

FIELD DAY PREPARATIONS UNDERWAY

The Nike Base Clubhouse of **STARS** has undergone renovations recently. The facility has been cleaned and rearranged. New paint, new carpet, new counter surfaces have all been added. The parking area has been striped. Antennas have been installed. It's air conditioned.

Join us for Field Day this Saturday, June 28th for exciting operations in the new facility.

Preparations will begin at 10:00 AM, with operations expected to begin around 2:00 PM.



CLUB OFFICERS

President	Ken Pokigo, KC2AYK
Vice President	John Leitten, KA2RFT
Secretary	Mettieirene Wagner, KD2DFQ
Financial Sec'y	Judy Levan, N2TEZ
Treasurer	John Czuba, W2IV
Director (1 yr.)	Conrad Barrick, KC2WRV
Director (2 yr.)	Jon Hall, KC2QKB

Clubhouse Chair	Pat Groom, KC2VWG
Telstar Editor	Tom Dean, KA2NXY
Webmaster	Don Niles, K2PMC

WE GOOFED

Scott Barto, KB2KOL; and Wayne Carpus, W2ZDP, both reported that in the middle photograph on page 3 of the June edition, the fourth person from the left was incorrectly labeled as **Wayne Carpus, W2ZDP**. The person is **Dennis Motschenbacher, K7BV**, the Yaesu Vice President who assisted **STARS** in acquiring the new repeater.

John Leitten, KA2RFT, reported that the Webmaster position is no longer vacant; it is now held by **Don Niles, K2PMC**.

If you see something that is not correct, let us know at: wb2elw@verizon.net

BLUE AND UNDERLINED

When you see something in **TELSTAR** in blue letters and underlined, that means it is an Internet link. Hold the "Control" key and click on the link to open.

Try it! ➡ [sample link](#) (control + click)

JULY MEETING DATE CHANGED

To avoid conflict with plans for Independence Day, the July meeting has been moved from the first Thursday to the second Tuesday. It will convene on Thursday, July 10th, at 7:00 PM. The location will be the Nike Base Clubhouse, just west of the Hamburg Town Arena, at 2982 Lakeview Road, Hamburg, NY.

There will be a mini-hamfest, with interesting materials for sale. Also, there will be a raffle.

Hot dogs and hamburgers will be available.

Join us at the newly renovated radio shack.

All are welcome.

STARS MEETINGS

- ★ STARS meetings are *usually* at 7:00 PM on the first Thursday of each month, at the Hamburg Memorial Youth Center, 200 Prospect Avenue (near Hawkins Avenue) in Hamburg.
- ★ The July meeting will be **July 10th**, at 7:00 PM, at the Nike Base Radio Clubhouse on Lakeview Road.
- ★ All are welcome,
- ★ The **STARS** board usually meets at 7:00 PM on the fourth Thursday of each month at the Nike Base Radio Clubhouse, just west of the Hamburg Town Arena, 2982 Lakeview Road, Hamburg.
- ★ The June board meeting will take place on **July 24th**, at the Nike Base Radio Clubhouse.
- ★ All members are welcome.

CLUB NETS

Saturdays	10:00 AM	3.925 MHz +/- QRM
Sundays	9:30 AM	28.380 MHz
Sundays	10:30 AM	147.09 MHz (repeater)

BATAVIA HAMFEST

Saturday - July 19, 2014



Alexander Firemen Grounds [MAP](#)

\$7.00 admission and free tailgating

10708 Alexander Rd. Route 98, One mile south of Rt 20,
Alexander NY14005

Outdoor Flea Market - same venue as prior years
6:00am - till/...

**Buy / Sell - VE Exam - Ham Radio Vendors -
Electronic Equipment**

Overnight Camping Allowed - Arrive after 6PM on Friday
(the night before hamfest)

More info at:

<http://gbhamfest.hamgate.net/>

Sponsored by the **Lancaster Amateur Radio Club**

NEW ARRL SECTION MANAGER

Nominating petitions for the ARRL Section Manager for Western New York were solicited, with a deadline of June 6, 2014. By the deadline, only one petition was received.

ARRL is proud to announce that **Laura Peters-Mueller, N2LJM**, of Falconer, will be the new Section Manager effective October 1st, 2014.

**STARS has been
designated a
Special Service
Club**



POWER OUTAGE

by "name withheld"

We had a power outage at my house this afternoon and my PC, laptop, TV, DVD, iPad & my new surround sound music system were all shut down.

Then I discovered that my iPhone battery was flat, and to top it off, it was raining outside, so I couldn't play golf.

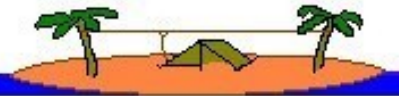
I went into the kitchen to make coffee, and then I remembered that this also needs power, so I talked with my wife for a few hours.

She seems like a nice person.

UP with antennas



by Don - K2PMC



Ever heard of the phrase "nothing new under the sun"? Well that pretty much applies to ham radio antennas. With all the radio amateurs out there and all their ideas of how to hang wires you can bet that almost any antenna you can think of has been tried by some guy, somewhere, sometime. The same is true for the antenna I will present today. I came across it about 15 years ago and with my pack rat mentality, stored it in my PC archives, only to be removed for the July Telstar.

A lot of hams, especially newer ones are fascinated by DX. However, they soon find out that working DX ain't as easy as they thought. Many hams find themselves constrained by lot size, wallet size, or antenna height limitations. The 20 meter ham band is probably the most active band we have and a lot of DX stations hang out there. Let's see what we can build to work some 20 meter DX.

A 20 meter dipole is a good place to start. It's only about 34 feet long. But, it requires a support at each end and a feed line in the center. And, to become a reasonably good DX antenna it should be at least 30 feet high. And, remembering a previous column, it will radiate in a figure 8 pattern.

A vertical wire is another possibility. Only a single support needed. But, the dreaded radials come into play. You could ground mount the vertical but then you will need a rather extensive (at least 16) radial system for the antenna to operate efficiently. Kids, pets and lawn mowers might discourage that option.

You could hang it from a tree with 2 elevated radials. This would work pretty good but the radials should be separated by 180 degrees to maintain the omnidirectional properties of the vertical. The radials should

be about a quarter wave so you will need roughly 34 feet of yard space and some place to tie the ends.

Let's take a dipole, play around with the dimensions and make a vertical out of it. Oh yes! Did I mention? No radials!

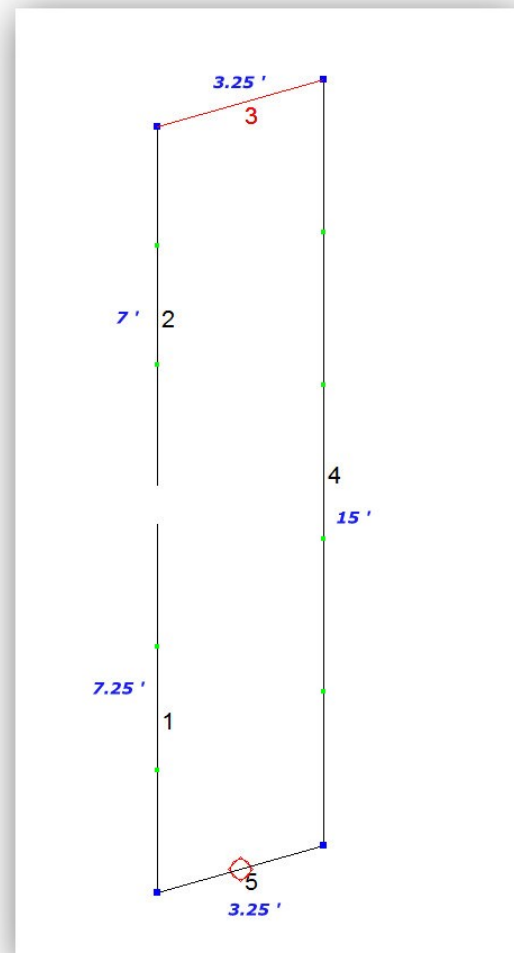


Figure 1

Figure 1 is what is commonly called a C Pole vertical. Simply stated it is a dipole that is bent back on itself. Then you find a current node to acquire a decent

(Continued on page 5)

(Continued from page 4)



match and hope that it radiates in all directions. The one you see in Figure 1 should do that. You can use any lightweight non-metallic material to separate wire 4 from 1 & 2 and a piece of plastic to tie the ends of wires 1 & 2 together. The red circle, midway on wire 5, is an insulator where you attach your 52 ohm coax.

As with all coax fed antennas you should insert a current choke at the feed point. You can buy a current choke from a commercial vendor (for a rip off price), or you can simply make a choke out of RG-58 coax. You do this by winding 9 turns of RG-58 around a 4 inch form. You will need 10 feet of coax. Remember to leave yourself enough extra coax to attach connectors and mount it to the bottom support.

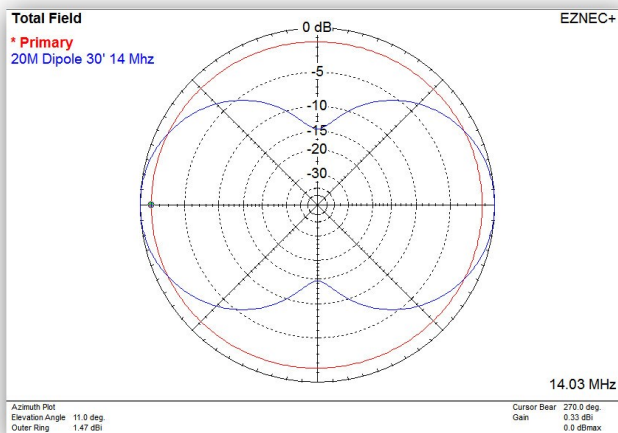


Figure 2

Figure 2 is an azimuth plot (looking down on the antenna) of the 20 meter dipole (Blue) and the C Pole (Red) at an elevation angle of 11 degrees (good for DX). The top of both antennas is at 32 feet. The C Pole delivers a superior signal at all but a few points on the compass. And, the difference at those points is barely detectable. The SWR should be 2 to 1 or less across most of the 20 meter band. With the insulation on, the antenna may resonate a bit lower in frequency.

If you need to tweak the SWR on the antenna do so by trimming the ends of wires 1 and 2. When I say tweak I mean *tweak*. Trim no more than $\frac{1}{2}$ inch at a time. The antenna is very sensitive to length.

Good luck and good Dxing. See you next month with more stuff.

73,

Don

Don, K2PMC

(Editor's note: If you have questions or comments regarding anything from "Up with Antennas", feel free to email Don Niles at: k2pmc@arrl.net.)

NEW DIPOLE FOR FIELD DAY

Alex Leitten, grandson of John Leitten, KA2RFT, learns soldering techniques, as they create a new dipole for the Nike Base Clubhouse.

They are working on the new table surfaces. In addition to new surfaces, the shack has been painted, and carpet tiles have been laid in the primary operating room.

Work on other rooms is still in progress.



HAMFESTS

07/12/2014 [20/9 ARC Tailgate and Hamfest 2014](#)

Location: Austintown Senior Center
112 Westchester Drive
Austintown, OH

Sponsor: 20/9 Amateur Radio Club

Website: <http://www.20over9.org>

07/12/2014 [2014 NW PA Hamfest](#)

Location: Greene Township Municipal Building
9333 Tate Road
Erie, PA

Sponsor: Wattsburg Wireless Association

Website: <http://www.wattsburg-wireless.us/hamfest.htm>

07/13/2014 [RAGS 2014 Hamfest](#)

Location: American Legion
5575 Legionnaire Drive
Cicero, NY

Sponsor: Radio Amateurs of Greater Syracuse

Website: <http://www.RAGSCLUB.org>

07/19/2014 [Batavia Hamfest](#)

Location: Alexander Firemen Grounds
10708 Alexander Road (Route 98)
Alexander, NY

Sponsor: Lancaster Amateur Radio Club

Website: <http://gbhamfest.hamgate.net>

(control + click on name for full information)

RADIO EQUIPMENT AVAILABLE FROM AMATEUR'S ESTATE

With the recent passing of **David Dolaway, W3MDY (SK)**, his family would like to make his amateur equipment available to others.

If you have any interest in this equipment, please call **Don Pistner, N3ELI**, at 1-814-368-4026, indicating which piece(s) you want, and how much you are will to offer for it. If no live answer, leave the information on the answering machine (with your phone number). Don will relay that information to the family who will contact you.

- 1) AT-3000 Antenna Tuner by AEA
- 2) TenTec 252MO Power Supply
- 3) TenTec OMNI-D Radio Transceiver with Turner Plus 2 Microphone - SSB + 2 transistorized
- 4) ProCom Telex 200 headset - includes foot switch 63770-000
- 5) Bencher Keyer
- 6) Bencher Chicago Keyer
- 7) Heath Kit Antenna Tuner SA-2060
- 8) ~~Kenwood TS-530SP~~ **SOLD!**
- 9) Kenwood HT TH-225A 2 meter only
- 10) Shure desk microphone Model 444D
- 11) Astron Power Supply RS-35A
- 12) IC-290H 144Mhz all mode transceiver
- 13) Mirage 2 meter Linear Amp B2516G - 25 watts in/160 out
- 14) Yaesu FT-8000R dual band FM
- 15) MFJ-812B SWR watt meter - 144 to 220 Mhz
- 16) Astron Power Supply RS-35A
- 17) AEA PakRatt 232
- 18) Dentron Linear Amp - Clipperton L

This inventory list was created on June 19, 2014, at the request of a family member of the late **David Dolaway, WA3MDY**.

FIELD DAY—A GOOD PLACE FOR NEW HAMS

Are you a new amateur? Are you looking for an opportunity to get into amateur radio in a big way? Well, you are in luck!

The greatest event for learning the most in a short period of time will be here tomorrow. It's the annual Field Day event. Participating stations are limited to 24 hours of operation. **STARS** will use the period beginning 2:00 PM on Saturday and ending 2:00 PM on Sunday to operate from the Nike Base Clubhouse Radio Station at 2982 Lakeview Road in Hamburg, just west of the Hamburg Town Ice Arena.

The station will be open at about 10:00 AM, for the purpose of setting up equipment. Feel free to come on out and assist with the process!

One advantage of Field Day is the 24 hour operating period. Don't feel you have to be there for the whole time—amateurs can come and go on their own schedule, spending as much or as little time as they want at the station.

During the operating period, it will be the objective to contact as many stations possible in as many locations as you can reach. If you want, you can operate one of the transmitters to help accomplish this. If you're on the shy side, you can act as a "logger", documenting the calls made by the operator. Or, if you're "petrified" by the thought of communicating with stations in other states, you can be a "wall-flower", just observing the activity of

the other amateurs. Speechless? Try one of the digital modes and save your voice!

Don't worry about being a dummy! There will be many experienced amateurs around to assist you in developing your operating skills. They will answer questions, provide advice, and help. (They're also very friendly.)

You will have the opportunity to see amateur equipment working. You will see the antenna connections. You will learn what an antenna tuner is. You might even get a chance to test your digestive system with some of the food creations that may pop up.

Field Day, the largest amateur event each year, was designed to be a test of amateur radio's ability to communicate in emergency conditions. Alternate power sources, such as generators, solar cells and batteries, are used to provide power. Many clubs travel to remote locations, setting up their transmitters, erecting temporary antennas, and coexisting with a variety of weather conditions.

All things considered, there is no better way for you to get into amateur radio in a big way. Come on down, learn, work and enjoy!



TESTING NEEDS

- Legal photo ID (a driver's license is excellent!)
- Current license and/or CSCE documents, if any, and a non-returnable photocopy of each
- Federal Registration Number (FRN); if none, then Social Security Number (SSN)
- \$15 in cash, check or money order
- Two #2 pencils with erasers, and a pen

[\(more info\)](#)

NEW TECH EXAMS

On July 1, 2014, new technician examinations from a revised question pool will be placed into service.

The new pool may feature questions that have not been part of most study guides. See the following:

<http://ncvec.org/page.php?id=362>

THE SPIDER IS BACK

After a period of inactivity, the **STARS** spider has returned. More specifically, the **STARS** website has been reconstructed at a new location. You can now access the site at www.wb2elw.net.

The new site coincides with the recent appointment of a new webmaster, **Don Niles, K2PMC**. The site is now accessible. However, during the transition, some of the material is still undergoing the update process.

It is expected that the site will be the ultimate reference tool for all activities and information concerning **STARS**. During the rebuilding phase, if you see anything that needs correction, or have any ideas about new inclusions, contact **Don** at k2pmc@arrl.net.

EXAM SITES

07/05/2014 [Jamestown](#)

Sponsor: CARS
Location: Prendergast Library
509 Cherry Street 2nd fl conf rm
Time: 2:00 PM (Walk-ins allowed)

07/09/2014 [Canandaigua](#)

Sponsor: SQUAW Island ARC
Location: Ontario Co. Safety Training Facility
2914 County Road 48
Time: 6:30 PM (Walk-ins allowed)



07/12/2014 [Coudersport PA](#)

Sponsor: Elk County ARA
Location: Charles Cole Mem'l Hospital—Conf. Rm.
Route 6 East
Time: 10:00 AM (Walk-ins allowed)



07/15/2014 [Meadville PA](#)

Sponsor: Crawford ARS
Location: St Brigid Church Social Hall
383 Arch Street
Time: 6:30 PM (No walk-ins)

07/19/2014 [Alexander](#)

Sponsor: Lancaster ARC
Location: Batavia Hamfest
@ Alexander Firemen Grounds
10708 Alexander Road
Time: 8:30 AM (Walk-ins allowed)

07/19/2014 [Hamburg](#)

Sponsor: **STARS**
Location: Hamburg Youth Center
200 Prospect Avenue
Time: 9:00 AM (Walk-ins allowed)



[\(control-click on City for more info\)](#)



- Free; no charge for examination

CONTEST CALENDAR



<u>Start and Finish</u>	<u>Contest Title</u>	<u>Sponsor's Website</u>
Jun 30, 0000Z - Jul 6, 2400Z	Ten-Ten Spirit of 76 QSO Party	www.ten-ten.org
Jul 1, 0000Z - Jul 1, 2359Z	Canada Day Contest	www.rac.ca/service/contesting
Jul 3, 1300Z - Jul 3, see website	CWops Weekly Mini-CWT Tests	www.cwops.org/cwt.html
Jul 5, 0000Z - Jul 6, 2359Z	Venezuelan Ind. Day Contest	www.radioclubvenezolano.org/
Jul 5, 1100Z - Jul 6, 1059Z	DL DX RTTY Contest	www.drcg.de
Jul 5, 1400Z - Jul 6, 1400Z	Marconi Memorial HF Contest	www.arifano.it/contest_marconi.html
Jul 6, 0000Z - Jul 6, 0600Z	070 Club 40M Firecracker PSK31 Sprint	www.podxs070.com
Jul 6, 1100Z - Jul 6, 1700Z	DARC 10 Meter Digital Corona	www.darc.de/referate/ukw-funksport
Jul 6, 1630Z - Jul 6, see website	OK1WC Memorial Contest	www.memorial-ok1wc.cz
Jul 6, 2000Z - Jul 6, 2359Z	QRP ARCI Summer Homebrew	www.qrparci.org/contests
Jul 8, 0200Z - Jul 8, 0400Z	ARS Spartan Sprint	www.arsqrp.blogspot.com
Jul 11, 0230Z - Jul 11, 0300Z	NS Weekly Sprint	www.ncccsprint.com
Jul 12, 0000Z - Jul 12, 0400Z	FISTS Summer Sprint	www.fists.org/operating.html#sprints
Jul 12, 1200Z - Jul 13, 1200Z	IARU HF World Championship	http://www.arrl.org/contests
Jul 12, 1200Z - Jul 13, 2359Z	Straight Key Weekend Sprintathon	www.skccgroup.com
Jul 13, 2000Z - Jul 13, 2159Z	CQC Great Colorado Gold Rush	http://www.cqc.org/contests/gold2014.htm
Jul 14, 1000Z - Jul 14, 1400Z	WAB 144 MHz Low Power Phone	http://wab.intermip.net/Contests.php
Jul 17, 0030Z - Jul 17, 0230Z	NAQCC Monthly QRP Sprint	http://naqcc.info
Jul 19, 0000Z - Jul 20, 2400Z	144 MHz Digital EME Championship	www.DUBUS.org
Jul 19, 1200Z - Jul 20, 1200Z	DMC RTTY Contest	www.digital-modes-club.org
Jul 19, 1600Z - Jul 19, 1800Z	Feld-Hell High Road Sprint	http://sites.google.com/site/feldhellclub
Jul 19, 1800Z - Jul 20, 2100Z	CQ WW VHF Contest	www.cqww-vhf.com
Jul 19, 1800Z - Jul 20, 0600Z	North American QSO Party RTTY	http://ncjweb.com
Jul 20, 0900Z - Jul 21, see website	RSGB Low Power Contest	www.rsgbcc.org
Jul 21, 0100Z - Jul 21, 0300Z	Run For the Bacon	www.fpgrp.org
Jul 26, 1200Z - Jul 27, 1200Z	RSGB IOTA Contest	www.rsgbcc.org
Jul 27, 1700Z - Jul 27, 2100Z	Flight of the Bumblebees	http://arsqrp.blogspot.com

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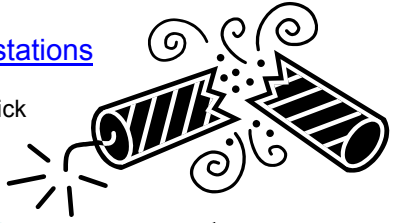


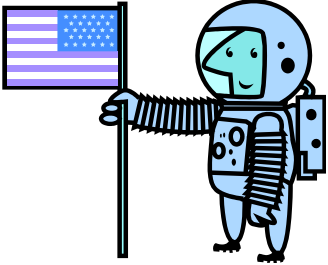
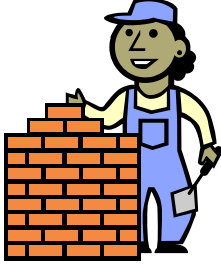





For more information on contests: <http://www.arrl.org/contest-calendar>



SPECIAL EVENT STATIONS

Full information at: <http://www.arrl.org/special-event-stations>

07/01/2014	50th Anniversary of the Roosevelt Int'l Park in Campobello Island New Brunswick	
07/01/2014	Bicentennial of the Writing of the Star Spangled Banner	
07/01/2014	Original 13 Colonies Independence Week Special Event - SC Stations	
07/04/2014	America's Freedom Festival at Provo	
07/04/2014	Independence Day at Fort Missoula	
07/05/2014	43rd Annual Smithville Fiddlers Jamboree and Craft Festival	
07/05/2014	Laura Ingalls Wilder Pageant	
07/05/2014	Laurel MD Fourth of July Celebration	
07/06/2014	Whiskey Rebellion Festival	
07/07/2014	Memorial for Captain Emilio Carranza, Mexico's Lindbergh	
07/12/2014	75 Years of Community Service	
07/12/2014	Commemorating Alliance, OH as the home of Taylorcraft Aviation	
07/12/2014	Great River Shakespeare Festival	
07/12/2014	Independence Day Special Event	
07/12/2014	K4V Special Event Station - NSS 2014 Convention	
07/12/2014	National War Plane Museum / Geneseo Air Show Special Event	
07/12/2014	Red River Bridge War	
07/18/2014	Apollo 11 Moon Landing, 45th Anniversary Special Event	
07/18/2014	Hamilton County Indiana 4-H Fair	
07/19/2014	Apollo 11 Moon Landing	
07/19/2014	Operation Red Sleigh Christmas in July	
07/19/2014	Peach Festival	
07/20/2014	2014 Catfish Days	
07/21/2014	Brickyard 400 Special Event	
07/22/2014	Sesquicentennial of the Battle of Atlanta	
07/22/2014	Western Country Cousin 50 Year Anniversary	
07/25/2014	Swiss Days	
07/26/2014	Michigan Amateur Radio Club Outdoor Hamfest	
07/26/2014	2014 Detroit Maker Faire	
07/26/2014	Commemorating Sigurjon Isfeld, the man behind the Shackleton dogs to the Antarctic	
07/26/2014	German Ridge Jamboree	
07/26/2014	Sauquoit Pack 50 Campout	
07/29/2014	100th Anniversary of Cape Cod Canal	
07/30/2014	EAA AirVenture 2014	
07/31/2014	Union County Fair	

USEFUL INTERNET LINKS

(control + click to use link)

ARRL MAIN SITE:	http://www.arrl.org/home
ARRL ATLANTIC DIV.:	http://www.atldiv.org
CONTESTS:	http://www.arrl.org/contest-calendar http://www.hornucopia.com/contestcal/perpetualcal.php
HAMFESTS:	http://www.arrl.org/hamfests-and-conventions-calendar
STARS REFLECTOR:	http://groups.yahoo.com/group/STARS-WB2ELW/
STARS WEBSITE:	http://www.wb2elw.net
TELSTAR EDITOR:	wb2elw@verizon.net