

telstar



THE NEWSLETTER OF STARS (SOUTHTOWNS AMATEUR RADIO SOCIETY)

ISSUE 308

AUGUST 2007

FIELD DAY 2007

The results are in!

Call Used: WB2ELW GOTA Station Call:
N2MRN ARRL/RAC Section:
WNY Class: 2A
Participants: 39
Club/Group Name:

Southtowns Amateur Radio Society (STARS)
Power Source(s): Generator
Power Multiplier: 2X
Bonus Points:
100% Emergency power 200
Media Publicity 100
Set-up in Public Place 100
Information Booth 100
W1AW Field Day Message 100
Site Visit by invited served agency official 100
Youth participation 100
Youth operators=5
Youth participants=8
GOTA Bonus 0
Submitted via the Web 50
Total Bonus Points **850**

Score Summary:

	CW	Digital	Phone	Total
Total QSOs	444	12	260	
Total Points	888	24	260	1172

Claimed Score = 2,344

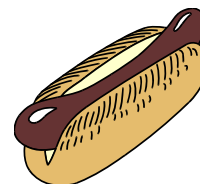
The STARS members attending Field Day this year were:



John KB2VWC
Vinny KC2RQL
Scott KB2KOL
Don K2PMC
Keith KC2DGC
Amelio KC2RQI
Kyle KC2RQO
Johua KC2RQO
John K2CF
John KA2RFT
Ken KG4KQW

AUGUST MEETING

This month's club meeting will begin at 7:00 PM on Thursday August 2 at the club's Nike Base club station (1.75 miles east of Route 20 on Lakeview Road).



It's our annual family picnic meeting! STARS will be providing hot dogs and hamburgers (to be cooked on our new grill) and soda pop. You're asked to bring side dishes, salads and desserts.

All interested in amateur radio are invited to attend. Neither club membership nor an amateur radio license is required.

The meeting will be outdoors, so don't forget to bring lawn chairs to sit on.

In case of bad weather, monitor STARS 147.090 MHz repeater for information on the status of the meeting.

Rich K12X, Jack KB2ESM, John W2IV, Judy N2TEZ, Rick NY4DX, Bruce W2ELW, Ron KA2WCU, Ken KC2AYK, Bob KA2WYE, Ed KB2KVA, Mark N2LAB, Jay KF2JY, Fred KA2TTP, and Mike N2MRN.

Thanks to all who helped make this year's Field Day another success for STARS!

Photos from Field Day 2007 can be found in the Photo Library on the STARS website www.wb2elw.com

WHERE WE'VE BEEN...

10 years ago ...from the Telstar July 1997

The STARS exhibit at the fair will have live ATV, live RTTY, operational packet (to send traffic...last year 197 messages were sent), an HF special event station that will work 10, 15, 20, and 40 meters. A new 10/15/20 meter beam has been obtained and installed and is working great. We will have an antique radio display, the SKYWARN display, a live code practice send/receive generator, and a code reader. Almost all shifts have been spoken for as of press time. .

15 years ago ...from the August 1992 Telstar

Two of the members displayed their home brew VHF antennas at the July meeting and they looked very nice. Everything for the construction of these antennas can be bought locally. One was a quad and the other a beam. The beam had a novel system where it could be dismantled and transported very easily for portable work. The quad was built by Ken KB2HRZ and the beam by Gary KB2ESN.

-From the Gossip Column by WB2EZX

Our new club constitution passed by a RESOUNDING vote of approximately 197 for, 4 opposed and 1 abstention. Thanks to all for their support.

-From the President's column by KE2VW

20 years ago ...from the July 1987 Telstar

July 18th we had our special events station. Gary KB2YJ worked his tail off with Darrin KA2ZLZ on 80, 40, and 10 meters. Guz WB2EZX had a constant struggle with all the alligators on 20. In all 138 contacts were made, not too bad but we have close to 100 people in our club. Don't you people ever turn your radios on?

-John, KA2RFT, President

VE SESSION

STARS held a VE Test Session on Saturday July 14th. The session was held at the Hamburg Youth Center (corner of Prospect and Hawkins Aves.)



The STARS VE Team led by KB2VWC included Rich K2IX, Scott KB2KOL, and Judy N2TEZ.

A "paper-upgrade" for Branden Watson W2BRW was processed.

STARS member Ken Pokigo KC2AYK passed the General test. Congratulations Ken! Now on to Extra...

If you're eligible for a "paper-upgrade" to General, we're planning on enough VEs to be at the August meeting to be able to process the upgrade. Make sure you bring the required paperwork and ID (along with copies of them).

The next scheduled STARS Test Session is September 8th. Walk-ins are allowed, but pre-registration will speed up the check-in process.

For more information, or to register for the test, contact John Crawford KB2VWC 649-5933.



WORK PARTY COMING!

The Antenna Committee is organizing a work party at the NIKE Base to work on the 40m and 80m antennas. Parts are being purchased and when the date is set, it will be posted on the STARS website and emails will be sent out.

A big turnout is needed to help rebuild antennas and serve as ground crew.

When the announcement is made, please attend!

FRANK KALINOWSKI N2KOU—SK

Former STARS member Frank Kalinowski N2KOU passed away on July 6, 2007. Our deepest sympathy to Franks' family and friends.

TELSTAR BY EMAIL

Are you still receiving a paper copy of the Telstar? Why not consider getting it by email. Why get the Telstar by email?

1. You'll receive all the latest news about STARS faster. The Telstar is posted to the web, emailed, and dropped in the mailbox the same day.
2. You'll be helping out the club by saving us costs of printing and postage.

If you would rather get your Telstar my email, send me (Judy) a note at n2tez@msn.com.

MISSING

HAVE YOU SEEN THIS STARS MEMBER?



It's been brought to the attention of the Board of Directors that former club Director Jim Sojka WB2TJO hasn't been seen at any club activities recently. Before we have his picture placed on milk carton—

have you seen him? Is he OK? Has anyone heard him on the air? Please report any sightings at the next club meeting!

Do you know of a STARS member that's MIA? Is there someone you think should be in next month's MISSING column? Drop an email to a Board member and we'll do our best to find them!



STARS

Hamburg, NY

STARS LOGO RE-VAMP

At their July Meeting, the Board of Directors agreed to the "new" STARS logo seen above.

Slight changes to the design (Radio Society has been set right side up) and STARS / Hamburg, NY has been added to the left of the design.

The Board will be looking into getting new badges and possibly lanyards and shirts made. If you'd like to help with this project or if you have any other ideas for "logo items" , please let a Board member know.



STARS has been designated a Special Service Club by the ARRL.

ARRL AWARDS

One of the most exciting facets of Amateur Radio operating is awards chasing. It's a major motivating force of so many QSOs that occur on the bands day after day. Indeed, it's a vital aspect that--if you want it--makes each and every radio contact a key element in your present or future Amateur Radio success. So transform those QSOs into beautiful certificates or plaques for your ham-shack wall!

Aside from the fun of operating itself, awards chasing is also a good way to get maximum performance from your station, become familiar with propagation, and even learn about the geography, history or culture of places near and far. The ARRL sponsors some of the more popular operating awards (if you are in the US and Possessions, Canada and Puerto Rico, you must be an ARRL member to participate), and the following is a brief summary of what the ARRL has to offer.



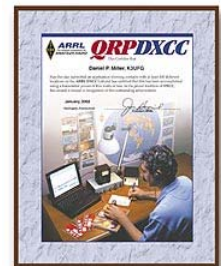
The [Worked-All-States award](#) is given for submitting confirmations from all 50 states. The cost of this award is \$10 for the certificate, or \$15 for the certificate and pin. Aside

from the basic certificate for any combination of bands/modes, specialty certificates are issued for a variety of different bands and modes such as Satellite, 160-meters, SSTV, Digital, Phone, and each VHF band. Available endorsements, for a \$7.50 charge, include CW, Novice, QRP, EME, and any single bands. The Digital and Phone awards are available for the various modes. They will be dated, but not numbered. Cards are checked by a volunteer ARRL HF Awards Manager affiliated with ARRL Special Service Clubs. To encourage increased activity and station improvement throughout the bands, the [5-Band WAS](#) certificate, at a cost of \$10.00 for the certificate or \$15.00 for the certificate and pin, is available for working all states on 5 amateur bands (except 10/18/24 MHz). Cards for 5BWAS can also be checked by your local HF Awards Manager.

The premier operating award in all of Amateur Radio is the [DX Century Club](#). The basic certificate (which can be obtained in several categories--Mixed modes, Phone, CW, RTTY, Satellite, 160, 80, 40, 30, 20, 17, 15, 12, 10, 6 and 2 meters) is awarded for working and confirming at least 100 entities on the ARRL DXCC List. Endorsements are available in specific increments beyond the 100-entity level, culminating in the coveted DXCC Honor Roll, for those at or near working them all! DXCC qualifiers are also eligible for a DXCC lapel pin, available at a nominal charge.

For those who enjoy the thrill of the hunt on more than one band, [5-Band DXCC](#) can be earned for working 100 current entities on 80, 40, 20, 15 and 10-meter bands. 5BDXCC is a good test of the DXer's operating abilities, but is well within the reach of all of those willing to work for it. 5BDXCC qualifiers receive a handsome certificate and are eligible for an attractive plaque. The 5BDXCC award is endorsable for the 160, 30, 17, 12, 6 and 2-meter bands.

The [DXCC Challenge Award](#) is achieved by working and confirming at least 1,000 DXCC band-entities on any Amateur bands, 1.8 through 54 MHz. This award is in the form of a plaque. Plaques can be endorsed in increments of 500. Entities for each band are totaled to give the Challenge



standing. Deleted entities do not count for this award. QSOs for the 160, 80, 40, 30, 20, 17, 15, 12, 10 and 6 meter bands qualify for this award. Further information on the DXCC program can be found at: <http://www.arrl.org/awards/dxcc>.

The [QRP DXCC](#) award is not just for the QRPer, although it is a proud recognition of the achievement of working 100 countries with minimal power. It is an award for all hams who want to experience the magic, or who want to use QRP as a way to start DXing from scratch all over again.

The QRP DXCC is a one-time award and is non-endorsable. You do not have to be an ARRL member to qualify. To apply for the QRP DXCC, just send a list

(Continued on page 5)

of your contacts including call signs, countries/entities and contact dates. Do not send QSLs. The list must also carry a signed statement from you that all of the contacts were made with 5 W RF output (as measured at the antenna system input) or less.

The [VHF/UHF Century Club](#) is the counterpart to DXCC for the bands 50 MHz to 300 GHz. It requires working and confirming V/UHF contacts in 2 x 1 grid square locators on all V/UHF bands. Satellite and Laser contacts count, too. Individual certificates are issued per band to those meeting initial qualifying levels, with an extensive endorsement program beyond the initial certificate. All cards must be checked by ARRL VHF Awards Managers. A VUCC lapel pin is available at a nominal charge.



Sponsored by the International Amateur Radio Union (IARU), the [Worked-All-Continents](#) award is issued for working and confirming all six continents (North America,

South America, Oceania, Asia, Europe and Africa) on a variety of different bands and modes. The cost of the WAC certificate is \$7.50. A 5-Band WAC certificate (at a cost of \$10) and a 6-Band sticker are also available. For US amateurs, cards are checked at ARRL HQ. More detailed information regarding awards is available at: <http://www.iaru.org/wac/>

- The ARRL Website

CLUB NETS

STARS club nets are open to all to exchange information on local amateur radio activities.

STARS WB2EZU Memorial HF net meets at 10AM local time on Saturdays on 3.925 MHz +/- QRM. Bob Lehning WA2YSJ is usually the net controller.

STARS co-sponsors, along with WB2JPQ, the Sunday morning RagChew Net at 9:30AM on 28.380 Mhz.

WAYNE W2ZDP EARNS WAS

Congratulations to STARS Secretary Wayne Carpus W2ZDP for earning his Worked All States certificate.

Wayne had his QSL cards checked by local awards manager Bill Pike K2ILH of Amherst. Our other "local" awards manager is Joan Frey KC2ELD of Panama, Chautauqua County.

GET WELL SOON

Our sincerest wishes for a speedy recovery to Jack KB2ESM. Jack will be undergoing open heart surgery this week.

Our thoughts and prayers are with you. And we look forward to seeing you soon!

AMATEUR RADIO EXAMINATIONS

Lancaster ARC will be holding test sessions on a quarterly basis. For information on or to pre-register for Lancaster exams, call Hal Cameron NH7R at 832-0031. Pre-registration is required.

ARATS will be hold test sessions on the first Saturday of the month (except when falling on a holiday weekend, when they will be on the second Saturday) starting promptly at 10AM at the North Tonawanda Fire Headquarters at 495 Zimmerman Street. Walk-ins accepted, pre-registration is highly recommended. For information on or to pre-register for ARATS exams, call Vic Godzik K2YW at 694-9738 or email k2yw@hotmail.com.

PROS holds test sessions as needed at 585 North Star Road, East Aurora. For information, contact Pat Murray NW2I at 652-8178.

JULY SPECIAL EVENTS

Aug 3-Aug 5, 1600Z-2359Z, San Angelo, TX. AB5BG. Honoring Col Greg Boyington and the Black Sheep Squadron VMF 214 of WWII. 40 20 15 10 m. Certificate. Don Goff, AB5BG, 1210 Ardmore, San Angelo, TX 76905.

Aug 3-Aug 6, 1300Z-2359Z, Canton, OH. Canton Amateur Radio Club, W8AL. Annual Pro Football Hall Of Fame Festival. 28.365 21.365 14.265 7.265. Certificate. www.w8al.org

Aug 4, 1200Z-2000Z, Stony Point, NY. 10-70 Repeater Association, N2S. Lighthouses on the Air event. 14.270 14.070 14.030 7.270. QSL. Herb Van Den Houten, N2OPJ, 1 Cozy Glen, Saddle Brook, NJ 07663. kc2gik@arrl.net

Aug 4-Aug 5, 0100Z-2359Z, Bristol, ME. Lincoln County Amateur Radio Club, K1LX. National Lighthouse/Lightship Weekend Pemaquid Point Lighthouse. 14.270 14.250. Certificate. John Peters, K2LOT, 154 Boothbay Rd, Edgecomb, ME 04556.

Aug 11-Aug 14, 1400Z-0000Z, Window Rock, AZ. Navajo Amateur Radio Club, N7C. Navajo Code Talkers Days. 14.265 7.265. QSL. Herb Goodluck, N7HG, PO Box 3611, Wido Rock, AZ 86515. *Times are daily.* n7hq@citlink.net

Aug 15-Aug 26, 0000Z-0400Z, Columbus, OH. John D. Kraus Memorial Amateur Radio Club, W8JK/WOW. 30th anniversary of the "WOW Signal". 7.045 14.045 7.200 14.250. QSL. Bruce Lerner, K8VEB, 734 Suntree Dr, Westerville, OH 43081. www.w8jk.org

Celebration of International Lighthouse/Lightship Weekend. Aug 18-Aug 19, 0000Z-2359Z

Cheboygan, MI. Oakland County ARPSC, K8S. 7.270 14.270 21.270 28.370. Certificate. Gary Sklar, 7296 Green Farm Road, West Bloomfield, MI 48322.

Eagle Harbor, MI. K8E. Eagle Harbor Lighthouse and two range lights. 14.275 14.030 7.275 7.030. Certificate.

www.kc8nah.com/Interests/EagleHarbor/illw07.htm

Pennsauken, NJ. KC2HOU. 28.370 21.370 14.270 7.270. Certificate. ARLHS HQ, Hamilton-Woodbine, Pennsauken, NJ 08109-1854. illw.org

Arecibo, Puerto Rico. Caribbean Amateur Radio Group, W4L. 28.485 21.285 14.270 7.085. QSL. Wilfredo Aviles Jr, KP4ARN, Urb Esteves, 7124 Ave Jose de Jesus Esteves, Aguadilla, PR 00603-7372. wavilesjr@yahoo.com

Sea Girt Lighthouse, NJ. North America DX Assoc and Neptune ARC, NA2DX. 14.260 7.260. QSL. NADXA, PO Box 357, Bradley Beach, NJ 07720.

Greenport, NY. Peconic Amateur Radio Club, W2AMC. 14.270 7.270 3.842. Certificate. Peconic ARC, PO Box 113, Peconic, NY 11958. peconicarc@optonline.net

Aug 17-Aug 19, 1601Z-2359Z, Phippsburg, ME. Merry-meeting Amateur Radio Association, N1P. Commemorating the 400th Anniversary of the Popham Colony. 7.262 7.032 3.985 3.532. Certificate. Joseph B. Randall, W1ZE, 1 Smithfield Crossing, Phippsburg, ME 04562. www.ks1r.net

Aug 18-Aug 19, 1300Z-2359Z, Asheville, NC. International Morse Code Club, W1MCW. Celebrating T. R. McElroy's 1939 World Record of 75.2 WPM. 14.270 14.038 7.270 7.038. QSL. IMCC Amateur Radio Club, PO BOX 1553, Fletcher, NC 28732. *Transmitting from the Historic Grove Park Inn. Check for updates at* www.w1mcw.org

Aug 20, 1200Z-2359Z, Provincetown, MA. Massachusetts Wireless Society, WA1MA. Centennial of the Pilgrim Monument. 18.120 14.220 7.220 3.820. QSL. Massachusetts Wireless Society, PO Box 1073, South Orleans, MA 02662-1073. www.qrz.com/wa1ma

Aug 20-Aug 22, 1400Z-2300Z, Belle Fourche, Butte County, SD. Millstone Amateur Radio Society, NØC. Dedication of the Geographic Center of the Nation Monument. 14.240 14.040 7.240/040 3.855. Certificate. Craig Nickisch, WØWN, 316 Yellowstone Place, Spearfish, SD 57783. Craig-Nickisch@aol.com

Aug 25, 1200Z-2000Z, Manassas, VA. Ole Virginia Hams Amateur Radio Club Inc, W4OVH. Civil War Battle of 2nd Manassas (Second Battle of Bull Run). 28.462 21.362 14.262 7.262. Certificate. Ole Virginia Hams ARC Inc, PO Box 1255, Manassas, VA 20108. www.w4ovh.net

Aug 25-Aug 27, 1600Z-0100Z, New Orleans, LA. W5GAD Jefferson Amateur Radio Club, W5GAD. 2nd Anniversary of Katrina and Club House Re-dedication. 145.370 21.285 14.285 7.120. Certificate. Rafael Shabetai, KD4WZJ, 5000 West Esplanade #326, Metairie, LA 70006. www.w5gad.org

Aug 25-Aug 28, 1400Z-0200Z, Lake George, MN. Courage Handi Hams System, WØEQO. 40 Years for Handihams. SSB 14.340 7.240 CW 14.140 7.040. Certificate. Avery Finn, 3915 Golden Valley Rd, Golden Valley, MN 55422. *Using call signs* **WØEQO and WØZSW.** www.handiham.org

Aug 25-Sep 1, 0000Z-2359Z, Biloxi, MS. Mississippi Coast Amateur Radio Association, K5K. Commemorating Hurricane Katrina. 21.360 18.160 14.260 7.260 3.860. QSL. MCARA, PO Box 1785, Gulfport, MS 39502-1785. *Please include SASE.*

Aug 29, 0000Z-2359Z, Various Locations, US. W1T.org, W1T. International Toroid Day -- 176th anniversary of the Toroid. 14.029 7.029. QSL. Leigh L. Klotz, Jr, 838 Rorke Way, Palo Alto, CA 94303. *Operators at locations throughout the US; for hour-by-hour modes and frequencies go to* w1t.org

JULY CONTESTS

ARRL UHF Contest, 1800Z Aug 4-1800Z Aug 5 (see Jul *QST*, p 98 or www.arrl.org/contests).

North American QSO Party -- CW, sponsored by the *National Contest Journal* from 1800Z Aug 4-0600Z Aug 5 (see Jan *QST*, page 101, or www.ncjweb.com).

Ten-Ten International Summer Phone QSO Party -- sponsored by Ten-Ten International from 0001Z Aug 4-2359Z Aug 5, 10 meters only. Exchange: call, name, state and 10-10 number (if available). For more information: www.ten-ten.org. Logs due Aug 20 to tentencontest@alltel.net or Steve Rasmussen NOWY, 312 N 6th Street, Plattsmouth, NE 68048-1302.

National Lighthouse-Lightship Weekend -- all modes, sponsored by the Amateur Radio Lighthouse Society from 0001Z Aug 4-2359Z Aug 5. Frequencies (MHz): CW -- 1.830, 3.530, 7.030, 14.030, 21.030, 28.030; SSB -- 1.970, 3.970, 7.270, 14.270, 21.370, 28.370. For more information: arlhs.com. Logs due Aug 30 to Dave Ruch, NFOJ, PO Box 20696, Bloomington, MN 55420-0696.

ARRL 10 GHz and Up Contest, 6 AM local Aug 18-12 AM (Midnight) local Aug 19 and Sep 15-16 (see this issue of *QST* or www.arrl.org/contests).

North American QSO Party -- SSB, sponsored by the *National Contest Journal* from 1800Z Aug 18-0600Z Aug 19 (see Aug 4-5).

Silent Key Memorial Sprint -- CW, sponsored by the QRP ARCI from 1500Z-1800Z Aug 18. Frequencies (MHz): 1.810, 3.560, 7.030, 7.040, 14.060, 21.060, 28.060. Categories: SOAB, SB, High Bands (20-10), Low Bands (160-40). Exchange: RST + S/P/C + QRP ARCI member number or power. For more information: www.qrparci.org. Logs due Sep 18.

CLUB REPEATERS

The club repeater (WB2ELW/R) is located near Colden, NY (147.09/.69 output/input) with a PL of 107.2 Hz). Use a PL of 141.3 for the Nike Base remote receiver. STARS honorary southern repeater (KE2VW/R) is in Arkwright, NY (146.67/.07 output/input with a PL of 107.2 Hz). The club UHF repeater is location near Colden, NY (442.325 MHz with a PL of 107.2 Hz).

STARS & ARRL Memberships

Membership in STARS is open to anyone with an interest in amateur radio. A license is not required. Membership applications may be downloaded from the club website or obtained by sending a SASE to Judy Levan N2TEZ, 120 University Blvd., Depew, NY 14043.

Annual dues are payable on January 1 and are \$21 for a single membership, \$27 for family memberships and \$8 for a student membership (through grade 12). The dues are pro-rated on a monthly basis for new members plus there is an initiation fee of \$5 when first applying to the club. For example, a new member joining in July would pay \$15.50 (6 months X \$1.75 per month plus the \$5 initiation fee).

Applications should be returned to Judy N2TEZ along with the appropriate dues. The applications will be reviewed and approved by the Board of Directors and then voted on by the general membership at the next regular club meeting.

Members who are joining ARRL for the first time or who are renewing their membership should send their ARRL membership forms to Jack Cullum KB2ESM, 6871 Webster Road, Orchard Park, NY 14127 along with a check made out to STARS. No extra cost to you and STARS benefits!

CLUB MEETINGS

Club meetings are held on the first Thursday of the month at the Hamburg Youth Center (Prospect and Hawkins Avenues) at 7:00PM. Everyone is welcome. Board meetings are held on the fourth Thursday of the month at the Nike Base Club Station at 7:30PM and are open to all club members.

CLUB HF STATION

The club Nike Base HF station is located on Lakeview Road 1.75 miles east of Route 20 next to the Hamburg Town Arena.

HAM RADIO TRIVIA

Test your knowledge with these questions taken from the QRZ.COM trivia website.

1. How many layers are found in the Ionosphere?
 - a. 4
 - b. 8
 - c. 2
 - d. 6
2. At what distance is the E layer of the ionosphere located?
 - a. 200 miles
 - b. 30-60 miles
 - c. 60-70 miles
 - d. 4 miles
3. Can the 2-meter band propagate a signal over 500 miles?
 - a. Yes
 - b. No
4. What is the peak-to-peak voltage at a common household electrical outlet?
 - a. 234 volts
 - b. 331 volts
 - c. 117 volts
 - d. 165.5 volts
5. HFpack is?
 - a. A linear amplifier using six 807 tubes
 - b. A group of four singing ham movie actors
 - c. A group of HF portable operators
 - d. A cigarette chain-smokers net on 20m SSB
6. HAAT stand for?
 - a. A large piece of headgear
 - b. Henry Association Authorized Tower
 - c. Huge Antenna Apparatus Termination
 - d. Height Above Average Terrain
7. One foot is what decimal portion of a meter?
 - a. 3/8
 - b. 0.625
 - c. 0.3084
 - d. 3.2401

8. A dynamotor is:
 - a. A motor running on dynamic energy
 - b. A motor-generator
 - c. A fingernail clipper
 - d. A motor for raising tilt-over towers
9. When is it permissible to transmit music on Ham bands?
 - a. In an emergency
 - b. When the music is not copyright protected
 - c. Never
 - d. When it feels right
10. In the world of antennas, when someone says "I'm using a stack here", what does it mean?
 - a. Many antennas on my property
 - b. Have a multi-element beam antenna
 - c. Have several multi-element antennas mounted one atop another
 - d. Several antennas on different rigs to use



STARS Board of Directors

President	Bob Koster KA2WYE
Vice President	Keith Patterson KC2DGC
Treasurer	Jack Cullum KB2ESM
Finc. Secretary	Judy Levan N2TEZ
Secretary	Wayne Carpus W2ZDP
Director	John Crawford, Sr. KB2VWC
Director	Scott Barto KB2KOL

Answers to Trivia Quiz:

1-a; 2-c; 3-a; 4-b; 5-c; 6-d; 7-c; 8-b; 9-c; 10-c.