

March 2002

# FEEDBACK



The OFFICIAL Newsletter

of the

# Georgian Bay Amateur Radio Club Inc.

P.O. Box 113, Owen Sound, Ontario N4K 5P1

### GBARC Meetings

are held on the 4th Tuesday of every month except July and August in our CLUBHOUSE, Unit 6 Rockford Plaza, Rockford On. 5km S of Owen Sound. 7:30 p.m.

### Breakfast Anyone?

Any Saturday 9:00 a.m., a mile south of rockford at the 6 & 10..west side of road...

### Nets

80 metre net on Sunday at 9:30 a.m. on 3.783 Mhz. Two metre net on Thursday at 9 p.m. on VE3OSR 146.94-Mhz.

### Submissions

are always welcome. Send them to Tom ve3tsa@rac.ca

## This Month

GBARC Radio Course 2002

Minutes of the last meeting

Heinrich Rudolf Hertz

Billy Bishop Heritage Day

GBARC Elections

GBARC Mail Box

**President**  
Bernie VE3BQM



**Vice-President**  
Bob VE3XOX



**Secretary**  
Susan VE3TLK



**Treasurer**  
Bob VE3LKD



**Newsletter Team Editor**  
Tom VE3TSA



**Newsletter Team Mailing**  
Tom VE3CVL





# GBARC Radio Course 2002

Hello all, here are a few pictures from our current radio course. As you can see we have 5 students and as is usually the case, they are from a broad spectrum of age groups and backgrounds. This illustrates the fact that amateur radio can, and will continue to appeal to many in our community. Our task is to continue to hold radio courses to assist those with an interest in radio to learn more about and gain access to the hobby. These shots are from the last evening of lessons, this one instructed by Bernie VE3BQM. We were talking about phone operation and later on we had the students get on the air for a mock qso. This is always a lot of fun, this time being no exception.



Bernie VE3BQM



Tina Owen Sound



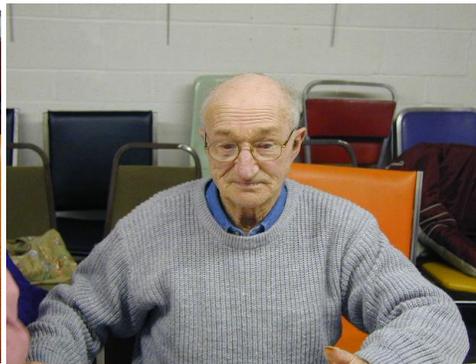
Bob Wiarton



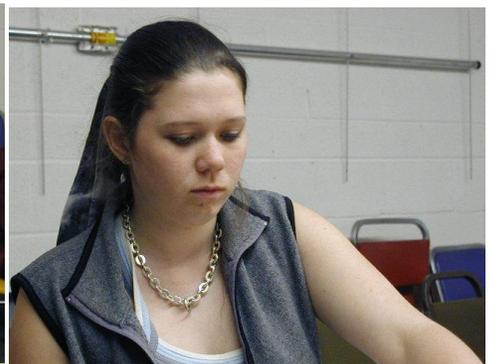
Krystal Shallow Lake



Jessie Meaford



Bennie Meaford



I think I like the smaller classes more than a larger class. Mostly because I get to know each of them a little

better. Tina and Krystal both have parents who are hams so they have a big head start already (that's probably why Krystal is doing so well with the CW). Jessie and her husband Bennie have been around 11 metres for many years and recently decided to study for the basic. Bob, an engine mechanic, with a long term interest in radio has taken the plunge. I think Bob wins the prize as being the most determined. So in closing a big thank you to the instructors that helped out.

73 Tom



# Georgian Bay Amateur Radio Club

## Minutes of Meeting

### Minutes of February 26, 2002 Meeting

The Meeting was called to order by President Bernie VE3BQM at 7:30 p.m.

The Treasurer's Report was given by Bob VE3LKD.

#### Old Business

The G.O.T.A. session was held on February 16, 2002 and was well attended. Thanks to Arlene VA3ATK who did all the crafts for the Guides and other members who participated in this event.

A cheque for \$50 was presented to the Club by Michelle from G.O.T.A. in appreciation of their visit.

A motion was made to make the 5th Owen Sound Girl Guides Honorary Members of GBARC. The motion was made by Bob VE3XOX and seconded by Stan VA3ZON. Motion carried.

A short video was shown on the GBARC visit to Flower Pot Island over the August long weekend in 2001.

People wishing to attend the 2002 Flower Pot Island Expedition which will be held on the August long weekend should contact a member of the committee.

#### New Business

The Club was approached by the Billy Bishop Heritage Committee to provide communication at the Billy Bishop Airport on Sunday June 2, 2002. More details will follow at the next meeting.

Field Day will be discussed at the next meeting.

There is also a proposal to purchase a new Radio for the Clubhouse. The purchase of the radio will be offset by fundraising events (i.e. Club breakfasts etc.) Any fund raising ideas are welcomed. More details to follow at the next meeting.

The next Club breakfast will be held on Saturday March 2, 2002 and followed by another breakfast on Saturday March 16 at the Clubhouse.

Moved by Bob VE3XOX and seconded by Dave VE3DXO that the meeting be adjourned at 9:00 p.m.

---

**Dr. Heinrich Rudolph (alt: Rudolf) Hertz**  
**1857 - 1894**



As the 19th century drew to a close, a number of important discoveries in the field of physics were made. One of them--the discovery of electromagnetic radiation--was the achievement of Heinrich Hertz, a German physicist. Hertz's research paved the way for the development of radio, television, and radar.

Heinrich Rudolf Hertz was born in Hamburg, Germany, on Feb. 22, 1857. His father was a prominent lawyer and legislator. In his youth Heinrich enjoyed building instruments in the family workshop. Hertz began his college studies at the University of Munich. After a short time he transferred to the University of Berlin, where he received his Doctor of Philosophy degree magna cum laude. In Berlin he was an assistant to Hermann von Helmholtz, one of the foremost physicists of the time.

In 1883 Hertz became a lecturer in theoretical physics at the University of Kiel. Two years later he was appointed professor of physics at Karlsruhe Polytechnic. In 1886 Hertz married Elizabeth Doll, daughter of a Karlsruhe professor; they had two daughters. In the 1880s physicists were trying to obtain experimental evidence of electromagnetic waves. Their existence had been predicted in 1873 by the mathematical equations of James Clerk Maxwell, a British scientist.

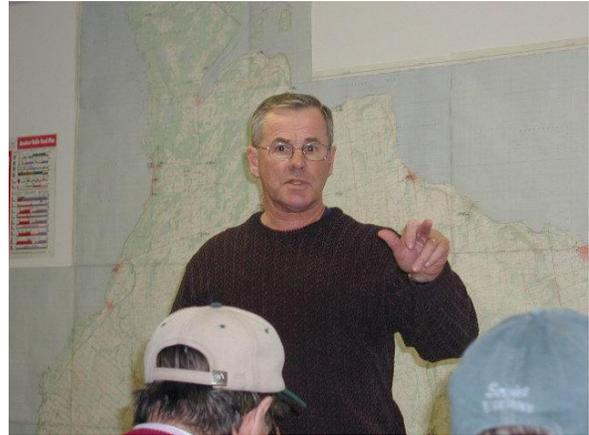
In 1887 Hertz tested Maxwell's hypothesis. He used an oscillator made of polished brass knobs, each connected to an induction coil and separated by a tiny gap over which sparks could leap. Hertz reasoned that, if Maxwell's predictions were correct, electromagnetic waves would be transmitted during each series of sparks. To confirm this, Hertz made a simple receiver of looped wire. At the ends of the loop were small knobs separated by a tiny gap. The receiver was placed several yards from the oscillator.

According to theory, if electromagnetic waves were spreading from the oscillator sparks, they would induce a current in the loop that would send sparks across the gap. This occurred when Hertz turned on the oscillator, producing the first transmission and reception of electromagnetic waves. Hertz also noted that electrical conductors reflect the waves and that they can be focused by concave reflectors. He found that nonconductors allow most of the waves to pass through.

Another of his discoveries was the photoelectric effect. In 1889 Hertz was appointed professor of physics at the University of Bonn. He died in Bonn on Jan. 1, 1894.

---

# Billy Bishop Heritage Day



This will mark the 85th Anniversary  
of Billy Bishops Victoria Cross

GBARC been invited to provide communication assistance at the upcoming Billy Bishop Heritage Day on Sunday June 2nd, 2002. Ron O'Donahugh (above) was at the March club meeting to ask for our help and explain what is needed. We will have a central communications point and portables on foot around the site and provide assistance in the event of an emergency like we've done many times in the past. For any that would like to help out, the admission is free. I'm sure this will be a nice event to participate in as they plan military re-enactments, displays of historic aircraft, parachute drops, museum exhibits, military bands, children's activities and fly-bys. Please check out the website [www.billybishop.org](http://www.billybishop.org) for more information. If you would like to volunteer please send an e-mail. If we get enough participants then we can set up a schedule and spread the coverage throughout the day.

---

## GBARC Elections

May is election month at GBARC and very soon you will be hearing from Barry WBG or Stephen SEG asking that you consider one of the executive positions in the club. Please consider running as new fresh ideas are always needed. If elected you will probably find that it takes up less time than you thought, I know that's how it was with me. *73 editor*

---

## From The Mailbox

---

# ZEROBEAT

## THE BRUCE AMATEUR RADIO CLUB NEWSLETTER

IS NOW POSTED 73 DE JIM COVERLEY VE3OVV

<http://www.brucearc.on.ca>

---

When in Barrie stop in at the **Barrie Amateur Radio Club Meeting**

Georgian college, Rowntree Theatre

Date: TBA Time: 7:30 PM

73 de ken ve3kpp

---

Greetings, Tom:

It's been awhile since we've spoken and it's nice to have this opportunity to say hello.

Congratulations on an excellent website! I particularly (but not exclusively) like the "The World of Amateur Radio" page.

As RAC Representative for Ontario South Region (postal codes L, M and N) I cordially invite Radio Amateurs in the Region to visit the Director's site and to contact me with any concerns or suggestions of mutual importance and interest to Amateur Radio, or invitations to attend events or meetings.

To that end, I would appreciate it if you would pass along to the appropriate person(s) the fact that I am ready and willing to accept an invitation to speak at a meeting of your club. I also have in place a program whereby I award to the highest mark, in a FULL Basic Course run by an ARC, a free RAC membership. I am also attempting to institute a Director's Council, composed of representatives from AR clubs within the Region, to provide insight and have participation in my actions as a member of the RAC Board of Directors.

My website has been set up to provide more opportunity for the exchange of information between Radio Amateurs and myself. My aim is to represent them to RAC and RAC to them.

Many thanks for your consideration and for doing so much for the betterment and furtherance of Amateur Radio. Please convey my best regards to your fellow club members.

Sincere 73!

Bob Cooke

VE3BDB

Ontario South Regional Director

Radio Amateurs of Canada -- "We're ALL about Amateur Radio!"