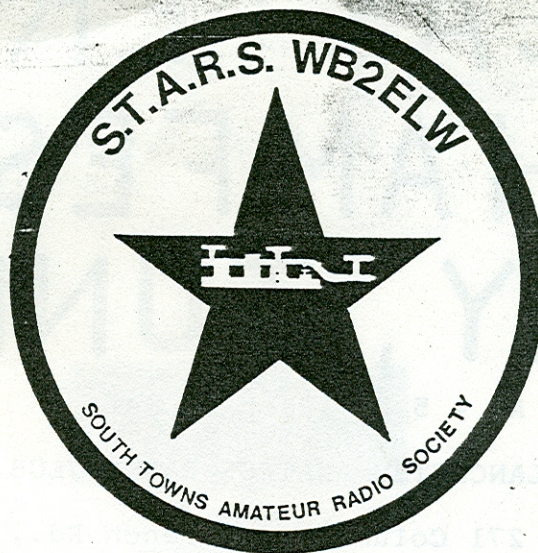


TELSTAR

KB2EQV
STEVE YEKICH
716-825-8049



Business Meeting 2 March = 1930 = Youth Center
Board Meeting = 28 March = 1900 = Youth Center
This months program will feature Mari Lou Bebak from the Buffalo Museum of Science. She will be presenting a show on Solar Activity and how it affects the Earths Atmosphere.

THE FOUNDATION FOR AMATEUR RADIO, INC., a non-profit organization with headquarters in Washington, D.C., plans to award thirty-two (32) scholarships for the academic year 1989--1990 to assist licensed Radio Amateurs. The Foundation, composed of fifty local area Amateur Radio Clubs, fully funds four of these scholarships with the income from grants and its annual Hamfest. It administers, without cost to the donors, seven (7) scholarships for the Quarter Century Wireless Association, five (5) for the Baltimore, (MD) Amateur Radio Club, three (3) for the Radio Club of America, and two (2) each for the Dade (FL) Radio Club, the Amateur Radio News Service, the 10-10 International Net, and the West Allis Radio Amateur Club of Milwaukee. It also administers one (1) each for the Richard G. Chichester Memorial, the Young Ladies' Radio League, the Columbia (MD) Amateur Radio Association, the Frederick (MD) Amateur Radio Club and the Vienna (VA) Wireless Society.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college or technical school. Some of the scholarships require the holding of at least an FCC GENERAL Class license or equivalent. The awards range from \$500 to \$2000 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs.

Additional information and an application form can be requested by letter or QSL card, postmarked prior to May 31, 1989 from:

FAR Scholarships
6903 Rhode Island Avenue
College Park, MD 20740

LANCASTER, N.Y. HAMFEST SUNDAY, JUNE 4, 1989

8 AM - 5 PM (Rain or Shine)

SPONSORED BY: LARC LANCASTER AMATEUR RADIO CLUB

WHERE: Depew Grove - 271 Columbia at French Rd., Depew, N.Y. 14043

DIRECTIONS: Columbia is off Rt. 78 (Transit Rd.), 1.5 miles south of Rt. 33 (Genesee St.) or at 5939 Transit Rd. (78)

THRUWAY DIRECTIONS: Take I90 NYS Thruway to Depew exit #49, turn right - Rt. 78 south 2.1 miles to Columbia (5 minutes from the Thruway exit.)

TALK-IN: 146.55 Simplex & 223.04 in/ 224.64 out

ADMISSION: \$3.00 in advance till May 1, 1989
\$4.00 at gate
Admission includes 8ft. of outdoor flea market space per vehicle. You bring tailgate or table - Large paved area.
\$2.00 each additional 8ft. outdoors
Indoor flea \$4.00 per table (Try to reserve in advance)
All payments in US funds.

VE TEST SESSIONS: None at the Hamfest. Tests for ham licenses are held on the third Wednesday of every month at 7:30 PM. Contact NS2M Matt.

COMMERCIAL VENDORS contact committee for indoor area rates.

NO OVERNIGHT CAMPING at Hamfest site - List available of nearby motels.

GOOD FOOD - available for purchase including donuts, coffee and pop 50¢
Hot Dogs \$1., 1/4 lb. hamburger \$1.25, Roast beef on roll \$2.50,
French fries 50¢, beer \$1.25, and other refreshments.
NOTE- Insurance does not allow you to bring your own beer or liquor - it must be purchased there.

INFORMATION AND ADVANCE REGISTRATION:

CHAIRMAN

WA2CJJ Nick 716-681-6410
5645 Genesee St. 146.55 223.04/224.64
Lancaster, N.Y. 14086

PRESIDENT

KE2FM Ron 716-681-3512
4740 Broadway 146.55
Depew, N.Y. 14043

SECRETARY

W2UJR Dick 146.55
11315 Cary Rd. 223.04/224.64
Alden, N.Y. 14004

TREASURER

KB2FIN AL 146.64
2779 Stony Point
Grand Island, N.Y. 14072

MAKE CHECKS OR MONEY ORDERS PAYABLE TO LARC



THE AMERICAN RADIO RELAY LEAGUE, INC.

INTERNATIONAL SECRETARIAT OF THE INTERNATIONAL AMATEUR RADIO UNION

ADMINISTRATIVE HEADQUARTERS NEWINGTON, CONNECTICUT, U. S. A. 06111

HUGH A. TURNBULL, W3ABC
DIRECTOR ATLANTIC DIVISION

6903 Rhode Island Avenue
College Park, MD 20740
Tel. (301)-927-1797

February 7, 1989

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K1LLU, TREASURER
203-666-1541
FAX: 203-665-7531

QST-

QSL BUREAUS

The third and second call area bureaus was audited in early January and found to be in excellent order. The number of complaints has been minimal and the Bureau management has made several changes to the Amateur Radio Community. Their only complaint came from a user who failed to follow the well-publicized instructions. The volunteers who serve both Bureaus are doing an outstanding job and merit our continued support.

220 MHz.

The 220-222 MHz. matter continues to be actively pursued. Trying to guess the final outcome would be counter-productive, but there are enough encouraging aspects to keep the fires burning.

NO CODE

The No Code issue is being discussed again. The special ARRL Committee appointed by President Price is anxious to hear your views via Headquarters. Please be specific if you favor changes or make comparisons with the regulations in other countries. Remember, too, that our Service has a low priority because of the FCC's resource restraints.

1989 ARRL BOARD MEETING

The Minutes of the recent Board Meeting will be published in the March issue of QST. The highlights of the meeting were reported in ARRL Bulletin #5. The Division's elected officials already have copies and will be glad to answer your specific questions. Once again, the Atlantic Division Director has been chosen to serve on the Executive Committee.

ARRL ATLANTIC DIVISION CONVENTION REMINDER

Plan to enjoy the annual Lilac Festival and attend the Atlantic Division Convention in Rochester, NY, on May 19, 20, and 21. There is still time to nominate someone for the "Ham of the Year" award. Nomination forms can be obtained by writing to Richard goslee K2VCZ, 24 Elaine Drive Rochester, NY 14623-5306

Subject: ATLANTIC DIV. HAMFESTS 2/7/89 -

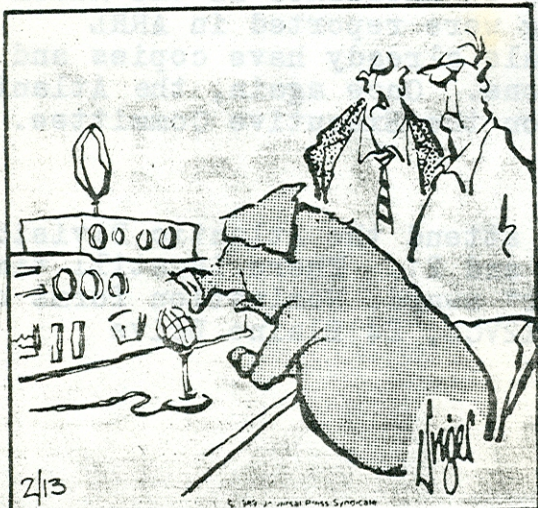
HAMFESTS IN THE ATLANTIC DIVISION, ARRL
7 February 1989

Updated hamfest bulletins will be issued periodically. Hamfests not listed in this edition can be included in future bulletins, if sponsors will send information to W3ABC either @ WA3ZNW or the callbook address. The application package for ARRL hamfest sanction is available from Bernice Dunn, KA1KXQ, at ARRL Headquarters.

Note: + denotes ARRL Sanction

Feb 25 Rookies ARA, Horseheads, NY
+Mar 5 York Winterfest, Dover, PA
+Mar 5 TRARC, Belle Vernon, PA
Mar 11 SPARC, Egg Harbor, NJ
Mar 12 DVARA, Lawrenceville, NJ
Mar 25 Drumlins ARC, Newark, NY
Apr 1-2 BARC, Timonium, MD
+Apr 16 Pine Grove Repeater Group, Pine Grove, PA
Apr 23 Carroll Co. ARC, Westminster, MD
May 6-7 Southern Tier, Owego, NY
May 21 Warminster ARC, Wrightstown, PA
+May 21 Tamaqua Transmitting Society, Tamaqua, PA
May 19-21 ATLANTIC DIVISION CONVENTION, ROCHESTER, NY
Jun 2-4 ARRL NATIONAL CONVENTION, DALLAS TX
Jun 4 Breezeshooters, Pittsburgh, PA
+Jul 1 Murgas ARC, Wilkes-Barre, PA
Jul 9 North Hills ARC, N. Hills, PA
+Jul 9 Genesee RA, Batavia, NY
+Aug 20 Kent ARC, Dover, DE
Sep 9 Uniontown, PA
+Sep 10 Butler ARA, Butler, PA
Sep 10 Gaithersburg MD
+Oct 1 Penn Wireless, Bensalem, PA
Oct 8 Pack Rats, Warrington, PA

73 de Hugh Turnbull W3ABC
ARRL Atlantic Division Director
@ WA3ZNW [20906]



"You never seen a ham
operator before?"



Well the two meter link was very successful on Feb. 4th with 13 check-ins on two meters and 12 check-ins on 80 meters. Wish to congratulate John KA2RFT, he sure got the bugs out of the system very nice and it was a pleasure to see how nice it works. On Feb. 18th I shall hook up a modulation scope for incoming signals on the 3.925 net at 10 AM. Then we can check for overmodulation, spurious peaks etc.etc.

Spring is about to come and it is time to take inventory of your antennas and see what you need in order to be able to get a early start, as yet there is some #14 wire at the Nike base clubroom so that should not be a problem. You will need at least three strain insulators and some coax. Note all info can be obtained from the Amateur Radio Handbook. Now just for example, let us build a antenna for 3.925 MHZ (hope this figure is familiar to you) the formula for wire antennas is $FT = \frac{468}{F (MHZ)}$ where FT is length in feet 8 (MHZ) is freq. in Megahertz
SO $FT = \frac{468}{3.925} = 119.24$ feet. this is known as a $\frac{1}{2}$ wave ant. you can use #20 to #10 wire solid or stranded from 25ft to 40ft high in as straight a line as possible. Feed it with 50 ohm coax of your choice, although I recommend RG8U of the #213 series as it is very durable and low loss. Please do not use the solderless connectors as they have a tendency to create noise during a 30 MPH wind or more. Cut 2 pieces of ant. wire to 60 feet and connect it to your center connector, wind five turns around the antenna wire. Then put a SWR Bridge in line next to the Xmtr. Note as yet do not use your Ant Tuner. Then trim the ant by taking equal amounts off on both sides (start with 2 Inches) and check SWR. When you get it down to 2 to 1.1 or better then it is OK. Then put your Ant tuner in line and check out the rest of the band. If you get a 2 to 1.1 or better in the CW. portion of the General class you are very good and got a working Antenna. Solder the ends at the insulators using five turns around the ant. wire. Hope to hear you on the band. There are other types of ant. and commercial built kits but for simplicity and a cheap way to practice ant. work you can't beat this set up. It will work on 40 meters on 15 meters to some extend also, so try it.

In coming months I shall describe a G5RV all band no trap ant. which should provide you with a ant. that will work on all bands. You need a Ant tuner with it so if you dont have one keep it on your want list...

If you wish to upgrade dont forget to submit your 610 form plus a check to ARRL-VE for \$4.75, a copy of your license & your latest up-grade certificate to:

GUZ CUZENSKI
5084 CHAPMAN KKWY
HAMBURG, N.Y. 14075

For the april 12th (wed) 1989 at the Hamburg Jr. high school on division St. room 117 at 7 PM. Please no walk-ins. Submit your application before April 6th at the club meeting. If you are not successful and wish to upgrade get in touch with:

Matt Gorski NS2M
6117 Broadway
Lancaster, N.Y. 14086

Matt is chairman of the Lancaster amateur club ve program and the hold sessions at least once a month on wednesday and am sure he can fix you up with a date suitable to you. These tests are given to any amateur who wishes to upgrade that holds a novice or higher ticket so let your friends know and let them upgrade also.

cont.....next page.....

Don't forget to check into the nets, run by the club. At present there is a net on tuesday on 10 meters, Wed. on 2 meters and Sat. on 80 meters so no excuse for not participating in at least one and keep in touch with your fellow club members.

See you March 2nd at the meetin
Guz WB2EZX

How to instal a reset switch on your "C-64" or "VIC"

By Mr. Dan Bengal

Submitted by Gary Wood KB2ESN

Part 1

What I'm presenting here is an inexpensive, simple way to add on one of these handy gizmos to your present Commadore computer. Since we'll be hooking it up to the user port, the same instructions and connections apply to either the VIC 20 or the C-64, which have identical user ports.

RESET WITHOUT LOSING PROGRAM. You have access to the reset signal through two pins in the user port. (rightmost connector as you face the back of your 64) triggering the reset through the user port will cause a reset without turning the power off (and memory contents will not be lost) There is a good chance that the program you were working on will still be intact. You can save a fair amount of time while extensive entering and debugging by not having to reload the program every time. To construct a reset switch, you will need the following items:

Parts List	Radio Shack parts	
1.- 6.2V Zener Diode	#276-561	89¢
1.- 1N914 Diode	#276-1122	99¢
1.- 100 Ohm Resistor $\frac{1}{4}$ watt	#271-1311	39¢
1.- 47 MFD @35V CAP.	#272-1027	69¢
2.- Miniature PB. Switch normally open	#275-1547	\$2.49

You will also need a little wire and some solder!

As you would expect, the 6510 Microprocessor contains some complex circuitry. If the microprocessor is to operate properly, all the various parts of this circuitry must work together in an exactly defined set of steps. A reset signal gets everything synchronized. When this signal is grounded, the 6510 is forced through a sequence, like horses going into the starting gate to get ready for a race. When the reset signal is released from ground all the processor's components start off together.

At this point, the 6510 is ready to start executing machine language instructions. But where will these instructions first come from? The reset process also deals with this question. The first thing the 6510 will do after the reset signal is released is fetch two bytes, from the top two memory locations in the 64. These bytes are the starting address for executing machine instructions. Two such bytes used to form an address, are called a VECTOR; the two bytes mentioned above are called the reset vector.

Continued in April Telestar.....



VE REPORT

By Dick Haungs W2UJR

The next Stars VE test session will be on April 12, 1989 at the Hamburg Junior High School on Wednesday evening from 7-10 P.M. in rooms 117/119. Please send your 610 applications, a copy of your license and a check for \$4.75 made out to ARRL/VEC (yes the price went up) and a copy of your CSCE (upgrade or credit certificate)

TO: Guz Guzinski WB2EZU
5084 Chapman Pkwy
Hamburg NY, 14075

The Lancaster Amateur Radio Club will hold a test session on Wednesday evening at 7:30 to 10 P.M. on March 15. For this session send your 610's etc.

TO: Matt Gorski NS2M
6117 Broadway
Lancaster NY, 14086

The deadline for receiving applications will be one week before each test session. Technician through Extra exams will be given. All candidates must be pre-registered. There will be NO WALK-INS.

If the Stars club would like to hold more than the April and October sessions, please let me know. Our VE team stockpiles all test elements, so there is no waiting period to receive test materials.

Dick Haungs W2UJR
VE Liason

HAM GEAR

Amateur related gear

- J1 Ten-Tec: 5 band transceiver with digital readout model 546 and outboard VFO model 243 and separate power supply model 252MO plus mike, speaker and manuals.
 - J2 Info-Tech: complete outfit for RTTY, AMTOR, and CW. including model 300 keyboard, model 200E interface TU and a 9" video monitor for display of signals, plus manuals.
 - J3 Heath speaker, Heath dummy load, Drake 1000 watt low pass filter, pionier cassette player ETC, ETC. Swan SWR 1A-power & SWR meter. For more info contact GUZ - WB2EZU - 627-3724
 - Y1 Antenna - Mag. Mount Car
 - Y2 Low and High Pass Filters
 - Y3 Speakers (small) Asst. Radio
 - Y4 Microphone - Electro Voice Model 638
 - Y5 Box assortment
 - Y6 Directional Coupler and Indicator
 - Y7 30 pkgs diodes or resistors
 - Y8 Cable Connectors - Mixed
 - Y9 Connectors (wire) Mixed
 - Y10 Cable (wire) Antenna (odd sized)
 - Y11 Milliamperes (meters)
- WA2JBV 681-7981

OFFICERS AND BOARD OF DIRECTOR

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SECRETARY = ADIRAN GEOGESKI = N2HPR
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DIRECTOR = NICK STANKO = N2IBC
DIRECTOR = VOIT DRANKAN = KA2WIO

BUSINESS MEETING =1st THURSDAY

1930 Hours(7:30) =YOUTH CENTER

BOARD MEETING =4th TUESDAY

1900 HOURS =YOUTH CENTER

S.T.A.R.S. NETS

75 METER NET= EACH SATURDAY AT

1000 HOURS = +/- 3925 KHZ

2 METER INFO NET= EACH WEDNESDAY AT

1900 HOURS = 147.69/.09

10 METER NET= EACH TUESDAY AT

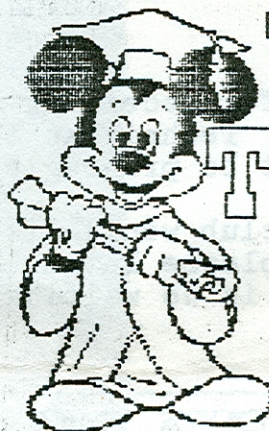
2000 HOURS = +/- 28.420 KHZ



DUES REMINDER

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

Frank Modzelewski WG2H
1818 Clinton St.
Buffalo, NY. 14206



WE TESTS
TEST SITES

RAVE HOTLINE
876 - 6593

CALL FOR
TESTS - SCHOOLS



S.T.A.R.S.
STEVE YEKICH
4340 CHISHOLM TRAIL
HAMBURG NY, 14075

To:

John Cullum Jr.
KB2ESM
6871 E. Webster Rd.
Orchard Park, N.Y. 14127

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