February 2002

FEEDBACK

The **OFFICIAL** Newsletter

of the

Georgian Bay Amateur Radio Club Inc.

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

This Month

Message from the President

Minutes of the last meeting

Allen Dumont

GBARC Mail Box

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

President
Bernie VE3BQM

Vice-President
BobVE3XOX

Secretary
SusanVE3TLK

Treasurer
Bob VE3LKD

Newsletter Team Editor
TomVE3TSA

Newsletter Team Mailing
Tom VE3CVL

Message from the President

Hello Everyone

To Start off I want to say thanks to Tom StAmand VE3TSA for the hard work and devotion he demonstrated as a true Amateur, I can't speak for him but I know he wants to see everyone benefit from his skills and efforts. The Basis/CW course is well under way, this is an 10 week undertaking for the club, although not all course segments are taken, you can still assist by being an instructor for one evening, that sounds harder than it is, we have instructor manual and slides, students have the study materials, all we need is you. If you wish to give a try, call me and I fill you in on the details, or you can visit the web page at http://greynet.net/~gbarc/ .

The general February 26 meeting is this coming Tuesday, at the clubhouse, 7:30 pm. I invited our students to attend, let us welcome them with our support.

This meeting will be very interesting, we will show you the video from last year Flower Pot expedition. Talk about a new event, were our services can be used, like the Billy Bishop Heritage Day at the airport, we were invited to great event in Owen Sound, and more.....

This years we have a special goal, something the club members have worked hard to make a reality, something that was needed, and many other thing had to be in place prior to this...and is now in it's place. We the club will be purchasing our very own HF Rig, here are the steps needed to meet this goal, at the meeting, a motion to purchase will be made, if you are in support of this goal, the club will purchase it, the members will volunteer there time to make breakfast for members the Saturday after each meetings, all profits will be put against the radio purchase fund.
You will have to decide what radio will best serve our needs, Yaesu FT-840, Kenwood TS50, Icom IC-718, all are in the $1000.00 range, other suggestion are welcomed.

What will top all your efforts, so far, this club is still the best around.
In the planning stages for club activities, we have field day, 2002 Flower Pot expedition, BBQ party, Radio Station Tour, a welcome back party for Jim and Chris from the 7 month in the sun boat trip, let's save some snow in the fridge for them, haha. If you can think of other activities that you would like to see happen, let's make it happen.

See you all at the meeting.
Bernie Monderie
Your President

PS: Executives, If I missed anyone in the address book, forward it to them and let me know.

Georgian Bay Amateur Radio Club
Minutes of Meeting

Minutes of January 22, 2002 Meeting

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

Everyone was welcomed and introductions were made. The Treasurer's Report was given by Bob VE3LKD. Co-ax cable is available for purchase by members. Please note the correction to the November minutes. The repeater frequency for the GBARC Paisley repeater is 147.165.

Old Business

The Christmas Dinner was well attended and enjoyed by all. $220.00 was collected and $246.04 was spent on the dinner, door prizes, etc. The membership dues are now due. After January 31 newsletters will not be sent to those with unpaid memberships.

New Business

The basic radio course starts January 23. So far 5 people have signed up to take the course, others are welcome. The course will be for 10 weeks from 7 - 10 each Wednesday night at the clubhouse. Volunteer instructors are wanted. Please contact Tom VE3TSA to let him know which subject you would like to instruct.

Box VE3XOX gave information on the history of the IRLP system and instructions on how to use it on 146.73.

The subject of Saturday breakfasts at the clubhouse was raised. The members were in favour of continuing, however, volunteers will be needed to organize them.

Suggestions from the members were requested as to what activities they would like to have carried out over the year. Some suggestions were Foxhunt, test your equipment night and children's activities/projects. Give some thought to this and bring your ideas to the February meeting.

Barry VA3WBG will obtain information about GOTA (Guides On The Air). This will be held on February 16. Volunteers are welcome to help.

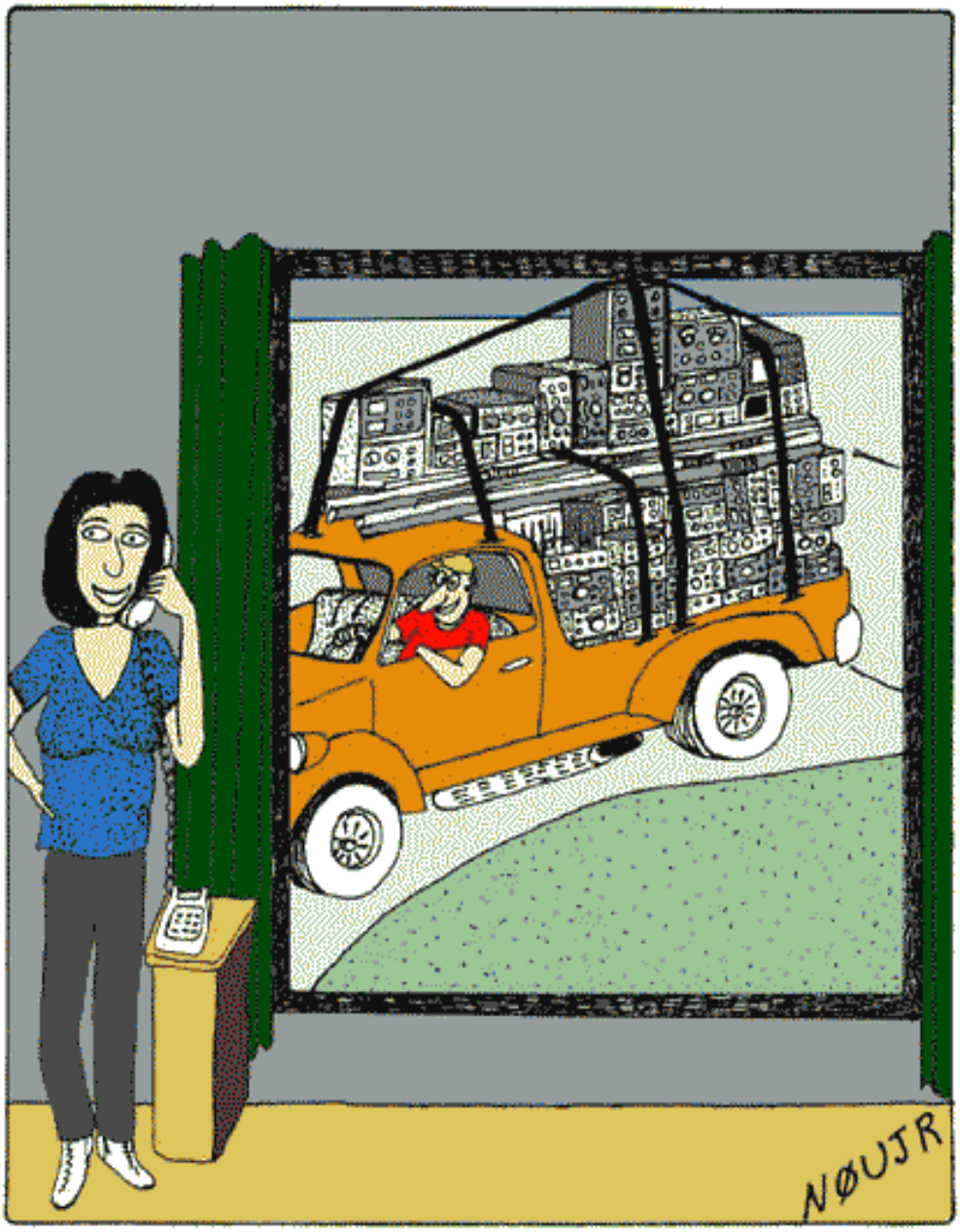
The Post Office Box is due for renewal. The cost is $75. A motion was made by Joe VA3JNA and seconded by Jerry VE3HDH that we keep the Post Office Box and pay the $75. Motion carried.

The Clubhouse renewal comes up at the end of March. A motion was made by Joe VA3JNA and seconded by Fred VA31CS that we renew the clubhouse for another year. Motion carried.

Field Day will be June 29 - 30.

Our condolences go out to Dieter VA3DST on the passing of his wife. A card from the club was given to him. A collection was made at the meeting of $60.75 and given to Dieter to give to the charity of his choice.

Moved by Tom May VE3CVL and seconded by Bob VE3XOX that the meeting be adjourned. The meeting was adjourned at 8:32 p.m.



"No Greg went to the ham auction this afternoon, to get rid of a couple old radios that were cluttering up the place...Oh I think I hear him pulling in now!"

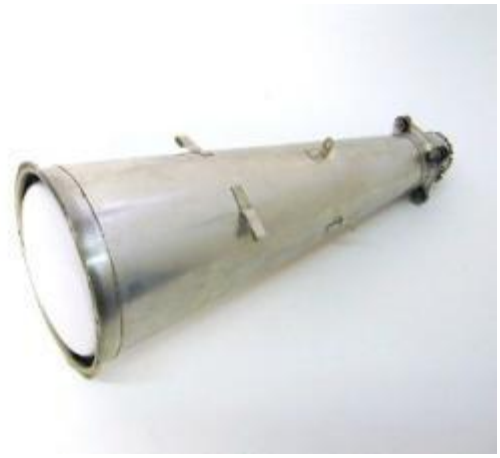
ALLEN BALCON DUMONT

Was born in 1901, which makes him one of the first of our pioneers of electronics to be wholly a product of the 2Oth Century. His engineering career started in 1924 when, as a freshly appointed graduate, he joined the Westinghouse Lamp Corporation in Bloomfield, New Jersey, as an engineer in the development laboratory. Since the invention of the triode tube (Audion) by Lee De Forest, many of the large electrical firms who had interests in both communications and in electric light had used their technical knowledge of lamp construction (particularly the use of tungsten filaments sealed into glass) to manufacture tubes. The Westinghouse plant was one that had been partly converted to tube manufacture and, in 1924, the great radio boom started when RCA pioneered the use of radio as an entertainment medium. Du Mont, like so many engineers in the field at that time, found himself in at the start of something big. He transferred to the radio tube division at Bloomfield and started to apply mass production techniques to tube manufacture. Mass production was only just beginning to make a mark on car production (thanks to the work of Henry Ford) and its use on articles that were thought of as delicate scientific instruments was unheard of. In parallel with this effort, he also started to develop the first large-scale test equipment for radio tubes, the forerunners of our modern test rigs.

The results of this truly engineering, as distinct from scientific, effort was felt all over the USA. An engineer, it is sometimes said, is one who can make for a penny what any fool could make for a dollar. Du Mont's work raised the production of the Bloomfield works to a staggering *50* thousand tubes of all types per day. This remarkable achievement established the young Du Mont as a production engineer of the first calibre and in 1928 he became Chief Engineer of the Dc Forest Radio Co. in Passmore, NJ, where his task was to modernize the plant and improve its productivity. This was no small job, because the Passmore plant was the 'oldest' radio tube manufacturing plant in the world. Having been set up by Lee Dc Forest to manufacture the first ever triode radio tubes it was full of relatively old equipment.

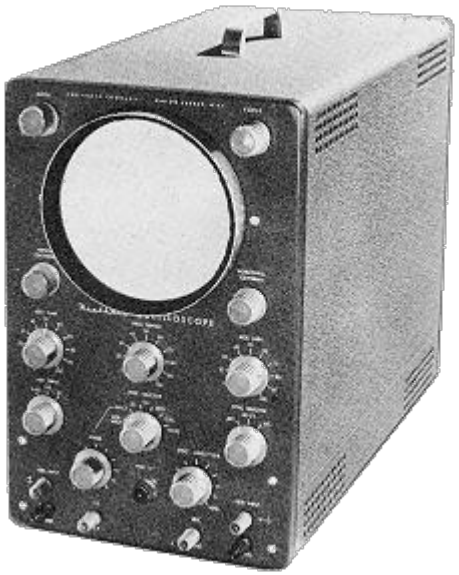
Du Mont gave the De Forest plant the same thorough attention he had devoted to the Westinghouse factory but then turned his mind back to research, since he was convinced that the key to success in radio was continual research and development. He had been fascinated by the patents of Charles Jenkins, one of the US pioneers of TV in the '20s. Jenkins, like Nipkow in the 1870's and Baird in the '20s, used electromechanical methods (involving rotating mirror drums) which produced very low-definition pictures. Du Mont set up a sound and vision system in 1930 but came to the conclusion that such a system could not possibly provide pictures comparable to film movies. Unlike others at the time, he was convinced that nothing else but comparability with the movies would be good enough for public use and that only a fully electronic system could provide the quality of picture needed. This remarkably logical conclusion led him to the most important step of his life.

In 1931, on his 3Oth birthday, Allen Du Mont set up his own business. The Allen B. Du Mont Laboratories existed to pursue a new technology - that of the Cathode ray Tube -as far as was possible.



At the time, the cathode-ray tube was a fragile piece of experimental glassware, a curiosity with few applications. Its design, in fact, had hardly changed since Braun invented it at the turn of the century. It would be hard to imagine anyone better suited to convert this primitive piece of glass plumbing into a piece of modern mass-produced scientific equipment and Allen Du Mont flung himself into his self-appointed task with relish. He rethought the design and construction of the cathode ray tube with the same energy and thoroughness as he had shown in the Westinghouse plant. He not only improved the primitive design of the tube, he also devised methods of production which were still in use for making experimental storage tubes in 1956. Seeing that no one else in the States was better equipped to make use of the new tubes, he went on to design his own oscilloscope, and built another production line for that.

The Du Mont oscilloscope was a landmark in the history of electronic instruments. It was the first truly commercially available oscilloscope and was snapped up by laboratories all over the world. It had a good stable time base, a Y-amplifier with a previously unheard of bandwidth of nearly 1 MHz and it was rugged and dependable. It was to prove, in fact, to be the most significant product of the Du Mont Laboratories, far outshining anything else, and in World War lithe Du Mont oscilloscope was chosen by all three military services.



Meanwhile, however, Du Mont's work on the oscilloscope was financing TV receiver techniques. He was following closely the work of Zworykin at RCA, convinced that this line was going to result in the all-electronic TV system he had dreamed of. Zworykin, in the USA, and Schoenberg's team at EMI in England, both came up with the same answer - identical systems - in 1936 and Du Mont was able to manufacture TV

receivers and offer them for sale to the public in 1937.

The glory was short-lived, however, because TV development was frozen by the outbreak of war. The Du Mont laboratories were turned over to the manufacture of radar tubes and other electronic equipment, while the production of oscilloscopes was trebled. The pioneering work on TV receivers was never resumed to any extent, despite Allen Du Mont's presence on the NTSC - the National Television Standards Committee - the body that, in the late '40s, came up with the famous specification for a colour TV system. By the time the Committee saw its recommendations emerging in the shape of the first RCA colour receiver, Du Mont was a sick man. He died in 1956.

Allen Du Mont never attained the fame and glamour of some of our other subjects, but he was one of the engineers whose work laid the foundations for much that we take for granted today. For two generations of enthusiasts in the USA, the Du Mont oscilloscope was one of the attainable dreams, an instrument that made an amateur into a near professional. For that alone, his name will be remembered.

http://members.aol.com/aj2x/dumont.html

SHOEPPERLE- Joan Isabel

Suddenly at Grey Bruce Health Services, Owen Sound on Friday, January 18, 2002. Joan Shcepperle (nee Wice) of Bognor in her 69th year. Beloved wife of Dietrich (VA3 DST). Dear mother of Karl and Karan and her husband Todd Ludlam all of Owen Sound. Also survived by a sister Edna Boggle of Bognor, a brother Gordon Wice of Brandon, Manitoba and a sister-in-law Lory Schopperle of Calgary, Alberta. Aunt of Linda, Deborah, Christina, Ronald, Christopher and Terry and several great nieces, nephews and cousins. A memorial service will be held at the Kingdom Hall of Jehovah's Witnesses, Rockford on Saturday, January 26th at 1:30 p.m. Memorial donations to the Kingdom Hall Building Fund or the Canadian Cancer Society would be appreciated and may be made through the TANNAHILL FUNERAL HOME, 376-3710.

Your President
Bernie Monderie
ve3 bqm

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

From: "Ron D Doyle" <n8var@juno.com>
Sent: Sunday, February 03, 2002 9:00 PM
Subject: IRLP in Owen Sound
>
>
I was up in Owen Sound last weekend (last weekend of January) with the Boy Scouts camping in Harrison Park. We had a group of about 145 scouts and scouters this year. A group of US BSA troops from the Dayton area have been coming up to the Winter Camporee for probably almost 15 years.
I have been up for the last 4 years. I was listening on your repeater Saturday after noon thinking it was only a local repeater. I was real surprised to hear California and gave them a call. Managed to talk to several states including Anchorage Alaska. What a surprise! There were several scouts and leaders with me at the time. It was a very impressive show and the guys on the radio were really good about explaining what was going on. I am bringing up the discussion in my Huber Heights Amateur Radio Club to see what interest I can get and start the investigation phase to see if we want to join in. I don't know if we are prepared to support a full time interenet connection even if we can turn the link on and off. But anyway I am getting some discussion started. I saw your post on the IRLP news group digest and want to say hello and thanks for providing the service.I know a couple of Girl Scout troops here and will ask around to see if they are interested in trying some HF to talk with other Girls around the world. I don't think there is an IRLP repeater close enough to me to be able to get into so will have to stay with the HF route. So Thanks! and 73 de Ron, N8VAR

Alan Constant
VE3-JCO
Tobermory, Ontario

I'm a HAM in Tobermory - don't get on the air much anymore.

I inherited a bunch of equipment and various electronic "junk" from my father a few years ago and am trying to get rid of what's left to make some room in my basement and I don't like throwing out stuff that might be useable. I thought some of it might be of interest to HAMs. Some of it works and might be useful and some might be good for experimenters who need parts. If you have a "swap shop" or list items for sale in your newsletter, I'd appreciate it being mentioned.

The only "valuable" stuff I have is 200' of the large diameter (approx 3/8") RG8-U antenna cable - the really GOOD stuff with phenolic core. I don't know what was paid for it, but I was told it listed over $3.50 per foot - a group bought an entire roll from the manufacturer and got it at wholesale. There are four pieces about 50' each plus a bag of about ten new and used connectors for it - I'll sell the whole lot including connectors for $100.

I also have four or five medium size boxes of "electronic junk" - projects my father built (a couple of power supplies, an electronic rhythm box and things which I have absolutely no idea what they do), an 8mm VCR that needs repair, Radio shack Video fader (working), TV converters, computer parts (working disk drives, tape drive, dot matrix printer. circuit boards - some kaput), bunch of ICs and various other miscellaneous items good for parts for electronics experimenters. Anyone who wants it can have it all for FREE! U pay shipping, pick it up or I can deliver it free if they live between Tobermory and Owen Sound. Only one condition - you got to take ALL of it!.

Thanks
Alan Constant
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Tobermory, Ontario
(519) 596-2484