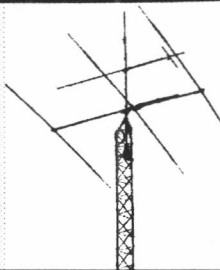


The AARC Beacon



*Amateur Radio News For
Charlottesville and
Albemarle County,
Virginia*

Volume 2001, No. 1

~~~~~

January 2001

## Inside this Issue

- 1 Meeting Notice
- 1 The President Speaks
- 2 Peep From The Veep
- 2 Happy 2001
- 3 An Appreciation of "Bow" Owen, K4QKH
- 3 FrostFest 2001 This Month
- 4 Invitation To Participate in Lewis and Clark Expedition Special Event Activities
- 5 Club Business
- 7 AARC Classified Ads
- 7 Area Hamfests
- 7 FCC Database Updates
- 7 VE Session Schedule - 2001
- 7 Birthdays This Month

## Meeting Notice

The next regular AARC meeting will be held on January 7 at the **Old Country Buffet** at **6:00 PM**. This is our annual Winter Dinner meeting and will ***NOT*** be held at the NRAO building on the UVA grounds. See you there!!

## The President Speaks

*Stan, K2SSB*

Welcome to a new year (and a new millennium, to purists!) at AARC.

I take office with a deep realization that I am "the new kid on the block." I cannot possibly know all that the Club has done over the years. I joined the Rochester Amateur Radio Association within a few weeks after I arrived in Rochester, N. Y., in November 1957. Guess what? As "the new kid on the block" at that time, within a year I was asked to be first a board member, then vice president, then president (1960-1961). I am a Life Member.

What defines the job of a president? A president is not a "know-it-all." A president is a person who gathers ideas from all over, talks them over with their originators, discusses with his peers which ones should be used and, with their "advice and consent," decides which ones to use and a timetable for their use.

I'm sure you can see where I am headed. I need to have every one of you let me know what you would like to have the Club do. What don't you know that you would like to know more about? Think about it, and then don't be bashful about telling me or any of the officers or board members. If you leave us to come up with our own ideas, we cannot possibly know whether they are what you want to know. We are here to serve you, to give you what you want. Each of you, individually, is the most important person in the Club. A Club that consists of nothing but passive listeners cannot survive. You are the life of the Club.

This new year is not my year. It is your year. Please come forward and help to make it happen.

73, Stan

## Peep From The Veep

Vic, N3DFS

Bow Owen, K4QKH – SK. No longer will we hear the friendly "Hi! Anybody!" when he entered the room.

K4QKH, Archibald DeBow "Bow" Owen became a Silent Key on Wednesday December 6, 2000. He had attended the Albemarle ARC Board meeting the evening before (he was Secretary-elect) and had just joined several of his Ham friends at Old Country Buffet some three hours before his passing. He had been a Ham about 55 years. Bow held an Extra-Class license. He was interested in also interested in bird watching, and inventing.

Bow was born on September 7, 1919, in Greenwood, MS. After graduating Tau Beta Pi from the University of Alabama, he began a long career as a professional research (electrical) engineer by serving as a Major in the U. S. Army. While in that position, he underwent training at MIT and served on the Anti-Aircraft Artillery Board at El Paso, TX. For his outstanding services he was awarded the Legion of Merit. He was involved in the development of radar in the 1930's. Bow later worked for the Sperry Corporation, and retired from Teledyne Avionics in Earlysville. Bow, at 81, was still active as a consultant in the electrical engineering field.

Bow leaves his wife, Margaret, three sons and two daughters, as well as four grandchildren. He was friendly with all he met. With a fine sense of humor, Bow was a true friend with an outstanding sense of humor. He was a gentleman!

REQUIESCAT IN PACE!

Did you know . . . ? SK is the term usually used to denote the passing of a fellow Ham. The other SK is from the Russian Svyazi Konets - Comms are Ended, as when signing off at the end of the session.

73s, Vic

## Happy 2001

Harry, W2HD

Welcome to New Year 2001... the second year of the new Millennium, at least that's the opinion of some! There are those who have stated that the Millennium began with the first of 2001 and not 2000. They weren't busy worrying about Y2K, but the calendars of 2000 years earlier and their

meaning on 31 December 1999. A recent editorial in a Ham publication discussed this subject quite thoroughly with the conclusion that it wasn't too big a deal. Frankly, when 1 January 2000 came along, I was happy to feel that I had made it into the new Millennium! No complaints here!

With all of the above, that was not to be the subject of this month's column. The subject which is considered worthy of presentation is Amateur Radio's future... new decade, Millennium or whatever. Ham Radio is facing a very interesting challenge in the years yet to be added to our historical calendar. We occupy some very valuable real estate... the latter being our bands and frequencies and not the property where we reside.

Commercial interests with many new and innovative concepts are ready to eat up the frequency spectrum for many megabucks and they have those dollars, too. So what, you say? Our bands are dedicated for Amateur Radio under international agreements. Who can fight that? Well, the countries of the world are all preparing for the next big allocation conference that isn't too far down the road. Our club had a speaker from the Washington (DC) office of the ARRL who talked to us about the possible changes in the 40-meter allocation... a change that has been considered necessary for years and years. Right now, if you operate on 40-meter 'phone, you will note many, many very big signals in several different languages. These are the short wave signals of countries desiring to tell their story around the world. Only the first 100 kHz of 40 is exclusively Ham Radio worldwide. The rest of 40 is not available outside of Region II which is North, South and Central America, because it is assigned to SW broadcast! There are plans to attempt some "shuffling" in the next conference so that our "swimming pool" will be exclusively ours and SW broadcast will have its place to "swim" in the clear.

There was once the view that the HF bands would not be valuable for commercial use, whether SW broadcast or point-to-point relay... because of the often unfriendly ionosphere. You know the problem. Sometimes your signal will be heard thousands of miles away and sometimes you're lucky to be heard at all. Well, apparently this isn't the problem it was thought to be and the commercials still want their frequencies.

Another point relates to the vhf, uhf and microwave spectrums... once considered the vast wasteland until technology developed satellites and other sophisticated gear. You may recall in months gone by the discussion of LEO's (Low Earth Orbiting) devices that threatened our higher bands. The folks looking into reliable relaying systems for their commercial use haven't given up yet. They will be there in force with dollars! And there are others, too, seeking frequencies for reliable data systems.

Sooooo, what does all this mean? Simply put, we must put our best foot forward in our use of "ALL" of our Ham Bands. Have fun, but be responsible in the operation of your

stations so that no one can point a finger and say, "Hams don't deserve their spectrum." Improve your technical knowledge and participate in public service.

73... /s/ Harry, W2HD

## An Appreciation of "Bow" Owen, K4QKH

The amateur radio community lost one of its most enthusiastic supporters several weeks ago. Archibald DeBow Owen, Sr., K4QKH, died very suddenly Wednesday afternoon, Dec. 6, 2000.

Born on September 7, 1919, in Greenwood, Mississippi, the son of Adolphus and Betty Owen, Bow graduated with a B.S.E.E. degree in 1942 from the University of Alabama, where he also received ROTC training. He immediately entered the U. S. Army, from which he was discharged in 1946 as a Major. In the Army, he was deeply involved in the development of specialized radar systems, in particular those for use at low elevation angles. Systems in use prior to his involvement were susceptible to multipath effects, such as false reflections from the surface of the ocean. This work took place both at the Radiation Laboratory of MIT, Cambridge, MA, and at Camp Davis, NC, where, as a member of the Signal Corps, he served with the Antiaircraft Artillery Board. (We accept the word radar as a common noun in today's language. We must, however, place Bow's work in the proper time perspective. "Old timers" will recall that RADAR, an acronym for Radio Detecting And Ranging, was a highly classified "secret weapon" that both originated and was made operational during World War II. It was declassified a year or so after that war's 1945 end.)

In 1946, having left the military, Bow joined Sperry Gyroscope Company. He worked for Sperry for 32 years, on Long Island, NY, as well as in Charlottesville. At Sperry, he continued his work on radar systems for some time. Later he branched out into designing and setting up local and regional VHF emergency communications systems. In the latter endeavor, he designed medical and police radio communications networks in West Virginia and in several upstate New York counties. Bow retired from Sperry in 1976 and joined Teledyne Avionics (later renamed Avionics Specialties, Inc.), in Earlysville. While there, he was involved primarily with products for aircraft flight parameter measurement. He retired from Avionics in 1997. Thereafter, until his death, he was a part-time consultant in the areas of compact HF antenna design, radar wave propagation and microwave electronics. He could always be counted on to have creative and innovative solutions to any engineering problem.

Bow earned his first amateur radio license as a teenager; his first station call was W4FAJ. He held an Amateur Extra Class

license at the time of his death. An inveterate experimenter, he was always "tinkering" with new and improved types of radio and electronic circuits. He had been a member of AARC since 1982.

Always gentle, soft-spoken and unassuming, he freely offered the benefit of his abilities and experience to all around him. Most recently, he served on the committee that nominated the AARC officers and board for the year 2001. When no other candidate appeared for the job of secretary, he offered himself for the upcoming year. He attended the AARC board meeting the evening before his death. He was nearly always present at the Wednesday luncheon of area radio amateurs at Old Country Buffet, where he could be counted on to be a vital part of any discussion. He was at OCB only a couple of hours before he died. Bow made a point of trying to meet one new person every day. He recorded the name of each new friend in a pocket notebook that he constantly carried.

Bow was deeply attached to his surviving wife, Margaret, whom he always introduced as "my bride." Three sons, two daughters and four grandchildren also survive him.

Bow will be sorely missed.

*By Stan, K2SSB, with invaluable contributions from Bow's long time close friend Roger Barron, W4EI, from Harry Dannels, W2HD, as well as from Bow's obituary in The Daily Progress.*

## FrostFest 2001 This Month

Stan, K2SSB

Frostfest 2001, the annual Amateur Radio & Computer Show, will be held on Sunday, January 21, 2001, at The Showplace, 3000 Mechanicsville Turnpike, Richmond, VA. The hours are 8:30 am until 3:30 pm. The sponsor of the show is the Richmond Amateur Telecommunications Society ("RATS").

According to the advance publicity, Forum speakers will include William Cross, W3TN, Senior Program Analyst of the FCC, Tony Amato, KR4UQ, Virginia SEC for ARES/RACES, and Ben Sager, KC4ASF, Asst. SEC.

The AARC will be maintaining a booth at the hamfest. Please contact Stan, K2SSB, if you are able to put in part of the day helping at the booth.

You may obtain advance tickets by writing to Richmond Frostfest, P. O. Box 14828, Richmond, VA 23221-0828.



## Invitation To Participate in Lewis and Clark Expedition Special Event Activities

Joe, KD4RWX

Dear Members:

Recently, I received a phone call from a member of the Clark County ARC in Washington State. During the discussion, he indicated that his club wished for our club to participate in the Lewis and Clark Expedition Special Event Station that they were planning on conducting. We were contacted because the principal individuals associated with the Lewis and Clark Expedition had lived in our community. I asked him to email me the particulars.

When I received the email, I was surprised to read that the Special Event was very involved. I then took the proposal to the AARC Board of Directors at the December meeting. Briefly, I indicated what the proposal was and indicated that we were to respond by December 31st.

The Board approved the acceptance of the invitation and I have forwarded that acceptance to the proper authority in Clark County.

We can reasonably believe that our commitment can be revoked, if necessary, after a more complete consideration by the AARC members and Board.

I am including the entire Invitation following my comments. You should read the plan very carefully. It is quite involved and has long-term commitments. But first, let me make a few comments concerning what I see as important considerations.

If the AARC is to proceed on this Lewis and Clark Special Event project there **MUST BE** a group of committed individuals who will work specifically toward the completion of our part of the project. All of these individuals must become intimately involved in the details. Sufficiently so, that they can make sure that important deadlines are not missed. Year to year transitions will be important.

My initial suggestions are as follows:

As soon as possible, the Club should focus on this project at a meeting and make a decision to participate or to not participate. That meeting should be focused on that specific topic and the determination should be made as to whether we have a sufficient number of individuals who will carry out the project, if approved. If no approval is made, then the AARC should write the Clark County Radio Club, so that they might be able to contact some other club in our area to support their project.

If approved, then ...

A committee should be established to guide the AARC's component of the Lewis And Clark Expedition Special Event Station. One of the members of the committee should be designated as the Liaison to the CCARC. That person should then establish e-mail contact and reaffirm our commitment. The Committee must meet and see that all deadlines are met, especially concerning applying for special call signs.

These comments are not comprehensive in terms of what must be accomplished.

**PLEASE READ the proposal below.**

### **THE INFORMATION WE RECEIVED**

The information below outlines a proposed special event to commemorate the Lewis and Clark expedition that crossed America in 1804-1806. The Clark County (Washington) Amateur Radio Club would like to extend an invitation to your club to participate in this event. Please respond at your convenience before the end of December if you and your club are interested in the concept and participation.

Delvin R. Bunton, N7QMT -- n7qmt@arri.net

### **Invitation to Lewis And Clark Expedition Special Event**

Rev 27 Nov 2000

The Lewis and Clark expedition (formally known as the Corps of Discovery), chartered by President Thomas Jefferson, explored the lands in the newly acquired Louisiana Purchase. This special event commemorates the expedition with about 12 stations at important points along the trail. Tentatively, there will be 10-12 stations across the country at the locations at points along the route traveled by the Corps of Discovery (also known as the Lewis and Clark Expedition.) The Clark County Amateur Radio Club of Vancouver, Washington is the sponsoring club for this event. Vancouver is located about 60 miles upstream from the westward journey; the Corps of Discovery passed by twice in their travels.

### **Event Overview**

The Corps of Discovery began when President Jefferson wrote a letter to Congress (dated 20 Jan 1803) requesting funds for the project. Co-Captains Lewis and Clark worked many months to prepare for the expedition, and actually departed from Woods River, Illinois (just north of St. Louis) on 14 May 1804. They reached the Pacific Ocean in late Nov 1805 and arrived back in St. Louis on 23 Sep 1806.

Participating clubs would each operate a station with a special call sign for a nine-day period around the events commemorated. Tentatively, we would like to operate on the following periods (specific dates will be selected later). Each station would operate from Saturday to Sunday the

following weekend during hours selected by each participating club.

- \* Jan 2002 - practice for event
- \* Jan 2003 --- Jefferson requested funds for the expedition from Congress.
- \* May 2004 --- Corps of Discovery departed from St. Louis area.
- \* Late Nov/early Dec 2005 --- Corps of Discovery reached the Pacific Ocean.
- \* Sep 2006 --- Corps of Discovery returned to St. Louis, Missouri.

### **Division of Labor**

#### **CCARC**

- \* CCARC will request a special event call sign one year prior to the next event with an assigned suffix letter.
- \* CCARC as the sponsoring club will handle national publicity (volunteers and ideas welcome) and publicity within our local area.
- \* CCARC will operate a station for each nine-day period.
- \* The CCARC as the sponsoring club will receive, process, and issue the participation certificates.
- \* CCARC will issue QSL cards for contacts with our club station.

#### **Participating clubs**

- \* Each club will request a special event call sign one year prior to the next event with an assigned suffix letter. The number should match your call area.
- \* Each club will issue QSL cards for contacts with their station.
- \* Each club will operate a station for each nine-day period.
- \* Clubs may opt out of future participation after each of the five events. Please give us enough time to fill the gap, however.

#### **Certificates**

\* Amateur stations that contact one or more of the stations (and pay the minimal fee (probably \$1.50 that will cover certificate, envelope, and mailing)) will receive a certificate. Current thinking about the certificate is a map that shows the United States, the Lewis and Clark trail, and station locations. Endorsements will be shown for the stations contacted.

- Short-wave listeners will also receive the certificate with appropriate SWL endorsements.
- 

### **QSL Cards**

Each club's QSL cards would use the assigned special event call and include some information about the expedition pertinent to the area. Examples may include a brief quote from expedition journals or a description of events near that place.

### **Station operation and call signs**

Each station would be on the air for about 9 days (two weekends and during the intervening week). We would publish starting frequencies on each band, but others can be used depending upon propagation and other factors.

Each club will request a distinctive 1x1 call sign for the events. Each participating club will be assigned a suffix letter so the stations progress from east to west "A" to whatever. We prefer that the number match the call area for each station, but have no preference on the initial letter.

### **Contact**

Delvin Bunton, N7QMT, is the CCARC Coordinator for this special event. He can be reached in various ways as listed below. We haven't thought of everything, so please ask questions if something is unclear.

Email: n7qmt@arrl.net <mailto:n7qmt@arrl.net>

Phone (day): 503.668.1452

Phone (evening): 360.256.9122

Mail: 7410 NE Glenwood Dr

Vancouver, WA 98662-3725

## **Club Business**

### **AARC Board Minutes December 5, 2000**

Attending: Pres. Bob, K4DU; Vice Pres. Dick, W4BZW; Sect. Joe, KD4RWX; Mike, N4HRO; Elmer, KF4UCI; Pete, KC4UCK; Also attending: Vic, N3DFS; Bow, K4QKH; and Stan, K2SSB. (NOTE: The Secretary-Elect Bow Owen-K4QKH became a Silent Key the next day, December 6th.)

A reminder that the Winter Dinner meeting will be held at OCB on January 7<sup>th</sup> at 6 PM.

Bob indicated that he would resign from his position as a Director because he will be taking another job that is located in another state.

Bob instructed Joe to prepare Presidential Awards for Sharon, KO4OC, Mike, AC4ZQ, Dave, K4DND and Jimmy, K4JMY.

January 2001

The Ham of the Year nomination of Elmer, KF4UCI was read. The Board approved that nomination. The members will also vote it on at the regular meeting.

Joe reported on an invitation for the AARC to participate in a Special Event program commemorating the Lewis and Clark Expedition. It was approved, subject to a later affirmation by the membership. Joe will publish the proposal in the January newsletter for the membership to review.

Upon the request of Elmer, the Board approved the purchase of a Tri-Band antenna and a Tri-plexer.

Bob indicated that the responsibilities of the Treasurer should be done as soon as appropriate.

#### Regular Meeting December 12, 2000

John Perry, N1EOD and Barbara Watson from the NOAA Weather Service presented an introduction to SKYWARN. It was a well-presented program. Individuals were invited to sign up for a Basic Class with Hein-N4FWA.

The November Minutes were approved

A one-year subscription for Thomas Dowell, brother of the late Grayson Dowell, KF4FYI/SK, was approved.

Ronan Lynch, EI6GL was approved as a new member.

Joe, KD4RWX read a brief description of a Special Event activity related to the Lewis and Clark Expedition. He indicated that the Board had approved participation, subject to a full membership approval at a later date. Information will be placed in the January newsletter describing the program.

The nomination of Elmer, KF4UCI as the AARC Ham of the Year was read and upon a motion and a second, he was approved.

Rick, KO4WQ asked about the reason for the AARC's non-active status as a Special Service Club.

The membership approved the reappointment of the Nominating Committee to fill the Board positions due to Bob, K4DU who will be resigning as a 2001 Director as he is moving to another state, and the death of Bow, K4QKH/SK, the elected Secretary. It was approved.

Greg-N4PGS made a few comments concerning the Public Service events for this year.

The meeting was adjourned.

Submitted by Joseph D. Fritz, Secretary

## *Happy New Year!*

## *Best wishes and Happy Hamming for 2001!*

***Reminder ---***

***Club Dues for 2001 are  
now due***

## AARC Classified Ads

All items must be related to amateur radio and must be surplus to the owners operation (i.e. no dealers or for profit). Price may be listed if desired. **Note:** Check also the WA4TFZ/AARC web page at [members.aol.com/wa4tfz/aarc](http://members.aol.com/wa4tfz/aarc). Please note that all small letters must be used for this address. New ADS may be placed directly to the Editor: 804 990-2659 or via E-mail at [k4uvt@yahoo.com](mailto:k4uvt@yahoo.com). Please let K4RKA know when items can be deleted from this file.

Updated 5/26/00

**12/14/00 WANTED:**  
**Hickock Tube Tester**

Call Carter, WD4AYS at 804-979-7383

**12/14/00 FOR SALE:**  
**Alinco DR-570T/E dual band mobile**

Has CTCSS & DTMS and is cross band capable. In excellent condition with manual & mounting bracket. Too big for new car. Call Rick, KO4WQ at 804 823-1128

**12/14/00 FOR SALE:**  
**Items from Grayson, KF4FYI estate**

Here is the list of items that Grayson's brother Tommy wants to sell. Please help if you have any need for any of these items.

- One tri-band VHF/UHF antenna. No model numbers (Has three lumps in radiator so I assume it is a tri bander. Probably radio shack.)
  - Two CB antennas. No model numbers. (Assume CB, cannot really tell) One has good-sized chrome plated loading coil (probably a spring).
  - HTX 404 UHF HT with speaker mike. (\$100 min)
  - HTX 202 VHF HT with speaker mike. (\$100 min)
  - 1939 vintage tuner, Globe Matcher SR model AT-4.
  - Radar Detector, Cobra Trapshooter RD-300 (not legal in Virginia)
  - Antenna tower (Was on Piney. Might work for home use.)
  - TRC-504 40 channel CB, Radio Shack.
  - RF modulator, TV audio and video.
  - Radio Shack mobile rig, HTX 212. (\$100 min)
  - 3 Speakers in plastic box. Radio shack models 8 ohms 5 watts. P/N 21-549B. About 5 or 6 inches square and 3 inches deep. One is brand new still in cardboard box. Good for car or shack use.
  - 2 Battery boxes. Galvanized steel box with Gates cells.
  - RF adapter BNC to PL 259
  - 2 CB HT (J C Penney - basically toys)
  - Box of assorted (mostly 1/4 and 1/2 watt) resistors asking \$15 (1 foot square box of assorted resistors).
  - Movie projector. Looks like 16 mm. A Commercial portable unit such as used in schools.
- Call Tommy at 804 293-4885, Saturday and Sunday after church.  
Posted by Mike, AC4ZQ

## Area Hamfests

**Richmond, VA**  
**FROSTFEST 2001**

Sunday, January 21, 2001 at The Showplace, 3000 Mechanicsville Turnpike, Richmond, VA. Hours are 8:30 AM until 3:30 PM. Sponsored by the Richmond Amateur Telecommunications Society ("RATS").

## FCC Database Updates

### New Calls

None Received

### Upgrades

None Received

## VE Session Schedule - 2001

**January 6**  
**Fredericksburg**

**(W5YI VEC)**  
**V DEN ARC**

Edward A. Forman (540) 439-0568  
EFORMAN@EROLS.COM  
9:30 AM (Walk-ins allowed)  
**PRE-REGISTRATION REQUESTED**  
Salem Church Library - MTG Rm B  
2607 Salem Church Rd  
Fredericksburg, VA 22407

**January 21**  
**Lynchburg**

**(ARRL VEC)**  
**AB4M**

Charles L. Beard (804) 832-7651  
1:30 PM (Walk-ins allowed)  
**PRE-REGISTRATION REQUESTED**  
Central Virginia Comm. College  
Room 2504 - Amherst Bldg  
3506 Wards Rd  
Lynchburg, VA

## Birthdays This Month

|         |        |         |
|---------|--------|---------|
| Jan. 1  | KC4TQF | Bill    |
| Jan. 2  | K4TY   | Charles |
| Jan. 6  | K4NZ   | David   |
| Jan. 8  | KE4DDR | Don     |
| Jan. 8  | KF4NOO | Frank   |
| Jan. 17 | KA4JJD | Mike    |
| Jan. 19 | KF4UTD | Ed      |
| Jan. 24 | WB5BNT | Tommy   |
| Jan. 25 | KD4SOC | Bill    |
| Jan. 29 | W2BR   | Bob     |
| Jan. 31 | K4MTX  | Casey   |



**Albemarle Amateur Radio Club**  
**P.O. Box 6833**  
**Charlottesville, VA 22906**  
<http://members.aol.com/wa4tfz/aarc/default2.html>



**THE AARC BEACON**  
**Vol 2001 No. 1**  
**January 2001**

**ISSUE DEADLINE - 23<sup>rd</sup> of each month**

**Contact Information**  
**Daniel R. (Bob) Dorsey, Jr. K4UVT**  
**PO Box 977**  
**Charlottesville, VA 22902-0977**  
**(804) 990-2659**

**K4uvt@yahoo.com or k4uvt@earthlink.net**

**KA4JJD G 2000**

**CURRENT MEMBER**

**Michael F. Rein**  
**109 Sturbridge Rd.**  
**Charlottesville VA 22901**

**\*\*\* Next Club Meeting \*\*\***

**January 7 - 6:00 PM**

**Old Country Buffet**

**CLUB MEETINGS and NETS**

**REGULAR Meeting:** Second Tuesday of each month at 7:30 PM

**BOARD & TECHNICAL Meetings:** First Tuesday of each month at 7:30 PM

Meetings are held at the National Radio Astronomy Observatory (NRAO) building on Edgemont Road (UVA)

**LUNCHEON:** Wednesdays -- Area hams gather at the **Old Country Buffet** (OCB) next to TOYS R US on Rte 29 North from 11 AM - 1 PM

**Monday Night Information Net** -- Each Monday at 7:00 PM

**YL Net:** First Monday of each month at 8:30 PM

**Northern Piedmont Emergency Net / Swap Net / Technical Session:** Each Thursday at 8:00 PM

**All Nets are held on the 146.760 repeater**

**AREA REPEATERS**

**WA4TFZ**

**INPUT/OUTPUT**

**Tone Access (If needed)**

146.160/146.760  
 146.325/146.925  
 223.160/224.760  
 449.250/444.250  
 145.030  
 145.030

88.5 Hz  
 88.5 Hz (if enabled)  
 No Tone  
 151.4 Hz (If enabled)  
 MACHO Node  
 CHO Packet Bulletin Board

**Other Area Repeaters**

145.410 (-) 100 Hz Tone (if enabled) -- **AF4CY (Madison)**  
 442.075 (+) 151.4 Hz Tone -- **KF4UCI**

**AARC CALENDAR OF EVENTS**

| DATE        | EVENT                |
|-------------|----------------------|
| January 7   | Regular Club Meeting |
| December 12 | Regular Club Meeting |

**AARC - PUBLIC SERVICE SCHEDULE**

| DATE | EVENT |
|------|-------|
|------|-------|

Please sign up at meetings when the SIGN UP CLIPBOARD is passed around. You can also send an email to Greg (N4PGS) indicating your interest in working particular events.