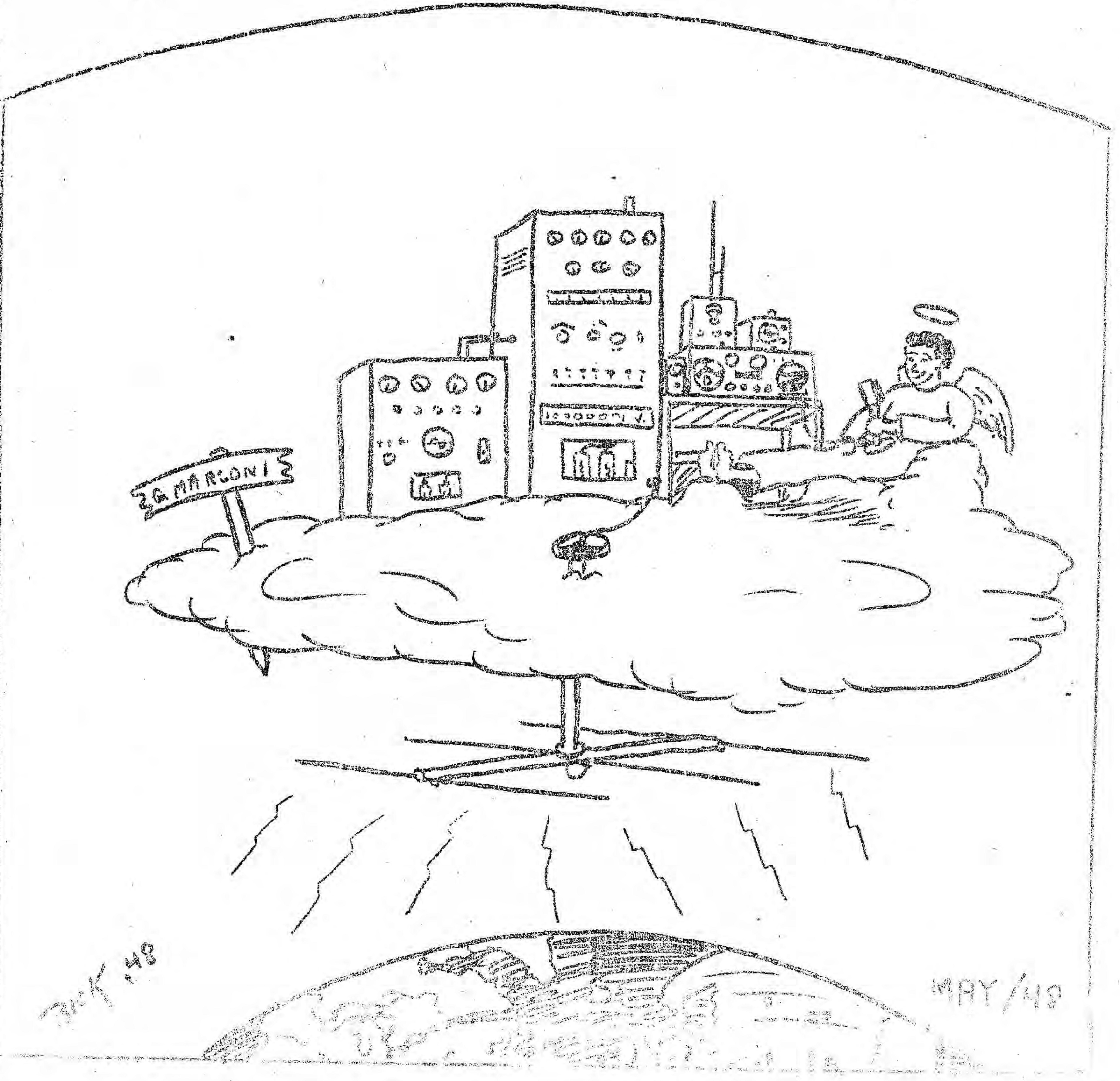


DAH-DIT-DAY

THE SCARBORO AMATEUR RADIO CLUB



TRICK 48

MAY/48

THE EDITOR'S QSO

by Dick Roberts B.E.R.S. 712.

EDITOR.

Hi.Gang.

Once again the time has passed and here we are with our little spot of news for you. Each issue we seem to get stronger and we also seem able to progress and present a little better paper to you. This month we introduce three new staff members, Al Wilson (TECH CORNER), HART Langstaff (NOTES & NONSENSE) and last but not the least BERT BICKLETON Junior ARTIST. Welcome Gentlemen to the Staff of our paper and we know that you will do a grand job in each Department.

The addition of a full page photo by the Freelance Photographers is a welcome one and seems to give the Paper a lift. Additional copies are available to members FREE. See the Editor in this regard. Future editions will carry from time to time Photos of club activities ~~and various~~ and various news shots of members and their RIGS.

Our congratulations to the property Committee in their report of the new club property. The news that the club are moving to STOP 14 Kingston Rd is indicative that the report was a good one. Special mention this month is to a future Ham and a gentlemen that has all the qualifications of a regular guy, BARNEY COLLECK. Thanks Barney, the new Quarters are swell. We wish you luck in your try for your ticket in the near future.

Well boys thats it for this month,

Best DX & 73

THE PRESIDENTS MESSAGE

May 1948.

HELLO BOYS,

First of all I want to thank those of you who were able to travel to Hamilton to attend the meeting of the Hamilton Amateur Radio Club. I know that it was very short notice, but it was well worth the effort, and I think that you will agree with me there.

On May the 11th, we will open our new Club Rooms at Stop 14, Kingston Road, in the building of Mr. Colleck's (Drug Store), just west of the stop light. On this evening the gang, and I do mean GANG, are coming from Hamilton to pay us a return visit. I hope that all the Members of the Scarborough Amateur Radio Club will be in attendance 100%. Please make a real effort to be in attendance, this meeting will be one of the outstanding meetings of the year, and a record attendance is requested. It is expected that refreshments will be served in the new Club rooms at a later date.

Please phone or write any member that you know and advise him of the opening of the new quarters, and also the time and date. Don't forget that the Boys from the Ambitious City will be there.

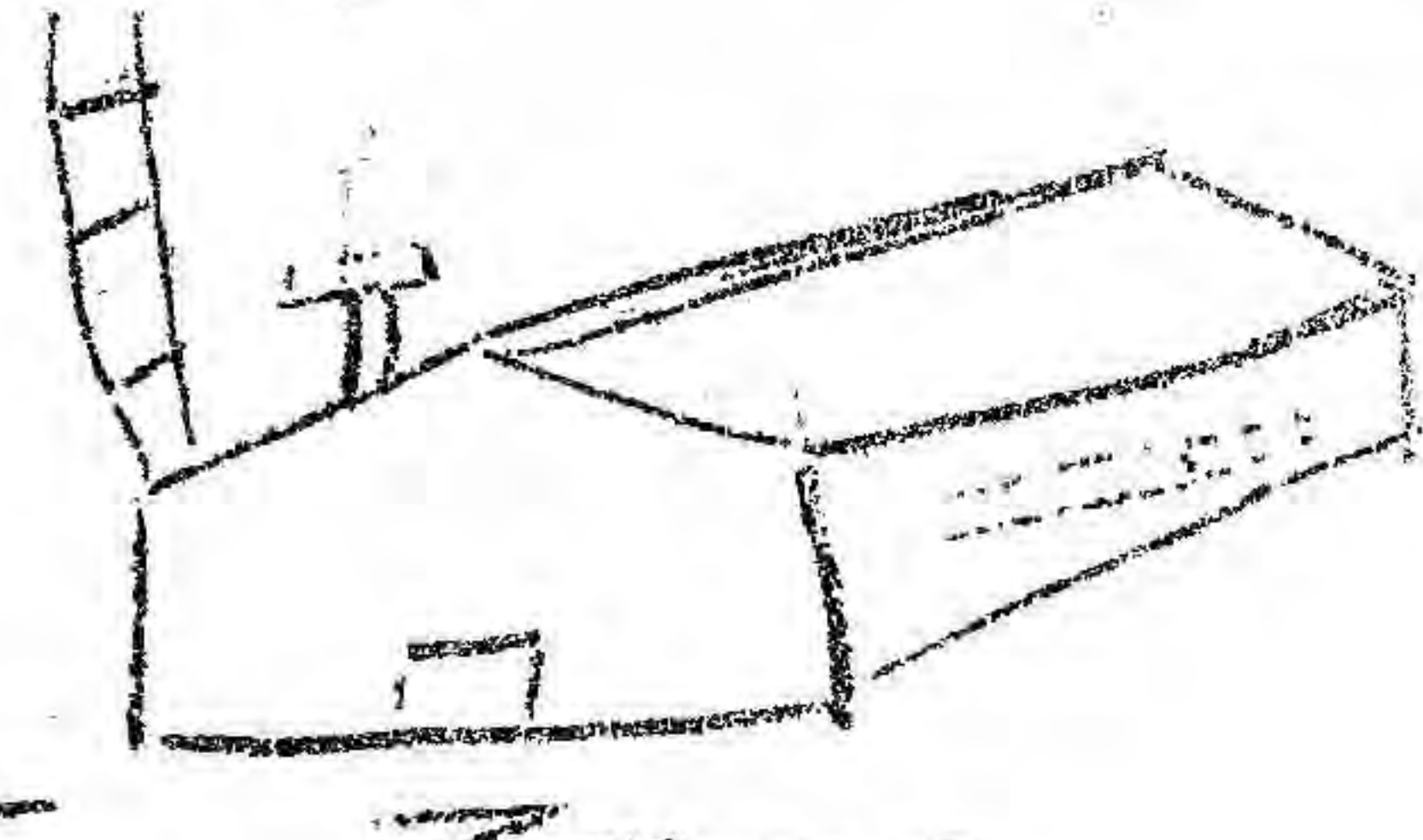
Cheerio Boys,

JACK TURNER VE3NZ.

President - Scarborough Amateur Radio Club.



CLUB NEWS



By LC 344

On Thursday evening the 15th inst The SARC paid a visit to the Hamilton Amateur Club. The meeting was held in the Mc^{Master} University. The guest speaker was Mr. Robinson of the Hammond Co. His topic was "The dipole in the antennae." A party of twelve traveled to the Ambitious City. It is expected that a ~~large~~ large group from the H.A.R.C. will visit the Scarboro Club. in the near future.

Mr. Art Wilkins was the speaker at the meeting of the club on the 12th and his talk on Radar was very interesting. Movies and pictures that were taken during the raising of the tower at VE3AMB's were on display.

Plans are still under way for the AUCTION NITE and this event will be held in the very near future. Watch for the date.

VE3RU is still champion at taking home Door prizes. This time it was a Jones Handbook from the Hamilton Radio Club upon the visit of the club to their meeting this month.

Your comments on the photograph in this issue would be appreciated.

Your EDITOR and Hart Langstaffe opened the fishing season at the Black River last Sunday. Fifty or so large size perch were the results and that's not a fish story. Al Clarke and his party were also up there.

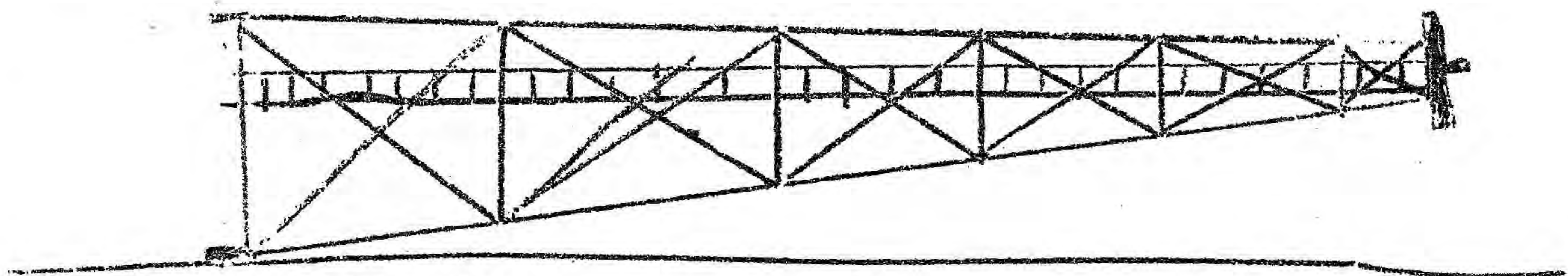
Bert Bickerton VE3RU has had over 234 contacts with VE5A₁. (now VE5CD) Congratulations to Ethel and Bert for this fine achievement. Keep it up.

That ESQUIRE CALENDAR sure is a dandy. We now have one on the walls of our shack.

It was nice to see Tommy MacDougal back at the club again. Glad that you got over old man Pe-monia Tommy.

A membership list is included in this issue for your information and good use.





WILSONS FOLLY

by Staff Writer

One day a few months ago Al Wilson had an idea that he would like a little larger and a little higher tower than he had at that time. Time as usual passed on and on Saturday 3rd of April in the early hours of the morn a group of the members of the SCARBORO RADIO CLUB meet at a farm at Eglington and Pharmacy aves. On this farm was the monster that was to be transported from there to the property of one Mr. Wilson. Trucks, Cars, and busses transported the work party to the area and it looked like the invasion of Canada had begun. Many hands and a Gin pole were put to good use and the fifty foot steel water tower lay on the ground. After lunch the whole CLUB were on hand to help transport the THING to the ~~new~~ home of its owner. A tow truck, a trailer, and lots of brawn soon had the tower on its weary way. Down hill and dale, round corners and across railroads and Highways it was a sight to behold. Five cars and a tow truck were the convoy. Several members were detailed to act as M.P.'S and held traffic at all the intersections, while others walked beside the tower to be sure that it did not tip off the Trailer.

The next day was bright and clear although it was a trifle chilly and once again the club turned out for the raising of the OGOPOGO in Wilsons back yard. The Gin pole was in evidence again and after a great deal of hard work by all the time had arrived for the party to hold ~~there~~ their breaths. Would it go up? would it go sideways? Would it break in two? Would it? All the boys in their allotted places and the women and Kids in a safe place the signal was given and ever so slowly the Tower began



to move. Very slowly the Navy boys at the winch on the Gin pole turned away and the Air Force lads at the top of the tower pushed and shoved while the Army and what nots held the base of the tower from slipping. While every one was doing his utmost either heaving or straining someone decided to look up at the tower and there she was in place. "At last" sighed Wilson. After reading the above few lines you might think that the dismantling and the moving and erection of a fifty foot tower is a cinch. Not by a long shot it is. If any of you have ideas of putting one up, before you do see Al Wilson.

Chatting with Al after the Tower was up he expressed a desire to thank the entire club for their grand efforts and he hopes that they did not suffer to much discomfort during the weekend.

EDITORS REMARKS . The spirit of Ham radio is indeed prevelant in the Scarborough Amateur Radio Club. To see the entire club go to the aid of a fellow member who required help is truly the spirit of the great fraternity that we are part of. To the ladies who gave their time and effort to help Babs in the chores of providing for the hungry and? thirsty mob, we take off our hats. From Al and Babs' our sincere thanks to all!"

(30)

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Tuesday, March 30, 1948 - How come 3AKB only allows his XYL only "tuppence ha'penny" for her hat pins, so she tells her ZL friend. Don't answer this AI if it is too embarrassing.

The writer uses a 4 tube regenerative receiver called the "Old Stand by" by QST. It seems to this dumb listener that it appears to have plenty of Audio gain, but very poor on selectivity so that when 3AIW, 3AFE, 3AKN, 3VK, or 3ZH (incidentally what the hell power is he running) very little of the 10 meter band is left clear. So after inquiring around about stages of RF or converters we heard a good report of the "Weak-Signal Converter for 28 megs (Nov.47 QST) being used ahead of a set similar to the one used here. First step was to borrow the Nov.47 QST, good old 3NZ came to the rescue as usual. At first glance at circuit, too complicated for this lame brain, so after a dozen glances and trying to visualize each part and still wondering whether we could connect a 6J6 tube without putting the high voltage where the heater filament should be, we decided to start.

One week, off and on, we spent laying out and drilling and tapping even with the use of a power drill press. Two nights wiring, checking and double checking every wire (would bet money that everything was O.K. but still thinking would be a miracle if it works).

At last the crucial moment had arrived, "the test". Feverishly we try our best to find 6.8 or 7 megs on the receiver and connect our converter to the heater and high voltage, Eureka! the 6J6 lights up and doesn't blow up and the VR 105 glows nicely. After twisting the dial and turning about 40 condensers we found that the same signal that the set was tuned to came through. After twisting and turning for about one hour we decided to question our good professor friend 3NZ. So we transport our queer looking gadget over and explain our troubles. The "Prof." took one glance at it and looked at us and shook his head and asked why we hadn't connected the high voltage from the VR tube to the IF coil. So we hung our head and dashed back and made the connection. Lo and behold all kinds of CW signals came through (writer cannot read CW) but could not tell what frequency they were. After twisting and turning for another 2 nights, we at last found a band. Eureka! we hear all kinds of W's. At last we hear VE3NO, so it must be 10 meters. But the band spread seems very small, so we adjust the trimmer but cannot seem to spread it out anymore. Suddenly we hear 3NO saying that he went up on 20 meters on Saturday. (We wish he would stay on one band when we are checking). So we sit back and wonder what the hell could be wrong when a 28 meg. converter will tune in on 20 meters. So after inquiring among our intellectual friends, we find we must pare our coils (after having such nice looking coils all wound).

After 2 more nights of trimming coils, unsoldering and re-soldering, we at last found 10 meters and good old 3AIW was on which gave us a chance to keep in the band and still try to tune up by adjusting the 40 odd condensers, one at a time.

At time of writing, we are well satisfied with results except that there is too much band spread, we will probably overcome this by adjustments. It has good gain and better selectivity. The following are a few prefixes heard during the tuning up periods:

KZ5 - G4 - G3 - W7 - KE - W6 - G6 - GW2 - W5 - G5 - G2 - VE6 - KE2 - KZ5 - KP4 -  
LUS - D4 - VP5

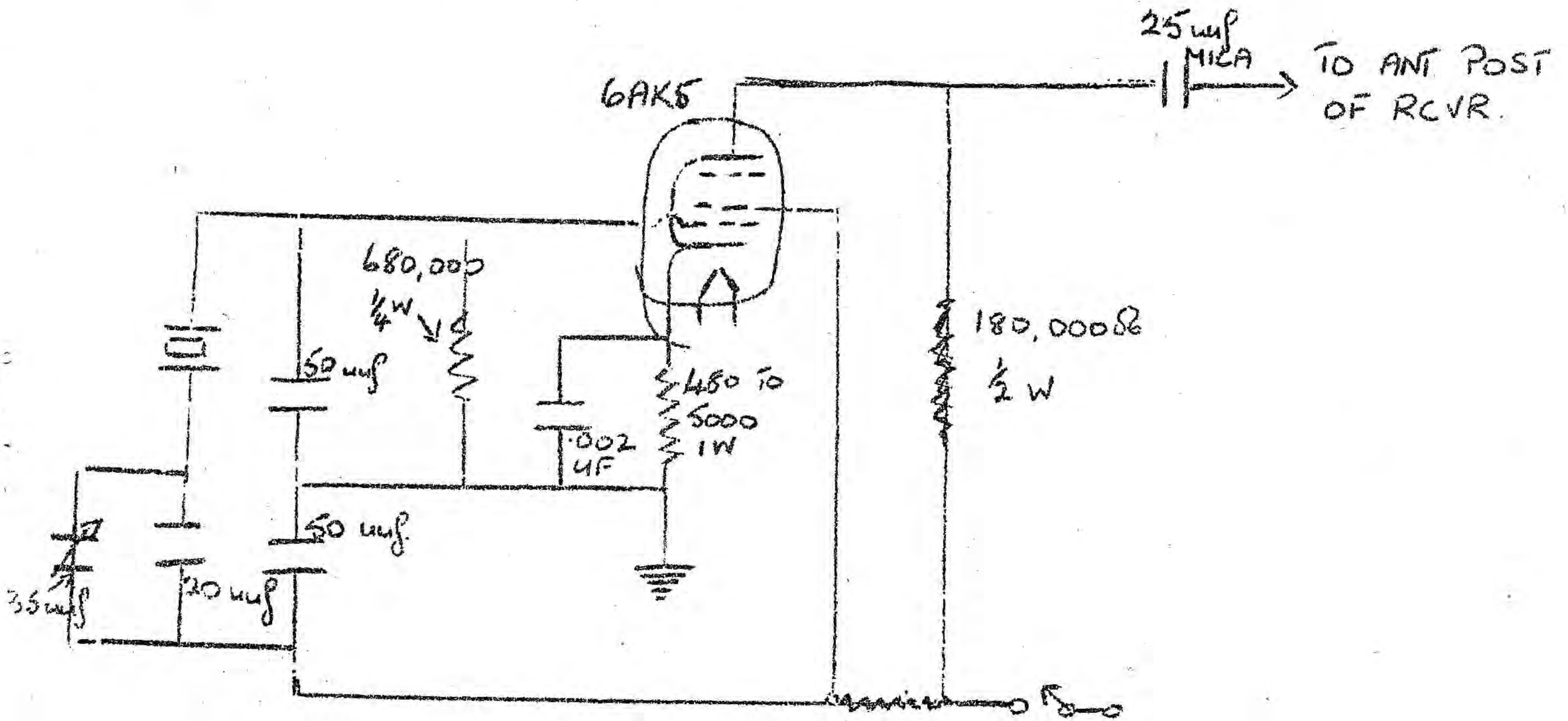


3AMB  
3BEX

# THE TECH CORNER



Hello Gang! If your technician is a little stereotyped this month you must forgive him as he has been very busy on a project of his own - i.e. One tower and all it's accessories. There will be more dope on the converter at the next meeting.



## 100 KC RECEIVER FREQUENCY STANDARD

The only values that might be at all critical are the tuning capacities in series with the crystal. The 50-uF capacitors between grid and ground and screen and ground should be of the ceramic dielectric type for best results.

A 25-uF capacitor connected between the plate and the antenna binding post of the receiver provides ample output to produce an  $\mu$ 8 signal in the receiver at 28 mc, without the use of any auxiliary frequency multiplying devices. If the signal is too strong in the receiver, the level of the harmonics of the oscillator may be reduced by replacing the 180,000-ohm plate resistor with a resistor of a lower value, or by reducing the coupling to the antenna of the receiver.

Dear Gang, A million thanks for all ur help on Tower.

Al Wilson. 3AMB.



### SUNSPOTS DECLINE RADIO BANDS FEWER

Fewer sudden storms in the ionosphere that for a few hours completely knock out all communications, and also fewer violent storms that black all paths for many hours may be expected during the next six or seven years. But the band of usable radio frequencies for world-wide communication will become ever narrower during this period and from this, trouble may arise. These trends are foreseen because the peak of sunspot activity, associated with shortwave radio disturbances, was reached last summer.

As activity on the sun decreases, the ionosphere also becomes less densely ionized so that it will not reflect the higher radio frequencies back to the earth, the National Bureau of Standards states.

The first effects of sunspot decline will probably be felt on the 50 megacycle amateur band. Within a few months communication on this frequency will no longer be dependable for distances much greater than 75 miles.

The overall effect will be to jam all radio communication into an ever narrowing band of frequencies for world-wide communication. From a usable frequency back whose upper limit is now around 50 megacycles, it will narrow down, at sunspot maximum, to an upper limit of approximately 20 megacycles for continent to continent transmission.

This narrower band makes it possible for relatively slight disturbances to be more disastrous than at sunspot maximum when the usable range of frequencies is larger. At sunspot minimum, a minor storm in the ionosphere may effectively crowd out all usable frequencies. At maximum, it takes a violent storm to completely disrupt communications.

During the last year or so there have been both more spots on the sun and some of the largest sunspot groups of all time. The three largest groups ever photographed appeared in February and July 1946, and in March-April, 1947.

The above excerpt was taken from the Toronto Evening Telegram, April 19, 1948.