

N.S.A.R.C.

JANUARY 1986

NORTH SHORE AMATEUR RADIO CLUB INC. NEWSLETTER

P.O. Box 171
Oshawa, Ontario, Canada, L1H 7L1

1986 EXECUTIVE AND OFFICERS

President	Neil McAlister	VE3KSP	668-4161 (after 6:00 p.m. please)
Vice President	Joe White	VE3IHS	623-4069
Secretary	Charlie Bissett	VE3IBO	668-7481
Treasurer	Colin Bell	VE3CEU	723-7842
Program			
Co-ordinator	Roy Norton	VE3OHN	623-7125
Community			
Relations	Frank Lane	VE3NIP	668-1982
Registrar	Keith Wyard-Scott	VE3GDF	723-5758
Get Well Cards	Ted Brant	VE3ADD	668-3561
2 Meter Net	Roy Miller	VE3AAF	
Temporary Editor	Edwin Taylor	VE3FRM	985-3790

CLUB STATION.....VE3NSR
CLUB REPEATER.....VE3OSH 147.72 MHz.. .. 147.12 MHz out

CLUB NET 2 Meter Net each Thursday via VE3OSH
at 1930 hrs. local time.
Net Control: Roy, VE3AAF

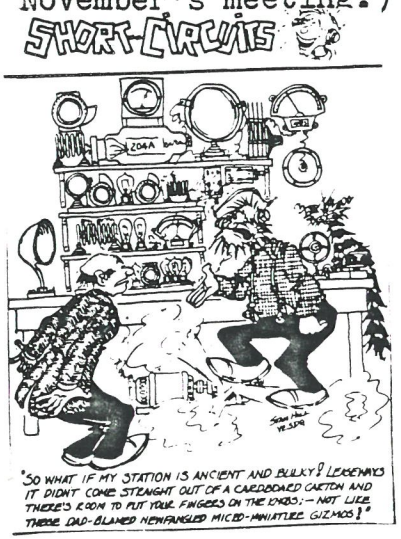
Monthly Club Meetings are held at 2000hrs. on the second Tuesday of every month (except July and August) in the cafeteria of O'Neil Collegiate, Simcoe North, Oshawa.

NEXT MEETING: January 14, 1986
8:00 p.m.

AGENDA

1. Election of directors (important!)
2. Election of a new editor (Tre important)
3. VE3KSP will have a slide presentation of his recent trip to China. (This had been originally scheduled for last November's meeting.)

DUES ARE PAST DUE!!!!!
PLEASE SEND CHEQUE NOW!!!!!!
WE NEED YOUR MONEY!!!!!!!



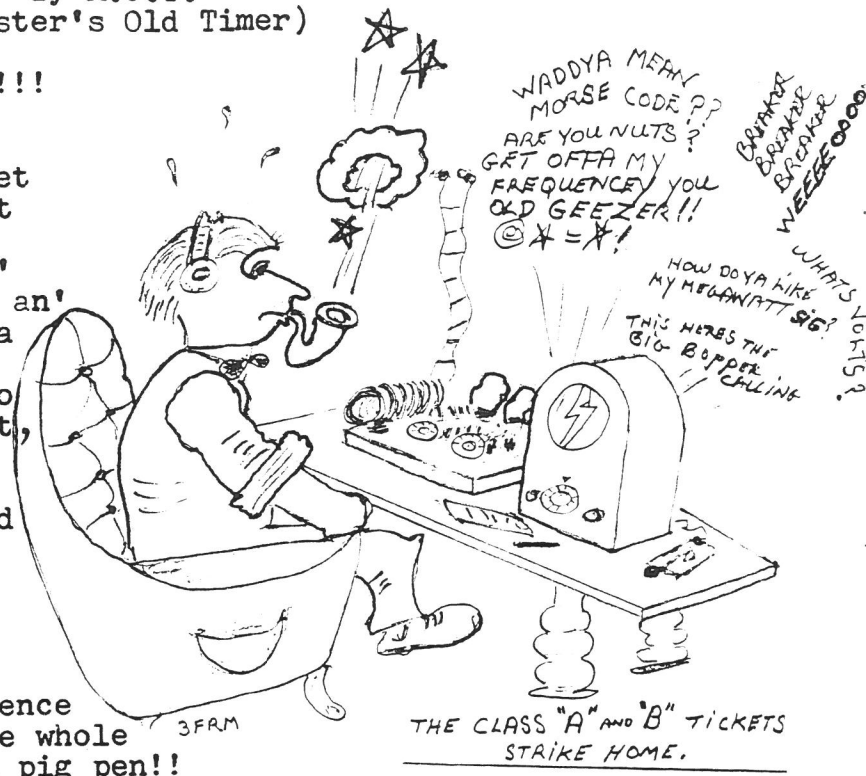
VE3FRM
+
CAT
←

Guest
Editorial

By M.O.T.
(Manchester's Old Timer)

Goodbye To The World Above 30 mcs!!!

Well fellow amateurs, the D.O.C. proposals are on the next page. Get the glass out an' read it good. At first glimpse certificate "A" don't look too good. Then readin' on, it ain't so bad. You read it an' think a spell. Well, I went thru a whole plug o' tobaccy thinkin' about it an' I tell ya it ain't no good! Thar ain't no 5wpm code test, no time limit an' no sanity!! Any lug who knows how to screw on a PL259 and plug a CSA approved cord in the wall cin git on!! Ohhh shades of CB, it'll be wurse than CB, it'll be disaster! Thars no incentive what so ever for the type "A" to move on to type "B". They will take up permanent residence above 30 mcs an' sit thar 'til the whole spectrum stinks like ol' Archie's pig pen!!



The DOC were pretty clever in puttin' this un over. Thar's not one pointed object to prick the hind end of the averij amateur, no extry class licenses, nuthin! It's all as smooth as glass! Like offerin' old bossy some fresh clover as she stumbles into the killin' stall! Already I heard some hopefuls asinuatn' they cin git their YL's on when the new class "A" comes law! Would they want their YL's operatin' with the kind that will be pushin' their way in? The degenerates and their foul language will be just toomuch fer church goin' amateurs.

Why didn't the DOC just offer a simple novice license with a 5 wpm maximum? I'll tell ya why! I read the Finanshul Post an' I know why! Canada likes to sell lots of lumber, scrap iron, rusty Fords and wheat. The country that buys all this wants us to by cars to balance the trade. Well we got things like "auto-pacts" an' other stipulations that stop us from fullfillin' our committments. What better way to balance the debt than to create a whole new market for that county's electronic trash!

Then thar's that genyration that feel their too edjumucated to diddle with that silly code stuff! They spent their childhood in front of the boob toob and now have the impression that if joy can't be bought an' plugged in, then they don't want it. Them an' a few of thar look-alikes who managed the gumption to join our ranks are pushin' for a class "A" ticket. Our ranks are not failin' t' the d'gree that we must fling open the gate fer every Tom, Dick or Harry who can afford t' buy a DOC approved rig!

Tarnation, if that don't beat all, I swallowed my last chaw an' got heart burn somethin' fierce!! I'm goin' t' sign now but don't forget to write the DOC offerin' them pore misguided souls your constructive comments on the whole mess!

Whew! Martha, where's the bakin' soda?!!!

Canadian NewsFronts

Conducted By Harry MacLean, VE3GRO
500 Riverside Dr.,
London, ON N6H 2R7
Tel. 519-473-1668



CRRL Officers and Directors

President: Thomas B. J. Atkins, VE3CDM
Vice President and Secretary: Harry MacLean, VE3GRO

CRRL, Box 7009, Station E, London, ON N5Y 4J9, Tel. 519-225-2188
CRRL Outgoing QSL Bureau, Box 113, Rothesay, NB E0G 2W0

Honorary Vice President: Noel B. Eaton, VE3CJ

Directors: G. Andrew McLellan, VE1ASJ
Albert G. Daemen, VE2IJ
Raymond W. Perrin, VE3FN
William A. Gillespie, VE6ABC
William Kremer, VE7CSD

General Manager: Raymond Staines, VE3ZJ

Counsel: B. Robert Benson, Q.C., VE2VW
Suite 1600, 2020 University Ave.,
Montreal, PQ H3A 2A5

DOC Proposes New Certificates

On October 25, representatives of CRRL and CARF met with DOC in Ottawa to hear DOC's proposal for "Restructuring of the Amateur Service." Why restructuring? First, DOC feels strongly that the present structure, with its heavy emphasis on technical knowledge, is no longer relevant in a world where most amateurs operate using commercially built rather than homebuilt equipment. Second, DOC is concerned, as many of us are, that the Canadian Amateur Service may be dying. Last year, the growth rate fell to 1.1%. The average age of all Canadian amateurs is around 55. Very few young people are joining the ranks. What will happen when the old-timers pass on? Will there be any Amateur Radio as we know it?

Almost everyone who studies the problem seems to come to the same conclusion. If the Canadian Amateur Service is to remain viable, it must attract more amateurs. The service will also have to reflect the fact that nowadays few amateurs build their own equipment or even feel a need to know all that goes on inside their commercially built equipment. And, it will have to become easier for new amateurs, especially the younger ones, to join the ranks. Of course, the object will still be to have a quality Amateur Service.

DOC feels we can have this (and more) through "restructuring." Under the proposed plan, there would be three certificates: **Certificate A:** This would be the entry-level certificate. The sole requirement would be a pass mark on an examination on: (1) installation and operation of a modern amateur station, including interpretation of meter readings, adjustments to prevent interference, grounding and use of low-pass filters; (2) basic electronic theory, including safety practices while working on circuits and correcting interference problems such as front-end overload and audio rectification; (3) antennas and propagation, including types of antennas and feed lines and characteristics of various modes

of propagation; and (4) domestic and international regulations applicable to Amateur Radio. *There would be no code test.*

Holders of Certificate A would have the following privileges and restrictions: (1) the transmitter portion of the station, from microphone or key input to RF output, would have to be commercially built and specifically marketed for use on the amateur frequencies; however, other parts of the station (a receiver, transmatch, antenna or computer interface) could be homebuilt; (2) no emissions would be permitted on bands below 30 MHz; however *all* modes of emission would be permitted on bands above 30 MHz; (3) maximum power would be 250-W dc input; and (4) a holder of Certificate A would not be allowed to become a licensee of a repeater or remote base station.

Certificate B: This certificate would give additional privileges when used in conjunction with Certificate A. The sole requirement would be a pass mark on a Morse code sending and receiving test given at 12 WPM. Holders of Certificates A and B would have the same privileges and restrictions as holders of Certificate A, but would be permitted to use all modes of emission on *all* amateur bands, above and below 30 MHz.

Certificate C: This certificate would give additional privileges when used in conjunction with Certificate A or Certificates A and B. The sole requirement would be a pass mark on an examination of advanced electronic theory, with a degree of difficulty somewhere between that of the present Amateur and Advanced Amateur examinations. Holders of Certificate C would receive the following additional privileges: (1) the right to use homebuilt transmitting equipment; (2) the right to use maximum legal power, 1000-W dc input; and (3) the right to become a licensee of a repeater or remote base station.

Under the proposed new structure, candidates would be able to write the examinations for all three certificates at a single sitting.

Existing amateurs holding either and Amateur or Advanced Amateur Certificate would be deemed to have the privileges given by all three certificates, A, B and C. Existing amateurs holding a Digital Certificate would be deemed to have the privileges given by Certificates A and C.

At press time, your editor was working from a draft provided by DOC. Notice of the proposal had not yet appeared in the *Canada Gazette*. By the time you read this, the notice should have appeared and copies of the proposal should be available from all offices of DOC. DOC intends to give amateurs and other interested parties 180 days from the time that the notice appears in the *Canada Gazette* to make comment.

Take it from us—DOC is not interested in simple expressions of "yes" or "no." Comments will have to be qualified. Specific issues will have to be addressed. DOC offers these suggestions: (1) Are there significant factors that DOC has not considered that might affect the proposed structure? Could the proposed structure be improved? What would you suggest as an alternative? (2) If you were an aspiring amateur, would the proposed structure encourage you? Why or why not? (3) If you are an amateur, does the proposed structure realistically reflect the way you operate? (4) How will the proposed structure affect the future of Canadian Amateur Radio? (5) Does the structure adequately accommodate special-interest groups? Is there still a need for a Digital Certificate? (6) Would Canadian Amateur Radio benefit from a Novice-type licence similar to what is available in the U.S.? If so, how could a Novice-type licence be incorporated into the proposed structure?

Comments should go to the Director General, Radio Regulatory Branch, DOC, 300 Slater St., Ottawa, ON K1A 0C8. Please send a copy of your comments to CRRL. It *will* help your CRRL reps and workers with their homework over the next few months.

MORE DOC NEWS

- DOC has informed CRRL of a new third-party-traffic agreement with the UK. The agreement went into effect on October 16.
- DOC will soon release a *Canada Gazette* notice calling for amendments to the *Radio Regulations* that will give Canadian amateurs access to the 18- and 24-MHz bands. The 18-MHz band is now clear of former users. The 24-MHz band still has one military user.
- DOC will also be releasing a *Gazette* notice calling for the end of issuing special Amateur Radio prefixes to commemorate significant Canadian events. This news comes as a surprise. Earlier this year, DOC indicated its willingness

to work with a committee of amateurs that would screen all requests for special prefixes, with DOC giving final approval.

- In case you didn't catch League Lines in November *QST*, at the RSO-CRRL '85 Convention, DOC announced that it had amended the *Radio Regulations* to permit Canadian amateurs to operate CW and phone, maximum legal power, on the entire 160-metre band, 1.8-2.0 MHz. (CRRL is checking to find out if the ban on mobile and maritime-mobile communications on the 160-metre band was also lifted.) Repeater use on 29.5-29.7 MHz was authorized. Six-MHz-bandwidth fast-scan television was also authorized, and slow-scan television no longer

requires a special endorsement. Amateurs from ITU Regions 1 and 3 operating under reciprocal licensing agreements were given the right to use the entire 2-metre band, 144-148 MHz, while in Canada. DOC also indicated its intention to proceed with "deregulation of mode subbands," which would allow Canadian amateurs to operate any mode on their amateur allocations, relying only on volunteer adherence to recommend band plans to maintain order.

SEASON'S GREETINGS

- From all your CRRL reps and workers, best wishes for a happy holiday season. May 1986 be your best year ever.

COMMENTS

by Glen Flintoff, VE3AEQ

Having read the discussion paper on the restructuring proposals for the Amateur Radio Service, starting on P. 18 of the Jan./86 issue of TCA magazine, my first thoughts would be that it would be difficult to find any flaws in it, in an honest environment. I've always been apprehensive of any attempt to remove the "code" requirements from the examination criteria because it seemed to me to be the one element that kept amateur radio alive and the understanding of its usefulness under adverse conditions have never been successfully denied. I'm sure that there are those awaiting entry into the amateur ranks who would disagree with me, but in wartime there were thousands of people from various backgrounds who were taught the code at speeds equal to our amateur requirements and were successful operators. There are also those among us who say that code is no longer necessary, but it is still a mode that will allow you to communicate with relatively simple equipment. We're all aware of the technological capability of using computers, interfaced with modern transceivers and readouts, or printers, to copy the transmissions but I don't think you would want to pack all of this equipment on a bike or DXpedition.

I've also read the arguments in favour of no code that suggest that we have super intelligent beings in our midst who have no time for it. It seems to be beneath their dignity to learn the code. I'm aware of the remarkable talent in our midst but if this "humble person" could learn it without difficulty then our more talented species should find it easy.

I think amateurs "by and large" are considerate law bidding operators who respect each other in the operation within the confines of the spectrum. It would be a disaster if we created a monster we couldn't control.

The GRS or CB band, as it became better known by, should be a good lesson to us. The original purpose of this valuable piece of spectrum was opened to the public at large to serve a very valuable service, for which we all had great hopes. The original value of this band had endless possibilities for good communication and because of the frivolous requirements for licensing it ended up in an almost uncomprehensible "Babble". Please don't let this happen to our amateur radio system. I have, so far, had fifty good years with it, but some of you have a long way to go and believe me it is a privilege worth protecting. There will always be business interests lobbying to take any or all of it from you. As to policing the power output in various classes of licences let me say that this would be extremely difficult. I heard two US amateurs discussing someone's estate sale recently and one of them had gone to see the equipment. The station had ten thousand watt capabilities. This is no doubt an exceptional case but it shows that power limits are hard to control.

In summary let me point out that there really may not be as much pressure to down grade the amateur licensing requirements from the radio enthusiasts themselves, as there is from equipment suppliers who have an eye for a ready market. Down the road, if the Certificate requirements were weakened enough and the system deteriorated, it could then reach a stage where the spectrum searchers may more successfully present a case to prove that we are no longer performing a useful service.

"BEWARE"

73
Glen, VE3AEQ

AROUND OTHER CLUBS

The Peel ARC conducts an informal slow speed CW net every Sunday morning at 10:00 a.m. on 3.685 mc, plus or minus QRM. John, 3CES is NCS.

The Pickering Club was number one in North America in the "7A" class for field day. Sounds like they put out a real effort.

The Niagara Penninsula club is having its 8th Annual Hamfest, dinner and dance on Feb. 8/86. The Hamfest is from 8:00 a.m. to 2:00p.m. and the Dinner & Dance begins at 6:30p.m. in the UAW Hall, St. Catherines. Talk-in 7.24/84.

The Nortown Culb is continuing the refurbishing of the Haida's wireless and should have it operational in the Spring. Club call VE3NAR.

The Scarborough Club have a CW net on 28.4 mc, Sundays at 9:00 a.m. 1986 is the club's 40th anniversary and they are cooking up some real good festivities for '86. More next month.

VE3IND Evan sent along a letter to the club, thanking those who participated in the CNE Amateur Radio operations. He requests we appoint a VE3CNE rep. NOW. This will be brought up at our next meeting.

VE3CLT Thelma sent along the financial statement for 3CNE.

The above club newsletters are on display at club meetings. Enjoy!
* * * * *

The following little ditty was sent in by VE3IBO.

Do You Just Belong?

Are you an Active member, the kind that would be missed,
Or are you just contented that your name is on the list?

Do you attend the meetings and mingle with the flock?
Or do you stay at home and criticize and knock?

Do you take an active part to help the work along?
Or are you satisfied to only just belong?

Do you ever go to visit a member who is sick,
Or leave the work to just a few and talk about the clique?

Think this over member, you know right from wrong,
Are you an Active member or do you just belong?
* * * * *

It was 1915 somewhere in France. A young Orderly returning rather haggardly from a burial detail, paused and snapped a salute to his Captain. The Captain returned his salute and said "Did you have my horse shod as I ordered?"

The orderly turned ghastly pale and replied with a quiver in his voice, "My God, did you say shod?"
* * * * *

It would be a little easier living on our small wage if we didn't spend so much trying to hide its smallness!
* * * * * VE3FRM * * * * *

AROUND THE CLUB

- 3LEW has a new dodule for his Kenwood power bridge and has been rigging up jumper cables for its' use in the shack.
- 3OHN stove in a rib doing calisthenics in the basement with old Fido. We hope it heals real quick Roy.
- 3JPJ Steve has acquired an "Aether Heater" which he will have on the band soon. The Hydro had to run a separate line just to drive it all.
- 3IBO Congrats to Charlie on winning the NSARC FD award, top score on 40.
- 3LNX Congrats to Vic & crew for winning top 5 position (multiop) in the ARRL Eighth Annual UHF contest! (QST, Dec./85, P. #92.)
- 3AEQ Glen was on CFTO ch.9 "Heart Beat". I missed it, but my daughters tell me it was quite good. They showed all his geared which was quite impressive and talked about Glen's participation in handling traffic into and out of disaster stricken Mexico City. You've done Amateur Radio and your fellow man a good deed Glen!
- 3BHQ Farney is installing an Ultra Violet purifier to freshen up the drinking water. Farney had a good view of Hailey's Comet from his home near Lake Ontario which provides him with a good dark sky.
- 3BVD Lou has left ViewStar for a position with Emmerson Electric. Lou built an adaptor to create the sound of a spark transmitter for his 80 meter rig and will be demonstrating it on the Old Timers net.
- 3ORP Congrats to Ron on obtaining his advanced.
- 3EX Congrats to Harry for joining NSARC. It's good to have another OT on board. Harry used to operate Spark on the Banana Boats after WW1.
- 3ORZ Mark has a new Kenwood 2600A walky talky. Xmas came early Mark.
- 3JPB is now home and recuperating rapidly from her operation.
- 3GGJ Dell, is building a 2 mtr. Jpole for use on his balconey and came down to Oshawa to visit his daughter for Xmas.
- 6EYT Don, sent along a cheery note from the land of the Chinook. Sez heenjoyed the corn roast last summer and hopes to make a meeting on his next trip east. The wx has been colder than the norm, but the Western welcome is as warm as ever!
- 3HMG Eric is temporarily grounded after totally wrecking his aircraft in bad weather this fall. During some aerobatics under a low ceiling Eric's controls became reversed and he dove his speedy little craft straight into the ground. Damage was so extensive, I beleive he will be jacking up the engine and putting a new aircraft under it!

Durham Region Horseback Riding
for the
Handicapped Assocation

The club received a letter from the Durham Region Riding for the Handicapped Association on July 10, asking if we could supply them with radio communications for their annual riding for the handicapped, to be held on September 21, 1985. Charlie, VE3IBO, asked me if I would take care of this as I had looked after their communications for the last four years. I said that I would be pleased to do so, and asked the following amateurs to participate, Bob Leet, VE3LLZ, Eric Atkins, VE3HMG, Paul Dale, VE3LHZ, and myself, Ralph Day, VE3CRK. To these amateurs I thank you. The Durham Region Horseback Riding for the Handicapped Association also thanks you for a job well done. See you next year,

Ralph, VE3CRK

Oshawa Fiesta Parade

Pete Mitroff, VE3DSW, from St. Catherines, called me on the Oshawa repeater, VE3OSH, June 1, 1985, and asked me if I could get in touch with the executive of the Radio Club about supplying radio communications for the Parade Marshals Association, who were marshaling the Oshawa Fiesta Parade, on June 16, 1985. I called Joe White, VE3IHS, vice-president of our club, on the phone and asked him to meet me on the repeater to discuss this matter with Pete. The end result was that Joe asked me to see if I could round up some operators for this parade. The following amateurs participated, Mel, VE3KXH, Neil, VE3KSP, Chris, VE3KLS, Bob, VE3LLZ, Ray, VE3OUB, George, VE3INB, Ralph, VE3CRK, and also Eric, VE3HMG, who helped to relay during the formation of the parade. A big thanks to Pete, VE3DSW, Tom, VE3LJR, and Eric, VE3ISD, from St. Catherines. Your help was greatly appreciated.

73, Ralph, VE3CRK

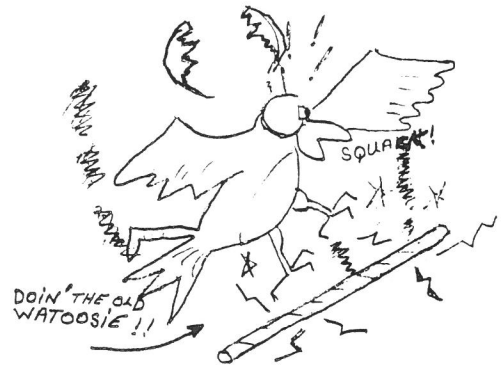
Around the club con't

- 3HNNH Bob (Murphy's little boy) is now out of the hospital after a 2½ week stint. Bob had quite a bout of sickness and has lost 35lbs. Bob's daughter, Jennifer is now in the hospital due to a collapsed retina. Boy'Oboys, if it don't rain it pours! I hope all is well real soon Bob.
- 3ADV Ginny has been under the weather lately but Art assures us she is on the mend.
- 3AZT Earl has a very bad cold which keeps him close to home lately.
- 3KZM The club received a nice Xmas card from Marjorie Boynton and tells us that Jack has made a turn for the better and hopes to be on the air waves soon. Jack has had a ruff year and is still rather frail.
- 3MCO Grace has another 39th birthday coming up on Jan 5th.Happy Birthday
- 3MDV Stan is burning a hole in the Aether these days with a brand new Yaseu 757.

A SHOCKER!!!!
by Ron VE3AIY

Not everything we read in "Sparks" is directly related to ham radio. This is one of those.

If you happen to have a cherry tree in your yard you will appreciate my problem. Every year it seemed the birds would get most of the cherries before we could pick them. I tried several things to scare the birds away, such as aluminum pie plates in the branches, or some furry object to represent an animal. I could have bought an imitation owl or a net but these are expensive. A stuffed cat would probably do the trick but that is not very practical.

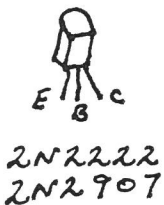
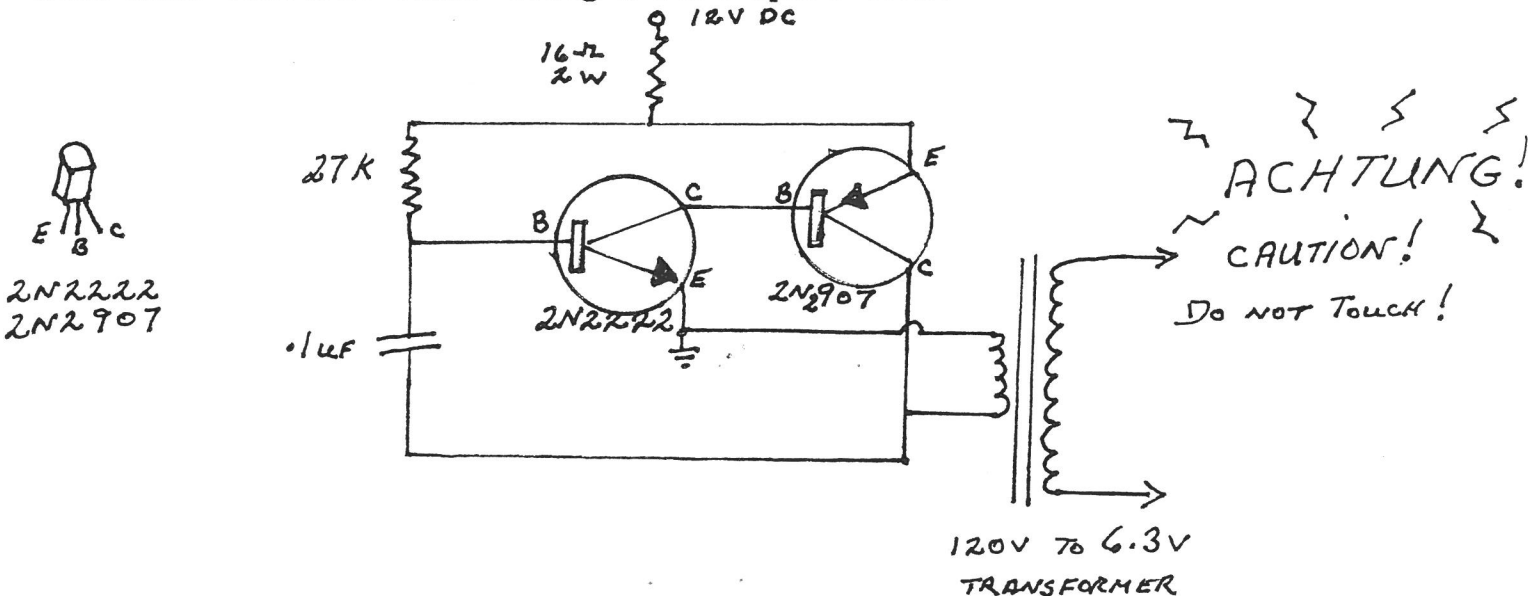


Every thing I tried was almost useless until I got the bright idea to try high voltage. To provide the high voltage I made up a power supply (see schematic diagram) and put it in a small plastic box to protect against the weather.

A small perch about 15" long was made from a piece of bamboo garden stake. Two pieces of bare copper wire were wound around the bamboo from one end to the other about 1/4" apart and then fastened in place using epoxy cement. I found a stick about 12' long and attached my perch at one end to form a "T". Then I found some two-conductor wire in my junk box and fastened this along the full length of the 12' stick and connected the perch to the wire. I went out to my tree and poked this device up through the branches and fastened it in place so that the perch was located in a clear spot just above the top of the tree. Then I connected the wires from the perch to the high voltage terminals on the power supply and the 12 volt terminals to an old car battery.

This thing puts out about 170 volts A.C. and requires about 100 milliamps from the battery. The birds land on the perch to survey the situation but they immediately take off in a hurry and I presume they tell their friends because this is the first year we did not have a problem. It was amazing to be able to look out our window and see the tree loaded with cherries and no birds helping themselves.

I like birds but sometimes they can be a nuisance, and incidentally, this reminds me of the fun I used to have back in the thirties with my home-made electric chair using a Ford spark coil.



VE3KWI Maurice Mantle is now home to recover from a very serious operation. We pray for your quick recovery Moe.

FOR SALE

- 1) Sharp SF720 photocopier : Needs about \$100. worth of overhaul. Asking \$200.00
Using ordinary paper. Ideal for low volume in a small business.
- 2) Star acoustic coupler for computer communications. 300 band. \$40.00
- 3) Telephone, beige rotary dial. \$25.00. 4:1 Balun - never used. \$30.00.
- 4) Kenwood AT120 antenna tuner \$120.

Call Neil, VE3KSP (evenings) 668-4161

FOR SALE

Johnson Matchbox, \$80.00. Hugh, VE3EVJ, 293-4409

FOR SALE

Audio generator \$12.00, Heath FET VOM \$49.00

WANTED

Hi-Imp magnetic head-phones.
Call Ed VE3FRM, 985-3790

WINE AND CHEESE PARTY

About 35 members including YL's attended and a great time was had by all. If you were one of the misfortunates who couldn't attend, you missed another successful N.S.A.R.C. event. The club's social convenors deserve a pat on the back for another fantastic function.

POST OFFICE

Our post office has received much criticism over the past years. Over the past year a marked improvement is becoming noticeable and the good old Post Office should get three cheers for a job well done in '85.

DON'T FORGET!!! If Amateur Radio ever needed You it is now! Please write to the DOC now! Tell 'em your opinion of their proposed class "A" ticket and give them good sound suggestions for structuring a Novice class ticket. There is little time left! We had 180 days from November 16th, the clock is ticking, don't let it be a time bomb destroying Amateur Radio forever! YOU must be heard! Don't just let George do it! Just George won't be enuff. We must all be heard!!

DUES ARE NOW PAST DUE!!!!!!

Time has almost run out! If you want to share in the best deal to come your way since Medicare, then send in your \$15.00 TODAY!!!!!!