

# TELSTAR

MAY 1991  
ISSUE #125



The Monthly Newsletter of **S.T.A.R.S.**  
**Southtowns Amateur Radio Society**  
Club Station **WB2ELW**

Next Meeting : MAY 2, 1991

Editor:  
**Steve Yekich KB2EQV**  
825-8049

Remember, We are in need of a new newsletter Editor. If you think you would like to help call me Steve, KB2EQV, or any Board Member. TNX

If there are any S.T.A.R.S. Members who signed up and joined ECAR ( Erie County ARES/RACES), RAY BAKER, N2DAY EC/DO ERIE COUNTY may still be in need of a few volunteers for the upcoming NISSAN MARATHON on Sunday, May 5. If you can possibly help, give Ray a call at 666-4870 or try to check in on the ECAR Net Sunday at 7 PM, on 146.730 (K2GUG). Lets give Ray some "STARS"



#### WANTED

Editor to put out the TELSTAR. As stated in the last TELSTAR I will be giving up the editor's position in June. John Mcknight, one of our members has come forth to help with putting on stamps and mailing labels and mailing out the club newsletter. We need someone to edit, and put together the newsletter. I have a couple IBM programs if you need them and the club's Panasonic computer printer will be yours if you are Editor. PLEASE HELP OUT WITH THIS VITAL LINK FOR THE CLUB, TIME IS RUNNING SHORT, ONLY ONE (1) MONTH LEFT. IF YOU WOULD LIKE TO HELP OR WANT INFORMATION, GIVE ME A CALL AT 825-8049

Steve - KB2EQV  
MONROE COUNTY  
FAIRGROUNDS  
Route 15A - Rochester, NY

## Rochester HAMFEST and COMPUTER SHOW

combined with the  
Atlantic Division/  
New York State  
ARRL Convention



MAY 17-18-19, 1991

#### CONVENTION TIMETABLE

##### Friday, May 17:

8:30 a.m. - 12 Noon - Indoor Flea Market Setup  
12:00 Noon - Indoor Flea Market Open  
12:00 Noon - Outdoor Flea Market Open  
6:30 p.m. - VIP Dinner - Marriott Inn

##### Saturday, May 18:

6:00 a.m. - 7:00 a.m. - Indoor Flea Market Setup  
7:00 a.m. - 9:30 a.m. - Indoor Flea Market Open  
9:30 a.m. - 9:30 a.m. - Exhibit Hall Open  
7:30 p.m. - Awards Banquet - Marriott Inn  
12:00 Midnight - Wolfie Hong - Marriott Inn

##### Sunday, May 19:

7:00 a.m. - 2:00 p.m. - Indoor Flea Market Open  
8:30 a.m. - 1:30 p.m. - Exhibit Hall Open  
1:00 p.m. - GRAND AWARD

## MULTIPLE SCLEROSIS (MS) BIKE TREK

For the past two years STARS members have participated in the MS bike trek. This year it will be held on Saturday, June 15, 1991. We are looking for volunteers to help out with this event. It will start at Chestnut Ridge Park in Orchard park and will end up at the Allegany State Park. Lunch will be provided and volunteers are invited to dinner and overnight camping at Alleghany State Park.

I would like to see more volunteers this year. Only about 2 or 3 members have every helped out from STARS that has a membership of about 130. PROS membership is about 20 or so and almost half of them volunteered. Contact Denis N2HP at 873-6073 (H), 847-3482 (W) or Myself at 825-8049

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### NIKE BASE CLUB STATION WB2ELW

10 meters has been quite good on Monday nights. The last couple Mondays the pacific has been in there. WB2ELW worked lots of VK'S in Australia and ZL'S in New Zealand. We also worked 4X6 in Israel, 5B4 in Cyrus, and TU2, Ivory Coast in Africa.

We hope to have our 40 and 80 meter antennas put up soon, that is if the rain ever stops. I would like to thank Bob KB2JHY for putting in our new operating table that is made of masonite, he also stained it for us. Bob and I spent a Saturday at the Nike base installing the table. Bob WA2IQX and I also spent a couple of hours cleaning up the club station and throwing away things we didn't need. Many thanks to John KD2WB who answered our call that we needed an air conditioner. Joe KB2JDB picked it up and then we dropped it off at the station. Jake gave us a hand and installed it in the operating room so that we can be COOL!! this summer.

We had to buy new finals for our linear amplifier. Bob WA2IQX installed the new tubes and changed the 120 volt cord to 220 volts, for more efficient operations. John KA2RFT installed a new 220 volt line in the shack, so we are all ready to operate.

Jake is going to help us put in concrete blocks soon. If you know anyone that can help get the blocks donated, please give me a call, remember STARS is a non-profit organization and it would help us out alot if we could get the blocks.

There is alot happening at the CLUB STATION, stop by on Monday nights 7-9 pm at the Hamburg Recreation center, Lakeview rd, directly across from the VFV post, and see what your missing out on.

Steve - KB2EQV - Chairman

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### VEC TEST SESSIONS - DICK W2UJR

STARS will hold their next VE test session sometime in October. Date to be announced later in Telstar.

Lancaster ARC will hold VE test sessions on May 15, and June 19 1991. If you need information for Lancaster test sessions call: Stan N2IAE 887-6608  
Send applications etc TO: Dick Haungs W2UJR  
11315 Cary Rd.  
Alden, NY 14004-9547

ARATS will hold test session on May 4 and June 8. For information call Vern Siegel AA2AC 693-5977 (Work) 634-5276 (Home)

Dich Haungs W2UJR  
VE Liaison

The VE's of Niagara Frontier ARC will hold an examination for amateur licenses on April 6, 1991 at 10:00 am at the Amherst Clearfield Library, 770 Hopkins Rd., Amherst, NY 14221. Contact Jim Collier at 688-8293 for reg. and details.

The April meeting is long gone and shall be remembered as a very successful meeting. Ray. N2DAY, chairman of the Emergency net system in Western New York, gave a rundown on it's operation and how to join and assist when an emergency arises. Remember this net is not only on 2 meters but also on the low bands and they can coordinate both in order to assist as much as possible. Ray was happy that there was quite a large group that signed up and hope it will work out for the best for everyone.

After the committee reports we had a mini flea market. It was wall to wall people selling and some buying in fact we had to branch out to another room to take care of the overflow. There sure were some good bargains. There was a transmitter of the old tube type floor model that sold for over \$1,000 when new that went begging for takers, plus a lot of small articles and one complete hamshack unit for sale. If you missed out maybe someone can fill you in on what you wanted.

On April 10th we took a field trip to the N.Y.S Electric and Gas Co. The personnel put on a very fine display with slides and also a hands-on demonstration of the dangers that you can avoid in order to stay alive in tragic electronic situations. Everyone should, at one time or another, try to see something like this and it sure will make you cautious. There is one thing that sticks in my mind and that is you cannot distinguish between a telephone line, a TV cable installation, and a 7,200 volt electric line. Modern design has made them look almost alike. Of course the people working with the various cables can tell them apart but us laymen can't so please, whenever there is a disaster stay away from the wires and live another day.

I hope someone will bring all the members up to date on the progress of the 2 meter repeater. I have not checked on it lately due to the 70 MPH wind storm on the lake shore which knocked down two of my 50 ft. pine trees and took down all of my wire antennas. Luckily my 50 ft. tower was on the other side of my lot, it was missed by about 5 ft. I am in the process of installing new wire antenna. My 80 meter dipole that I cut for the STARS net on 3.925 KHz and the coax connector were so corroded that I had to replace them. How I was able to put out a signal I will never know, and it was only twenty years old.. My 40 meter antenna was on a 40 ft. mast and about 20 ft. from the ground it bent to almost a 90 degree angle so that will have to be replaced. The G5RV did not get it too bad. Only half of it is down and my all band 80 to 10 meter trap dipole needs replacing but progress is getting there.

Happy Hamming  
Guz - WB2EUZ

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FOR SALE COLUMN

Kenwood TS-520 HF rig, with digital display - \$500.00, Kenwood TS-520S clean - \$550. Icom 740 FM, all filters, desk mike and internal keyer - \$750. RF Concepts model 3-211 linear amp for 220 MHz new - \$200 - Larry KE2YC - 689-0405

SB200 & Dentron tuner - ED KA2KFC - 835-8985

IBM Keyboard - \$60. DEC Typewriter - (was \$1000) make offer. NEC 3550 office model daisy wheel (was \$900) - \$350, Hayes 300 baud modem - \$30 - Jesse KA2AWR - 634-3300

Classic National NC 270 Rcvr - Gene WA2IJJ - 836-0398

Super classic National NC 1-10 Super Regen rcvr & power supply, Acorn Tubes - John W2CUU - 873-3984

SB220 Linear Amp with manual. \$425.00 - W2YJ - 684-3562

WANTED - TNC - Also need ARRL handbooks, 1981 and pre 1958. - Shane WB2WPM  
657-5797

**LANCASTER NEW YORK HAMFEST**

Sunday June 9, 1991 (Second Sunday in June) at the Elks Club Hall Rt. 20 -  
 Broadway in downtown Lancaster, across from the Lancaster post office. For  
 information see next months Telstar.

**NEW BIRD WATT METER**

STARS just bought a brand new Bird 43P watt meter, a carrying case, a  
 dummy load, and 5 slugs for 440 Mhz, 2 Meters, and the HF bands. We sold  
 enough equipment and tubes at the Madison hamfest to purchase it. The  
 equipment and tubes were donated by various members. Maybe you can ask your  
 work place to donate their electric equipment that they don't need to the  
 club. Also, if you need any receiving tubes give Bob WA2IQX a call at  
 648-4274, he has boxes of tubes if you need them.

**RADIO CLUBS AROUND THE AREA****Lancaster ARC (LARC)**

Editor: Shane Brady WB2WPM 675-5797

34 Rosewood Dr. West Seneca, NY 14224

Meetings: 1st Tuesday of the month

7:30 pm at the Aurora Middle School (cafe),

148 Aurora St. Lancaster, NY

**Amateur Radio Association of the Tonawandas (ARATS)**

Editor: Bob Mann KA2MXH 773-2157

P.O. Box 430. North Tonawanda, NY 14120

Meetings: 3rd Tuesday of the month except July, and Aug.

8:00 pm at the Tonawanda City Hall (Community room)

200 Niagara St. Tonawanda, NY

**Lockport Amateur Radio Association (LARA)**

Editor: Al Gritzmacher AE2T 433-3396

199 Ontario St. Lockport, NY 14094

Meetings: Last Saturday of the month except July, and Aug.

7:30 pm at the Mt. Olive Lutheran Church

Chestnut Ridge Rd. Lockport, NY

**Buffalo Amateur Radio Repeater Association (BARA)**

Editor: Keith Laudenslager K2DSN

P.O. Box 507. North Tonawanda, NY 14120

Meetings: 3rd Monday of the month

7:30 pm at the St. Bartholomews Church at Brighton & Fries Rd.

across from Kenmore East HS in the Town of Tonawanda

**Radio Association of Western New York (RAWNY)**

Editor: Kevin Kedzierski WA2FKV

P.O. Box 190. Tonawanda, NY 14151

Meeting: 2nd Tuesday of the month except June, July, and Aug.

8:00 pm at the church of Nativity, 1530 Colvin Blvd. Tonawanda NY

**Pioneer Radio Operators Society (PROS)**

Editor: Gail Lewis W2CRY

9765 S Protection Rd. Holland NY, 14080-9771

Meetings: 1st Wednesday of the month

7:00 pm at the Masonic Temple, Java Village

**Genesee Radio Amateurs (GRAMS)**

Editor: Kathy Tyson KC2QQ 494-1137

P.O. Box 572. Batavia, NY 14021

Meetings: 3rd Friday of the month

7:30 pm at the E.O.C off from State St.

**RS-10 and RS-11 Operating Frequencies**

Runway for both RS-10 and RS-11:

Mode A: 145 800 up yields 29 300-29 400 and 145 800 down.  
 Mode B: 2 meters up and 10 meters down.  
 Mode C: 15 meters up, 2 meters down.  
 Mode D: 15 meters up, 10 and 2 meters down.  
 Mode E: 15 and 2 meters up, 10 meters down.  
 Beacon can carry telemetry or 700 Dornik.

**RS-10**

(Note: All uplink and downlink frequencies are given in MHz.)

Mode A: 145 800-145 900 up yields 29 300-29 400 down.

Uplink Downlink  
 145 800 29 300 pastboard link, lower  
 145 810 29 310 pastboard link, lower  
 145 820 29 320 pastboard center  
 145 830 29 330 pastboard center  
 145 840 29 340 pastboard center  
 145 850 29 400 pastboard link, upper  
 145 860 29 403 beacon

**Robot A:**

Uplink Downlink  
 145 820 29 357 or 29 410  
 145 830 29 357 or 29 410

Mode K: 21 180-21 200 up yields 29 300-29 400 down.

Uplink Downlink  
 21 180 29 357 beacon  
 21 170 29 370 pastboard link, lower  
 21 160 29 380 pastboard center  
 21 150 29 390 pastboard center  
 21 200 29 400 pastboard link, upper  
 21 250 29 403 beacon

**Robot K:**

Uplink Downlink  
 21 120 29 357 or 29 403  
 21 130 29 357 or 29 403

Mode I: 21 180-21 200 up yields 145 850-145 900 down.

Uplink Downlink  
 145 850 29 403 beacon  
 21 190 145 860 pastboard link, lower  
 21 180 145 870 pastboard center  
 21 170 145 880 pastboard center  
 21 200 145 890 pastboard link, upper  
 21 250 145 900 beacon

**Robot T:**

Uplink Downlink  
 21 120 145 857 or 145 903  
 21 130 145 857 or 145 903

Mode NF: 21 180-21 200 up yields 29 300-29 400 and 145 800-145 900 down.

Uplink K Downlink T Downlink  
 21 180 29 357 145 857 beacon  
 21 170 29 360 145 860 pastboard link,  
 lower  
 21 160 29 370 145 870 pastboard center  
 21 150 29 380 145 880 pastboard center  
 21 180 29 390 145 890 pastboard link,  
 upper  
 21 200 29 400 145 900 pastboard link,  
 upper  
 29 403 145 903 beacon

Mode K: 21 180-21 200 up and 145 800-145 900 up yields 29 300-29 400 down.

Uplink K Downlink KA Downlink  
 21 180 145 860 29 357 beacon  
 21 170 145 870 29 360 pastboard link,  
 lower  
 21 160 145 880 29 370 pastboard center  
 21 150 145 890 29 380 pastboard center  
 21 200 145 900 29 390 pastboard link,  
 upper  
 21 250 145 900 29 403 beacon

**RS-11**

Mode K: 145 910-145 950 up yields 29 410-29 450 down.

Uplink Downlink  
 145 910 29 407 beacon  
 145 920 29 410 pastboard link, lower  
 145 930 29 420 pastboard center  
 145 940 29 430 pastboard center  
 145 950 29 450 pastboard link, upper  
 145 960 29 453 beacon

**Robot A:**

Uplink Downlink  
 145 880 29 407 or 29 453  
 145 890 29 407 or 29 453

Mode K: 21 210-21 250 up yields 29 410-29 450 down.

Uplink Downlink  
 29 403 beacon  
 21 210 29 410 pastboard link, lower  
 21 200 29 420 pastboard center  
 21 190 29 430 pastboard center  
 21 220 29 440 pastboard link, upper  
 21 250 29 450 pastboard link, upper  
 29 453 beacon

**Robot K:**

Uplink Downlink  
 21 130 29 403 or 29 453  
 21 140 29 403 or 29 453

Mode T: 21 210-21 250 up yields 145 910-145 950 down.

Uplink Downlink  
 21 210 145 907 beacon  
 21 200 145 910 pastboard link, lower  
 21 190 145 920 pastboard center  
 21 180 145 930 pastboard center  
 21 250 145 940 145 950 pastboard link, upper  
 145 950 beacon

Mode K: 21 210-21 250 up yields 29 410-29 450 up and 145 910-145 950 down.

Uplink K Downlink  
 21 130 145 907 or 145 953  
 21 140 145 907 or 145 953  
 Mode KT: 21 210-21 250 up yields 29 410-29 450 up and 145 910-145 950 down.

Uplink K Downlink T Downlink  
 21 210 29 407 145 907 beacon  
 21 200 29 410 145 910 pastboard link,  
 lower  
 21 190 29 420 145 920 pastboard center  
 21 180 29 430 145 930 pastboard center  
 21 220 29 440 145 940 145 950 pastboard link,  
 upper  
 21 250 29 450 145 950 pastboard link,  
 upper  
 29 453 145 953 beacon

Mode KC: 21 210-21 250 up and 145 910-145 950 up yields 29 410-29 450 down.

Uplink KA Downlink  
 21 210 145 910 29 407 beacon  
 21 200 145 920 29 410 pastboard link,  
 lower  
 21 190 145 930 29 420 pastboard center  
 21 180 145 940 29 430 pastboard center  
 21 240 145 950 29 450 pastboard link,  
 upper  
 21 250 145 960 29 453 beacon

**Notes**

1) Use the word "OSCAR" in a generic sense here.  
 2) The RS-10 and RS-11 frequencies were launched by a single Oscar at that time.  
 3) The RS-3, 4, 5, 6, 7 and 8 were launched by OSCAR 7.  
 4) RS-5 and RS-7 both had Robos aboard, but both were lost.  
 5) The RS-10 (four call AF) on the Robo channel (RS-11 has a Robo ton, so you would substitute the call sign in your addressing scheme).  
 6) The Robo ton is a special tone that would work fine. The Robo will reply with a signal report and the OSCAR number. In the special report, the OSCAR number is the Robo ton number.  
 7) The Robo ton is a special tone that would work fine. The Robo will reply with a signal report and the OSCAR number. In the special report, the OSCAR number is the Robo ton number.  
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# S.T.A.R.S

## Board of Directors

President: Bob Witt WA2IQX  
Vice Pres: John Leitten KA2RFT  
Treasurer: Jack Cullum KB2ESM  
Fin. Sec: Frank Modzeleuski W02H  
Secretary: Dave Baco WA2TUT  
Director: Frank Weinstock K2UTK  
Director: Bob Sendor KB2JHY



## Club Meeting Place

Hamburg Youth Center  
Located at Prospect and Hawkins St.  
Club Meeting, First Thursday of the Month at 7:30 PM

Business Meeting, Fourth Tuesday of each month at the Youth Center  
at 7:00 PM.

CLUB REPEATER LOCATED IN ORCHARD PARK, N.Y.  
INPUT FREQUENCY 147.69 WB2ELW REPEATER  
OUTPUT FREQUENCY 147.09

## Southtowns Amateur Radio Society

### S.T.A.R.S

Steve Yekich  
4340 Chisholm Trail  
Hamburg, N.Y. 14075

Club H.F. Stations are at the Hamburg Youth Center and the Nike Base.  
The Nike Base is open for operation every Monday Night at 7 P.M.

### STARS RADIO NETS

75 Meters - Every Saturday  
at 10:00 AM, 3.925 +/- MHz

2 Meters - Every Wednesday  
at 7:00 PM, 147.69 / 89 MHz

### dues

Single \$15  
Family \$23  
Student \$8

## TO ARS:

JOHN CULLUM JR KB2ESM  
6871 E. WEBSTER  
ORCHARD PARK NY, 14127

