

MEMBERSHIP

MEMBERSHIP LIST

Editor Bill VE3EYX

MARCH 1975

Executive

President Jim Veampiew VE3CRV
Vice Pres. Dick Shave VE3BIS
Sec. Treas. Cy Weaver VE3DQA

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The February meeting was attended by 23 members and visitors. The meeting opened at 8.05 pm. Cy, read the minutes of the January meeting and the financial report shows that we have a balance of \$141.71 in club funds.

Unfortunately the speaker who was to have talked about the Oscar satellite was not able to come but we hope to have him at the March meeting.

Copies of the QRP open Forum Announcement were distributed to all those present and comments invited. Further discussion on this subject took place on the net and on the repeater during the next week.

The EL 16 Day operation, a picnic at the summer cottage of VE3AKS, and the annual fishing trip from Southampton were brought up for discussion. Another activity

brought up by Dick, VE3BIS, was a two metre transmitter hunt in May or June.

The door prize was donated by VE3BIS and VE3EYX. The draw was made by VE3EYX and VE3EYX was the lucky winner.

Two excellent movies were shown and seemed to be of interest to all present. The titles were "THE WILKINSONS" and "MEMBERS OF THE BRANCHES".

Jack, VE3DAS, has offered to donate a reporter to the club so we may be able to get something done about this in the coming months. Max Jack.

The meeting closed at 10 pm. after coffee and donuts.

The next club meeting is at 8pm on March 20th in the UAC computer building.

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The ITU has allocated the following newcall sign series.

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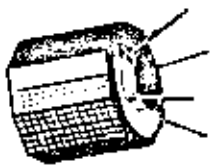
| | | | | | |
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| CV | VE3DQA | Verna | VE3DGF | Peter | S.E. |
| Dave | VE3DNO | Jack | VE3DGF | Art | VE3AM3 |
| Bill | VE3MIO | Berry | VE3MIO | Dick | VE3BIF |
| Jim | VE3DGV | Bob | VE3LVS | Mic | S.E. |
| Bill | VE3MIA | John | VE3DGS | John | S.E. |
| Wes | VE3MIR | Mike | VE3DGS | John | S.E. |
| Harvey | VE3NOR | Bill | VE3LX | Ted | S.E. |
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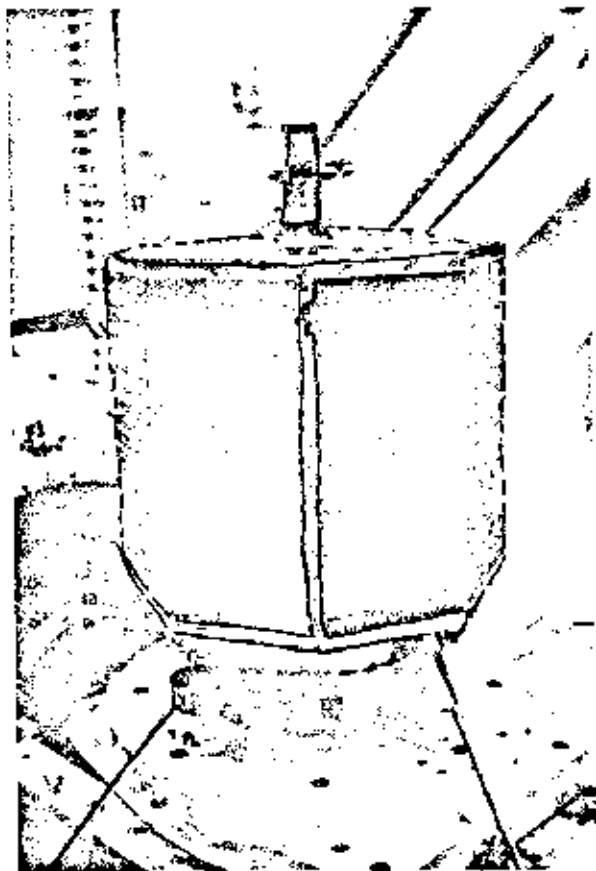
VE3MIA attended the CARS Forum in Toronto on March 1st and returned with five pages of notes that are too long to be put in this issue of Feedback. I felt that the forum was very interesting and informative. There are likely to be great changes in amateur radio in this country in the near future and it is fortunate that we have such a dedicated group as the CARS Regional Directors working on our behalf. I was not impressed with the turnout, only 59 amateurs and SWL's attended, but this is to be expected as the Canadian amateur is noted for his lack of support that a national or provincial society requires. They prefer to wait till something takes place and then sit back and bellyache about it on 75.



ON THE

Satellites

ERNIE WELLING VE3HD



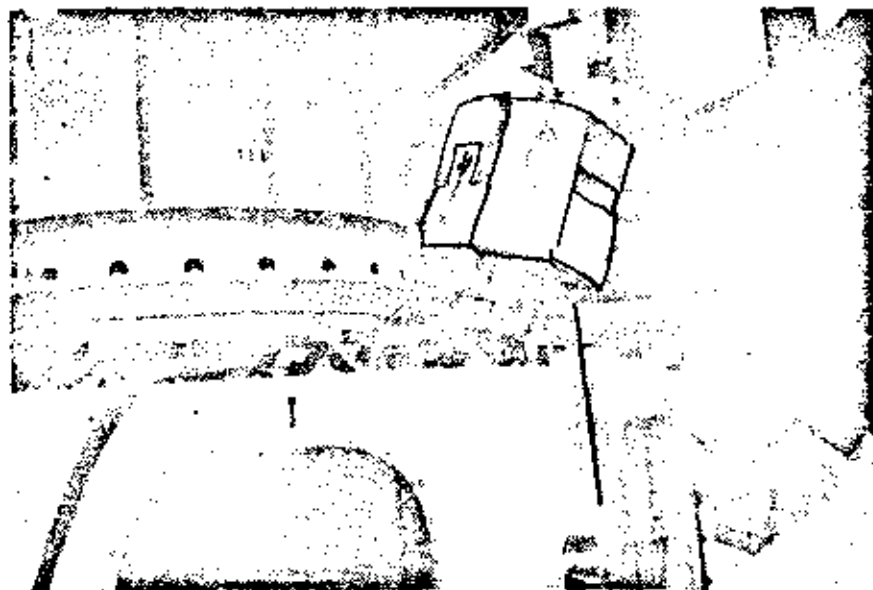
AMSAT - OSCAR 7 DURING VIBRATION TESTS

Most Long Skip readers probably know that the latest amateur communications satellite was successfully launched last November 15th and is performing well. It's predecessor, Oscar 6, is now going into its third year of operation and for the first time amateur radio has two active satellites in space.

Oscar 7's launch was particularly significant for Canadian amateurs as it marks the first flight of Canadian-made hardware. Amsat-Canada's contribution was a 435 Mhz beacon which is sending morse code and RTTY telemetry from the satellite. The builders, headed by Larry Kayser, VE3QB, were Bob Pepper, VE2AO, Ron Archer, VE3CNM, and Dick Barycastle, VE3FUA. Already they are looking at Canadian participation in Oscar 8 which is now being planned. But more about that in subsequent satellite columns which will be a feature of Long Skip's new format. These will deal with the practical aspects of working through the satellites and, most important, any questions that you might have about the new dx band that these orbiting vhf repeaters have created.

So far dx has been limited by activity in the lesser populated countries but satellite DXCC is only a matter of time. Some stations have over 50 countries worked and at least one station has worked five continents on Oscar 6.

If you have not already listened to Oscar you should try the top end of ten metres. Schedules and orbital data are given separately. Oscar 6 can be heard from 29450 to 29550 Khz and Oscar 7 from 29400 to 29500 Khz. Activity tends to peak around 29490 and Oscar 7's beacon is quite strong on 29502. The 70 cm repeater on Oscar 7 can be heard from 145.975 to 145925 Mhz with a beacon on 145.980 Mhz. Don't forget the frequencies will not be right on because of Doppler shift, another topic to be taken up later.



OSCAR 7 INSTALLED ON THE DELTA LAUNCH VEHICLE. NOTE THE CANADIAN FLAG ON SOLAR CELL.

Schedules

Oscar 6 The 2 to 10 repeater is available for general communication on the local time evenings of Sun, Wed, and Fri. (Mon, Thurs, and Sat gmt days). Sunday morning local time is also available. Other times that this satellite may be on are for special tests and it is not for general use.

Oscar 7 Repeaters on this satellite are on all the time, alternating between 2 to 10 (Mode A) and 70 cm to 10 (Mode B). Mode A is on odd numbered days of the year and Mode B is on even numbered days. In the data below X indicates a day reserved for special tests only and the satellite is not for general use.

Orbital Data

Below is listed the first orbit in each gmt day for both satellites for the next month (called the reference orbit). The time is when it crosses the equator northbound at the point given by the degrees west longitude. Subsequent equatorial crossings can be determined by adding 115 minutes to the time and 28.7° to the crossing point. The orbit is roughly polar, inclining 1.7° west of north. When it is within 2500 miles of your station you are able to hear the satellite and the easiest way to find when this is with a globe.

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The above was taken from the January issue of Long Skip, official publication of the Canadian DX Assoc.

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The GBARC Net meets every Sunday at 14.30Z on 3.783mhz, ssb, cw, am, welcome.

WHAT IS A DXer

Between the innocence of a Novice and dignity of the Traffic man we find a harrassed creature called the DX-er. DX-er's come in assorted sizes, modes, and powers, but all have the same creed: to work DX every second of every minute of every hour of every available day and to protest with higher power (their major weapon) when the band starts to fold and ionospheric punishment finally shoos them up to 75 meters.

DX-ers are found everywhere ... on top of, underneath of, barely inside of, sliding into, drifting out of, or switching to.

Beam manufacturers love them, rag-chewers hate them, Dx tolerates them, traffic men ignore them, and heaven protects them.

A DX-er is skill with a chirp, concentration with a cigarette glued to his lip, superstition with a text book, and a fount of Technical know-how with a touch of TVI.

When you are rag-chewing, a DX-er is an Inconsiderate, bothersome, intruding jangle of QRM. When you succumb to working the buddy system with him, his brain turns to jelly, or else he gets his finger stuck on the bug. When you've given up in disgust and turned elsewhere, he'll operate like a demon, tailend like a pro, and come up with seven new ones in exactly twenty-seven minutes flat.

A DX-er is a composite ... he has the memory of a UNIVAC, the shyness of a piledriver, the strategy of halsey, the energy of an atomic bomb, the stealth of a cat, the lungs of a dictator, the audacity of a steel trap, the enthusiasm of a fire cracker, and hasn't been to a movie in years.

He likes twenty meters, coffee, hilltops, winter, high towers, beams, big tetrodes, ten acre farms, the mailman, maps, swivel chairs, propagation charts, women (occasionally), Saturday mornings, band edges, and sun spots. He's not much for rag-chewing, dipoles, kids in the shack, SWL's, low power, Radio inspectors, apartment houses, field day, channel two, novices, or traffic.

Nobody is so early to rise or so late to work.

Nobody else gets such a thrill out of fluttery signals, T7 notes, heavy accents, or one hundred confirmed. Nobody else can cram onto one operating desk a jar of dull pencils, three issues of the Callbook, half a cup of cold coffee, a screw driver, a time zone converter (of dubious accuracy), a log book (badly smudged), the last two years of QST & CQ, an 18 inch line of cigarette burns, a war surplus key, an OO report, 468 blank QSL cards, two full ash trays, a 1945 edition of the antenna handbook, a chrome-plated microphone, and an unpaid \$350.80 bill from the local parts store for two new finals.

A DX-er is a magical creature. Atmospheric can drive him from 10 meters, but it can't keep him from peering under the third layer on 40. You can forbid his 120 foot tower in the back yard but you can't keep him from working DX.

You might as well give up ... you can't get rid of his ear-shattering note on CW, or his punch on SSB a baggy eyed, stubble-chinned tuned to the band being, with a callus on his sending elbow.

But when the advancements of this hectic hobby start getting us down; when the rigors of TVI, transmitter efficiency, key clicks, radiation patterns, BCI, and the neighbours begin making the game not worth the cake; then you'll find that one of these DX-ers will come forth blinking in the unfamiliar sunlight, long enough to share with his unenlightened brethren a scheme, a story, a method, a design, or a system to help us over the technological hurdles modern electronics and jam-packed bands have set before us. And, after planting this 24-carat gem in the unploughed field of the average ham's mind for the good of all, he will peer into the western sky, scratch, sniff the air a few times and know from just the feel of things that this night, of all nights, will be good for DX.

The Montreal amateur radio club is going to operate a station during the Olympic Games right from the stadium with a special call.

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VE3HR is getting very close to qualifying for a Worked All States certificate and hopefully will get it before her year is up. If you want to push your totals up a bit faster, don't be afraid to call some stations that you hear in States that you need.

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The Ontario Swap Net on 5.790MHz at 00.30 every Sunday night has the biggest array of gear for sale on any net I have listened to. It has been going on for over two hours the past few weeks.

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VE3BN/SU is active with the Canadian peace keeping forces in Thailand. If you work him, his VE manager is VE3SS.

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I must apologize for the quality of the printing in the newsletter last month, it was due to a problem with the typewriter ribbon.

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I'd like to have your comments on the following ideas for our Field Day operation. One station to operate on 3U only and one to operate on 3L only. This will ease the pain when it comes to copying the logs.

One will run under 200 watts and be on a generator for the multiplier again.

* * * * *

LONDON (Reuter) - Sunspots-major disturbances on the Sun's surface-may indicate the size of crops on earth, British Scientists report.

A study published on the eve of the United Nations World Food Conference in Rome this week showed a striking coincidence between the frequency of the sunspots and the volume of the World wheat harvest.

Sunspots are a symptom of solar turbulence which appears to wax and wane in an 11-year cycle. It reached maximum activity in 1968 and is now at its minimum.

A group of Scientists at the Government-Financed Appleton Laboratory at Slough, West of here, reported in Nature Magazine that World wheat production soared in 1958 and 1968, roughly coinciding with the top of the sunspot cycle.

Other crops, including root vegetables, also seem to be affected by the solar cycle.

However, some questions are still unanswered.

The Scientists say the sunspot effect appears to be reversed in the Southern Hemisphere, notably in Argentina, Australia and Southern Africa.

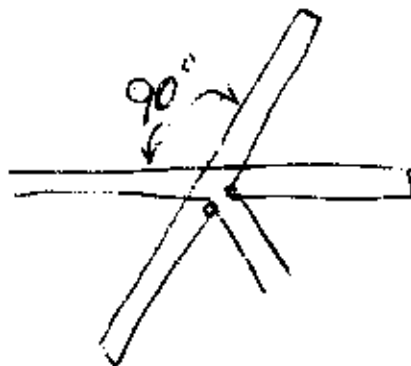
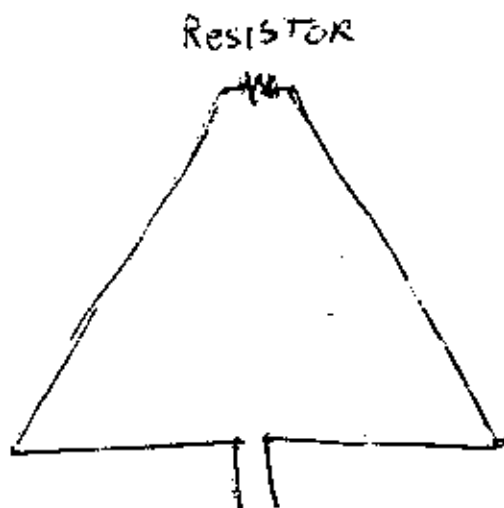
The conclusion, they say, is most certainly that sunspots drastically influence the earth's weather-but just how they do it remains a mystery.

THE DOUBLE DELTA ANTENNA 80 & 40 METERS

On 300 ohm transmission line use 120 ohm R of low wattage for tune up. Use low power.

On 52 ohm transmission line use 50 ohm R and low power on tune up, or find suitable resistor for low SWR. Final resistor should be at least 75 watts. To handle high power, 150 watts RF.

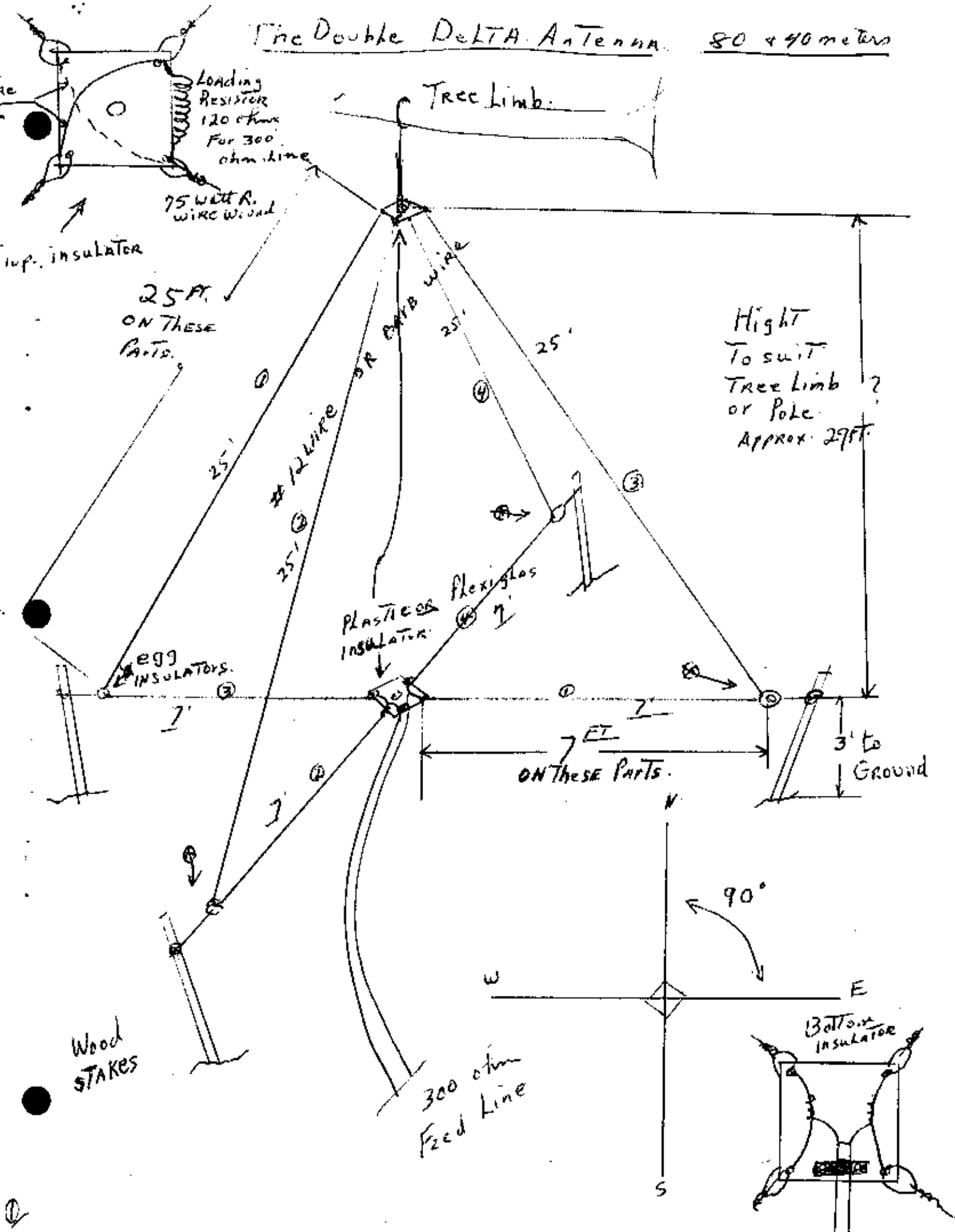
This antenna produces stronger signals OFF $\frac{1}{2}$ to 2-5 units more over ordinary Dipole. Also requires less space in back yard.



The Double Delta antenna is basically a combination of a vertical half Rhombic design. Frequently called a Delta antenna and a Turnstile antenna, made from folded Dipole antennas.

VE3FFN

The Double DELTA Antenna 80 + 40 meters



RE: RULE CHANGES FOR COMMERCIAL FISHERMEN

State of Michigan
General Administration Building
Department of Fishing
Olympia, Michigan 89501

U.S. DEPARTMENT OF FISH AND GAME

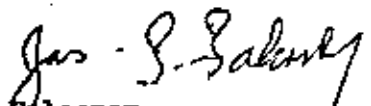
"COHO SALMON EXPERIMENTS IN LAKE MICHIGAN"

The "Coho", not being a native of the Lake Michigan waters, has experienced difficulty in surviving. The female, when going up the Lake Michigan feeder streams, has been losing her roe on the rocky bottoms, and when she got far enough upstream in the small pools and inlets, had great difficulty getting back into the mainstream over the sand bars, etc... In fact, as high as 90% were dying in the upper reaches of the Lake Michigan tributaries, which caused a pollution and odor problem.

The Lake Michigan Department of Fishing decided to crossbreed the "Coho" with the native "Walleye" for two reasons. (1) The "Walleye" had the strength and knowledge to get through the Lake Michigan tributaries and (2) was not prone to lose the roe while going upstream. This new species was named "CoWal". However, in crossbreeding, the fight that the "Coho" was noted for was lost to the more sluggish tendencies of the "Walleye".

To combat this sluggishness, the experiment went further. They bred the "CoWal" with the greatest fresh water fighter in North America, the "Muskie". This created a hybrid, double crossbreed and introduced a Top American Game Fish. They named this hybrid the "Co-Wal-Ski" and they now have to teach the dumb son-of-a-bitch to swim.

Sincerely yours,


J. Falconer
Director of Sport Fishing

JF/lr

On Jan. 25 the Owen Sound Kawanis held their 100 mile snowmobile rally that went from the Sarawaak Roads Dept. Shed and ran to Red Bay where the drivers were given food, drink and gas. From Red Bay they went back to the starting point but by a different route.

We, the Georgian Bay ARC were asked to provide radio coverage for the different check points. This could have been planned for and done easily done but we were only given a few days notice about the rally and only a few hours notice where we should have our mobiles set up. It wasn't until the morning of the rally that we were notified that we were to offer our services.

On the morning of Saturday the twenty-fifth Terry, VE3CAB, Jim, VE3CRV, Dick, VE3BIS, and myself agreed that we should offer our services and to do the best as possible. Within 15 mins. the wheels started rolling, Dick phoned Jorgan, VE5HW/3, and I phoned Ian, VE3HIP, Jim, VE3HIZ and Ian Sutherland and the all offered to help out for the cause.

Terry had a friend of his with him, Paul, VE3GVY, who would operate with Ian Sutherland from his car. I don't know if it was by luck that Jim, VE3HKV showed up at Vamplew's store. This gave us a total of six mobiles and two bases.

I was base at the starting point and everyone else went to there different check points except Jim 'HIZ who developed rig problems but this was cleared up in no time by the one and only Jim Vamplew.

Jorgan was set up at Red Bay but since communications between him and Owen Sound were impossible Dick had to relay any messages as he could reach Jorgan on simplex.

Bill, VE3EFX, and Harvey, VE3FOT, offered to act as a base station but they were not needed as Dick was doing a great job in that department.

Everything was fine except for a little loneliness and hunger from some of the guys out in the cars, but this was all cleared up when Dick opened a bottle of beer over the radio, this brought everybody to tears.

Things went smooth from here on in except that mother nature does not like these sort of things and she did her best to ruin it. It became warm and rained all day making the snowmobilers very upset and alot of them dropped out. This rain caused a few of our members to become upset as they got themselves wet and this dampened their spirits. We had a problem with people dropping out between check points, we would go looking for them thinking that they may have had an accident or some problem with their machine but the truth of the matter was that they had become down hearted and had decided to quit and go home.

All in all I think we did a good job and could do better next year when we will have more time to prepare and plan for the rally.

I would like to thank all those who participated and to those who offered their services, they all did a great job and I think we all had a good time.

Having to set up for this in such a short time I think that this proves that in an emergency we could set a team to help someone with communications and do a good job of it. This will also prepare us for the car rally in the spring.

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We now have the 1975 Callbooks, U.S. and Foreign, so if any one needs a QRA just call VE3HIR or VE3EFX on the repeater. All those who got their tickets last year are in the callbook so you should have no trouble getting QSL cards.

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Thanks to Rick, VE3HIO, for the writeup on the snowmobile marathon.

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