, Canada, N4W 3K1.



	1	2	3	4	5	6	7	8	9	0	Special
PX											
CF											
CG											
CH											
CI											
CJ											
CK											
CY											
CZ											
VA											
VB											
VC											
VD											
VE											
VF											
VG											
VO											
VX											
VY											
XJ											
XK											
XL											
XM											
XN											
XO											

Revised 1.1.1992

TOTAL

Tks VE6LB for chart preparation.

SHORT BITS

HAM FISTED- ONE OF THE EARLIEST AMATEUR RADIO STATIONS WAS OPERATED FOR THE HARVARD RADIO CLUB BY ALBERT HYMAN, BOB ALMY AND POOGIE MURRAY, AND THEIR SIGN BECAME **HAM**, THE FIRST LETTER OF EACH SURNAME. IN 1911, THE WIRELESS REGULATION BILL WAS INTRODUCED TO THE U.S. CONGRESS TO BRING ORDER TO CHAOTIC, UNREGULATED AIRWAVES AND LIMIT AMATEUR ACTIVITY. HYMAN, VERGING ON TEARS, TESTIFIED BEFORE A CONGRESSIONAL COMMITTEE THAT HEAVY LICENSING FEES AND OTHER REQUIREMENTS WOULD FORCE **HAM** OFF THE AIR. WHEN THE BILL REACHED THE FLOOR OF CONGRESS, SPEAKER AFTER SPEAKER ROSE TO DEFEND THE RIGHT OF RADIO STATION **HAM** TO TRANSMIT. INTERNATIONAL NEWS COVERAGE PLACED **HAM** IN THE PUBLIC CONSCIOUSNESS AS A SYNONYM FOR AMATEUR RADIO. LOOK IT UP IN THE CONGRESSIONAL RECORD.

CHATHAMS DXPEDITION A group of eight ZL amateurs will be present on the Chatham Islands from 1st March 1993 to 10 March 1993. During this time we will be engaged in the 160 metre have a go activity organised by ZL3DK, DX work on all HF bands, 6metres and 2metres also taking part in (Winning?) the Jock White National field days competition likely operating under the callsign of ZL7AA. Outside of the field day competition we will be operating split frequencies on all bands. The Following is a list of frequencies we will be transmitting on. Receive frequencies will generally be 5 kcs up from these.
.....CW Phone

- 80 metres 3.505 3.795
- 40 metres 7.005 7.085
- 20 metres 14.025 14.195
- 15 metres 21.025 21.295
- 20 metres 14.095 14.195
- 10 metres 21.025 21.295

QSLing will be either via the Bureau or via ZL2AL P.O. Box 54 Hastings, New Zealand.

73's De ZL2ARF.

THE DXCC DESK ANNOUNCED TODAY THAT THE START DATE FOR 5-BAND DXCC HAS BEEN CHANGED FROM JANUARY 1, 1969 TO NOVEMBER 15, 1945. THIS CHANGE IS EFFECTIVE IMMEDIATELY.

ARRL MANAGEMENT MADE THIS DECISION, IN CONSULTATION WITH THE MEMBERSHIP SERVICES COMMITTEE, IN ORDER TO SIMPLIFY THE PROGRAM. NOW THAT ALL DXCC BAND AWARDS HAVE THE SAME REQUIREMENTS, ANYONE WHO HAS A 10, 40 OR 80-M DXCC WILL AUTOMATICALLY BE GRANTED CREDIT TOWARD 5BDXCC. LIKEWISE, A 160, 6 OR 2-M DXCC IS SUFFICIENT FOR A BAND ENDORSEMENT TO 5BDXCC.

A CHANGE IN THE START DATE OF CW DXCC IS NOT PLANNED FOR THE FORSEEABLE FUTURE.

DXpedition South Pacific

During the time of February 4th 1993 to February 28th 1993 we go to the south pacific and operate there. (ZK1 - Febr 6th to Febr 15th, 5W1 / KH8 - Febr 17th to Febr 28th). Equipment: 2 stations and linears, beams, dipoles & vertical antennas. We will be active on all bands (inc. WARC) in CW & SSB.

Band CW SSB

- 80 3505 3795
- 40 7005 7045
- 30 10105
- 20 14025 14195
- 17 18080 18130
- 15 21025 21295
- 12 24895 24945
- 10 28025 28495

QSL Information: to DL7UO (ex Y23UO) via bureau or direct: Siggie Presch Wilhelmsmuehlenweg 123 1144 Berlin Germany/ Europe

73 de Ragnar DL7URH (ex Y51TO) 04.01.1993 04:27:31

For the 1993 ARRL **International DX Contest** (phone and CW) the Czech Republic (OK, OL) and the Slovak Republic (OM) will count as separate multipliers. Their DXCC status is now pending before the ARRL DX Advisory Committee.

The ARRL International DX Contest, CW runs from 0000 UTC February 20 until 2400 UTC February 21. The phone portion runs on March 6 and 7.

**FOR
SALE**



VE3AEO TED 376-9004

HF BEAM - BUTTERNUT MINI-BEAM, IN ORIGINAL CARTON, NEVER USED \$200.00

DENTRON DIPOLE ANTENNA- ALL BAND HF FED WITH 450 OHM LADDER LINE \$35.00

VE3HIP IAN 371-5479

HONEYWELL AES COMPUTER - 2 -8" 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. \$250.00 FOR COMPLETE SYSTEM

VE3TWK JACK 376-3440

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

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

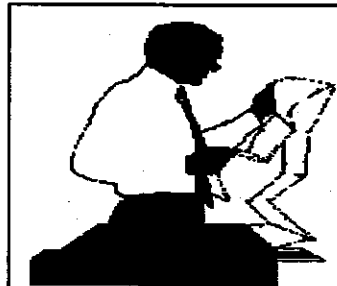
VE3TSA TOM 371-9805

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

VE3MVS MERV 534-4413

HANDHELD.... I AM LOOKING FOR A GOOD USED HANDHELD



TO ERR IS HUMAN

*TO REALLY FOUL
THINGS UP TAKES A
COMPUTER*