

# HI-Q

## The LARC Journal

Volume 61

March 1995

Issue 603



### CLUB REPEATERS

#### VE3TBR

Phone: 767-7661  
Listen: 146.82 MHz  
Txmit: 146.22 MHz

#### VE3YQT

Phone: 767-5492  
Listen: 147.06 MHz  
Txmit: 146.46 MHz

### NEXT MEETING



7:00 p.m. Room 237  
McIntyre Building  
Confederation College

## Shortwaves

The LARC held its annual dinner on February 9, 1995. This was my first dinner and I hope, not my last for a long, long time. I thoroughly enjoyed the fine meal and the excellent company. The fact that our table won nearly every door prize just added to the evening. It was also a pleasure to meet the OGs of the OMs (OG is the maritime CW term for "Old Girl."

I'm glad that we had no speaker that night. The round-table talk gave everyone a couple of minutes to introduce themselves and offer some words of wisdom or wit. Bob, VE3JAB was certainly the most witty.

Now, to change channels and moods. As a new ham, I'm still in the learning stages. Of course, I have neighbours who hear me on their clock radios and telephones. They are getting very annoying and their eyes glaze over when I attempt to explain RFI, BCI and TVI cause and effect and how to prevent or minimize it. Industry Canada is basically "throwing us to the wolves." We are forced to deal, amicably of course, with the

complainants. But, I shouldn't have to do this.

If a ham is operating within the constraints of their license and their transmitter, feed-line and antenna are operating within the proper parameters, why are we held at fault? A neighbour's phone line may not be grounded, they may insist on using a cheap phone or clock radio or ghetto blaster which lacks any RFI rejection capability and barely serves its intended function.

In other words, Industry Canada is forcing us to compare the ...2

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## 1994/95 LARC

**Founding President**  
P.J. (Pat) O'Shea, VE3FW  
1881-1972

**Senate**  
Bill Roberts, VE3ARN  
Keith Fiske, VE3JQ  
Bert Lambert, VE3BKY  
Ray Greer, VE3CH  
Hugh Elliott, VE3EDW  
Bill Klemacki, VE3AJ

**Executive Board**  
President: Terry Stewardson, VE3TKA 577-9439  
Vice-Pres: Ed Bauman, VE3SNW 622-1216  
Secretary: Norm Bell, VE3XRC 577-9316  
Treasurer: Skip Wright, VE3BBS 767-2307  
Directors: Garry Michalak, VE3GWT 475-7101  
Glen Wallace, VE3ICY 623-0135  
Len Catillo, VE3KV 473-9430  
John Watson, VE3GTX 683-3199

Membership Secretary: John Watson, VE3GTX 683-3199

Past President: Mark Vukovich, VE3VUK 345-5856

HI-Q Editor: Robert Mazur, VA3ROM 344-7731

## Voyageur Award

The Lakehead Amateur Radio Club, in co-operation with the City of Thunder Bay, is offering the Thunder Bay Voyageur Award to any station working at least 5 Thunder Bay amateurs. The award is an attractive 8.5"x11" parchment scroll, truly a complement to any radio shack.

Please send your log of Thunder Bay amateurs with dates, times and frequencies and \$2.00 to the Awards Manager at the club address below.

## Club and Newsletter Information

HI-Q is published September through June by the Lakehead Amateur Radio Club Inc. (LARC), an Ontario registered, non-profit corporation. The opinions or viewpoints expressed or implied in HI-Q are those of the contributing authors. The LARC, HI-Q or its editor assume no responsibility for the accuracy of the information submitted. Material in HI-Q may be copied for non-profit use by the amateur radio community, provided that credit is given to the author(s) and source(s).

Contributions related to amateur radio, in particular those articles of interest to Northwestern Ontario amateurs, are encouraged. Material may either be submitted in the form of manuscripts with drawings or photographs or on disk in either WordPerfect® 5.1/6.0 or ASCII text file format. Please use GIF, PCX or TIFF formats for graphic images (black and white preferred).

Mail your articles to: The HI-Q Editor • 82 Lawrence Avenue • Thunder Bay ON • P7A 6X6 • Canada or fax 807-345-2688. Files may be submitted via packet to: VA3ROM @ VE3TKA.#NON.ON.CAN.NA.

Send your dated announcements no later than 10 days prior to the first day of the month in which the notice is to appear.

To reduce production and distribution costs, HI-Q accepts advertising at the following per issue rates: full page—\$60.00, 1/2 page—\$40.00, 1/4 page—\$20.00 and 1/8 page—\$15.00. Reduced rates (1/3 off) available upon receipt of advance payment for 10 issues (one full year). Send your "camera-ready" copy and cheque (payable to LARC) to the club address below.

Advertising material that appears in HI-Q does not imply either an endorsement nor a recommendation of the product or service by the LARC, HI-Q or its editor.

LARC membership fees, determined annually, are set for 1994-1995 as follows: Regular—\$30.00, Associate—\$20.00, Associate (attending ham classes)—\$80.00, Student (attending school full-time)—\$15.00 and Family—\$30.00 plus \$10.00 for each additional family member at the same address.

HI-Q is distributed to all LARC members, except that only 1 copy is sent to each address.

In honour of the memory of our founding President, Mr. P.J. (Pat) O'Shea, the club call sign is VE3FW.

The LARC owns and operates 2 VHF repeaters, VE3TBR 146.82(-) located atop St. Joseph's Heritage and VE3YQT 147.06(-) on Mount Baldy.

The club mailing address is: The Lakehead Amateur Radio Club Inc. • PO Box 2571 • Thunder Bay ON • P7B 5G1 • Canada.

## Shortwaves, continued from page 1...

public's cheap electronic devices to our multi-thousand dollars worth of equipment and antennas.

Our transceivers have to meet rigid standards, yet no such standards exist in this country for passive or receiving consumer devices. Isn't that the reason we elect politicians?

Why do we have to become electrical engineers and solve the problems associated with poor quality and design? If your neighbour's phone picks you up and they refuse to amicably solve the problem with you, Industry Canada steps in and forces you to reduce power (EMCAB-2) or get your transmitter, feed line or antenna problem fixed. But, they don't force the neighbours to put in the proper filters or buy a better passive or receiving device. They are referred to the manufacturer, instead! Who denies responsibility because there are no government regulations that they have to follow regarding built-in RFI immunity!

A new ham friend is faced with this situation. He has operated for years with a linear and never had any problems. Now, the neighbour buys a cheap excuse for a phone, calls Industry Canada and raises the roof. The Radio Inspector calls the ham and tells him to settle the problem. He now runs 50 to 75 watts, with the permission of the neighbour. What happens when more and more neighbours get cheaper and cheaper phones?

The Minister sent me ..3

## A NEW BASIC + 12!

*Congratulations, once again, go to Wayne, VA3WRL. He recently passed his 12 wpm Morse code test and now has full HF radio privileges. Now let's put that code to good use, Wayne. At least 1 CW contact a day!*

## 2 METRE CHAMPION!

*Congratulations to Bob, VE3RVA, who won both the FM and SSB/CW contests. Bob was a friend of Barry, VE3BGA. Winning the contest was a very personal thing for Bob, judging from the emotion in his voice when he accepted both plaques.*

## WANTED! DEAD OR ALIVE!

*Bill, VE3AJ is still looking for his B & K tube tester in a black carrying case. Does anyone remember borrowing it from Bill and forgetting to return it?*

## HI-Q SUBMISSIONS

*HI-Q is looking for pictures, anecdotes and other personal notes about your experiences and/or adventures. Tell us about yourself. Isn't that why you got into ham radio—to communicate with others?*

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*Shortwaves,  
continued from page 2...*

# Meeting Minutes

a letter explaining the policy and EMCAB-2. Basically, the government doesn't recognize nor appreciate the public service work that hams provide and our right to use the already heavily regulated and legislated airwaves.

Ask any resident of Kobe, Japan, what they would say to someone complaining about RFI in their phone or radio cause by a ham. How many local or special events could not be held or would impose a high cost for private radio services for that event? How many school children are being helped by amateur radio who previously had no other way to express themselves? There is 'magic' in our radios.

Amateur radio's history has been one of continual conflict with the "powers to be." Hams were forced on the "useless" frequencies above 200 metres. It was the hams who discovered "shortwaves" and global communications followed. The pioneers in amateur radio developed or enhanced CW, AM, SSB, FM, EME, AMTOR, RTTY, SSTV, ATV and PACKET and on and on and on and on.

"Ham" was a derogatory term used by government and others. The early amateurs adopted the term with pride and have worn it well through peace and war time and through natural disasters around the world.

Marconi always referred to himself as an amateur radio operator, a ham.-Ed.

**BY NORM, VE3XRC**

*Minutes of the Annual Dinner Meeting of the Lakehead Amateur Radio Club at the Pagoda Restaurant Dawson Road, Thunder Bay, Ontario on February 9, 1995.*

The meeting was called to order by the President, VE3TKA, Terry Stewardson at 7:00 p.m. Grace was said by VE3JAB, Bob Bishop.

Following a delicious Chinese buffet enjoyed by 43 members and guests, a short business meeting was held.

**Auditor's Report:** The President, VE3TKA, Terry Stewardson read the auditor's report prepared by VE3KRH, Steve Robb and VE3NPS, Nestor Procup. This audit of the Club's financial records is required as specified in the Lakehead Amateur Radio Club's constitution.

**Silent Key:** VE3JAB, Bob Bishop read a note from the sister of the late VE3XT, Leo Immonen who recently became a silent key. The Immonen family expressed their appreciation in assistance with the funeral arrangements and the floral tribute.

**Awards:** The VE3BGA, Barry Hunter Memorial 2 Metre Plaques. In December of each year, a 2 metre contest, both SSB and FM is held in memory of VE3BGA,

Barry Hunter. This is the second year for the contest and the winner this year for both the 2m SSB and FM contest was VE3RVA, Bob Hansen.

The plaques were presented to Bob by VE3BBS, Skip Wright.

**Voyageur Award:** The Club Awards Manager, VE3XRC, Norm Bell had the privilege of presenting a Voyageur Award to VE3NCN, Joan Klemacki. Now Joan has something Bill doesn't have.

**50/50 Draw:** Winner of the 50/50 draw was VE3RVA, Bob Hansen.

**Next Meeting:** It was announced that VE3ICY, Glen Wallace will give a slide presentation on a remote hydro project at the March meeting.

This concluded the business portion of the annual meeting. As the planned speaker was unable to attend, a very enjoyable round-table was held which included not only the club members but also their guests.

We found out from the better halves why some club members and their gear have been banished to the basement.

Prior to the adjournment of the evenings activities, several door prizes were drawn for.

*The LARC is a member of the Radio Amateurs of Canada  
Support and protect your hobby-join today.*

**HAM STATS***by Steve, VE3KRH*

During 1994, the VE3YQT repeater had 1027 hours of activity and 1240 auto patches were made. YQT was also keyed up 61588 times during the year.

**HAM STATS***by Steve, VE3KRH*

During the month of January 1995, the VE3YQT repeater had 63 hours of activity and 76 auto patches were made. YQT was also keyed up 3808 times during the month.

**NW ONT ARES NET**

The northwestern Ontario ARES HF Net on 3750 kHz at 2015 local time (8:15 p.m.) is simultaneously rebroadcast daily on 2 metres frequency 147.500 MHz by Tim, VE3WCT.

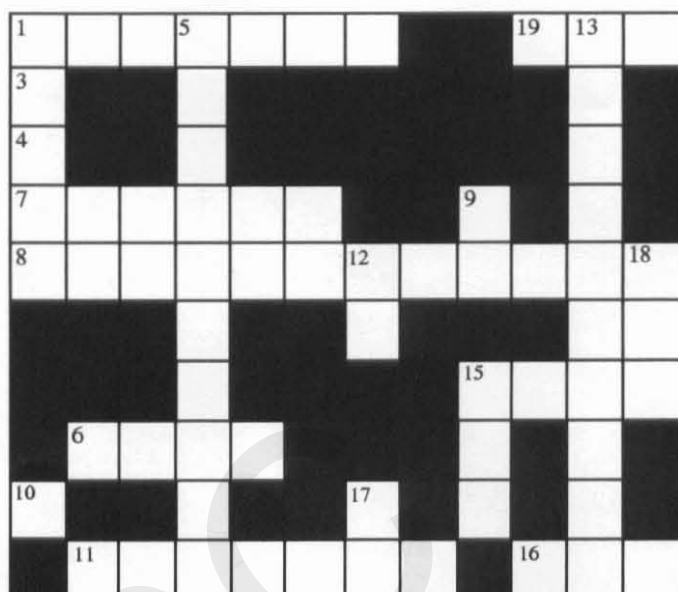
**CLUB HELPS**

The LARC has available, for club members, several video tapes on satellite receiving, packet radio and DXing.

Contact Terry, VE3TKA  
807-577-9439

# Ham X-Word

BY WAYNE, VA3LOG

**ACROSS**

1. Surrounding i.e. temperature.
3. Symbol for inductance or a coil.
4. Symbol for current (Ohm's Law).
6. Bluish-white metal used in batteries in its pure form.
7. Metallic connection with the earth.
8. An insulating material in which no current can flow.
11. A computer word on which an operation is to be done.
15. Two-lead A.C. current switch semiconductor.
16. Hollow D-shaped accelerating electrode in a cyclotron.
19. \_\_\_ of Spades.

**DOWN**

1. To adjust the tuned circuit of a receiver or transmitter for maximum signal response.
5. In a circuit, the proper which opposes any change in the existing current flow.
9. Abbreviation for alternating current.
10. Symbol for reactance.
12. Abbreviation for direction finder or dissipation factor.
13. Electrical or acoustical resonance between bodies or circuits not directly connected together.
14. Morse code sound for 'E'.
17. Junction in an N-type semiconducting material.
18. Abbreviation for Radio Amateurs of Canada.

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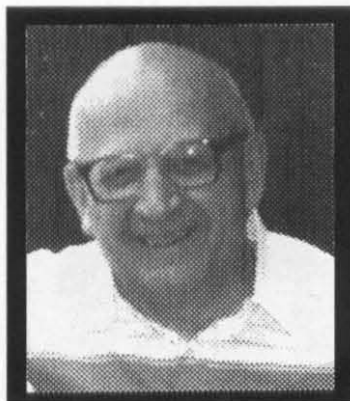
# Personality Of The Month BY IAN, VA3RIM

## Ray Greer, VE3CH

*On August 24, 1994, Ray Greer at the age of seventy - eight years, was made a Life Member of the Lakehead Amateur Radio Club.*

Ray was born in Sudbury, Ontario came to Fort William [Thunder Bay], Ontario when he was six years old. In the early 1930's, Ray, better known as "Tommy," was entering his teenage years and a neighbour, Mr. Barrett, wanted to keep the neighbourhood kids occupied so he showed Ray and his friends a crystal radio set. As Ray says this was far more interesting than girls! Of course, the boys wanted their own radio sets so Mr. Barrett told them that they had to build their own. Because money was scarce, they had to scrounge everything. The boys wound some copper wire around a toilet-paper centre tube and then they had to go out to the Mount McKay Rifle Range to pick through the rocks until they found some galena. In this way, they eventually built their own crystal radio sets.

One day, Charlotte, Ray's sister, saw an advertisement in the Daily Times Journal newspaper that Pat O'Shea wanted people to enrol in his amateur radio course. As Ray says, he was a bit of a pain-in-the-rear-end at that time and Charlotte was trying to find a way to keep him busy so she suggested that he enrol. Ray talked to Pat and joined the course and it turned out that he



was the only one to apply. Seven more boys were encouraged to enrol and they learned a bit about radio and Morse code.

It was during his teenage years that Ray's radio expertise grew tremendously. While attending St. Patrick High School, his physics course had a radio communications unit but since the teacher did not know anything about it, Ray and Jack Struthers had to teach it.

Ray spent much of his time working with electricity. He and Pat O'Shea built a radio. Ray's father, who was in charge of Abitibi's power plant [even though as Ray says he did not know anything about electricity] told Ray to get some electricity lessons before he burned the house! So Ray went to the Kam Power Company building [the recently burned Dresswell Cleaners building] to take lessons about electricity after school.

One of his first electrical projects was to build a transformer. He got a core from a burned out transformer and then cut it to size with tin snips. These pieces, with paper spacers, were laminated together and wrapped with the proper number of turns of copper wire. Later Ray and Charlie McDonald built RF chokes.

Ray's teen-age years were full of radio activity. He spent time at CKPR radio working with Ralph Parker on the technical team. In those same years, Ray, Bert Tamblyn, and Lloyd Collins were playing on the 5 and 40 metre radio bands. This was because the older fellows were working the 75 metre band on phone and did not appreciate the "youngsters" on that band. One day, Brien O'Brien bought a new RCA transmitter to work 5 metres so Ray and his buddies with their home-made 5 metre transmitter and Brien O'Brien with his new store-bought 5 metre transmitter went out to a Mount McKay ski race to provide communications for skiers. A mischievous grin comes to Ray's face when he says that Brien O'Brien's new RCA store-bought radio broke-down and their home-made rig survived!

Eventually, Ray obtained a job with the Department of Lands and Forests as a radio operator and he was stationed in such places as Fort Frances and Whitefish Bay near Kenora but in 1939, ...6

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Support and protect your hobby-join today.***

**Personality Of The Month**  
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he was laid-off from this job because he was not married and would be needed for the War effort. He tried to enlist in the Canadian Air Force but he was turned down because of his sinus problems.

About this time, Ray says that he and Lloyd Collins were visiting Bert Tamblyn VE3ANP in his photograph developing shop. Rolls of film were developed for twenty-five cents. Money often landed on the floor and because Bert was in a wheel-chair it would have to be swept-up later by someone. One day while Ray was sweeping the floor, a faint CQ call was heard over Bert's radio. Bert answered. It was from a man on Baffin Island who said that the commercial radio links were down due to a storm and he had to use amateur radio. He went on to say that his wife was going to give birth and that she had to be flown out to a hospital. It was an emergency! Ray called Winnipeg. They sent a plane to get the woman and flew her back to Winnipeg. The baby was delivered safely in a Winnipeg hospital. The man later sent a letter to Ray and Bert to thank them for their help.

Ray began working for his father who owned timber rights and a sawmill which produced lumber, railroad ties and pilings. He worked as the camp clerk and learned how to do scaling. Around 1942, Ray was encouraged by Florence, his high school

sweetheart to enrol in a Selkirk High School night school course in book-keeping. In 1942, Ray married Florence and together they eventually had eight children.

About 1945, with his new learning, Ray took a job with the Great Lakes Paper Company doing warehouse accounting. For two years, Ray asked for monetary raises but each time he was given only a newer and more impressive title. He even was asked to maintain the radios on company tugboats. Eventually, Ray was transferred to the Purchasing Department with a raise in pay but due to internal politics, he was laid-off.

A growing family had to be fed and Ray took a job with the Government of Canada's National Revenue Department in the Income Tax Division and was stationed in Fort William, Ontario. He eventually became Supervisor of Tax Deductions and Non-Resident Tax. Ray had the opportunity to apply for a transfer to Ottawa, Ontario but he decided to follow Florence's advice and stay in Fort William.

**2 METRE MINI-NET**

*The Lakehead Amateur Radio Club's 2 metre mini-net and Swap 'n Shop meets every Monday evening at 1900 hours local time (7:00 p.m.), on the VE3YQT repeater 147.06 MHz (-). Do join us!*

The demands of the Federal Government job forced Ray to change jobs and to begin working for the Government of Ontario where at first his job was to educate people about the new Ontario Sales Tax and then it became his job to collect it. Eventually, he became an auditor with the task of checking business records to determine if the correct amount of money was being remitted to the Government. Ray retired in 1981.

Over the years, Ray has had many interests. He has been involved with the Lakehead Amateur Radio Club and held the position of secretary when Pat O'Shea was the president. He thinks he might have been a treasurer at some point because of his interest in accounts.

Ray has volunteered a great deal of his time to this community. With Scouts Canada, he was a Scout Master at St. Agnes Church for over ten years and later he was the Assistant Commissioner in the Fort William District. Ray started the Lakehead Search and Rescue Unit. He searched the world for course material and found the best to be from Wales. It was Ray's idea to name the Senior Citizens Complex, the Fifty-Five Plus Centre. He still helps there by preparing Income Tax returns for senior citizens. Ray was Secretary of the Lakehead Fish and Game Club for ten years.

Ray sets a standard as a Senator of the Lakehead Amateur Radio Club that will be hard to follow. All we can do is try.

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# Radio Log

BY SKIP, VE3BBS

Please note the next meeting date is April 13th. The opening day ceremonies for the Nordic World Ski Championships are being held on the normal meeting night of March 9th. Most of the executive will be at the Big Thunder site. Also note that we no longer will be meeting in room 245. We have been assigned room 237 for the remainder of this year's meetings.

The net control trailer will be delivered this week and hopefully we can have it up and running by the first week of March.

All Nordics volunteers are reminded that they must have and wear their security pass and uniform(s) on site. Also, please bring your 2m handi-talkies to the Nordics site, just in case we have a communications failure. We also may have a few people with outdoor uniforms stationed at several venues to relay information back to net control if we do not have any T.V. monitors installed in the trailer.

We have been supplied with meal vouchers for the duration of the Nordics. These will be distributed on a daily basis. I am also working on the volunteer shift schedule.

The VE3YQT repeater will be used for "talk-in" and net control purposes (if required) during the Nordics. We would like the club members to try to use VE3TBR or simplex for long QSOs to keep VE3YQT as clear as possible during the Nordics.

# Auditor's Report

## CATEGORY DESCRIPTION

1994

### INCOME

1993-1994 Membership Dues	2,850.00
Ads for northern Ontario call book	410.00
Advertising HI-Q	120.00
Bank credit to account	1.66
BGA equipment sale	200.00
Donations from members	817.78
Interest on accounts	4.25
Proceeds from club project	800.00
Proceeds from annual dinner	1,062.00
Proceeds from 50/50 draws	82.50
Proceeds from club equipment	200.00
Proceeds from Hamfest	1,837.00
Proceeds from Voyageur Award	5.00
Sale of publications	465.00
Sales from northern Ontario call book	1,503.51
Student course fees	1,125.00

### TOTAL INCOME

11,483.70

### EXPENSES

Administration, general	145.02
Club projects and meetings	832.19
Contingency funds	0.00
Expenses related to Hamfest	1,625.10
Expenses related to annual dinner	1,096.20
Expenses related to code classes	18.38
Expenses related to ham course	83.12
Expenses related to Grand Marais link	783.16
Expenses related to northern Ontario call book	1,867.67
Expenses related to HI-Q	150.00
Expenses related to UHF repeater	87.00
Field day expenses	377.78
HI-Q photo copy expenses	1,070.16
L.A.R.C. awards and trophies	66.58
Maintenance fees (bank)	18.00
Outflow from Irkutsk fund	394.50
Phone VE3YQT and VE3TBR	847.33
Postage HI-Q	811.57
Publication purchases	1,230.16
Reimburse petty-cash float	200.00
VE3FW station equipment	522.66

### TOTAL EXPENSES

12,226.58

...8

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Support and protect your hobby-join today.*

# Auditor's Statement

*Auditor's statement as presented at the February 3rd, 1994 monthly meeting.*

To the members of the Lakehead Amateur Radio Club Incorporated.

We, the undersigned, have audited the balance sheets of the

Lakehead Amateur Radio Club Incorporated covering the period from 01 January 1994 to 31 December 1994.

These financial statements are the responsibility of the Treasurer of the Lakehead Amateur Radio Club Incorporated. Our responsibility is to express an opinion on this financial statement based on our audit.

We conducted an audit in accordance with generally accepted auditing standards. Those standards involved auditing all bank statements, receipts and invoices of the Lakehead Amateur Radio Club Incorporated for the period defined above.

In our opinion, this financial statement presented here (tonight) presents fairly and accurately, in all material respects the financial position of the Lakehead Amateur Radio Club Incorporated as of 31 December 1994.

(Signed) Steve Robb, VE3KRH  
and Nestor Procup, VE3NPS

## LAKEHEAD AMATEUR RADIO CLUB

### FINANCIAL REPORT 01/01/94-12/31/94

#### Opening balance as of:

01 January 1994 2,822.18

#### Income:

01/01/94-12/31/94 11,483.70

#### Expenses:

01/01/94-12/31/94 12,226.58

#### Closing balance as of:

31 December 1994 2,079.30

The Lakehead Amateur Radio Club  
PO Box 2571  
Thunder Bay, ON P7B 5G1  
Canada

