



# AARCOVER

**Bulletin of Austin Amateur Radio Clubs**  
Austin Amateur Radio Club  
Austin Amateur Television Club  
Austin Repeater Organization

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September 2005

Issue 9-2005

## **Amateur Radio Awareness Day is Saturday, September 17.**

The ARRL will be among dozens of organizations and agencies participating in National Preparedness Month in September. The campaign, headed by the US Department of Homeland Security <http://www.dhs.gov/dhspublic/> is aimed at making citizen preparedness "a priority for every city, every neighborhood and every home" in the US. The League will combine its role in National Preparedness Month with its own "Amateur Radio Awareness Day" on September 17.

We are especially encouraging hams to invite their local Citizens Corps leaders to come and see Amateur Radio installations.

"The two events offer great opportunities for Amateur Radio to showcase its valued service to the nation," said ARRL Field and Educational Services Manager Rosalie White, K1STO. She encouraged ARRL-affiliated clubs and Field Organization volunteers to take advantage of the occasion to set up public demonstrations of Amateur Radio and to present or even demonstrate--under the banner of National Preparedness Month--the free services Amateur Radio provides to the community.

"This is also an excellent opportunity to recruit prospective hams for licensing classes that clubs may be forming for the fall," ARRL Club/Mentor Program Manager Norm Fusaro, W3IZ, added. In addition, ARRL encourages all Amateur Radio operators to have a family emergency communication plan in place in case of an emergency, such as a severe weather event. Visit the Ready.gov <http://www.ready.gov/> Web site for more information.

### **Periodic Events**

|       |                        |  |                      |
|-------|------------------------|--|----------------------|
| Sun   | 7:30 p.m.              | Travis ARES net                                | 147.36 MHz + (131.8) |
| Sun   | 8:00 p.m.              | Travis ARES Packet                             | 145.73 MHz -         |
| Sun   | 8:00 p.m.              | Williamson ARES net                            | 146.64 MHz - (162.2) |
| Sun   | 9:00 p.m.              | ARO Swapnet                                    | 146.94 MHz -         |
| Sun   | (After Swapnet)        | Newsline                                       | 146.94 MHz -         |
| Mon   | 6:45 p.m.              | Hays ARES net                                  | 147.10 MHz -         |
| Tues. | 8:00 p.m.              | Bastrop ARES Net                               | 443.750+ (114.80)    |
| Wed   | 8:00 p.m.              | Code Practice                                  | 146.94 MHz -         |
| Wed   | 11:30 a.m.-1p.m.       | Ham Social Luncheon, Jim's at 183 & Burnet Rd. | 837-1119             |
| Thu   | 11:30 a.m. - 12:30p.m. | Lunch, Waterloo Ice House                      | 444.1 MHz+           |
| Sat   | 7:00 - 8:30a.m.        | Breakfast, Waterloo Ice House, 8600 Burnet     | 444.1 MHz +          |
| Sat   | 9:00 a.m.              | Chapter 67 QCWA QSO Net.                       | 3.920 MHz LSB        |
| Daily | 6:30 p.m.              | Central Texas Traffic Net                      | 147.14MHz+           |

## The QCWA QSO

Keith Zimmermann, K5WX



The September meeting will be at 2 PM on Saturday, September 17th at Denny's at 7820 Burnet Road. This Denny's location is on Burnet Road between Anderson Lane and Northcross Drive.

The program for the September meeting will be on integrated packet/gps/voice/atv/weather systems. Bil, WB5SYS, will be demonstrating his portable emergency communications station. It fits inside a single igloo-type ice chest. It includes 2 meter packet with global positioning satellite data, a voice transceiver, an amateur television station, and a basic weather station. He recently used it at the MS150 bike ride at the Bastrop, Texas water stop.

All are welcome to join us for the meeting whether you are a member or not. A number of folks will be there at 1 PM for lunch. Or just come and have a dessert and coffee with us at 2 PM. Or just come to see the gang!

Wednesday night continues to be Code Practice Night on the 146.94 MHz repeater. You can check your copy at [www.qcwa.net](http://www.qcwa.net). Bil, WB5SYS, starts the code speed at 3 words per minute and progresses to 10 words per minute (and sometimes faster).

Always check the QCWA Chapter 67 web site at [www.qcwa.net](http://www.qcwa.net) for meeting location and times. Remember, you don't have to be a member to attend. This is a great opportunity for folks to come together. There is also an Austin QCWA e-mail reflector at Yahoo Groups under AQCWA. Or, just call Keith, K5WX, at 258-7169 or e-mail to [K5WX@QCWA.net](mailto:K5WX@QCWA.net) if you have questions.

### Ten-Tec is announcing the successor to the ORION transceiver today: ORION II.

By Scott Robbins, W4PA Product Mgr.

We anticipate the new transceiver will be ready for shipment by October 1st. There are a number of changes and enhancements to the new transceiver, and the retail price has increased. I'm sure in the days and weeks ahead numerous inquiries about the new rig will need to be answered by us - any questions you have about the new rig I hope I (and we, at Ten-Tec) will be able to answer.

We are taking orders for the new rig effective immediately. Please see the initial announcement at: <http://radio.tentec.com/Amateur/Transceivers/TT565>

## Ham Radio Volunteer Exam Results

**ARRL VEC** – The following are the results of the ARRL VE test session held at the ARRL Texas State Convention (AUSTIN SUMMERFEST) in the Red Lion Hotel on August 6th, 2005:

### Technician Class Licenses Processed

Paul F. Farrington                      Anonymous  
Dennis L. Thompson                  Gary W. Trott  
Anonymous

### General Class Licenses Processed

Robert K. Gilpin, KD5ELU    Howard E. Hamilton, KC5RPI  
Mitchell J. London, KD5HCV    Johnnie D. Nelson, KE5FRY

### Extra Class Licenses Processed

Charles R. Mathis, KM5YK    William C. Mueller, W5VSD  
Anonymous                      Douglas E. Sutherland, K8DYU  
Jennifer L. Van Gorkom, N5VRF

### Element 3 (General Class) CSCE Issued

Robert O. Blackburn, KE5IAJ    Richard M. Coleman, KE5FHL  
Otis S. Pattillo, KE5FHM        Dario M. Vargas, KD5RGG

### Examiners Participating in this Test Session

Jon Boles, K5AEM                      Pete Brunet, WS4G  
Tony Davee, KM5JH                  Larry Gunter, WB5BEK  
Jerry Jackson, N5UJ                  Tom Nevue, W2MN  
Carol Thiel, N5TLY                      Joe Thiel, N5SMN

### Next Two ARRL/VE Test Sessions

September 10th - LCRA Harry Shapiro Bldg. Room S433  
October 8th - LCRA Colorado Room (N. of Shapiro Bldg.)  
TNX ES 73 DE W5HS Joe

**W5YI-VEC** - The South Austin W5YI VE team heartily congratulates all of the following people who earned new or upgraded amateur radio licenses at our August 20<sup>th</sup> session:

**Extra Class** – Kenneth G. Keese, K5KGK

**General Class** – Charles J. Weinzirl, Jr., N5ZAS

**Technician Class (all new licensees)** –

Lauren M. Bocock                      Dolores Reading  
Barbara J. Richardson                  Another applicant earned  
element credit without upgrading.

### Our volunteer examiner were:

Rick Bartel, AD5HT                      Tony Lyon, KJ5XF  
Hugh Brown, NT5O                      Jimmy Mercer, N5WDH  
Lloyd Goehring, N5TO                  Sam Mihalik, KM5MY  
Jim Greenwood, AB5EK                  Thomas Visel, NX1N

**Our next two sessions:** September 17<sup>th</sup>, 2005 and October 15<sup>th</sup>, 2005 For additional information regarding our amateur radio examination sessions, please contact Jim, AB5EK at (512) 327-6184 or by e-mail to [hamradio-exams@hotmail.com](mailto:hamradio-exams@hotmail.com) or visit our web page at <http://texashams.org/w5yi-austin/>

**Exam fee is \$14.00**

**Please bring two forms of identification plus your social security number.**

**Sessions are accessible to handicapped applicants.**

**No pre-registration is required.**

**Walk-ins are welcomed.**

Austin Amateur Radio Club, Inc., PO BOX 4739, AUSTIN TX 78765-4739, Web site: <http://www.austinhams.org>

|                                 |               |        |          |                    |
|---------------------------------|---------------|--------|----------|--------------------|
| President                       | John Suchyta  | KG5O   | 261-4931 | kg5o@arrl.net      |
| Vice President                  | Jeff Schmidt  | N5MNW  | 255-6753 | n5mnw@arrl.net     |
| Treasurer                       | Jerry Jackson | N5UJ   | 832-5663 | jerry@gaj.com      |
| Secretary                       | Lee Cooper    | W5LHC  | 260-7757 | w5lhc@arrl.net     |
| Editor, AARCOVER                | Mitch London  | KD5HCV | 326-3096 | kd5hcv@arrl.net    |
| Technical (Repeater Contact)    | Ed Golla      | K3AHS  | 255-4818 | edgolla@hotpop.com |
| ARRL Travis Co. Emer. Coord.    | Don Dudley    | AC5YK  | 301-8745 | ac5yk@yahoo.com    |
| ARRL Public Information Officer | Roger Wines   | W5WIA  | 453-2193 | w5wia@arrl.net     |

Please contact a club officer, attend a meeting, or mail us to join the organization.

**The Austin Amateur Radio Club, Inc.** has a membership dues of \$20.00/calendar year (\$30.00 family to the same address)  
**The Austin Amateur Radio Club, Inc.** AARC maintains the following repeaters. An open autopatch and emergency power on 146.78 MHz and an emergency HF/VHF station at the American Red Cross building. Persons residing or working within the coverage area are expected to join the club, if they use the autopatch. Non-residents on short visits are welcome to use this autopatch. 146.88MHz (-600) with autopatch; 146.94 MHz (-600) used for Weather Net when called, and Travis County ARES. It is also used for Swapnet and Newline @ 9p.m. Sunday; 224.80 MHz (-1.600); 444.10 MHz (+5); & 145.01 <MHz packet NetROM node (KB5PM-1 or alias AUS). Persons residing or working within the coverage area are expected to join the club, if they use the autopatch. Non-residents on short visits are welcome to use this autopatch. **The 146.78 and 146.88 repeaters have open autopatches.** Please transmit your call **before** sing the phone patch. Press \* and dial the phone number to place a call. Do not unkey after the \*. When finished, press # to hang up the phone. Dial 911 (no \* needed) for emergency services.

### AARCOVER Information

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Viewpoints expressed in the AARCOVER do not necessarily reflect those of any club, or of its members, directors, or officers.

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Members and other readers are encouraged to submit material for publication. Call Mitch London, if mailed submissions are required. Electronic files are encouraged! Submissions may be edited for publication. **Deadline is the 15th of the month.**

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**Thanks to Jerry Jackson, N5UJ, who mails the AARCOVER each month!**

**For Changes in your ADDRESS, PHONE NUMBER or CALL SIGN:**

**See Jerry Jackson, N5UJ (512) 832-5663      [jerry@gaj.com](mailto:jerry@gaj.com)**

**Jerry handles all changes for AARCOVER mailing labels & membership information & roster questions.**

### **Who Invented the Telephone??**

On June 15th, 2002, the US Congress officially recognized Italian inventor Antonio Meucci, and not Dr. Alexander Graham Bell, as the invention of the telephone. Between 1850 and 1862 Meucci developed at least 30 different models of telephone. He was too poor to protect his inventions with a patent. In 1871 he managed to obtain a cheaper official document called a 'Caveat' stating his paternity of the invention (that he called teletrophone).

As reported by some, the means of the discovery of sound over wires was rather similar to the well-known story. Only it was Meucci in Havana where he had developed a method of using electric shocks to treat illness which had become quite popular in Havana. One day, while preparing to administer a treatment to a friend, Meucci heard an exclamation of the friend, who was in the next room, over the piece of copper wire running between them. The inventor realized immediately that he held in his hand something much more important than any other discovery he had ever made, and he spent the next ten years bringing the principle to a practical stage.

Meucci moved to New York, but was severely hampered by the fact that he knew only Italian and Spanish. In 1855, when his wife became partially paralyzed, Meucci set up a telephone system which joined several rooms of his house with his workshop in another building nearby, the first such installation anywhere.

After a serious accident in which Meucci was hospitalized with severe burns following an explosion aboard a steamship, his wife sold his early models to raise needed cash. In 1874 Meucci gave new models to the vice-president of Western Union Telegraphs, and in 1876 was surprised to read in newspapers that Alexander G. Bell was credited of this amazing new invention. Meucci died a poor man in 1889 in New York City. After 113 years, the Congress officially stated that Meucci was to be considered the inventor of the telephone. There are allegations of collusion between the powerful Dr. Bell and the Patent Office that caused much of Meucci's records to be mysteriously "lost" although Dr. Bell was stripped of his patent in 1887. Because Meucci's Caveat has expired, he was not acknowledge as the inventor at that time.

From <http://tinyurl.com/asb3e>

See also: <http://tinyurl.com/7umzl>

## **AARC Meeting, August 2nd, 2005**

The meeting was called to order at 7:15 pm by Vice President Jeff Schmidt, N5MNW, at the ARL labs 10100 N. Burnet Road, Austin Texas

**Visitors:** Jim Roby, WA5CFH and Daniel Barkelew, No Call were visitors to the meeting tonight.

**Monthly Drawing Winner:** Roger, W5WIA won the monthly door prize, a 2005 /2006 Repeater Directory

**Minutes:** The July 2005 meeting minutes were not approved as published as a problem with the printer caused the newsletter to be mailed out later than usual and had not been received by most.

### **Officer Reports:**

**President:** No report

**Vice President:** Jeff, N5MNW presented an update on the Austin Radio Roundup swap meet that will be held on the 1<sup>st</sup> weekend in November. Plans with the VFW Post 8787 have been firming up and we should have details available for publishing soon.

**Treasury Report:** No report this month although Jerry needs any receipts for FD purchases now.

**Secretary Report:** Lee, W5LHC reviewed some of the upcoming events that may be of interest to members. September is the official National Preparedness Month and there are several events that will be occurring related to that:

- 1) September 12<sup>th</sup>, BOMA, the Austin Building Office Management Association will be holding a demonstration of first responder's response to a disaster in our downtown area by holding an evacuation of City Hall. This will be tied into vendors and demonstrations by EMS and Austin Fire Department.
- 2) The Local Emergency Planning Council (LEPC) will be holding a two day conference, along with exhibit booths at AMD in Austin. The dates will be on 14<sup>th</sup> and 15<sup>th</sup> of September. ARES and OEM CERT will have booths there and we are looking for some folks to help man the booths. The seminar is weather related and Troy Kimble will be the keynote speaker.
- 3) The 17<sup>th</sup> of September is Amateur Radio Awareness Day and there will be a 15 hour emergency power QSO event being held around the country. See Austinhams.org for details.
- 4) Allen Pitts, W1AGW, the Media and Relations manager from ARRL will be at Summerfest.

**Ham of the Month:** Jim Roby, WA5CHF was nominated for Ham of the Month for coming through on an offer to present something different as the AARC meeting presentation. Jim has been a woodcarver for a good many years and truly enjoys it. He regularly attends the Saturday breakfast at Waterloo Ice House. It is good to know that some hams have other worthwhile hobbies. Thanks to Jim for demonstrating his expertise on a subject that many of us find fascinating. Submitted, Jeff Schmidt N5MNW.

### **Committee Reports:**

**Events Committee:** No report

**Programs Committee:** The September meetings will feature a return of Ed Travis to the AARC meeting with his new improved 360 degree camera system and Scott Chrestman will be at the Hands on Hamming session to discuss Mobile Internet Computing.

**Finance Committee:** Need Chair

**Technical Committee:** Stuart, K5KVH reports the noise on the 146.88 repeater coming from the Mopac /1325 area has gone away. We think it may have been resolved though the construction in that area but will be monitoring to see if it returns.

**Big Project Committee:** Jerry, N5UJ reports that due to construction at LBJ High School the radio club location has been disassembled and is currently in storage awaiting construction completion. AISD and Del Valle ISD's are wanting to place ARCHES stations into ALL of their schools as part of the emergency response plans.

**Membership Committee:** No report

**Editor:** Mitch, KD5HCV reported that he has upgraded the MS Publisher software used to create the newsletter. Equipment issues at the printer will cause a delay in the AARCover getting mailed out before the next meeting.

**Old Business:** None

**New Business:** John, KG5O stated that he will begin to seek nominations for the 2006 slate of Officers for AARC. Be prepared to nominate yourself for one of the positions or be thinking of someone you would like to see as an officer next year.

**Announcements:** Rick, KD5ABM asked for assistance at Summerfest to help with the tailgate parking duties..

Roger, W5WIA announced that new ham classes (technician) will be held at the EOC starting in September. Contact him if you know someone interested in attending OR if you would be willing to help out with teaching some of the classes.

### **Volunteer Opportunities:**

- JOTA, October 15 -16
- Radio Roundup, November 4,5
- Christmas Party, December 13?
- Various volunteer opportunities & ARES

**Adjourned at:** Meeting adjourned at 7:55 pm

**Program:** The presentation was on woodcarving and was presented by Jim Roby and friends from the local woodcarving club here in Austin. It was a fascinating view of the tools and techniques used to carve wooden figurines.

Respectfully Submitted,

Lee H. Cooper, W5LHC

## How to Change Scaling w/o Lots of Test Equipment or Setup

On Glowbugs, a tube rigs reflector, Jim N2EY posted this hint on reusing milliamp meters at another full scale range. Here is how to Change a ma Meter current measurement scale:

Connect the meter to a power source through a resistor chosen to allow 10ma of current flow through the meter. The meter should go to full scale at 10ma. Now grab a convenient length of magnet wire. Just about any gauge will do. #20 to #26 might be convenient. Use about 3 feet of the wire and connect it across the meter terminals. The meter reading should decrease from full scale. The amount of the decrease will give you an idea of how much more or how much less wire you will need for the shunt. Don't worry about winding the wire neatly. Just let it lay on the bench until you get a length that will reduce the full scale reading to 1/10th scale (1ma through the meter with a total of 10ma through the meter and shunt. Later you will be using this ratio to pass 90ma through the shunt with 10ma through the meter and you will have a 100ma meter.

Once you have the wire length determined for the shunt, you can wind it neatly on a high value resistor body and wire across the meter terminals.

I've used a variation of this method since forever. Here's my variation:

I get a VOM or other meter that reads the desired range, say 100 mA in this case, and wire it in series with a battery, adjustable resistor, and the meter to be shunted. Then it's a simple matter to select the shunt wire for the meter to be modified, so that both meters indicate the desired current (100 mA).

This variation checks the modified meter against a known-value one, which is always a good idea with used meters of unknown history. Used meters (unless sealed) may have been modified by previous owners by the removal or addition of shunts or multipliers, swapping of scales, etc. Some meters were meant for use with external shunts, too.

Most insidious of all is the "steel panel" issue. Some meter designs have their accuracy changed by the type of panel they are mounted in. Meter makers compensated for this by specifying the type of panel. Meters meant for steel panel mounting will read low when mounted away from ferrous metal.

Always a good idea to check against a known-good meter, like a VOM. Then you're sure.

These empirical methods works much better for me than formulas. Here's why:

In most cases the resulting meter internal resistance and shunt values are very low - typically a 10 mA meter will have an internal resistance of only a few ohms, so the shunt for 100 mA will be an ohm or less. Not so easy to measure accurately.

Worse, the accuracy is dependent on a number of measurements and calculations. It's probably a safe bet that you can get a more accurate measurement of 100 mA easier than you can get of a fraction of an ohm.

One last caution - wiring. When wiring the shunt into the circuit, connect the shunt so that the main path is through the shunt itself, and the meter connects across the shunt - not the other way around. It should be set up so that the only possible failure that will put 100 mA through the meter is if the shunt opens up.

73 de Jim, N2EY

## What makes amateur radio unique is ...

that we can communicate with one another, anywhere in the world (and even in orbit), without having to rely on any infrastructure whatsoever. Experienced radio amateurs take for granted that we can do this, but in the general public there is very little awareness of our abilities. So, what better way to mark Amateur Radio Awareness Day (this year on September 17) than by calling attention to this unique capability? It is particularly appropriate since September is the Department of Homeland Security's National Preparedness Month.

September QST (page 49) announces that on September 17 there will be a 15-hour Emergency Power Operating Event for stations operating "off the grid." It is not a contest. It is simply a demonstration of what we amateurs can do without having to rely on the commercial mains, and what we WILL do whenever the need arises.

We hope home stations operating on batteries or generators, mobiles, and possibly even some portables will participate, although -- unlike Field Day -- the emphasis is not on setting up a temporary station, but rather on operating your regular station on emergency power. In particular, W1AW will be on the air on emergency power for the event. I hope we can work stations operating on emergency power in all 50 states This could be a significant media event. In any case it should be a lot of fun, and we may even learn something! 73, Dave Sumner, K1ZZ

## Tower Mounted Fold Over Vertical

Steve Bosbach KW5V

This project evolved out of establishing a new ham shack at a new residence. I down sized from my previous spread with an 80' tower out back to a much smaller residence with a vertical. My experience with verticals was mixed. I had terrible experiences with them in low areas surrounded by trees and buildings. I also had excellent experiences with them in the clear from a high location. My new residence was a mixed bag also, with a fairly good take off angle to the north and west, but surrounded by dense low cedar and oak.

What I was envisioned was a short tower, bolted to the eaves of the house and supporting the vertical above the level of the roof and trees. If a non ground dependent antenna was used, performance would be reasonable, at least for a vertical. A short tower of about 25 feet was erected along side the house and a Hy-Gain Patriot AV-640 vertical antenna purchased to go on top. I had originally planned to mount the antenna mast, parallel the upper tower section leg, and just u-bolt it to the tower. I found the flex in the antenna to be excessive in a high wind however, so it needed light guys from near the top of the antenna. I also wanted the flexibility to tweak the tuning without completely dismantling the antenna. Both of these requirements meant being able to get at the upper section of the antenna while still on the tower. The only reasonable solution is a tilt over mount at the top of the tower. This would permit tuning and repair of the guys from the roof of the house without a complete tear down.

I first figured out where I needed the antenna to fall when tipped over and if it would clear all power lines and limbs. Next was a trip up the tower to measure and mark and develop the pattern for the mount. A cardboard prefab of the mount was built to test the clearances for bolts, cable, pivot and angle to the roof. From the final tweaks on this, a steel mount was assembled.



**The mount itself** is made from ¼ inch steel plate and secured with ¼ inch bolts, and is configured like a letter L, with the pivot bolt near the top of the L. As the top of the tower is significantly above the highest point on our single story roof, the antenna must be able to swing through more than 90 degrees for me to reach it from the roof. This just meant the vertical portion of the mount needed to be higher for the tipped over antenna to clear the edge of the top section of tower. (this is why I prefabricated the mount). I also realized the mount needed to overhang one tower leg, so with the antenna mast vertical, it could be secured parallel to the tower.

After getting the mount on the tower, **I secured a standard manual boat winch** at the bottom of the tower. The antenna was hauled up by its bottom end from the roof and secured in the pivot bolt of the mount. The cable on the winch was replaced with longer and lighter, 1/8 inch cable, and run to the top section of tower through pulleys where it connected to the bottom of the antenna mast. Getting the antenna vertical, often a scary proposition for one person on the ground, became easy money with the winch from the bottom of the tower. I also secure the mast with a couple of u bolts to the top tower section just to be safe. When I needed to adjust the tuning, it was a simple matter to disconnect the u bolts and winch it down to the roof where I could stand and work on it. It's all a one man operation.

By the way, the antenna does very well for a vertical, snagging it's share of DX in a lousy sunspot cycle. Yes, the noise level is higher with a vertical and I can't work everything I can hear, but the compromise is a good one for my limited space location.



## Austin QRP Club Outing

Scott McMullen, W5ESE

The Austin QRP Club is planning an outing to McKinney Falls State Park on October 8. Typically on AQRP outings, our group will have about a half dozen QRP stations set up, with various wire antennas suspended from tree limbs or loaded whips. This isn't for a contest or other large operating event; just a casual and relaxing day playing radio and visiting along the banks of Onion Creek.

The official time to start is 11 AM, though several will probably arrive to begin setting up not long after the park opens at 8 am. We will be set up in the park picnic area not far from the 8 primitive camp sites along Onion Creek. Anyone interested in QRP is welcome to participate. If you have a field portable QRP setup, please feel free to bring it.

Information about the park, including a map, can be found at: [http://www.tpwd.state.tx.us/spdest/findadest/parks/mckinney\\_falls](http://www.tpwd.state.tx.us/spdest/findadest/parks/mckinney_falls)

Any updates will appear on the Austin QRP Club web site at <http://www.qsl.net/kq5rp>

## **Austin Radio RoundUp Latest Information:**

Nov 4-5 2005 VFW Hall 8787 Take Braker exit, proceed N on IH-35 access ~1/2 mi to VFW Road- turn right.  
See [www.AustinHams.org](http://www.AustinHams.org) for more info

Large Main Hall #3 (80'x66') is well-ventilated. Main Hall #3 will be a No-Smoking area for the entire Fri-Sat event.

30-40 RV spaces directly behind Hall. \$5 to hook up, \$5 to dump. Please call VFW Hall 836-8767 to reserve or ask RV-related questions. \$1 admission includes 1 raffle ticket, additional 6 for \$5 Tables- \$10 w/o \$15 w/elx Wall commercial vendor spaces w/elx available.

Door Prizes every 30 mins

**Grand Prize-** 12noon- need not be present to win Grand Prize!

Register before Oct 14 for Early-bird drawing Sat morning  
Special drawing for Fri Night attendees

### **Friday night activities:**

5-7PM Vendor setup

6-7PM Social Hour- music/snacks/cash bar

6-8:30PM Dinner (made to order, not buffet-style)

5-9:30PM Silent Auction

7:30-9:30PM "Faux Casino"(tentative) winnings in raffle tickets for Fri drawing

9:30PM Silent Auction winners/Raffle drawings

**VFW is cooking Friday night dinner special just for us!** Dinner will be cooked fresh to your order! VFW will be serving soft drinks and adult beverages.

Dinner \$15 ea/\$28 couple

Choice of:

Steak/Baked Potato/Salad

Chicken/Baked Potato/Salad

Veggie (~roasted corn,green beans,mushrooms)/Baked Potato/Salad

Need donations for Silent Auction — Need MARS station and ops Sat AM per VFW request — Need volunteers for Admission, Talkin, Security, Parking, MARS ops...

Sat Activities:

Breakfast tacos, tamales, fruit, soft drinks served

7-8AM Vendor Setup

8AM-12noon Swapfest

Web registration with PayPal will soon appear on [www.AustinHams.org](http://www.AustinHams.org) If you'd rather register by phone or email, call Lori 512-255-6753 [KM5MQ@arrl.net](mailto:KM5MQ@arrl.net)

## **Amateur Radio Direction Finding Competition**

KA5CVH, W5JEN, and WM5R would like to invite everyone to join us for a one-day, two-meter-only ARDF competition on Sunday, October 23, 2005. The day before, Saturday, is the Southwest Regional Orienteering Championships, hosted by the Houston Orienteering Club. Both events will be held at Bastrop State Park, located about a 45 minute drive east of Austin, TX.

**<http://www.texasardf.org/texas2005/>**

This will be our very first organized ARDF competition in Texas, and will include five transmitters on two meters. The meet will be run according to IARU rules with topographic maps provided and timed starts. The two meter transmitters will all be low power FM using horizontally-polarized transmit antennas. Those who might want to compete or who might be interested in volunteering at the start or finish lines, should let us know right away. The earlier we know who might be there, the better we can prepare.

### **AARC Meeting Info.**

#### **Business Meeting\*\*New Location!\*\***

**7:00 pm at ARL Labs**

**10000 Burnet Rd. (North of 183)**

**Sept 6** - (bring a drink and a few \$ for Pizza)

Ed Travis's Multi-axis panoramic camera, Photoshop stitching techniques and digital panoramas of Yosemite National Park.

**7:00pm at ARL Labs**

**10000 Burnet Rd. (North of 183)**

**Sept 13 "Hands-On-Hamming"** (bring a drink and a few \$ for Pizza) "A Microscopic tour of Microelectronics"

A 10-60-200X camera on a microscope, linked to the PC Projector will show the world of electronics as you may never have seen.

### **Upcoming Amateur Exams**

**ARRL VEC- September 10<sup>th</sup> & October 8<sup>th</sup>\*New Location\*9a.m. at LCRA Complex (See Page 2) 3700 Lake Austin Blvd. Contact Joe Makeever, W5HS (345-0800) or Joe Thiel, N5SMN (832-0450) for information. \$14 exam fee.**

**W5YI VEC- September 17<sup>th</sup> & October 15<sup>th</sup>**  
2p.m. in room 109, Fleck Hall, St. Edwards University. Contact Jim Greenwood, AB5EK@arrl.net, (327-6184)  
<http://texasparadise.com/w5yi-austin> for more info.

### **Calendar of Events**

**Sept 10 HLARC's annual swap meet** at the Pavilion in Marble Falls -**CANCELLED**-

**Sept 24,25 Texas QSO Party** NARS [www.txqp.org/](http://www.txqp.org/)  
[www.w5nc.org/](http://www.w5nc.org/)

**Oct 1 Belton Ham Expo** - Mike LeFan, WA5EQQ  
254-773-3590 [hamexpo@tarc.org](mailto:hamexpo@tarc.org) Register on the website! [www.tarc.org](http://www.tarc.org)

**Oct 22 Brenham Swapmeet** 7AM-2PM- Washington Co. Fairgrounds [w5aum@yahoo.com](mailto:w5aum@yahoo.com) or [ka5bkg@arrl.net](mailto:ka5bkg@arrl.net) [www.alpha1.net/~w5aum/](http://www.alpha1.net/~w5aum/)

**Oct 22 Southwest Regional Orienteering Championships**, Houston Orienteering Club Bastrop State Park [www.texasardf.org/texas2005](http://www.texasardf.org/texas2005)

**Oct 23 2m-only ARDF competition**  
[kenharker@kenharker.com](mailto:kenharker@kenharker.com)

| Sept. | Oct. | Austin Meetings/Happenings         |            |
|-------|------|------------------------------------|------------|
| 6     | 4    | AARC Meeting ARL Auditorium        | 7:00p.m.   |
| 10    | 8    | Austin QRP, Alvin's Sandwich Shop  | 11:00 a.m. |
| 13    | 11   | Hands on Hamming ARL Auditorium    | 7:00 p.m.  |
| 20    | 18   | ATV ClubMtg. Chez Zee on Balcones* | 7:00 p.m.  |
| 17    | 15   | QCWA Denny's on Burnet Rd.         | 2:00p.m.   |
| 26    | 24   | Travis Co. REACT Denny's on Burnet | 7:00 p.m.  |
| 27    | No   | Travis County A.R.E.S., ARL Aud.   | 7:00 p.m.  |

\*ATV Club now meets at Chez Zee, 5406 Balcones Dr. Visitors are welcome whether they are licensed hams or not. Other meetings or activities are listed under the headings for Calendar and for Periodic Events.

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