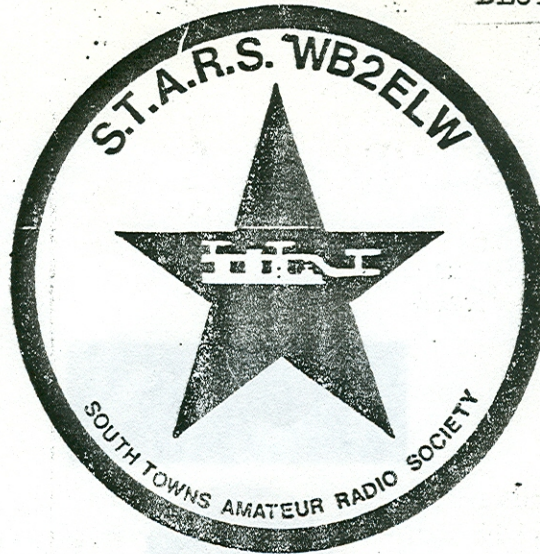


**TELSTAR**

KB2EQV  
 STEVE YEKICH  
 716-825-8049



BUSINESS MEETING DECEMBER 7th AT THE YOUTH CENTER  
 BOARD MEETING DECEMBER 28th AT THE YOUTH CENTER

We will be having our annual December Christmas meeting at the Youth Center, so bring some goodies along with you to the meeting. I will post all new election results in the next telstar.

By now most of you know that Mac WB2HCT went silent key on July 26 1989

While Mac was still in the hospital I ask him what he wanted me to do with the Heathkit HW 8 that I was repairing for him, he wanted it given to STARS. Mac had hoped that it would come to good use in helping someone get started in the hobby that he loved so much.

I contacted John KA2RFT and told him about the radio, and he suggested that we use it to help Randy KA2RFB with his ham radio class at the Hamburg Jr. high school.

With the help of KA2RFT, Sam W2PGB and others the rig was put back into shape and on October 5 it was donated to the club, to set up the wb2hct memorial station.

I would like to think that this is what Mac would have wanted and that he would approve.

In closing I would like to say that "Mac" is going to be missed by all that knew him from his quick wit to that ever present sparkle in his voice to sticking me with the check at the coffee shop.

73's GARY KB2YJ

FOR SALE  
 KENWOOD TS-520S WITH MC-50 mike . \$400. firm Gary 542-6362



The Prez Sez

It's been a while since I've written an article for the Telstar but my personal life has been quite busy lately with relocating, working, traveling, etc. Below are a few paragraphs of thoughts I've had recently that I thought should be made public:

Where do your dues go ?

Just incase you are unaware of where your dues money goes each year, I have listed below a tally of STARS expenses on a per year basis. The expenses are based on an annual membership of 90 people, which seems to be about the number we usually have by mid year. Please note that the only time increased membership causes increased expenses is for the Telstar processing and mailing. (Or said inversely; The only place less members mean lower expense is for the Telstar processing.)

Telstar mailing, labels, and paper (.30 x 90 members x 12 mos)	= \$324.00
Hazard and Liability Insurance	= \$370.00
Repeater Phone Bill (\$34.00 per Mos x 12 mos)	= \$408.00
Annual Donation for Youth Center Use	= \$100.00
Sunshine Club Donations (Avg. of 3 per year)	= \$ 75.00
Operating Expenses ( 50/50 tickets, receipt books, misc. postage)	= \$ 50.00
<b>TOTAL EXPENSES</b>	<b>=&gt; \$1327.00</b>
Annual Dues Receipts (90 x \$15.00)	= \$1350.00
50/50 Raffle Receipts (Avg. \$13 x 10 meetings)	= \$130.00
<b>TOTAL RECEIPTS</b>	<b>=&gt; \$1480.00</b>
<b>TOTAL BUDGET SURPLUS :::::)</b>	<b>\$ 153.00</b>

Not a lot of mad money for antenna projects, new coax, repeater parts, etc. Previously, our big yearly money was Ham-O-Rama which is now defunct. We will soon have to consider a means of adding to our budget.

If you have a money making scheme and/or (here comes the biggie) you would be willing to chair a committee to improve STARS' Budget Situation, let the board know.

**DUES:** Remember, Dues are due, for 1990, as of January 1st. Repeater codes will, as usual, will be changed at midnight on December 31. Paying your dues in November or December will assure you that new repeater codes will be in your hands in time for the change. New codes will be available at the December 7th Meeting.

**SWAP NETS:** Have you ever wanted to buy something for your shack during the "NO-HAMFEST" Season? How about a swap net on the STARS Repeater? Admittedly, a previous attempt to operate a "swap net" on our repeater was stopped by some of our board members due to the nature of the items being sold, the circumstances under which it was run, and the illegality under FCC Regulations. Well,,, along with recent modifications to the FCC Regulations came legalization of Swap Nets For HAM GEAR. What a great way to increase STARS' exposure in Western New York. If you think this idea has any merit, bring it up at the next meeting and let's see how the club feels.

We are in a new room at the Youth Center. It's smaller, has better lighting, and is more comfortable. It even has Cable TV.

Bill N2GAD



## GOSSIP COLUMN

Well first is the congratulations to the new officers for the up-coming 1990 year. I am sure they will get full cooperation of all the members so that our club will benefit from their efforts and make it more pleasant for the members.

How many of you took the time to read the nice article that Bob WA2IQX submitted on iambic CW keying, it is very interesting and shows how Hams develop new ways to make for better operating. But remember progress never stands still what with all the new state of the art it was not long ago someone developed a keyboard to send CW. Now remember this is only a unit for CW, RT & AMTOR & is not a computer. It uses a standard typewriter keyboard with some additions for better & faster sending with less effort. Take for instance CQ DX DE WB2EZU K it takes 42 motions with a straight key, but only 11, yes 11 strokes with a keyboard. Not only that but you can set the sending speed to speed you desire, & all the letters & spacing are even. (P.S it does not correct spelling HEE, HEE) Not only this, it can be hooked up to a monitor screen for display of incoming signals. The only thing wrong is with sloppy sending of the other operator. The copy isn't perfect. If anyone is interested in seeing a unit like this operate just let me know & I will set up and demonstrate it for you.

How many of you patronize the 2 nets that the club operates weekly, one 80 meters and one on 2 meters. The time and dates plus frequencies are published every once in a while in the club paper. By the way all the nets need more net control operators. You don't have to do it every week, if there are 3 for each net taking turns it sure would make it easier on the regulars that have been holding down the fort for the past years. Let your wishes be known to the net control ops & make a schedule to take over once in a while.

At this time let us review the 1989 year, which was good for the club, what with Skywarn, bike-a-thon, field day, over haul of the equipment at the Nike base, donations of radio equipment to the Hamburg Jr high school, participation in the VE program, presentation of a plaque to one of the members for outstanding devotion to the club over the years, & last but not least, the standard working 2 meter committee that was successful in keeping the repeater tip top shape thru the year. But remember STARS will not rest on its laurels I am sure 1990 will also be a banner year.

Now I would like to wish all the members and their families a Very Merry Christmas and a Happy New Year & every member get a stocking full of R.F. goodies from Santa Claus.

See you Dec 7th  
Guz WB2EZU

## VE REPORT

STARS will hold a VE test session on April 11, 1990 at the Hamburg JR. High School in rooms 117/119. 360 Division St. Hamburg N.Y. 7-10 pm. Contact Matt Gorski NS2M for details (683-1720)

The Lancaster Club will hold VE test sessions on Dec. 13, Jan 17, Feb 17 and Mar 21. from 7-10pm in room 107 at the Aurora Middle School, 148 Aurora st. Lancaster. NY. Tech - Extra exams will be given. There will be no walk-ins & the deadline for registration is 1 week before each session. Please send your 610 form, a copy of your license & a check for \$4.75 made out to ARRL/VEC. (The fee may increase in 1990)

TO: Matt Gorski NS2M  
6117 Broadway  
Lancaster NY 14086

Dick Haungs W2UJR  
VE Liaison



C.R. "Mac" McCORMACK - WB2HCT

It is with sadness that we report that "Mac" WB2HCT of Lawtons, NY is a recent "Silent Key". Mac was one of only two hams that held a life membership in the "Northern Chautauqua Amateur Radio Club". Also, he was one of the Erie County hams that was a member of the Chautauqua County "Radio Amateur Civil Emergency Service" and checked into the net as Unit 414.

Mac was co-founder with John "Tiny" Bracken, WA2AEZ of the "Gassers Net" which met daily on 75 and 160 meters. This was a very well known net on 75 having been active for twenty-five years. Mac was active over the years on 10 through 160 meters as well as on 2 and 6 meters. His operating activities encompassed CW, phone, and RITTY operations, he especially enjoyed CW.

Many years ago I phonetically referred to his call as "High County Taxes" and he got quite a kick out of it. He told many of his fellow hams that with the ever increasing taxes

the phonetics had some real meaning. Mac worked for the Gas Company throughout most of his working life which obviously had a great deal to do with the title of his net. In the years prior to his retirement he was an operator in the Gas Company Booster/Distribution stations in the Gowanda Area.

In addition to amateur radio his hobbies included camping and for many years in the summer WB2HCT portable was heard on the air from "Amity Hill" campground near Leon, NY where he and his family enjoyed the "Good Life" in their travel trailer. Mac was also an avid golfer and managed to get out on the Links three to four times a week in nice weather. I am quite sure that on more than one occasion he managed to operate golf cart mobile on 2 meters. That's what you call combining your hobbies and enjoying them to the fullest.

Many of us go back a long way in our association and friendship with WB2HCT and it made for some great QSO's and some very happy memories in amateur radio. GOD bless you Mac, you were a class act and while you are showing St. Peter how to improve his golf swing, give him a QSP "Hello" from the old "Gassers Net".

Frank Kiley W2OKS

CONSTITUTION CONT.....

- (I) Adjournment
- (J) Refreshments
- (K) Guest Speaker or other programs
- (L) Robert's Revised Rules of order will govern all proceedings.
- (M) It shall be the responsibility of the secretary to give notice to all members as to the date, time and place for all regular and special meetings.

- 4) All club checks shall be signed by the President or the treasurer of the club.
- 5) HOUSE RULES: Order and cleanliness of the club house or meeting room is the personal responsibility of each member.
- 6) All personal property and investments made on a loan type basis and all club purchased property shall be liquidated and given to a non-profit organization.

ARTICLE IX: EXPULSION

1. Expulsion- A member of the STARS may be subject to expulsion from the club for the following reasons:

- A. Operating an Amateur Radio Station in a manner that is in violation of the rules and regulations of the FCC.
- B. Giving or revealing repeater touch tone codes to one not a member in good standing of STARS.
- C. Removing or unauthorized use of club equipment without prior consent of the board of directors.
- D. Willfully damaging club property.
- E. Stealing funds or equipment from the club.
- F. Revealing to persons not members of STARS remarks made at a meeting or disclosing a vote against a candidate for membership or any business of the club.
- G. Appearing at a meeting or any club function in a state of intoxication.
- H. Conduct unbecoming a member as to bring disgrace to the STARS organization as decided by the Officers and Board of Directors.

2: ACTION TO BE TAKEN: Any member who is in violation of this article, and upon recommendation of the Officers and Board of Directors, will be removed from membership in the South Towns Amateur Radio Society upon a majority vote of members in attendance at a regular meeting of the South Towns Amateur Radio Society.



Autodial Slot Numbers

Below is an up to date list of all autodial numbers assigned to club members. Only the first three numbers of each phone number are listed for privacy. If you have forgotten which autodial slots you have been given, now is the time to write them down. If you are in need of a second autodial number or a change in the current autodial number, give me a call and I'll make the change. I encourage all members with autodial slots to try their numbers. I have completely reprogrammed the RAM Chip in the repeater twice since and may have screwed up a number or two. If you find that an incorrect number has been programmed into your slot, I'll be glad to correct it.

B111 N2GAO

STARS Autodial List 11/19/89

Slot #	Call	Phone #
10	N2GAO	668
11	N2GAO	836
12	K2RDD	684
13	K2RDD	683
14	K2ZUV	674
15	K2ZUV	
16	WA2KTY	683
17	WA2KTY	
18	N2FMM	992
19	N2FMM	649
20	KA2RFT	648
21	KA2RFT	
22	KD2KK	824
23	KD2KK	827
24	N2IBC	824
25	N2IBC	823
26	KA2GXS	652
27	KA2GXS	
28	NS2M	683
29	NS2M	
30	K2PPK	652
31	K2PPK	941
32	KD2EY	683
33	KD2EY	
34	KB2AMD	652
35	KB2AMD	824
36	K2KVS	627
37	K2KVS	
38	WA2CKG	652
39	WA2CKG	655
40	WG2H	655
41	WG2H	822
42	K2VTK	648
43	K2VTK	
44	N2FTO	634
45	N2FTO	834
46	KA2CFI	877
47	KA2CFI	627
48	KB2EFK	683
49	KB2EFK	683
50	KA2NQG	674
51	KA2NQG	
52	KA2NGI	674
53	KA2NGI	
54	N2IRG	337
55	N2IRC	549
56	N2HPR	649
57	N2HPR	
58	KA2JEX	683
59	KA2JEX	
60	N2BGJ	825
61	N2BGJ	
62	WA2VER	649
63	WA2VER	
64	N2EXL	874
65	N2EXL	
66	WA2HTV	649
67	WA2HTV	
68	KB2ESN	823
69	KB2ESN	823
70	KB2ESM	662
71	KB2ESM	
72	WA3REY	824
73	WA3REY	



**RADIO SOCIETY DONATION** — At its October meeting, the South Towns Amateur Radio Society (STARS), donated ham radio equipment for use at the amateur radio club at Hamburg Junior High School. The equipment was donated in memory of the late Clarence "Mack" McCormach, an amateur radio operator, and became part of a memorial station in his honor, WA2HCT. Randolph Schueler, school photographer, has served as the group's adviser for the past three years. Pictured are, from left: John Leitten, William Wach, Lawrence Shannon, and Schueler. In front is Keith Pelkey, junior high school student. Not pictured are Gary Zanghi and Norman Jones.



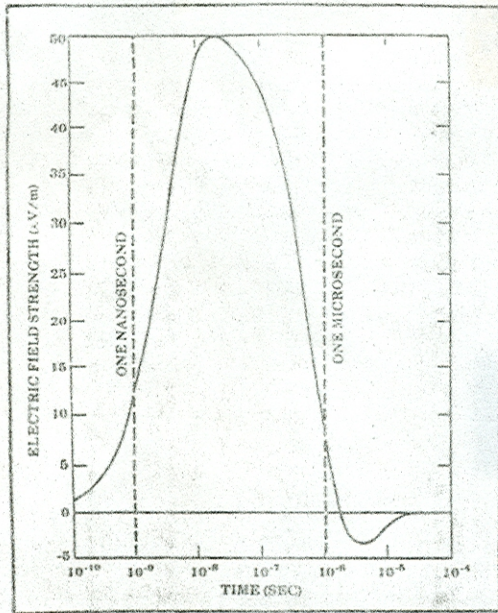


Figure 1. Electric field strength of a typical EMP wave

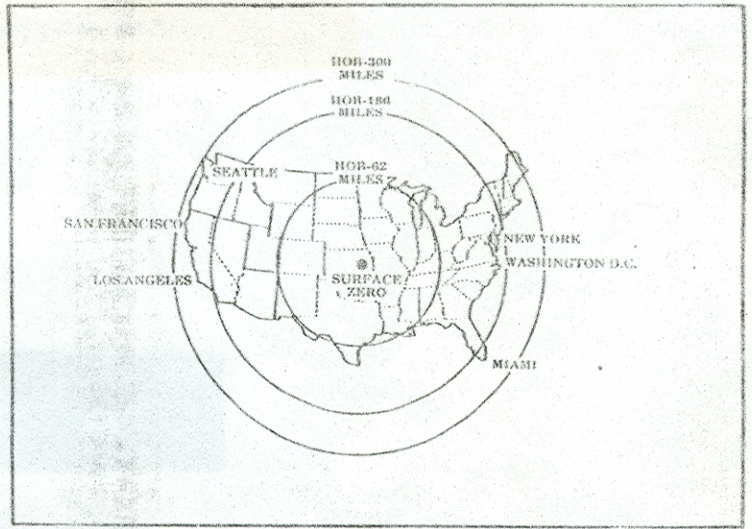


Figure 2. EMP ground coverage for high-altitude nuclear explosions at 62, 186, and 300 miles altitude (10-megaton)

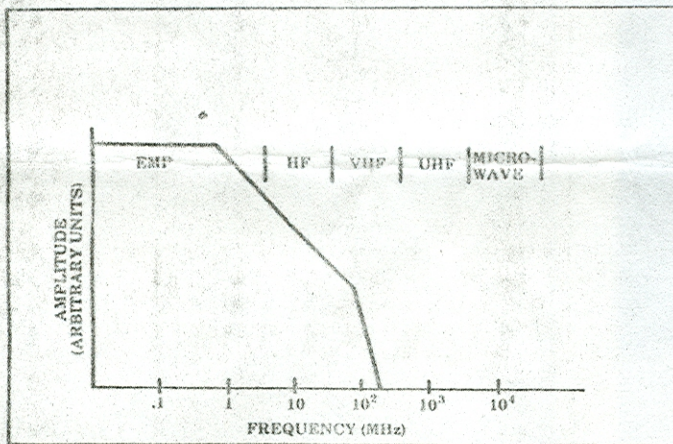


Figure 3. Frequency spectrum of EMP

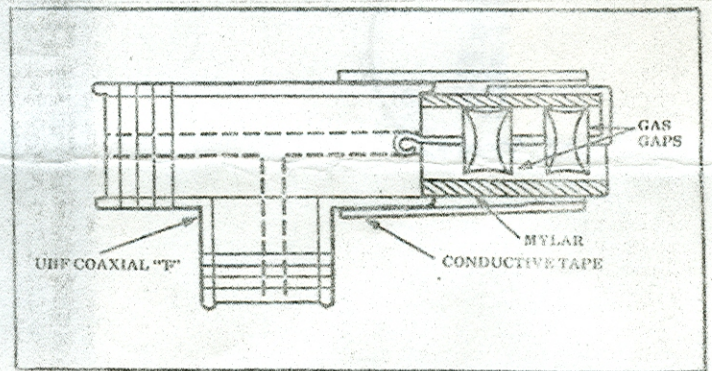


Figure 4. Antenna connection protector

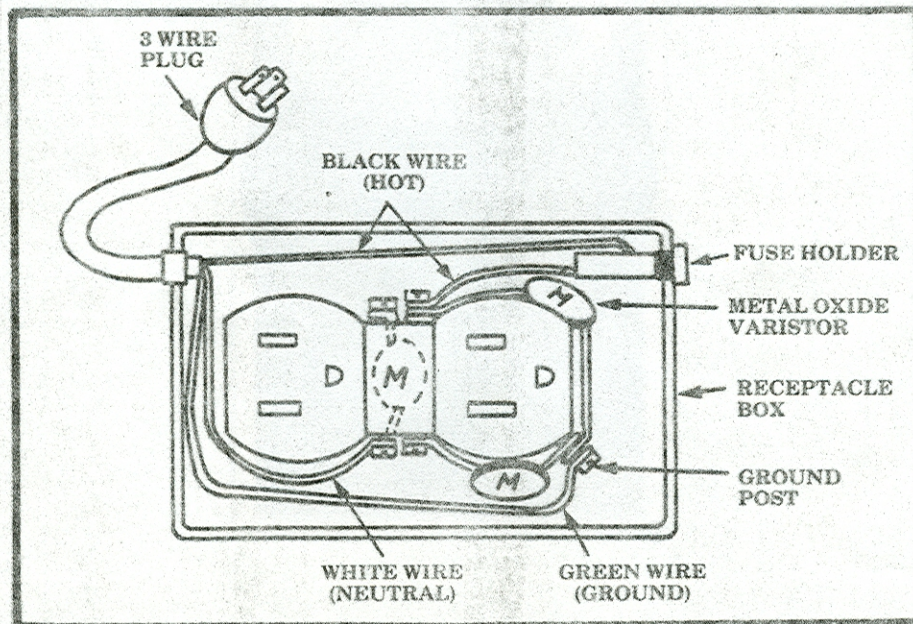


Figure 5. AC power protector