

AUG 1983

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# Feedback

Monthly bulletin of

The Georgian Bay  
Amateur Radio Club



# GBARC

The Georgian Bay Amateur Radio Club (GBARC) is based in Grey and Bruce Counties and meets at 8 p.m. sharp on the third Thursday of each month, except July and August, downstairs in the Grey-Bruce Tourist Information Centre at Springmount, just west of Owen Sound.

The club marks its tenth anniversary this fall and winter. It was formed in late 1973 by a core of area amateurs consisting of Dick Shave, VE3BIS; Jim Vamplew, VE3CRV; Jack Avis, VE3DTS and Bill Hardie, VE3EFX.

Since then, the club has grown to about 60 resident and non-resident members.

The Georgian Bay Club operates a 2-metre FM repeater on 146.34 (in) - 146.94 (out) at 1200 feet ASL at Woodford, just east of Owen Sound. VE3OSR is an 'open' repeater and covers the area roughly from Collingwood to Southampton and from Durham to the Bruce Peninsula. Autopatch facilities are available.

The GBARC net meets every Sunday at 0930 local on 3.783 MHz with a rotating schedule of net controllers. Any amateur is invited to check in on phone or CW.

## Club officers for 1983-1984

President	Bill Kohlman, VE3NEG
Vice-President	Jack Avis, VE3DTS
Secretary-Treasurer	Jim Harron, VE3BFV
Membership Secretary	Moe Hurlbut, VE3LPT
Program Directors	Don Finlayson, VE3JUO Harvey Smith, VE3FOT
Net Manager	Dave Dixon, VE3DXO
Feedback Editor	Rob Ludlow, VE3AQT
Coffee	Jack Barrett, VE3AUB

## Past Presidents

1973-74-75	Jim Vamplew, VE3CRV
1975-76	Dick Shave, VE3BIS
1976-77	Dave Dixon, VE3DXO
1977-78	Ian Trenholm, VE3HIP
1978-79	Ian Sutherland, VE3HXX
1979-80	Don Richards, VE3IDS
1980-81	Harvey Smith, VE3FOT
1981-82	Laverne Wyville, VE3LPD
1982-83	Moe Hurlbut, VE3LPT

## Dues

Annual dues for full club membership including a subscription to *Feedback* are \$10.00 until December 31 and \$12.00 thereafter.

## Feedback

*Feedback*, the monthly bulletin of the Georgian Bay Amateur Radio Club is published monthly and mailed to reach members prior to each regular meeting. Contributions, articles and letters are encouraged and should be sent to Rob Ludlow, VE3AQT, 847 15th Street East, Owen Sound, Ontario, N4K 1X7. Phone 371-1692. Deadline is the first Thursday of each month.

## Information

More information on club activities may be obtained from the Secretary-Treasurer, Jim Harron, VE3BFV, RR2 Kemble, Ontario, N0H 1S0 or from the Membership Secretary, Moe Hurlbut, VE3LPT, Leith, Ontario, N0H 1V0, or from any other club official.

## Crests

Club crests are designed by and available from Fred Koepke, VE3WF for \$2.00 each.

## President's Report

By Bill Kohlman, VE3NEG

First of all, this being my first report as president, I would like to thank all those who voted for me over my opponents, Hi!

Second, I would like to say thanks to Andy, VE3LCZ and his staff for the many hours they devoted to Feedback.

They put out a very fine paper that was always enjoyed by everyone. Well done.

Dick, VE3BIS; Rahn, VE3MAI and myself went to the Milton flea market and had a very good time. Pleased to report that Dick did not hurt his foot this time. I made sure of that by going to pick him up and helping him into the car.

Ted, VE3AEO was there with his trailer and offered coffee to many club members who showed up. Thanks, Ted, it was a pleasant and appreciated pause.

The next flea market is in Hamilton on October 8 and then on October 23 in London. Dick and I are planning to attend this latter one with a table.

So, if any of you are thinking of going, contact Dick or myself and we'll set up a car pool and/or caravan. Keep this date open and it could turn out to be a really fun day. That is, if old hop-a-long doesn't hurt his foot again. Hi!

Looking forward to seeing you at the September meeting.

73, Bill, VE3NEG

## Coming Events

September 23, 24, 1983 - 1983 RSO Convention at The Inn on the Park, Toronto. (at Leslie and Eglinton - get off the Don Valley Parkway at Eglinton westbound. Keep going west past Don Mills Rd. to Leslie St.) Details and application form next page.

October 8, 1983 - Hamilton Amateur Radio Club Flea Market at the CNIB Auditorium, 1686 Main St. W. General admission 8:30 a.m. to 2 p.m. \$2 (children up to 12 free). Vendors: Room for 75. Additional \$2 per 4 ft. table (tables provided). Setup 7 a.m. to 8:30 a.m. Reserve space from HARC, Box 253, Hamilton, L8N 3C8.

October 23, 1983 - London Amateur Radio Club Swap 'n' Shop at Nordon Restaurant - Banquet Hall, Hamilton Rd. and Commissioners Rd. (southeast London). 9 a.m. to 3 p.m. (vendors at 8 a.m. \$5 per 8 ft. table in advance or \$7 at door - includes adm.) General admission \$3 (under 12 free). Free parking, licensed dining lounge, dining room open for breakfast at 8 a.m. Grand prize - gen. coverage rx. Table reservation must be accompanied by payment. LARC, Box 32 Stn. B., London, N6A 4V3  
Talk-in on .52 simplex or TTT 147.78/.18

1983 RSO CONVENTION  
September 23, 24, 1983  
INN ON THE PARK, TORONTO

Please complete and mail this page with your remittance to:

RADIO SOCIETY OF ONTARIO, INC.  
BOX 246, PORT CREDIT POSTAL STATION  
MISSISSAUGA, ONTARIO, L5G 4L8

1. REGISTRATION

	ADVANCED	AT DOOR	___ tickets @	\$ ___
R.S.O Members.	\$6.00	\$7.00	___ tickets @	\$ ___
Non - Members	\$7.00	\$8.00		

2. SOCIAL ACTIVITIES

Friday Night Eyeball—Part of Registration		N/C		
Saturday Night Banquet and Dance	___ tickets @ \$25.00 =			\$ ___

3. LADIES

Registration (Eligible for special ladies prize draw)	___ tickets @ \$2.00 =			\$ ___
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4. MEMBERSHIP APPLICATION

Full Member	\$15.00 per year	\$ ___
Senior Citizen	\$12.00 per year	\$ ___
Associate Member	\$15.00 per year	\$ ___

Total Tickets \_\_\_ Grand Total \$ \_\_\_

Cheque ( )                      Cash ( )                      Visa ( )

VISA No. \_\_\_\_\_

Expiry Date \_\_\_\_\_

Signature \_\_\_\_\_

(Required only for Visa)

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

City \_\_\_\_\_ Prov. \_\_\_\_\_ Postal Code \_\_\_\_\_

HOTEL ROOMS TO BE BOOKED DIRECT WITH THE INN ON THE PARK  
Specify RSO Convention  
Phone (416) 444-2561  
1-(800) 268-6282 (Canada Wide)

Office Use Only    Rec'd ( )    Checked ( )    Entered ( )

Rooms at Inn on the Park \$72.00/ night one or two people.

## Editor's Notes

With this special summer edition of Feedback my first issue since taking over from Andy, LCZ, I would like to echo Bill, NEG's sentiments about Andy and the fine job he did. I hope I can follow in his footsteps and keep the members happy!

I'd like to thank on behalf of the club, Walter, IYW, who again printed the Feedback covers and Don, LZK who reproduces each issue. Thanks, fellows, without your generosity, there would likely be no Feedback.

Thanks also to Jim, CRV, for a thoroughly enjoyable cruise in June (see story and pictures on pages 8 and 9). I enjoyed it so much, it gave me boat fever and I've been eyeing boats ever since and may be able to find room in the budget for a rowboat by next spring . . . certainly nothing like Jim's Britannia!

Congratulations are in order for Paul, KOI, who has been offered and has accepted a promotion with the MOT as a field construction technician in southern Ontario. While we're sorry to see you go, Paul, best wishes in the new challenge and we hope to see you back up here from time to time (don't forget ERX!).

With this issue you will notice some changes . . . let me know what you think, especially if you don't like them. Comments and/or suggestions are always welcome, as are submissions, of course.

We hope to run a feature each month if the material is available and Harvey, FOT sets the pace and kicks it off this month with a piece on pages 10, 11 and 12 on astronomy.

Because this is the club's 10th anniversary year, starting with the October issue we'll also be presenting a 'Looking Back 10 Years Ago' feature monthly to highlight club activities a decade ago.

I'll try to place Dave, DXO's periodic net control schedule on the inside of the back cover so those of you who desire can tear it off and post it without ruining the rest of the issue.

I'm afraid the club's old workhorse electric typewriter has developed a few more quirks even from when Andy had it . . . the trip from his QTH to mine probably wasn't too therapeutic either. It is probably overdue for an overhaul (Mr. Treasurer . . . ?). So, I've resorted to my old Underwood Five that stood me in good stead through years of newspapering until the advent of computerized text editing relegated it to the graveyard of old technology . . . my shack.

As usual, Feedback always needs contributions, ideas, suggestions and technical articles. Did you go to a flea market, a hamfest or a convention? Did you work a VK with two watts on 160? Do you have technical queries for some of the more experienced and knowledgeable club members? There's quite a rich pool of resources among our members. (See program director Don, JUO's theme this year on page 6 and Dick, BIS's offer in the Trading Post on page 7). Let's tap our resources and benefit from them by sharing them in Feedback.

Any editor is 'dead in the water' without reporters and contributions. If you give me the material to work with, I'll be happy to give you the best bulletin I can.

Thanks to all who contributed to this issue and I hope it will continue throughout the club year.

Just a reminder that submissions (including reports from officers) for the September Feedback should reach me by September 1.

## Future Meetings

Report of the GBARC Entertainment (Program) Committee

By Don Finlayson, VE3JUO

It has been my contention that our amateur radio club has many talented and knowledgeable members. With this thought in mind, I have taken the liberty of adopting the theme of "Know the Members of Your Own A.R.C." for the '83-'84 club year.

Harvey Smith, VE3FOT, has accepted the challenge of working with me as part of the committee.

The following is a tentative list of the entertainment and programs planned for the coming club year:

September: Dick Shave, VE3BIS, will give one of his discourses on antennae. Come prepared to have the answer given to all those problems you have encountered this summer.

October: Harvey Smith, VE3FOT, after considerable arm-twisting, has consented to enlighten us with more information on those "Heavenly Particles" in our Universe.

November: Fred Kuznicki, VE3KPK, who has already done so much for our club, will give us an insight into "Many Interesting Facts About RTTY" for the benefit of members like myself who still look on RTTY as a great mystery.

December: This will be a special evening when we can ragchew during a mini-swap shop so come prepared to exchange basements with your ham friends. Bernice (Mrs. VE3JUO) has promised to supply some Christmas goodies to sample as you have your coffee.

January: Paul Caccamo, VE3KOI, will give us a rundown on some of the trials, tribulations and benefits of 2-metre communication.

February: Here is your chance to provide a service to GBARC by taking the evening's topic or by supplying a speaker. Tnx.

March: Jack Avis, VE3DTS, has consented to give us dabblers an informative presentation on "Electrical Indicating Instruments."

April: Jim Harron, VE3BFV, will select a topic which I am sure will be of interest to all (to be announced later).

May: Show and Tell Night. This will be your time to proudly display the projects you completed during the winter.

June: Annual boat trip courtesy of Jim Vamplew, VE3CPV.

73, Don, VE3JUO

## Trading Post

### For Sale:

Power supply for bench and battery charging. 5v. to 15v. @ 1 amp. Has panel meter for V and I. \$18.00.

Tone Alerts (five-digit number) in black plastic cases. All have individual personal calling plus "one-digit" emergency calling feature. \$67.00.

All-band trap dipole for 10, 15, 20, 40 and 80. Only 80 feet long. May be used as a straight dipole or an inverted vee. \$45.00.

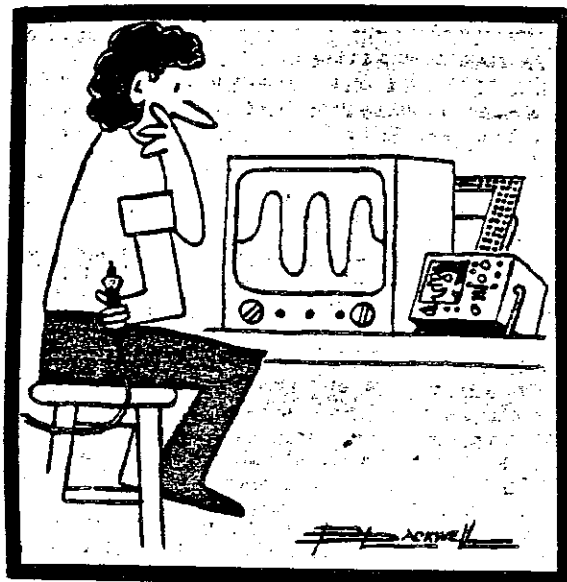
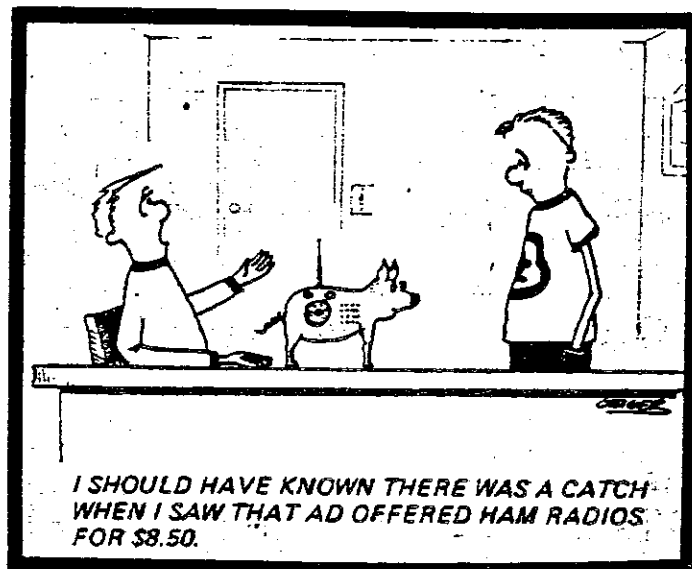
50-foot guyed tower. Five 10-foot sections. \$10.00 per section.

26-foot self-supporting tower. \$25.00.

Sundry transformers, relays, tubes, components. If you're looking for an item, let me know. I'm cutting down on my inventory. Hi.

Repairs to or building of any electronic equipment. If you're short of time, drop me a line. Use your parts or mine. No deal too small to discuss. Transceivers, power supplies, antennas, beams.

Dick, VE3BIS



## Outings

### Our Annual Boat Trip

By Verne Bohlender, VE3BSF

We met at the Owen Sound Yacht Club on Thursday night, June 16 and boarded Jim, VE3CRV's yacht. Seems someone had forgotten the liquid refreshments so Captain Jim took us deep into the heart of the Owen Sound harbor past several interesting ships.

He docked close by a floating restaurant and sent two of the crew ashore (see pictures next page. Ed.). They returned soon with some mysterious boxes which were carefully stowed in the galley.

Laverne, VE3LPD, as bartender and cook, very efficiently served all that was wanted to quench our thirsts from those same boxes as we moved leisurely up the bay towards Kemble.

The bay shimmered as the evening sun glistened across it in a lovely sunset. Everyone was either sitting inside or out having quiet chats.

Jim, VE3BFV and Ted, VE3AEO were talked to via 2-metre handhelds as we passed their places. Believe it or not, I think most of the conversations on board were about our hobby, past and present. I know I enjoyed the discussions I was involved in, plus the hot dog repast!

At one point in the trip, Cap'n Jim showed us a huge flat rock that he said Jim, VE3BFV had thrown into the bay to slow down speeding boats so he could see them better. It was so large that none of us could figure how he did it. Something new in engineering Jim?

Cap'n Jim also demonstrated how well his loud hailer worked. Hate to have him call me for breakfast with that thing!

The many gadgets in the forward cabin were good for a bit of conversation, especially the radar.

Terry, VE3NED from Kitchener was along, and enjoyed meeting a lot of us for the first time in person. Many of us have worked him often on the bands. While chatting with him were also filling up with hot dogs. One's appetite really improves while "at sea".

The trip ended for the 18 on board almost three hours later back at the Yacht Club, much too soon for most of us, and another year of club activity ended.

Thanks again, Jim, for a very wonderful time.

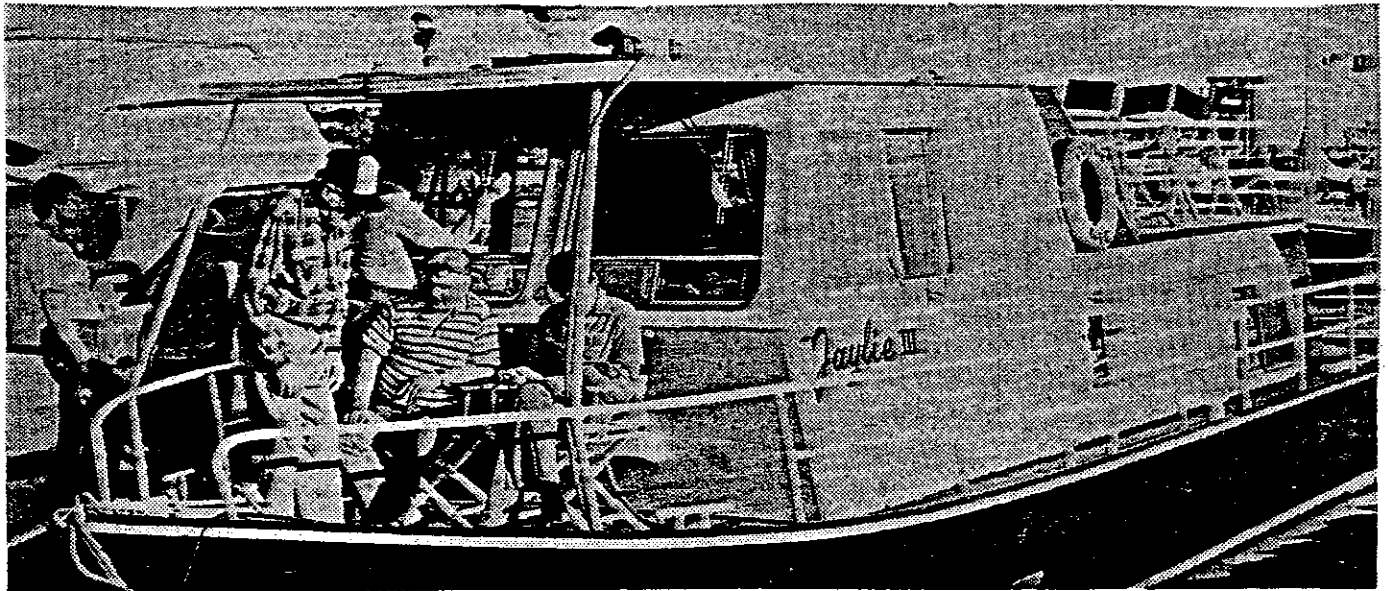
Verne, VE3BSF

(Speaking of seafood restaurants, I hope you'll forgive me Verne, it reminds me of the story of an unidentified GBARC member who rushed into that floating restaurant while LPD and NEM were at the In and Out and breathlessly asked the waitress: "Do you serve crabs here?" She replied: "Sit right down. We serve anyone.")

Ed.



Photos by Rob, VE3AQT



The group assembles as Jim, CRV checks wipers in case of heavy weather



Laverne, LPD and Tom, NEM take on vital supplies for the crew



Jack, AUB and Verne, BSF seem to be happy holding down the stern position



Cap'n Jim, CRV, steers the course as Iain, MAE and Ian, HXX look on

## Feature

### How To Find the North Celestial Pole (True North)

By Harvey Smith, VE3FOT

Problem #1: You have just acquired a new satellite hookup for television and you have but to orient the 10-foot dish for geo-stationary satellite signals. Since such satellites are located in the same plane as the earth's axis, the antenna will have to be located, in declination, on the Celestial North Pole.

If you don't know why, rather than go into an extended explanation, believe me for now and I will go into chapter and verse when we have an 'eyeball'.

Problem #2: You have lost your way in dense wilderness. You can't tell north from south or east, or even west. But, if you can see the stars, you have a line to follow instead of going around in circles (don't be like BIS trying to find the London Flea Market).

Problem #3: You are lying on the beach with your favorite companion, wife, girlfriend, boss's wife or even the boss (I don't know why you would be doing the latter, but you know your boss better than I) and want to impress said companion.

It's a dark night with bright stars and the light of your life turns to you and says: "Where is the North Star?" and with great aplomb and savoir faire you say, pointing masterly, "C'est la." (I have found that to reply at this point in French, or German or Italian gives the person the feeling that you are a man of the world as well as the heavens.)

Here is how you do it: Refer to Diagram "A". This is a map of the heavens in midsummer showing the stars we will be referring to with labels. You will note that N. is at the top with E. to the left and W. to the right. At this point, think before you remind me that E. is always to the right of N. etc. This, too, I will explain when we meet.

Between E. and N. you will see a constellation labelled "Cassiopeia". It is usually very clear (unless it is cloudy, of course) and takes the form of a "W" or an "M", either one upright or lying on its side (depending on the time of year).

Spotting this constellation will tell you that you are looking north in this latitude (in the event that there were other things in your mind than stars and you may have been disoriented).

Looking across the opposite horizon, at approximately 180 degrees, you will see a constellation, if you look carefully, in the form of a dipper, which, coincidentally, is called the Big Dipper. (I mention this method of finding the Dipper, since many people have difficulty seeing it at first and the outline of Cassiopeia usually stands out clearly).

Now, having come with me this far, find the lip of the Dipper, follow the side from the bottom, through the "lip star" in a straight line to the first bright star (when I say "bright", I don't mean the brightest star in the sky, for it certainly is not, but it is the brightest one in that area) and you come to the star Polaris, which is the proper name for the Pole Star, or the closest star to the North Pole. The North Pole, being the northerly end of the axis on which the earth revolves, any object directly above it never moves with respect to the earth or the stars (well, hardly ever, but that's another story).

Now, since the star Polaris is almost on the geographic pole, about 50 minutes of arc, it is close enough for all practical purposes.

To continue, having found the pole, sight your antenna, if that's what you are after, along the element, or parallel to it and you are on a "polar axis".

If, on the other hand, you are lost, let us hope you know, at least, which way your position lies from where you want to end up. Knowing the location of North, we will leave it up to you to find the other directions. You see how it is done?

If you are trying to impress your date, if you are sure she knows less about it than you do, it matters not how accurate you are in your star-finding. But if she has been the innocent, ethereal type and has Science 238 on her credit list, exit front left.

One more thing: If you are not certain you have the right star picked out, check by looking for the Little Dipper. Polaris forms the star at the handle of it (see Diagram B). You will also note that the position of the stars changes with the months.

The celestial vault appears to move counterclockwise, the whole of the heavens moving in a mass, as seen from earth.

When you look at the stars, pick a clear night, away from light pollution, and let your eyes get used to the darkness slowly.

Incidentally, Polaris is good for finding the latitude co-ordinate, but not worth a hoot for celestial navigation otherwise, for obvious reasons.

A Few Facts About Polaris: It is a group of three stars, 100 times greater in diameter than our sun and 500 times greater in luminosity. It is 650 light years distant from us. Its position does change with respect to the background stars (that is the other story mentioned in the paragraph at the top of this page).

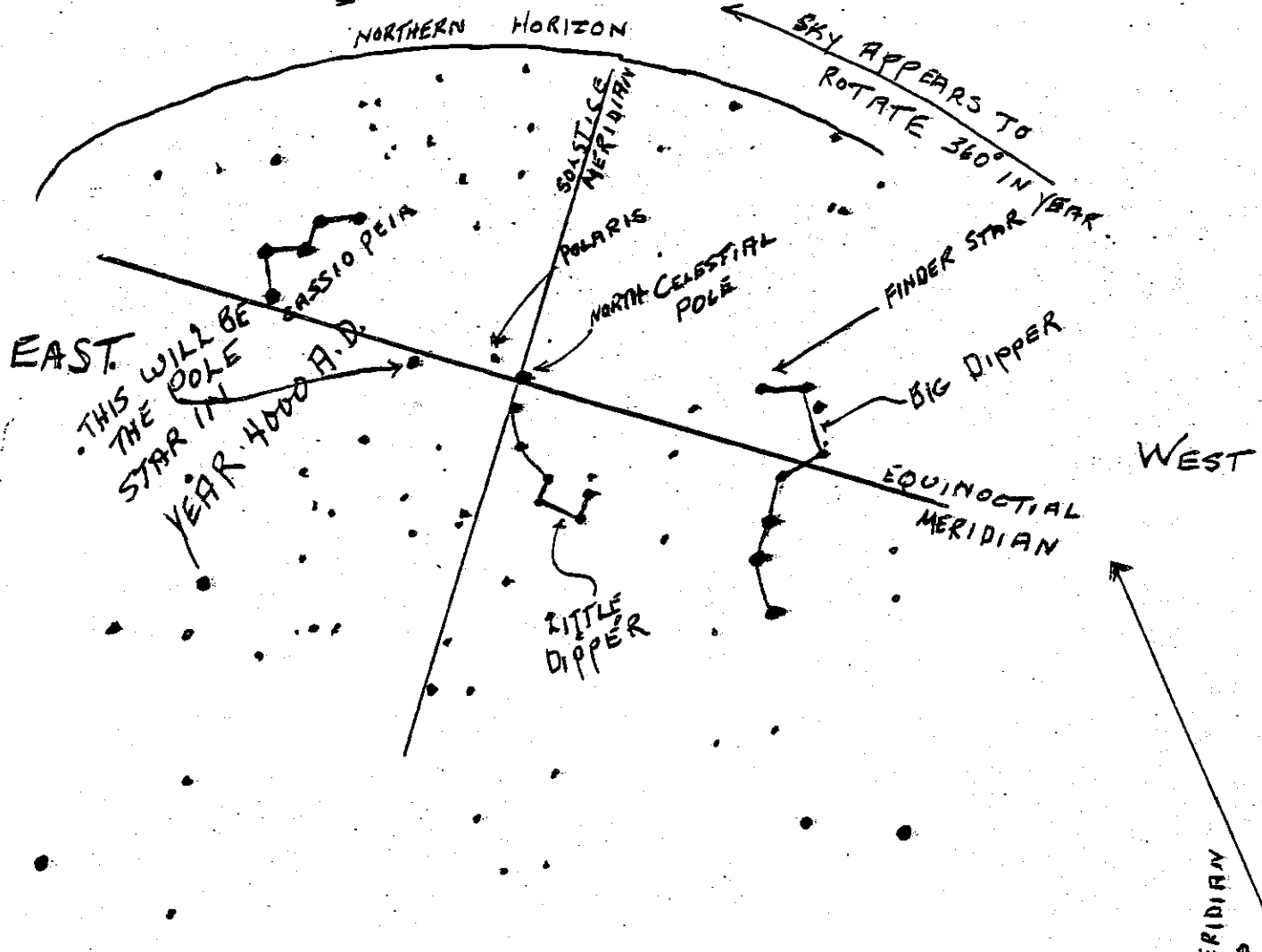
This is not due to any motion of the star, but to the earth's wobble on its axis. The pole star will be called Gamma Cepheus and its location in the year 4,000 A.D. is marked on Diagram A.

See you then.

Harvey, VE3FOT

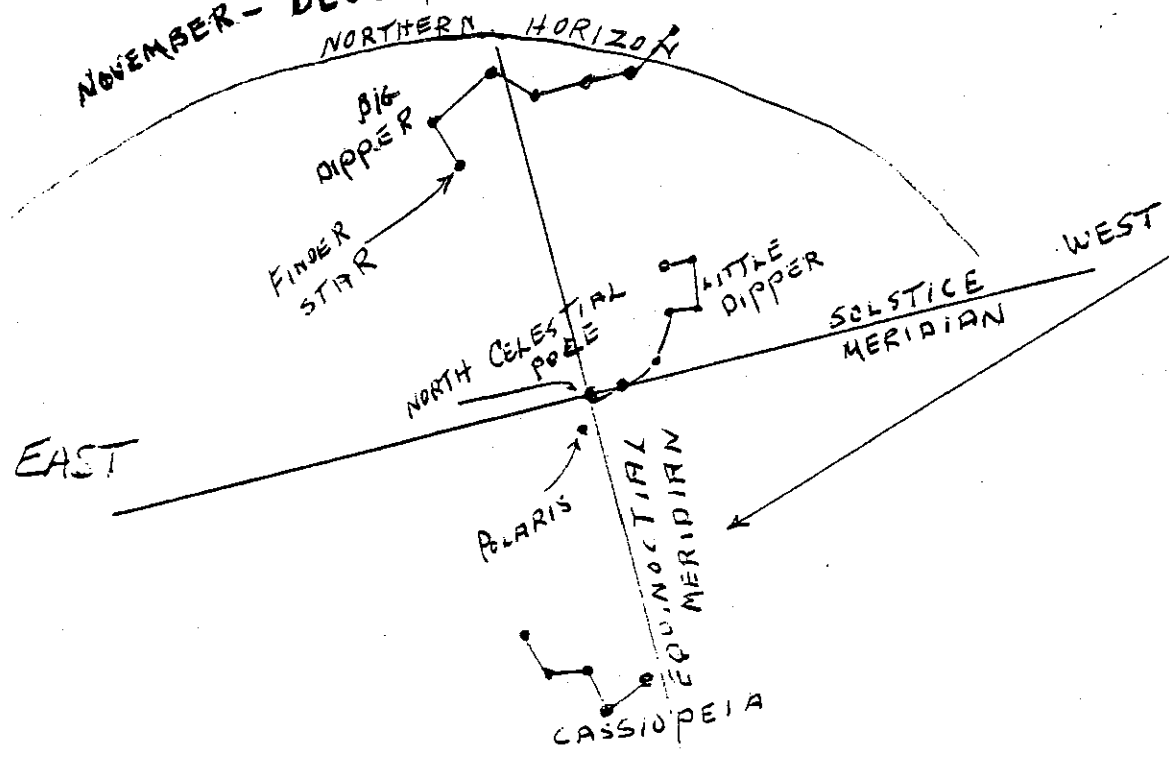
# JUNE-JULY SKY

# DIAGRAM "A"



# NOVEMBER - DECEMBER SKY

# DIAGRAM "B"



NOTE: THIS MERIDIAN HAS MOVED CCXX, ABOUT 1° IN ABOUT 6 MOS.

## Net Control Schedule

The last roster of net control operators for the Georgian Bay Amateur Radio Club net expired on July 31 when Don, VE3JUO was on duty.

Following is the new list effective for the four months from Aug. 7 to Dec. 4. Please let me know if you are unable to participate. Also advise me if you are aware of others who are not listed but should be.

Thank you.

Aug. 7	FFN Walter
14	LCZ Andy
21	DTS Jack
28	FOT Harvey
Sept. 4	CRV Jim
11	BSF Verne
18	AQT Rob
25	LPD Laverne
Oct. 2	DXO Dave
9	BIS Dick
16	LPT Moe
23	BFV Jim
30	AEO Ted
Nov. 6	IDS Don
13	HXX Ian
20	LPG Mal
27	AUB Jack
Dec. 4	JUO Don

'Happy check-ins'  
Dave, VE3NXO