

STARS meet on the first Tuesday of the month at the Hamburg Youth Center except for the months of July and August which will be announced in the summer. Meetings will start at 8:00 PM. STARS holds a net every Saturday Morning at 10:00 AM on 3925 KHZ. All are welcome to check in and find out what is happening in the STARS organization.

"The articles published in the TELSTAR are not necessarily the opinion of the Board of Directors or that of STARS."

Letters to the editor are solicited and encouraged but must be signed. Names and addresses will be withheld if requested. We are in need for articles for the TELSTAR. Any material for the TELSTAR including for sales and trade items or any articles you might have should be sent to: Betty J. Steff KA2MJX 3350 McKinley Pkwy. Blasdell N.Y. 14219.

THE DEADLINE FOR THE TELSTAR IS ON THE THIRD SATURDAY OF EACH MONTH as that gives me some time to put it together.

OFFICERS AND BOARD OF DIRECTORS

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Sunshine Chairmen	Malcolm Vallone WA2VER
Constitution Chairman	Bill Phelps WB2RAV
Club Station Net (75meters)	Guz Guzanski WB2EZU

COMING EVENTS IN 1984

General Meetings (club)	Feb. 2nd. at 8:00 PM Youth Center
Board Meetings	Feb. 28th. at 7:30 PM at Betty Steff
STARS net (75 Meters)	Each Saturday at 10:00 AM 3925 KHZ
Club Gen Info. Net (2 Mtrs.)	Every Wed. at 7:00 PM
Code Practice (2 Mtrs.)	Every Tuesday at 7:00 PM

THE PREZ SEZS

The new year is less than a month old and strange things are happening. Club Members are coming forth with welcome ideas and comments about club activities and functions. All of these items shall be looked into for possible usage for the betterment of the STARS club. The only way that things can change is if we know your comments and ideas. If you would like to see them in print, send them to Betty Steff, the Telstar Editor.

Five STARS members were at the Ham-O-Rama meeting on Thursday-1/19. Bill Martin will have a report for the February club-meeting. Ham-O-Rama 1984 will be September 7th & 8th. The theme for this year is Computer Concept and Amateur Radio. If you are a computer enthusiast and would like a table at the hamfest for demonstrations purposes only, let your delegate know.

We would like to thank Jim Kile WB2PID, ARRL Erie County Emergency Coordinator for the excellent program he gave us at the last club meeting.

There are 2 ham auctions coming up soon. The Lockport Auction will be January 28th and the BARRA Auction on February 20. The information is listed elsewhere in the TELSTAR. Good chance to circulate some of that green stuff that is left over after paying the holiday bills.

Four volunteers have offered their services to check out the 2-mtr repeater as soon as weather permits. Dick - KC2EL, Craig - WA2PCH, Dave - N2DEA & Chuck - KC2SG.

Belmont Bill - WA2JHD, who usually checks in the Saturday AM 75 Meter Net, will be out on Cuba Lake ice on February 25 & 26 with his area boy scouts. He will have his ham radio set up and would like to make as many QSO's as possible with the Scouts at the microphone. He will tell us the frequencies on the Sat. net in the near future.

The new Emmission Designations for the type of mode for your logs will be repeated in the next issue of Telstar.

The January and February Board of Directors meetings will be held at Paul & Betty Steff's QTH. It will not be held at the Hamburg Youth Center. If you plan on attending either meeting, please call Betty and let her know.

I understand that the Telstar is a long one this issue. Something to read these long and cold evenings. Spring is just around the corner. I imagine that everyone is working out on paper or in their mind, just how that new antenna is going to go up.

We will have shorter business meetings..... Get Involved...

Chow.....

⌘ Tony WA2ZFU

ADVERTISEMENT

Amateur Radio Sales and Service by W2YJ. All type Amateur rigs repaired by expert 1st. class commercial licensee.
TMX Dick KC2EL

FOR SALE

Icom IC-30A, 450 FM, 10 Watts, W/GLB Channelizer, TT mike & 10 channel scanner built in \$225.00.
Midland 18-510, 2M FM, 25 Watts W/built in AED scanner, & Drake encoder mike \$200.00.
Tempo S1T, 2M FM HT, W/TT pad, 2 Ants, mobile & base chargers, W/full service manuals \$120.00.
Motorola Motrac 2M FM 100 watt mobile W. GLB channelizer, TT pad & spare finals \$75.00.
Comtronix 10M FM-80, 80 channels - 10 watts, W/50 watt amp. \$200.00.
Sears 10M AM/SSB conversion W/manuals \$25.00.
All above is in service & working. Price is negotiable. Seeking Santec-ST144 up HT. Denis N2HF. eve. 873-6073 or morn. on the WA2HKS 450 MHz rpt. r.

Icom 255 144-148 Cliff KA2DBD Callbook address or (315)986-4587.

Kenwood power supply-KPS12- new in box \$75.00.
Mustler UHF base ant.-60DB \$75.00.
Ken K2YKE 834-4083.

IC2AT W/manual \$100.00 Kenwood power supply KPS-7 W/manual \$60.00 Dave WB2OUQ on simplex 145.54.

Converted realistic HT 28.965 MHz AM inc. nicads, rubber duckie, case & charger \$60.00. Trionyx 2.3 GHz down converter W.P.S. & ant. \$60.00 Howard K2UD 873-8420.

Kenwood TS99D xmtr. \$225.00 Kenwood 599D \$225.00 as package \$450.00. SB200 1in. amp (10m) \$225.00 W/spare set of 572B finals \$250.00 Bill WB2RAV 832-7006 after 4PM.

Heath TX1 apache TR relay Charlie WA2ZY0 877-8646 after 4PM.

Complete RPTY station-(1) info tech M300 keyboard-(2) m:200 demod- (3) 9" res Monitor. Yaesu CPU 2500 R 2M W/PS mod., FR12 & key pad mile- all in good cond. Bill W2GSL 676-3339.

Hammerlund HQ170 rec. 10-160 mtrs W/speaker. Hallicrafters HT37 xmtr, new finals, both for \$250.00 Bill W2AZW 754-6111.

IC2AT W/battery case. Paul WA2IJW (607)844-9871.

18 Micro Henry roller inductors \$15.00 ea. brand new. Dutch K2JGI 837-3720.

Home built 2M FM xcvr W/VHF eng. modules. Inc. VHF eng. RCVR/XMTR, Spr. xtals. Led bar, S-MTR., 10 channel scanner, huge heat sink, 18W output \$100.00. Jack WB2SIB 693-4182.

LETTER TO THE EDITOR:

SUBJECT: Board of Directors & General Membership Meetings

What has happened to our Board of Directors? It appears to me that they have relinquished their authority to the general membership.

The purpose of a Board of Directors is the management of the club. Their responsibility is to control the expenses, delegate responsibility and to supervise activities. The Board should delegate responsibilities to committee chairmen. The chairmen are authorized to act and to spend money within the parameters as authorized by the Board.

This is not a new procedure. Just look at the operation of other similar organizations, such as Lion's Club, Kiwanis, Red Cross, B.P.W., A.R.R.L., etc.,. These organizations do not have business meetings for their general membership.

The general membership controls the club by the election of the Board. If the membership wishes to discuss business problems, this is done at the Board meeting, not the general meeting. At the general meeting the Board and committees report their activities to the membership, but there is no discussion of the reports. The membership can also be informed of the Boards activities if the minutes of the meeting are reported in Telstar.

A meeting of the general membership should be directed towards the interests of the members of the club, which is, of course, Amateur Radio. We have a hobby that has a broad spectrum of interests. The meetings should inform and educate the members about amateur radio.

I urge this change in the direction of our club. Young men are not interested in listening to the discussions currently held at our meetings. We need to encourage attendance at our general meetings and we will do this by removing the business discussion from the membership meeting, to where it belongs, at the Board of Directors meeting.....

SIGNED:

John Waterhouse KA2GXS

LOCKPORT AMATEUR RADIO ASSOCIATION AUCTION 23rd ANNUAL
SATURDAY - JANUARY 28, 1984

Niagara County Co-Operative Extension Fairgrounds (Farm & Home Center)
Route 78 - Lake Avenue - Just North of the city of Lockport
Doors open 5:30 PM - Auction starts at 6:30 PM Admission is 75¢
Talk-in W2RUI/RPT 146.22/82 Coffee & donuts available
VIP TABLE available for top quality equipment in operating order

BARRA (Buffalo Amateur Radio Repeater Assoc. Inc) AUCTION
MONDAY evening - February 20, 1984

Doors open 6:30 PM - Auction starting 7:30PM.
St. Bartholomew's Episcopal Church - Brighton Road corner Fries
Tonawanda

Coffee and donuts for sale 50¢ Donation at the door for the church
All items must have a label with the name and callsign of the seller with
the minimum bid acceptable. BARRA to retain 10% or \$5.00 (whichever is
lower) on each item. Auction must end 10:30

FOR FURTHER INFORMATION - contact Nelson - WA2ZSJ 634-6394

TR-4 completely checked out tubes and alignment. W/Spkr., PS \$295.00 firm. Palph 625-8158.

X 60 Norm James W2VEX 877-0223.

Cushcraft 7 ele. 2 Mtr. beam ant. Heathkit HD16 keyer & 1 practice keyer tape player. Tom KC2OT 839-0723.

Clegg 22'er, MK II AM 40W 2M \$100.00 firm. Bob W2MYN 694-3274.

Pegasus (winged horse) 1982 Callbooks USA (w/supplements) & Foreign. \$5.00 ea.

Cushcraft 7 ele. 2 mtr. beam ant. Heathkit HD16 keyer & 1 practice keyer tape player. Tom KC2OT 839-0723.

Radio Shack TRS-80 Pocket Computer Model PC-2, with Printer/Plotter. \$300.00 Paul KA2DDP 828-1250.

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GOSSIP COLUMN

Well it was good to see so many members at the January meeting, and the speaker sure was interesting.

For the February meeting there shall be a code proficiency test given, it will be at 15 WPM and using regular english text as a QSO on the air. So bring along your sharpened pencils or your favorite pen and join in the fun. Everyone that copies the text without a error shall get a prize. Not only that if half of the members that participate do good we will have another test at the March meeting at 19 WPM (or so) and so on until we can crown the best CW operator of the club. So don't be bashfull and lets see how many months we can go on before we crown the club winner.

In this issue let us talk a little bit about antenna tunners as a asset to the amateur radio station. Years ago it was thought that antenna tuners were very lossy in RF power and were to be avoided as much as possible for efficiency. But with the new transistorized rigs on the market now they are almost a necessity. I ran some test with my tunner. The way I set up was to run the transmitter at 75 watts RF right into a dummy load. Then I opened up the line between the dummy load and xmitter and inserted the antenna tunner. These test were conducted on 15 meters as it would give a good average on other bands also, with dummy load only the SWR was 1 to 1.1 and 75 watts out, putting the antenna tunner in line the SWR was 1 to 1.1 and 72 watts out. There was a loss of 3 watts of power. Now comes the efficiency test, I disconnected the dummy load and put my 15 meter antenna on. It is resonats at 21,300 KHZ. Without the tunner it was SWR 1 to 1.2 at 75 watts and also it was the same with the tunner in line. Then I went down to 21.100 KHZ the novice CW band without tunner the SWR was 1 to 2.5 and 50 watts RF output. After putting the tunner in line it was 1. to 1.5 and 75 watts output which makes it OK for transistorized rigs. So remember if your antenna is cut to a certain frequency and you do not move around to other frequencies on the band you do not need a antenna tunner. I have noticed in some of the publiciations that some manufacturers are making automatic antenna tunners that are able to give the most efficient setting for the best power output from your xmitter without damaging it.

See you all Feb. 2nd. at the meeting.

Guz WB2EZU

On Thursday, December 1, more than 100,000 hams across our continent listened attentively to the North American Teleconference Radio Network. The topic that evening was the AMSAT Space Program which highlighted OSCAR-10 and included an informative update on the W5LFL 2 meter operation from the STS-9 spacecraft. A wealth of knowledge on each subject was disseminated. I'm sure most of us are especially more aware of the OSCAR program and "how to do it." I'd like to share with the STARS readers some insight into this net and how it works.

The "TRN" ties together repeaters accross North America to present high quality technical and informational programs. At least 180 repeaters were active this time and accomodated their users from 10 meters thru 70 cm. The Teleconference Bridge that is used is the model 2020 Co-Conveyor and is owned by the Darome Connection in Chicago. In co-operation with the Honeywell Amateur Radio Club in Minnesota, Darome makes this highly sophisticated device (valued at \$250,000) available to us 4 times each year.

Past TRN guests have included such notables as Senator Barry Goldwater (K7UGA), the late Vic Clark (W4KFC) of the ARRL and regular visits by Roy Neal (K6DUE), Science Editor of NBC News. Those of us over 30 will remember the Senator as the unsuccessful 1964 Presidential candidate. The hallmark of the net is superb audio quality both to and from all locations. However, due to the large number of stations present, not all participants can be given the opportunity to query the guest. Interactive status is granted to 12 to 16 repeater systems per net. Only 1 question from any repeater group is permitted. The net manager determines well in advance which repeaters will feed the net. A rotation system combined with geographical location is used to make this determination.

Three years ago, myself and several ham friends formed a small, independant repeater group known as the Elma Repeater Association. We established a system that operates at 224.1mhz and identifies as WB2OXB/R which is always open to any 220 mhz enthusiast. In September, I placed the Goldwater TRN on our repeater. The 220 machines in WNY are very sparsley populated. Unlike Commercial Broadcasting, amateur stations don't compete for listeners. As a member of BARRA, STARS AND ERA, I felt compelled to expand the audience of the TRN so that its contents could be absorbed by more of us. Subsequently, I invited Andy WB2VEU and Bob KC2EU to link their respective machines with the OXB/R.

The link was simple and efficient. I connected with the Darome Bridge and fed the net to the OXB/R. Using 220 mhz receivers, Andy and Bob in turn fed the 224.1 audio into the inputs of their 2 meter transceivers; k and then output to the inputs of the 73 and 09 machines. None of us had to leave our homes and no modifications to any of the repeaters were necessary.

Undoubtedly, many of you missed the latest TRN for lack of publicity. Confirmation that the linking system would work properly was not achieved until the Monday night prior to the net. Now that the network and the related links have proven themselves, I would like to continue to share future TRN's with you.

The next one is scheduled for March 8, 1984. The topic is "AMATEUR RADIO AND THE LAW." The guests will be 3 attorneys with expertise in Communications Law who enjoy this hobby as much as you and I.

I promise to remind you of the date and time of the TRN well in advance of March 8. These nets are something worth listening to.

My very 73's

Dave, WA2TVT