

NEW ELEMENT DISCOVERED AT NRC RESEARCH CENTRE

The heaviest element known to science was recently discovered by physicists at the NRC Research Centre. The element, tentatively named Administratium, has no protons, 125 assistant neutrons, 75 vice neutrons and 111 assistant vice neutrons. This gives it an atomic mass of 312. These 312 particles are held together in a nucleus by a force that involves the continuous exchange of meson like particles called morons.

Since it has no electrons, Administratium is inert. However, it can be detected chemically as it impedes every reaction it comes into contact with. According to the discoverers, a minute amount of Administratium caused a reaction to take over four days to complete, when it would normally occur in less than one second.

Administratium has a normal half life of approximately 3 years, at which time it does not actually decay, but instead undergoes a reorganization in which assistant neutrons, vice neutrons and assistant vice neutrons exchange places. Some studies have shown that the atomic weight actually increases after each reorganization.

Research at other laboratories indicates that Administratium occurs naturally in the atmosphere. It tends to concentrate at certain points such as government agencies, large corporations, universities and can actually be found in the newest, best maintained buildings.

Scientists point out that Administratium is known to be toxic at any level of concentration and can easily destroy any productive reactions where it is allowed to accumulate. Attempts are being made to determine how Administratium can be controlled to prevent irreversible damage, but results to date are not promising.

(Credit to CRESS Bulletin, York University, via The Printed Circuit, Burlington Amateur Radio Club)

The Hamilton Amateur September 1992

Upcoming Meeting

First Meeting of the
Season!

Meeting: 16 September 1992

Nash Auditorium
Chedoke Hospital
Hamilton

HARC EXECUTIVE FOR 1992/93	
PRESIDENT:	VE300X
PAST PRESIDENT:	VE300G
VICE PRESIDENT:	VE3JAN
VICE PRESIDENT:	VE3LTD
SECRETARY:	VE3DWA
TREASURER:	VE30CD
MEMBERSHIP:	VE3VEH

HARC COMMITTEE CHAIRPERSONS FOR 1991/92	
AWARDS & CONTESTS:	
HISTORIAN:	VE3DWA
PROPERTY:	VE3BLG
BULLETIN EDITOR:	VE3DWA
EDUCATION:	VE3SON
EMERGENCY COORD:	VE3ERY
FIELD DAY COORD:	VE3SMF
FIELD MARKET:	VE3DWA
HEALTH & WELFARE:	OPEN
PROGRAMS:	VE3JAI
PUBLIC LIAISON:	VE3GCP
HOSPITALITY COORD:	VE30GQ
60th ANNIVERSARY PLAN:	VE3GCP
SWAP NET CONTROL:	OPEN
CANWARR COORD:	VE3LTD
REPEATER:	VE3DWA
TECHNICAL:	VE30CY
VE3CD LICENCEE:	VE30CY
VE3RCB LICENCEE:	VE30CY
VE3VWA LICENCEE:	VE3ANC
DESIGNATED EXAMINERS:	VE3LTD
	VE3EKY
	VE3DWA
	VE3GCP
	VE3SMF

Everett Englett	385-0879
Flore Mangle	578-1789
Emley Mitchell	627-0333
Paul Webb	574-0818
Dave Brunton	383-9806
Joe Urbanaki	388-8383
Ale Verhooq	389-9259

Dave Brunton	383-9806
George Olenick	383-7338
Dave Brunton	383-9809
Jim Walsh	689-6839
Bernie Granby	627-7175
Stuart Fedak	628-4131
Everett Englett	385-0879
Keith Johnson	528-1903
Emley Mitchell	627-0333
Fred Robinson	578-5197
Mary Urbanaki	388-8383
Fred Robinson	578-5197
Paul Webb	574-0818
Don Graziano	680-1980
Don Graziano	680-1980
Glenn Gibson	385-2786
Don Graziano	680-1980
Paul Hazen	574-0818
Paul Webb	574-0818
Bernie Granby	627-7175
Keith Johnson	628-1903
Fred Robinson	578-5197
Stuart Fedak	628-4131

HAMILTON AMATEUR RADIO CLUB FLEAMARKET
12 September 1992

IT'S THAT TIME AGAIN!

This year's fleamarket promises to be the best one yet.

There will be many new features:

⊕100% BIGGER! Both halls at Ancaster Fairgrounds have been reserved for the meet. We expect almost 200 tables of vendors. In addition to scads of space for bargain tables, we have already confirmed most of the big names - Atlantic Ham, Norham, R&S from the East Coast, Total Radio Service, Ratek, MAS, Electronic Service Lab, CARF, CJ Publications, Maple Leaf Communications, Syntax, Murray VE3FRX (the guy with the morse key collection), VE Services, several computer companies, and many more.

⊕FREE HAM TESTING! VE3GCP Fred will be invigilating examinations in a quiet room off the main hall. No charge to take your Basic, 5WPM, 12WPM or Advanced tests.

⊕PROFESSIONAL FOOD CONCESSION! Izabela of IZZY'S fame will be "slumming it" for the fleamarket. Don't expect Swordfish Key West, but do expect mouth-watering sausages or chicken on a bun, sandwiches, homemade desserts and many other snacks. She will be ably assisted by VE3OGQ Mary.

⊕FABULOUS PRIZES! In addition to the smaller valuable door prizes being drawn every 15 minutes, the BIG DOOR PRIZE is a KENWOOD TH77A DUAL-BAND HANDHELD! Every admission ticket has a shot at the Kenwood handle, but you have to be present to win.

Also, there will be tickets sold for a SUPER DRAW GRAND PRIZE of an ICOM 7351. Tickets are \$2 each or 3/\$5. They are available right now from VE3DKJ Keith 529-1603 (west end), VE3ZNB Norma 526-1971 (Burlington) or VE3EIK Pat 561-5413 (east end). This draw may be the best deal in town - depending on how many tickets

MINUTES, GENERAL MEETING 17 JUNE 1992

The Hamilton Amateur Radio Club (HARC) held its monthly meeting at the Nash Auditorium at Chedoke Hospital. Fiore Manga VE3OQG in his opening remarks welcomed everyone to this the final meeting of the club year.

Dave Bruton VE3DWJ, chairperson of property and awards presented Bernard Granby VE3EKY with the Order of Merit. Bernie in a short acceptance speech thanked the Club and everyone for the honour bestowed on him. The Order of the Gavel, an award presented to past presidents of the Club was conferred on Mike Spenuk VE3JTQ and Jim Walsh VE3SON for the years 1990 and 1991 respectively. The Home Brew contest was also presided over by Dave. The two judges for the contest were Arie Verhoog VE3VEH and Steve Mandula VE3SBP. The three contestants, Grant VE3LMS, Stuart VE3SMF and John VE3DYV gave a brief description of their entries. The award was won by Grant VE3LMS for his QRP transceiver and antenna.

The election chairperson Don VE3OCY announced the candidates running for office for the forthcoming club year. They were:

VE3LTD Paul Webb	VE3VEH Arie Verhoog
VE3DWJ Dave Bruton	VE3DOU Peter Goodson
VE3DJR Dave ???	VE3JSO Jerry Osborn
VE3AI Emsley Mitchell	VE3OCD Joe Urbanski
VE3OQX Everett Englert	

After the balloting the meeting adjourned for coffee at 8:50pm and reconvened at 9:20pm. Fiore VE3OQG once again welcomed new members and guests. The election chairperson then announced the election results. The following members were elected to serve on the executive board for 1992/93:

VE3LTD Paul Webb	VE3OQX Everett Englert
VE3DWJ Dave Bruton	VE3VEH Arie Verhoog
VE3OCD Joe Urbanski	VE3AI Emsley Mitchell

MINUTES, EXECUTIVE MEETING 19 JUNE 1992
(abridged)

start time: 7:45 with Fiore VE3OQG presiding

present:

Fiore VE3OQG	Don VE3OCY
Keith VE3DKJ	Joe VE3OCD
Dave VE3DWJ	Mary VE3OGQ
Paul VE3LTD	Arie VE3VEH
Emsley VE3JAI	

Treasurer: Joe Urbanski VE3OCD
Joe is a hard worker, but mostly behind the scenes. Last year he regularly helped his wife Mary VE3OQG with the Hospitality services for the Club, and his smiling face can be seen helping at just about any of the club functions or projects.

Membership: Arie Verhoog VE3VEH
Art joined the club as an SWL in 1986. He is an active volunteer in club projects, such as the Great Ride for Cancer, CANWARN, Field Day. His interests include packet, satellite and flying.

-the Board-elect decided on their duties:

Everett Englert	VE3OQX	President
Fiore Manga	VE3OQG	Past President
Emsley Mitchell	VE3JAI	Vice President
Paul Webb	VE3LTD	Vice President
Dave Bruton	VE3DWJ	Secretary
Joe Urbanski	VE3OCD	Treasurer
Arie Verhoog	VE3VEH	Membership

The meeting ended at 11:10pm
minutes taken by VE3JAI Emsley Mitchell

-the newly elected executive was congratulated
-it was noted that VE3JAI had donated his door prize "The ARRL Operating Manual" to the club library
-Emergency Coordinator, VE3SMF Stuart presented his detailed written report, including administrative details, planned and completed exercises, emergency equipment inventory with recommendations
-Canwarn Coordinator, VE3LTD Paul reported on his progress and the state of emergency power at the Canwarn station at Mount Hope. It was decided that VE3SMF Stuart would loan his 26 amp gel cell to the cause and if the Weather Office hasn't rectified (no pun intended) the situation by the end of the season, the club will donate \$200 towards purchasing a backup power supply
-VE3OCY Don reported on problems with the club 2.7 KW generator, and informed the executive that he is investigating the acquisition of an emergency power supply for the VHF repeater and a controller for the UHF machine. He estimated the cost of the controller at \$900 US. VE3OQG Fiore undertook to get an estimate on repairing the large generator.
-VE3OCD Joe and VE3OGQ Mary volunteered to setup and wo/man the hospitality tent at field day
-VE3DKJ Keith reported that the Fleamarket is right on track. He would appreciate hearing from anyone who is able to obtain 100 tables for the day
-Property and Awards chairperson VE3DWJ Dave reported that all the trophies have been engraved

Les VE3EGT thanked Mary VE3OGQ for the fine job that she does as hospitality coordinator. Fiore announced that there will be a meeting of the old and new executive tomorrow at the Red Cross Building at 7:00pm.

It was announced that VE3DC will be on the air on Canada Day.

A motion for adjournment was made by Jim VE3SON seconded by Joe VE3OCD. Carried. The meeting ended at 10:20pm.

signed E.A. Mitchell VE3JAI, Secretary

ORIGINAL CONTRIBUTIONS WANTED

The Editor and Assistant Editor of this bulletin want members' original contributions for publication.

The Hamilton Amateur is by and for members of the Club. If you participate in a club event, how about writing up a report on the experience? Or perhaps you have modified or designed a circuit which would benefit others (if they knew of it) - share it! Everyone has had a radio experience which stands out or affects them deeply - write it up for others to enjoy!

With a few high quality noticeable exceptions, HARC members have been a reticent bunch. The Bulletin will only be as good or as relevant as the material we get.

NEW EXECUTIVE FOR THE 1992-93 CLUB YEAR

The forces of democracy have triumphed again. At the June general meeting, the new executive was elected from a very impressive slate of ten candidates. For the Club year 1 September 1992 through 31 August 1993, the board of directors will be:

President: Everett Englert VE3OQX

Ev has contributed many years of service to the club. He served as President in 1988, Vice President last year, Field Day Chairman 92, and has held many of the other executive and committee positions throughout the years. Ev has shown himself to be an impartial, level-headed, moderate and fair chairman. He will make an excellent Chief Executive Officer of the Club this year.

Vice President Operations: Emsley Mitchell VE3JAI
Emsley joined the Club in 1990 and immediately immersed himself in its operations. He served as Secretary for the 1991-92 year and distinguished himself by his diligence in performing those duties. We can look forward to an exciting year of speakers and activities with Emsley in charge.

Vice President Administration: Paul Webb VE3LTD
Paul is another newcomer who has jumped into the operation of the club with both feet. He served on the Board as Membership Chairman last year, and with Jim VE3SON has broken new territory by taking on the demanding job of CANWARN chairman. The CANWARN project is a joint venture with Environment Canada based at Mount Hope Airport which provides weather-watch services.

Secretary: Dave Bruton VE3DWJ

Dave served as Property Chairman last year. If he brings the same enthusiasm and precision to the job of Secretary as he did to Property, the club records are in good hands.

Fiore welcomed and introduced the guest speakers from Atlantic Ham Radio who were invited to show their new ham gear and answer questions. They brought an assortment of two meter and dual-band hand-helds, mobile and HF rigs. The hand-helds were passed around for scrutiny. Five door prizes were drawn, and the books were presented to the winners with the compliments of Atlantic Ham Radio.

REPORTS:

Emergency Coordinator's Report: Stuart VE3SMF reported that to date only fifteen Emergency Registration Forms had been received and urged all members who have not completed one to do so as soon as possible. Stuart VE3SMF moved, seconded by Keith VE3DKJ that the Club allocate funds to purchase a Yaesu FT890 with antenna tuner, power supply and desk mike to replace the rig in the club house. Carried.

Field Day Report: Everett VE3OQX asked again for volunteers to act as band captains on field day, also volunteers are needed to organize food.

Membership Report: Paul VE3LTD reported that the club currently has 190 members. Membership dues of \$25.00 are due by September 1, 1992 and club members are invited to mail in their cheques ASAP.

The minutes of the May 20, 1992 meeting were read by Emsley VE3JAI. A motion for acceptance of the minutes was made by VE3OZY Rick and seconded by VE3KOT Mort.

A suggestion was made by VE3NYC Paul that a computer interface be purchased to control the VE3NCF repeater. VE3TTO Gary Notto moved, seconded by VE3SMF Stuart Fedak that an amount not exceeding \$500 be allocated to purchase this interface.

BITS AND PIECES

Rumour has it that VE3GCP Fred has a blockbuster of a party planned to celebrate the Club's 60th Anniversary this year. All we know so far is that we're going to be hamming it up at the HILLCREST RESTAURANT on SATURDAY 7 NOVEMBER 1992. With dinner, dancing and prizes it sounds like one fun night. Further details as they break.

We should be hearing a couple of new callsigns on two meters now. Vic VE3VMO and Karen VE3HOE got their tickets over the summer after a lot of hard work.

We won't be seeing Bernie VE3EKY for a little while. He has planned a boat trip to southern climes, leaving the end of August. Bernie will be checking in to the Snowbird net on 21.212 MHz. He hopes to be back around next April. For the life of me, I couldn't think of a better way to spend this coming winter!

If you were wondering why our new president Ev VE3OQX was so scarce during August, it was because he was on honeymoon - on 29 July 1992 Ev married Patricia, and they spent the month together up north and out west.

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THE HAMILTON AMATEUR RADIO CLUB

P.O. Box 91215, Effort Square Postal Outlet, Hamilton, Ontario L8N 4G4

CLUB MEETINGS:

Meetings are held on the third Wednesday of each month except July and August at the Nash Auditorium, Chedoke Hospital. Start time is 8:00pm. Non-members and friends are welcome, coffee and donuts are on the house!

EXECUTIVE MEETINGS:

The Board of Directors meets at 7:30pm on the fourth Wednesday of each month in the Radio Room, Red Cross Building, 400 King St East, Hamilton. Members are encouraged to attend.

CLUB STATION:

The HARC maintains an emergency radio station in the Red Cross Building, 400 King St East, Hamilton.

MEMBERSHIP:

Membership in the Club costs \$25.00 per club year, 1 September to 31 August. Additional family members (no bulletin) are \$1.00 per year.

EDUCATION and LICENCE TESTING:

Amateur radio licence courses are regularly scheduled. Licence testing through the Club is performed on the second Wednesday of each month (by appointment). Contact the appropriate person responsible listed on the front cover.

REPEATER:

VE3NCF 146.760 MHz (input -600) located on the Hamilton escarpment, is available for use by all amateurs. Special features (mailbox, link info) are privileges of membership. Part of the VE3RPT link system. Contact the executive for codes.

FIELD-DAY:

The HARC operates a multi-station site during Field-Day. Contact the Field-Day Coordinator on the front page for more information.

SWAP NET:

A swap net is held on VE3NCF every Tuesday at 8:00pm except during the summer. The buy and sell listings are also available on the club packet BBS VE3DC operated by VE3JSJ on 145.590 or via modem 575-4745.

FLEAMARKET:

A fleamarket is held during September each year at the Ancaster Fairgrounds. The 1992 fleamarket date is 12 September. Doors open to the public at 9:00am.

BULLETIN:

The Hamilton Amateur, the official news bulletin of the Club is published ten times a year and sent to all members (families share a bulletin).

are sold (maximum 1500, no minimum), the odds and payoff are better than any lottery on the market today!

The fleamarket rivals membership dues for the working capital of the Club. For the good of the Club, talk this one up on the nets every chance you get!

A flyer including a registration form is enclosed in this bulletin.

MEMBERSHIP RENEWAL NOTICE

The Club year ends on 31 August 1992. All memberships become due at that time. The dues structure is: Basic Membership \$25 per year, additional memberships in the same family at the same address with no bulletin \$1 each.

Please take the time to check your mailing label now. It should show on line two: Callsign or Z/Membership Status

Z denotes an SWL, or COMP for Company or temporary Complimentary issue. If you have recently been licenced and your callsign doesn't show, please contact Arte VE3VEH, Membership Chairman to correct the situation.

Membership status for most members will be A2, representing an expiry date of August 31, 1992 - these members dues are now due. Some members have paid in advance, and their status will be A3 or higher.

To renew, visit the Club table at the HARC Fleamarket 12 September 1992, Marritt Hall, Ancaster Fairgrounds, or talk to Arte at the Renewal Table at the first Club meeting 16 September 1992. Nash Auditorium, Chedoke Hospital Grounds 8:00 pm, or mail your dues in to:

Membership, Hamilton Amateur Radio Club
P.O. Box 91215, Effort Square Postal Outlet
Hamilton, Ontario L8N 4G4