

VE3OSR GEORGIAN BAY  
AMATEUR RADIO CLUB

OWEN SOUND  
ONTARIO

18 OCT 1984

# Feedback

GBARC FILE COPY

Monthly bulletin of

The Georgian Bay  
Amateur Radio Club



Editors Column.

The club is still looking for an editor ,if you or someone you know would like to take on the job for the next season please come forward and let your executive know.

As you may have seen from the minutes the bulletin is not to be sent out to all the clubs on the previous list, but to TCA CRRL & Ont, Amateurs this was as a question was raised by me as to the merit of these extra copies, when many of the items would not be of interest to any other club people and the one which would be could be expected to appear in one of the three listed above.

The cost of stamps is expected to go up again in 1985 so I had some of the last issue hand delivered. T1 secondary impedance limits current flow to filter capacitor.

I do not use the club typewriter, I was told its not working too well, by the way I'll bring all the editor 'stuff' along to the next meeting, for the property dept or the next editor to claim.

One of the things that Rob set up was a list of members and their payed up status, that is important as one free issue after the year end is all that we allow if your not paid up.

I was glad to take over the editors job for Sept. and Oct. thanks for your assistances

73 Dick VE3BIS.

FOR SALE COLUMN.

1 S.B.E. Transceiver 80-40-20-15 mtrs. 50w output AC DC small size ideal for mobile use See Stu Mac Kinnon or Dick Shave Negotiable

1 Realistic Receiver Model SX 190 covers 3.5 5.7 7.0 9.5 11.5 14.0 15.0 17.5 & 21.0 Mhz theres a position for one more band if the Xtals are put in. for further information contact Dick VE3BIS.

1 Variable voltage power supply 3 - 25 Volts at 8 Amps. very good for two meter rig or as batt charger or general purpose bench supply \$25.00

Contact Dick VE3BIS.

1 IFT 227RA with scanner mic and Band Expander \$225.00

1 Vic 20 computer 20 tapes with Air 1 board \$300.00

1 Power supply Micronta 2.5 amp. \$40.00

Contact Don Roberts-Scherman Kincardine 396-4765.

If your looking for a special part dont forget to ask Ted VE3AEO or Jim VE3BFV or Dick VE3BIS they have a lot of vast parts or at least half vast parts Hi Hi.

if you have any thing for sale get the info to the editor ASAP.

DUES ARE DUE ARE DUES ARE DUE YOUR DUES ARE DUE MY DUES ARE DUE DOOS R DOO

Der NEXT MEET'N ARE ON DER TUESDAY BEIN DER HAITEEN HOCTOBR. UP AT SUM PLIS LAS TIMM  
DANK HUE VRY MUCHHH

#### MINUTES OF SEPTEMBER 1984 MEETING

The Georgian Bay Amateur Radio Club met on Sept. 20th at the Tourist Information Centre, Springmount. The meeting was called to order by Vice-President Norm Biggar at 8.15 PM. There were 16 members present.

Norm and Moe are organizing evening classes to teach the fundamentals of amateur radio, starting Oct. 2nd. About 8 candidates are interested in enrolling. It was decided that either Georgian College or O.S.C.V.I. would be the most suitable locations. Jim Vamplew will investigate the former and Norm the latter. Ads are appearing on cable TV but it was suggested announcements be inserted in local newspapers and word-of-mouth by members. It was agreed that the students be invited to attend future meeting of the G.B.A.R.C.

Bill Kohlman stated there is also some interest in holding similar classes in Port Elgin.

Dick Shave suggested a Feedback editor be selected since he nor Stu Mackinnon will be able to carry on. No offers were forthcoming. It was moved by NEG, seconded by CRV and carried that the only organizations to receive Feedback should be CRRL, TCA and the Ontario Amateur.

Dick reminded the members to check into the Net on 2 meters daily at 7.00 PM.

Norm called for payment of the annual \$15.00 dues.

It was suggested that we might set up an antenna system at the Owen Sound hospital for emergency purposes. Jim Vamplew agreed to approach the hospital board to see if they would be receptive.

Stan and Dave reminded the group of the forthcoming Split Rail Festival and received several volunteers.

There was more discussion on changing the OSR frequencies because of interference with other repeaters. Apparently Paul KOI has offered the use of his but they probably would not be satisfactory since North Bay now has a repeater using those frequencies. It was agreed that the Secretary seek advice from the Repeater Council. An alternative might be to add a remote squelch control to OSR that could be activate at times of severe interference. Jim Vamplew agreed to ask Paul about the operation of his squelch control.

The meeting concluded with coffee and donuts while Dick showed some excellent slides of hams and ham activities, past and present.

Dave DX0, Secty.

#### NEWS ITEMS

Norm. VE3MEV with the assistance of Moe VE3LPT is putting on beginners classes to start Oct. 9 and to continue thru the winter each Tues. at 7:30 PM at the OSCVI Rm. 122. the cost is \$16.00

Beginners classes are also to be conducted in Port Elgin to start Tues. 16 Oct. at the SDSS Rm. 102 cost \$40.00 including all study guides and code tapes. credit The Port Elgin repeater is still doing a good job, all are invited to call in any evening at 7PM. An auto patch is about ready to go into operation, Gerry VE3CAC and Andy VE3LCZ are moving on that.

Andy has a new Hvy. duty tower soon to be erected, Bill VE3NEG has a new beam, Bill will be looking for a good tower so keep yours tied down. Hi Hi.

Harvey VE3FOT is back on the air on the lower bands, good Harv. take care.

I had a nice visit with Ted VE3AEO and XYL Ruth, we, Ted and I went to the junk yard got some prizes. Hi. HI

Bill NEG and Dick BIS went to the London Flea Market it was pretty good we got rid of some cr... I mean some equipment, we had a good time met a lot of the gang, Bill didnt break my leg this year.

I'll be heading south about the first part of Nov. and hope to hear you on the snowbird or this year on ONTARS at about 7AM as we can come down to 3750 now, I hope Andy has his beam up so we can make contact as we have done in the past two years.

73 Dick VE3BIS

Bill Hardie was editor at that time (VE3EFX) the club had \$101.79 in the coffers, the club was asked to suport the Split Rail festival for the first time, Wes White and Harvey VE3EPC/VE3FOT were in charge. Classes for Beginners was to start on the 24 Th. of Sept. EFX was heading for GM Bar. The Bulletin didnt have the departments, ie the Presidents report, or the activities rep. report. etc. ( I hope we'r not going back to those days?)

Club archives are available to any one who would like to have them, they consist of binders with pictures and news paper cuttings, if you see a picture which could use a little more descriptive comments then, and if your sure add them, as you remember we had some trouble remembering names of some of the ones who are gone when we saw slides at the last meeting.

ITEM

TRANSC CANADA NET each sat. and sun. at 1800Z at 14.140 this net is conducted for all of us to use, its a good place to meet your freinds from other provinces and to pass traffic, its infermal, mostly SSB but CW is used at times. The net has been on for many years and does a good service for all who wish to use it. With winter and more indoor activities commencing it would be a nice gasture to call in and offer to accept traffic, if we get on and our call and location are heard then those who may think there are no amateurs in this area will know different. Get to know which nets are available to you in this area, lets remember the nets a there regulaly, not just when we have traffic to pass. Be a net minded person. How many nets are in service every day in this area ? ie that you and I can access.

Filter capacitor sizing for D.C. power supplies  $C = \frac{I_{load} \times t}{p/p \text{ ripple}} \times 10^3$

Iload = load current  
p/p ripple, is the ripple voltage you desire as a max (2% is average)  
t = time of each half. cycle (17 for half wave rect. 8 for full wave rect.)

$C = \frac{5.0 \times 8.0}{0.57} \times 10^3 = 60000 \text{ MFD.}$

The size of the capacitor may be reduced when a good regulator is used, even a regulator wont take care of voltage drop in the windings of a transformer which is over loaded.

See p/s article in this issue.

A Primer on D.C. power supplies.

The transformer T1 steps the A.C line voltage down or up to the level nearer to the DC level we want.

The current used must be smooth and flow in one direction ie D.C. direct current to attain this the AC voltage must be rectified B1(bridge or rectifiers) may be used in this case a bridge,

A capacitor is used to supply current while the A.C is below the level required to supply the load, at that time the current fed to the load will be fed from the filter capacitor. Circuit current flow is as shown on diag. abcdefg. gbcdefa.

A regulator is often used to set and hold a fixed voltage level, ie 12 volts to a two meter rig.

Even with regulator the voltage will not hold up if there is insufficient current, the filter capacitor has to keep a supply of current to the regulator and on to the load when the A.C. is between peaks.

The filter capacitor in turn is supplied from the transformer as each half cycle of voltage is fed through the bridge in the right direction (rectification takes place)

? What limits the charge rate at moment of turn on as the capacitor charges up.

? What size capacitor is needed to provide five amps at twelve volts to the load, (1 ohm Reg Z.) (An adequate supply from T1)

Look elsewhere in the bulletin for answers. This is the first in a series of articles on power supplies. 73 Dick VE3BIS.

fee lose if fee

Why is it we spend so much time teaching our kids to be nice people and turn them out into a world of not so nice people ?

How come so much money is spent to convince you and me to buy soap flakes and so little money spent showing people how to drive a car, d'y ever hear of anyone run over by a soap flake.

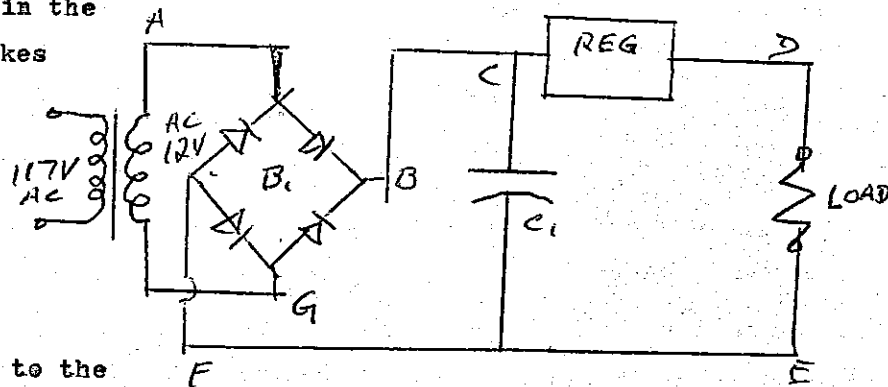
Why do all us smart people criticize our governments and know all the answers and still dont come forward and save the world?

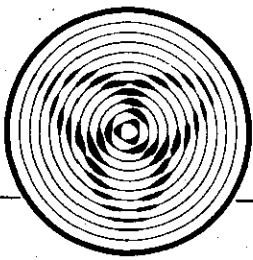
My Grandad used to say empty barrels make most sound, he probably wasnt thinking of gun barrels.

A fisherman spends \$5000 for a boat \$100 for rod and reel \$800 to get there and then goes looking for the closest pub.

Beam antennas are for the birds, check yours at migration times, you'll see.

The old Curmudgeon.





# RADIO SOCIETY OF ONTARIO INC.

Box 246  
Port Credit Postal Station  
MISSISSAUGA, Ontario L5G 4L8

## List of Net Controllers Ontars 75 RSO Weekly Bulletin Stations

Please keep for reference

Listed below are the current official bulletin stations of the Society, including the day, time, frequency and location on which these weekly bulletins are transmitted (except during the summer months).

Day	Local Time	Freq MHz	Net or Location	Bulletin Stn
Monday	1930	147.24	St. Catharines	VE3DSW
Tuesday	1830	147.06	Toronto	VE3EJW
	1930	146.94	Kingston	VE2IVX
	1930	224.76	Hamilton	VE3GVC
Wednesday	1900	3J790	CJ Net	VE3BB
	1900	147.03	Goderich	VE3AIU
	1915	3.770	Ont. Phone Net	VE3BB
	1945	146.76	Hamilton	VE3GVG
	2015	3.750	N.W. Ont.	VE3JY
	2030	146.985	Toronto	VE3AR
Saturday	1700	3.755	ONTARS	VE3CLK
	1830	147.06	Sudbury	VE3ATM
	1900	7.070	Laurentian	VE3ATM
	2000	3.775	Que. Radio Net	VE3CV
Sunday	0920	3.768	North Bay	VE3VQ
	0945	3.783	Georgian Bay	VE3LCZ
	1000	3.760	Ottawa	VE3CV
	1000	28.400	Scarboro (Tor.)	VE3IEL
	1130	7.192	Toronto	VE3AR
	1300	147.21	Burlington	VE3LWZ
	1700	3.755	ONTARS	VE3CLK
	1900	147.06	London	VE3FOV
	2030	147.00	Windsor	VE3FIO
	2100	146.94	Sault Ste. Marie	VE3JIX

Please notify Bruce Carveth, VE3BC, Communications Chairman, of any changes in the future.

Please send any information to be announced on RSO Weekly Bulletins to:

RSO Weekly Bulletins  
Editor, Dave Digweed, VE3FOI  
12 Frederick Street  
St. Catharines, Ontario L2S 2S2  
This service is free to all amateurs.

## Low-Frequency Net Directory

EST. TIME	DAY	NET NAME	FREQUENCY
0600	Daily	Maritime Weather	3770
0700 to			
1800	Daily	Ontars	3755
0700	Sunday	Maritime Oldtimers	3750
0800	Daily	Happy Gang (VE2 White Cane)	3765
0800	Daily	Professional Loafers	3787
0800	Daily	Maritime White Cane	3765
0830	Wed.	Minnie (White Cane)	3765
0900	Sunday	QCWA	3773
0900	Sunday	North Bay ARC	3768
0900 to			
1800	Daily	Trans provincial	7055
0930	Sunday	Georgian Bay ARC	3783
1000	Sat. & Sunday	Ottawa Pot Hole	3760
1000	Sunday	Skywide ARC (Toronto)	7060
1030	Sunday	Nortown ARC (Toronto)	3770
1100	Sunday	London ARC	3750
1100	Sunday	West Side ARC (Toronto)	
1300	Sat. & Sunday	Trans Canada	14140
1400	Tue.	Clara	14160
1600	Sat.	Ont. Trilliums	3770
1600	Daily	Professional Loafers	3787
1700	Daily	Quebec White Cane	3765
1800	Daily	Maritime	3750
1830	Daily	CJ(Chicken Junction)	3790
1845	Daily	Laurentian	3755
1900	Daily	Ont. Phone	3770
1930	Daily	Quebec	3775
2000	Wed.	White Caners	3765
2015	Daily	Northwest Ontario	3750
1600	Daily	Ont. Southern	7045
1815	Daily	Grey Bruce (Slow)	3645
1830	Daily	Grey Bruce	3645
1900	Daily	Ont. Southern	3667
1900	Daily	Atlantic Provinces	3654
1945	Daily	Eastern Canada	36521
2130	Daily	Eastern Canada	36521
2200	Daily	Ont. Southern	3667
2200	Daily	Grey Bruce	3645

†Alternate Frequency 7040

