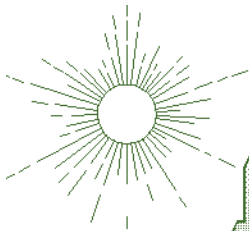


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 36, No 3

March 2011

ARE YOUR DUES CURRENT?

**Check Your Club's Listing
on Page 2 for Information.**

**Be sure your club has your current
email and/or mailing address.**

CLUB MEETINGS SCHEDULE

SARC
Mar 2nd
Scottsdale Senior Center
7:00 PM

AARC
Mar 10th
Red Cross Bldg. - Phx
7:30 PM

OPRC
Mar 9th
AZ Bldg at Tucson Medical Ctr
7:15 PM

CARL
TBA
AZ Science Center
TBA

QCWA
Apr 2nd
Chad's Steakhouse and Saloon
Tucson
12:00 Noon

TBARC
Mar 17th
Thunderbird School
of Global Mgmt
7:00 PM

ADAW MEMBER CLUBS

ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURSDAY** of each month at 7:30 p.m. in the Red Cross Building, located at 6135 N. Black Canyon Hwy., Phoenix (N. of Bethany Home Rd., E. side of Freeway on frontage Rd.).

President	Gary Hamman	K7GH	602.996.8148
Vice President	Bob Milburn	KB7TWF	480.991.1702
Secretary	Leslie Hickey	N5LDH	602.246.4303
Treasurer	Bob Hodges	K7JJT	602.274.1647
Red Cross Liason	Larry Penrod	AC7FC	602.955.0349
ARCA Liason	Dick Baum	NS7A	602.870.1135
Membership	Bob Hodges	K7JJT	602.274.1647

AARC c/o Bob Hodges, K7JJT, 1432 E Colter St., Phoenix, AZ 85014-3011. DUES: \$15.00/YR, Prorated (\$18.00 Family, \$9.00 Student), MEMBERSHIP YEAR BEGINS FEB. 1.

CENTER FOR AMATEUR RADIO LEARNING

The Center for Amateur Radio Learning is a hands-on amateur radio station, W7ASC, located within the Arizona Science Center at 600 E. Washington, Phoenix. Board meetings are held the last month of each quarter at the AZ Science Center. Annual meeting for all volunteers is held the **THIRD SATURDAY** of January. Watch ADAW for details.

President	Bob Burleson	KG7QJ	480.961.1109
Vice President	Tom Salt	AD7PM	480.926.0348
Secretary	John O'Neal	K7JP	480.345.7800
Treasurer	Larry Foster	KC0JON	480.767.0593
Board Members	Ray Waddoups	KE7FUM	480.654.9883
	David Zinder	W7PMD	602.358.7826
	Jordan Snell	KC7CWX	480.844.3744

Web Master, ARCA Rep - Roger Buel, W9NCQ - 602.493.7242
For information: Email to carl@w7asc.org or call Bob Burleson, KG7QJ at 480.961.1109. Web Site: <http://www.w7asc.org>

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www.adaw.org

SCOTTSDALE AMATEUR RADIO CLUB, INC.

The Scottsdale Amateur Radio Club meets the **FIRST WEDNESDAY** of each month at 7:30 p.m. in Room 8 at the new Scottsdale Senior Center located at 1700 N Granite Reef Road (west side of Granite Reef Rd., 50 yards north of McDowell Rd. Parking on site). The club also holds a net every Tuesday night at 7:00 p.m. on the 147.78/.18 repeater.

President	Paul Finell	W7EFQ	602.741.6563
Vice President	Bob Johnsen	K7TR	480.946.1427
Secretary	Ed Nickerson	NU7S	480.949.5162
Treasurer	Tom Barry	W7UF	480.998.8494
Past President	Bob Johnsen	K7TR	480.946.1427
Membership	Gerald Jacques	KE7GYM	480.239.8679
Board Members	Jerry Jacques	KE7GYM	480.239.8679
At-Large	Paula Jones	KD7TNB	
	Dreux Jacques	KB8YYA	
	Louis Schmitt	NQ7I	
	Skip Moretti	K7OAH	602.952.2649
	Alan Jensen	KE7FSD	
	Judy Jensen	KE7IXI	
	Stephen Thomas	KE7TLS	

SARC, P. O. Box 10878, Scottsdale, AZ 85271-0878. Phone: 602.735.3988. DUES: \$20.00/YR, (\$10.00/Add'l Family Member).

OLD PUEBLO RADIO CLUB

The Old Pueblo Radio Club meets the **SECOND WEDNESDAY** of each month (except June, July and August) at 7:15 p.m. in the Arizona Building at Tucson Medical Center. Visitors are welcome.

President	Ron Kalish	N7SPW	520.207.3852
Vice President	Alan Drexler	WB9TSU	520.885.9910
Treasurer	George Devich	N9IUK	520.760.0125
Board of Directors:			
	Dave Brown	KC7CQY	520.908.0805
	Art Mills	KD7HZP	
	Bill Price	N7GUO	
	Ivan Settle	KB7USM	
	Cliff Hauser	KD6XH	
WebMaster	Ted Willis	AA7HX	520.790.3828
		(www.oprc.org)	

Trustees: (all repeaters operating under the K7TRA call)

Primary	Cliff Hauser	KD6XH	
		146.660, 146.820, 147.220-	
	Paul VanBeverhoudt	KA7LFX	224.06+
Secondary	Ted Willis	AA7HX	146.66-
	Ralph Turk	W7HSG	146.82-
	Paul VanBeverhoudt	KA7LFX	224.06+

Mailing address: OPRC, P.O. Box 42601, Tucson, AZ 85733-2601. DUES: Individual - \$20.00/YR, Family - \$30.00/YR.

The *Arizona Desert Aire Waves* is published monthly and is the official news media of the sponsoring clubs. All news items, articles and inquires should be submitted to each club's editor. Any information and opinions printed herein are those of the contributors and are not necessarily those of the sponsoring clubs. Full permission is granted to quote from this publication providing credit is given to the individual contributor and the ADAW. ALL RIGHTS RESERVED. **Deadline is 10th of the month**

ADAW MEMBER CLUBS

QUARTER CENTURY WIRELESS ASSOCIATION CHAPTER 16 - BARRY M GOLDWATER ARIZONA CHAPTER

The Barry M Goldwater Arizona Chapter of the QCWA includes amateurs from all over Arizona. Four luncheon meetings are planned each year. The meeting months and locations are announced by newsletter, but generally follow the following schedule:

Spring Meeting	March/April	Tucson Area
Summer Meeting	June/July	Prescott Area
Fall Meeting	October	Phoenix Area
Holiday Meeting	December	Carefree Area

The AZ Chapter meets on the air every Sunday morning at 0700 MST (0730 during December and January) on 3890 +/- QRM.

President	Douglas Besemer, K0VPL	motoman1@aol.com
Vice President	Jean Jolkovski, W4CIH	jeanjol@hotmail.com
Sec/Treasurer	Robert McCuskey, W7BV	mccuskey@email.arizona.edu
Webmaster	Robert Smith, WB6ODR	lrsmith@cableone.net

AZ QCWA, Robert S. McCuskey, W7BV, Email: mccuskey@email.arizona.edu. DUES: \$7.00/year and current national QCWA membership. Web Site: <http://azqcwa.org>

THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURSDAY** of each month at 7:00 p.m. at Thunderbird School of Global Management located near 59th Ave. and West Greenway Rd. (Enter at the light at Country Gables and 59th Ave. Follow the road to the staff parking lot. Proceed to the Snell Bldg. The meeting is held in room #29 or otherwise posted.)

President	Jim Puza	AE7JP
Vice President	Peter Decker	K7IJR
Secretary	Jack York	KE7VOU
Treasurer	Al Johnson	AE7GM
Directors:	Ken Croxton	KD7OWZ
	Israel Vincente	AD7ND
	Walt Reinert	N7GDP
Past President	Jack Lunsford	KD7RCJ

For further information about the ThunderBird Amateur Radio Club, send an e-mail to: info@w7tbc.org or call 602.493.7242.



ADAW

Event Calendar

March 12, 2011 - **SpringFest** - hosted by the Scottsdale Amateur Radio Club will be held at Mountain Valley Church, 17800 N Perimeter Drive in Scottsdale. Hours are 6:00 AM to 12:00 Noon. RV Parking is \$10. Vendors - 2 spaces for \$10. Parking \$2. VE testing, refreshments and raffle prizes will be available. ARCA Meeting at 11:00 AM. For more information visit the web site at <http://scottsdaleamateurradioclub.ning.com>.

April, 2011 - **AARC Hamfest** - hosted by the Arizona Amateur Radio Club. **Canceled**

May 7, 2011 - **Larry Warren Memorial Hamfest** - hosted by the Cochise Amateur Radio Association will be held at Green Acres, 2756 Moson Road, Sierra Vista. Watch for details.

June 4, 2011 - **White Mountain Hamfest** - hosted by the Kachina Amateur Radio Club will be held at Show Low Junior High School at 4th Avenue and Old Linden Road in Show Low. Hours are 7:00 A.M. to 1:00 P.M. Talk-In - 145.310 PI 110.9. Contact Jim Mortensen at jmmules@frontiernet.net or 928.358.8761.

July 15 - 17, 2011 - **ARCA/Williams Hamfest** - hosted by the Amateur Radio Council of Arizona will be held at the Williams Rodeo Grounds, 800 Rodeo Rd, Williams. ARCA meeting at 4:00 PM on July 16. Watch for updates.

October 15, 2011 - **OPRC Hamfest** - hosted by the Old Pueblo Radio Club. Date Tentative. Watch for details.

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From the Editor's Desk

Wow! Another month sped by and caught me unaware. Sorry for the lateness of this issue and last month's also. So much for New Year's Resolutions!

Attended the Yuma Hamfest on February 18 & 19. We missed the last two and were pleasantly surprised by how much the event has grown. The Yuma guys have done a great job in building the hamfest. The main hall housed many commercial vendors with diverse product lines. Yeasu was in attendance along with vendors offering new gear. The line up of prizes was impressive and a registration prize was offered this year as well. The dinner was excellent - as usual - and most of the prize winners were present to take their new treasures with them.

A couple of exciting things happened during this year's event. We had an earthquake on Friday. Well actually the earthquake was in Baja, but was felt in Yuma. It only lasted a few seconds, but was really . . . interesting while it lasted! The earth moved - windows shook - things rattled. I was sitting on a chair in front of our fifth-wheel and it kept bumping into the back of my chair, or I kept bumping into it or something. A little scary.

Saturday brought rain - torrents of it. It started in the "wee" hours and continued through much of the morning. The electricity went out on the grounds (and in a large portion of Yuma, we found out later) and caused volunteers to scramble. Generators generously supplied by a couple of RVers were used to provide power for the seminar and testing rooms. Several tailgaters moved into the covered area and the hamfest continued. Power came back on, the rain stopped and the rest of the day was nice.

All in all it was a good event. Everyone had fun, a little excitement and a thoroughly enjoyable time.

Next year the ARRL Southwestern Division Convention will be held in conjunction with the Yuma Hamfest. Should be a really good event. Check their website at www.yumahamfest.org for details.

Scottsdale's SpringFest has finally found a home! The event will be held on March 12 at Mountain Valley Church, 17800 N. Perimeter Drive in Scottsdale. There's a flyer (complete with a map) in this month's edition of ADAW. Plan to attend.

Due to a lack of volunteers and health issues, the Arizona Amateur Radio Club has canceled their annual hamfest at DeVry University. Hopefully they will be able to hold the event again next year. It'll be missed.

There are several Public Service events being held this month. A list of upcoming events is in the next column. Give Jim or Brian a call (or email) if you are interesting in helping out. They are fun and give you a chance to give back.

The Center for Amateur Radio Learning is always looking for volunteers to man the station at the Arizona Science

Public Service Calendar

EVENT	LOCATION	DATE
Land Rover Rally	Florence Jct	03/04-06/11
Run for Ryans House	North Scottsdale	03/05/11
ADA Tour De Cure	North Phoenix	03/12/11
Mesquite Canyon Trail Ride		03/12/11
	White Tanks Mountain Park	
Ride MS Florence	Florence	03/26/11
March of Dimes for Babies	Wesley Bolin Plaze (State Capitol)	04/09/11
Highline Trail Run	Payson	04/16/11
Pat's Run	Tempe/ASU	04/16/11
Cave Creek Trail Run	Cave Creek	04/23/11
Barn Burner Mountain Bike Race		08/27/11
	Kendrick Peak Near Flagstaff	
Cactus Cha-Cha	White Tanks Mtn Park	10/08/11
Tour de Paradise		10/15/11
	Phoenix/Paradise Valley/Anthem	
Cave Creek Mt Bike Race	Cave Creek	11/12/11
Javalina Jundred	McDowell Mtn Park	11/12-13/11
Cave Creek Road Ride	Cave Creek	11/13/11

To sign up send email to: mcecg@yahoogroups.com
 MCECG on the Web MCECG.ORG for event sign up
 For information on events, join - azhamserve@egroups.com

Jim Pierce, N7QVW - 623.551.1204 - jim@n7qvw.net
 Brian McCarthy, N7TUQ - 623.486.0507 - n7tuq@arrl.net

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Center. Demonstrating Amateur Radio to center visitors is another way to spread the word about Amateur Radio and generate interest in our hobby, especially among young people. They are the future of Amateur Radio and your time will be well spent.

We have a new advertiser this month. Pineberry Creations offers unique jewelry, cards and baby blankets on Etsy.com. The items are all handmade and beautiful. If you are looking for that extra special gift for someone (or even for yourself), visit their site for some truly beautiful items. Be sure to stop by often as there are new items added frequently.

"See" you next month!
 Chris, N7PVL

SCOTTSDALE AMATEUR RADIO CLUB, INC.



Club Station: WA7APE
Club Repeaters: 147.78/.18 & 445.00/440.00

Hi Guys,

We have had a lot of cold, crisp evenings so far this month that are trying to kill off most of my landscaping. Every time the weather man says we are in for another night of frost, I would get out the sheets and proceed to cover everything that is susceptible to freezing. We have some bougainvillea bushes, small Ficus trees and various flowers planted around the house. And in the garden we have last year's Swiss Chard plant and a tomato plant. For some reason, both of these are growing very well. We are still getting leaves from the Swiss Chard and the tomato plant has blossoms on it already. Well, I cover everything as best I can and throw in a lighted drop cord for some additional warmth in the garden. I also covered the irrigation line and vacuum break with a heavy blanket and another drop cord. We had some icicles form on the dripping hoses. My efforts to save the garden was successful but the Bougainvillea got frozen. When it finally gets to be Spring and I see some new growth on them, I will be trimming them back. They just cannot take the temps in the 20's.

We have been getting some cold weather, but that does not compare with the rough time the Mid West and East have been having this winter. Watching the people of New York and Chicago trying to get around in all of the white stuff brings back memories. Flights cancelled, roads closed with people stranded and good old blizzard conditions make me very thankful for our small corner of the world right here in the Valley. I think when spring finally gets here there is going to be a lot of folks wanting to move here. That might help with the number of homes that are for sale.

I have been chatting with some hams who are located in the severe weather areas and they tell me they are used to the normal winter weather but this has been more extreme than usual. If you get on 40 meters in the evening you can find these guys and they can tell you about the fun of getting out the snow blower to clear the driveway before they can get the car out of the garage so they can go to work. They always ask about our weather out here and you know I would never exaggerate. I just tell them it is warm and dry but we could use some rain. Now when summer comes and they will be asking the same question. I will have to tell them about our 110 degrees and hot dry winds. They will laugh and tell me about their 80 degrees, mild winds and gentle rain. I guess it evens out in the end.

The program for the February 2, 2011 Club Meeting was "Antennas for small lots," by Dave Hollander N7RK. His talk on phased verticals for a small lot was very good. This was all good info for many of us.

The program for March 2, 2011 is going to be on Sky Warn by Steve Sipple. This is a great time of the year to be talking about the weather, because when we get into the Summer Monsoon there will be plenty of things for us hams to look for so as to help with communication during violent conditions, should they occur. I am looking forward to his talk on the subject.

The club has finally secured a location for the Spring Hamfest. It will be at the Mountain Valley Community Church, 17800 North Perimeter Drive, Scottsdale, AZ 85255-5449 on March 12, 2011. There is a large parking lot with covered areas and plenty of room

for tailgaters and buyers. The Church will be handling the refreshments and I have been told they are planning on having "Krispy Kreme Doughnuts." There will be VE testing at 9:00 A.M. and an ARCA meeting at 11:00 A.M.. There will be raffle prizes and hourly drawings for gift certificates. Parking will be \$2 and vendors will be \$10 for two parking spaces. I know this is a very late announcement about the Hamfest, but I hope you all can make it an event to remember.

The Yuma Hamfest is coming up and by the time you read this, it will be history. They always put on a great show and this year should be no exception. I am going to take my camp trailer there and try to sell off some of the donated items the club has received last year. I have a garage full and I plan to load as much as I can in the pickup and take it to Yuma. I will set up a club table and hand out flyers to our hamfest. I will give you a report next month.

I know a lot of you guys out there do some pretty interesting things in your spare time. Let me know what you have been up to and I will add it right here for everyone to read. This is a club column and it is open to all members of the club. So here is your chance to get "published."

The club has a weekly net on 147.18 with a PL of 162.2. The net is 7:00 P.M. on Tuesday evening. It is a great chance for you to try out your 2-meter or 440 radio. This month we will have guest net controllers so check in and make them feel needed! All of the questions they ask of the check-ins have been very interesting. Listening to the answers everyone has to these questions always reminds me of all the fun I have had in this hobby.

Well, that is all I have for now. Until next month, keep on hamming, be well and enjoying life.

73 Ed WU7S
enickerson427@aol.com

ADAW

SARC CONSTANTS:

SARC is a 501 (c)-3 club. That means all donations are fully tax deductible. Contact Paul Finnell, W7EFQ at 602.998.7024 for information on estate donations and equipment pick-up.

For membership information, call Gerald Jacques, KE7GYM at 480.239.8679. Please send address change requests to Gerald no later than the 7th of the month in which you would like the change to occur.

To field check QSL cards for most ARRL awards, call Nick Sues, W7ZMD at 602.992.4133.





When a club gets together regularly, a fellowship is formed which is extremely valuable. Besides just enjoying each other's company, our members often share their expertise and knowledge. We learn from each other.

Leslie Hickey, N5LDH, sounded very good on the 2-meter net this week. In fact she was louder and clearer than we have ever heard her. There's a reason for that. For some time now her antennas have not been effective. Hail had damaged them somewhat, and maybe they weren't up to par even before that. Leslie, although an agile climber, needed some help to rectify the antenna situation. Joe Cutitta, WØSLL, one of our members, offered his assistance, and VOILA!! Leslie's signal is much improved, and she has become a wiser operator because of this experience.

Dick Thomas, AC7SW, was having problems with his Alinco transceiver. It was a complex piece of equipment which left questions about its operation even in the mind of Dick, who is a sharp operator. Two minds are always better than one, and with the help of George Cooney, KQ7C, the rig is on the air and working well.

John Kainrath, K7JHK, lives in Casa Grande. It's quite a distance from Lee Walter's repeater, which we use for the 2-meter net, but John had been able to reach the repeater every week for quite a while. Suddenly a noise occurred on the band which made it impossible for John to communicate with us on the net. To a degree it stimulated interest in Echolink, because we certainly wanted John to join us every week. Echolink is a good temporary solution, but John should be able to use the repeater since he had done so at one time. The club is making plans to help John find the source of the noise. Gary Hamman, K7GH, will soon help John seek the source of the problem using available equipment so that the noise can be stopped and John can once again communicate using the repeater.

I'm sure that at this very moment you are recalling other incidents in which an AARC member has helped another AARC member. Amateurs who experience pleasure in their radio activities generally want to help others

share that feeling. Without that willingness to help we'd have no Field Days or Hamfests. What a dull existence that would be!

That's a good lead-in to my next comment. If you haven't paid your club dues yet, right now would be a good time to do it. AARC dues may be sent to treasurer Bob Hodges, K7JJT, 1432 E. Colter St., Phoenix, AZ 85014-3100. Regular member annual dues are \$15.00. Family dues — \$18.00. Student dues — \$9.00.

I hope to see you at the next AARC meeting which is March 10 at the Red Cross Building, located at 6135 N. Black Canyon Hwy, Phoenix (north of Bethany Home Rd., east side of Freeway on Frontage Rd.). I'd also like to have you join our 2-meter net which meets on 147.060 at 7:30 P.M. every Thursday except for meeting nights. The repeater, owned by Lee Walters, W7UXZ, does not need a PL tone.

73,
Lori, WA7EDI
(602) 955-7517
cripps@cybertrails.com

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License Testing Information

When you are ready to take an exam for an Amateur Radio license, there are Volunteer Examiners available to assist you. Each Applicant will need to bring a picture ID (some test sessions require two forms of identification). If you are upgrading your class of license, be sure to bring the original (and a copy) of your license and/or Certificate of Successful Completion of Examination (C.S.C.E.). There may be a fee required.

PLEASE NOTE: Dates, times, or locations may change. Call test session contact to confirm information. Walk-ins are permitted unless otherwise specified.

No Report Received. ed.



Happy St. Patrick's Day!

MARCH TEST SESSIONS

- Mar 3rd** - Radio Society of Tucson -- 7:00 PM
Lighthouse YMCA, 2900 N Columbus Blvd, Tucson
Contact - Matthew Grossman 520.750.7189
Pre-Reg by email preferred - veregistration@rstclub.org

- Mar 5th** - DeVry ARC & West Valley ARC -- 9:00 AM
DeVry University-Library, 2149 W Dunlap Ave, Phoenix
Contact - David Morrill 623.925.0680

- Mar 5th** - Unsponsored -- 9:00 AM
Linden Fire Station, Hwy 260, approx. Mile Post 335, Show Low
Contact - Cris McBride 928.205.3230

- Mar 12th** - Yuma ARC -- 9:00 AM
Yuma County Sheriff's Office 141 S 3rd Ave, Yuma
Contact - Robert Sidebottom 928.344.6469
No Walk-Ins - Must Pre-Register

- Mar 15th** - Boy Scout Troop 127 -- 8:00 PM
St Francis Xavier School, 4715 N Central Ave, Phoenix
Contact - John Kelly 602.264.6854

- Mar 19th** - Yavapai ARC -- 9:00 AM
Yavapai Cty Jeep Posse Bldg, Pioneer Park off Commerce Dr
Prescott
Contact - Mary Vince 928.775.2158

- Mar 19th** - Catalina Radio Club/OPRC -- 9:00 AM
Jacob's Park YMCA, 1010 W Lind St, Tucson
Contact - Fred Hill 520.403.1893
Pre-Registration Preferred

- Mar 21st** - East Valley VE Team -- 6:00 PM
City of Mesa Bldg, 640 N Mesa Dr, Mesa
Contact - Steve Gurley 480.704.3666

- Mar 26th** - Arizona ARC -- 7:00 PM
American Red Cross, 6135 N Black Canyon Hwy, Phoenix
Contact - Gary Hamman 602.996.8148
No Walk-Ins - Must Pre-Register

**SCOTTSDALE
SPRING HAMFEST**

SPONSORED BY ARCA AND
THE SCOTTSDALE AMATEUR RADIO CLUB

**SATURDAY
MARCH 12, 2011**

6:00 AM to 12:00 NOON

RV PARKING \$10 VENDORS 2 SPACES FOR \$10
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FOR MORE INFORMATION: scottsdaleamateurradioclub.ming.com
NO GUNS - NO DRUGS - NO ALCOHOL



Edison's last breath was captured in a glass bottle and is on display in the Henry Ford Museum.

James Clerk Maxwell first predicted the existence of waves which were called "Maxwell" waves. Later when Heinrich Hertz (hertz) was able to prove their existence they were called "Hertzian" waves. Today we know them as radio waves.

I spent a considerable amount of time researching this information. Actually it wasn't the information so much as learning to use a new computer and a new program. I always used Work Perfect. Now I'm trying to use Word. In gathering all this information I stumbled across a site I strongly suggest you check out. It's the American Radio Relay League site on Wikipedia. Do you know how or why ARRL came into being or why? Who was Hiram Perry Maxim? What was his family famous for? Why is W1AW significant? I found it most interesting. I think you will too.

Don't forget the Yuma Hamfest and 2011 Arizona State Convention. Have you signed up yet for the trip to the Titan Missile Museum? See you at the next meeting and Saturday morning breakfast.

Thelma Speed, KF7MLX

Greetings!

Ok, Ok, I apologize, I'm sorry. I missed the last meeting but I had to be out of town. I just couldn't help it. It wasn't even a fun trip, business all the way. I can't even say it won't happen again. I'll just do the best I can.

Radio owns much to two other inventions, the telegraph and the telephone. Radio used to be called "wireless telegraphy." Thought it would be fun to look at some of the people who made radio what it is today. One would think they were a pretty serious bunch based on their reputations. They must have worked hard and long to succeed but some of them had quite a sense of humor. Or maybe they were just strange.

Did you know? :

Michael Faraday (Farad) discovered that electricity could be made by moving a magnet inside a wire coil. This was the first electric motor. He also built the first generator and transformer. In 1824 he is credited with inventing the first toy balloon. Who knew?

Charles Wheatstone with William Cooke invented the first working telegraph. The initial device used a receiver with five magnetic needles but before they were able to market it several improvements were made including reducing the number of needles to one. Another inventor got all the credit for that. His name was Samuel B. Morse. Charles Wheatstone is credited with being the first person to use the word microphone and of course he had a lot to do with inventing the Wheatstone bridge.

Alessandro Giuseppe Antonio Anastasio Volta (volts) is credited with inventing the first battery that produced a reliable, steady current of electricity. He constructed a pile of alternating discs of zinc and copper with pieces of cardboard soaked in brine. He was a contemporary of Luigi Galvani who was out to prove the theory of galvanic responses. In other words that animal tissue contained a form of electricity. Don't you remember the dead frogs in chemistry class in high school? Ugh!

We all know Thomas Alva Edison, The Wizard of Menlo Park, was an inventing genius but did you know he nicknamed his two oldest children "Dot" and "Dash?" He is also credited with saying, "If I find 10,000 ways something won't work, I haven't failed. I am not discouraged, because every wrong attempt discarded is another step forward." Thomas Edison and Henry Ford were great friends. In fact,

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CHAPTER 16

BARRY M. GOLDWATER ARIZONA CHAPTER

The AZ Chapter QCWA Net on Sunday mornings on 3890 KHz has returned to its normal start time of 0700 Local Time. During December-February, the Net starts at 0730 due to the later sunrise and its effect on band conditions.

A second notice for payment of dues and renewal of membership has been sent to all AZ QCWA members who have not yet paid for 2011 and beyond. If you are one of these, receipt of your dues will be appreciated.

Recent articles in QST and CQ concerning the current sunspot cycle and its effect on radio communication reminded me of the experiments conducted by my father, then W8DRP, while a graduate student together with an electrical engineer colleague - "Observations in Transmission during the Solar Eclipse of August 31, 1932." The results were published in the Proceedings of the Institute of Radio Engineers, Volume 31, April 1933, pp. 567-573. This paper reported of the result of tests on transmission during the solar eclipse of August 31, 1932. Signals on 7150 KHz were transmitted from a point in the path of totality in Douglas Hill, Maine and were recorded in Cleveland, Ohio at Case School of Applied Science (now Case Western Reserve University) - a distance of approximately 600 miles. The crystal-controlled transmitter in Maine was operated at 200 watts and the antenna was 134 ft. long and fed by a 40-ft. long parallel tuned open wire line. The receiver in Cleveland was a National SW3 connected to a high-speed recorder. The records showed a slow rise in signal level until a few minutes before totality when a sharp increase was observed. At totality, the signals suddenly dropped to a very low level, then increased slowly until the end of the eclipse, when a second rise in intensity took place. This peak continued for several minutes and then fell to the normal level.

The next luncheon meeting will be on Saturday, April 2nd in Tucson at Chad's Steakhouse and Saloon. Tom Fagan, K7DF, ARRL AZ Section Manager, will update us on current legislation and ARRL activities.

73,
 Bob McCuskey, W7BV
 Sec./Treas., QCWA -AZ Chapter
 mccuskey@email.arizona.edu



Old Pueblo Radio Club INTERMOD

President's Column

The Old Pueblo Radio Club held its monthly general meeting on Wednesday, 9 February 2011. George Devich, N9IUK wished to thank those members who have paid their annual dues to date. Members who have not paid are urged to take care of this matter, perhaps at the March meeting. Dues are necessary to defray various expenses of the club from the ADAW subscriptions to upkeep of the club's three operating repeaters.

The annual OPRC swap meet has been tentatively scheduled for Saturday, 15 October 2011. I hope to have this date confirmed by the March meeting. The last swap meet was well attended and all seemed to have a good time.

Cliff Hauser, KD6XH, advised us that the repeaters are all up and running. He also gave us a "heads up" presentation about preliminary plans of the FCC to require changes to more narrow band widths (12.5KHz) for VHF and above by 21 January 2013. Such a change does not make much sense for the amateur service given our experimental nature. Furthermore, what we do within our own allotted bands as to bandwidth has no effect on other services and would not free up spectrum for other uses. On the other hand, such a change would directly affect governmental services, including MARS. Such a change would either require most current equipment to be modified or be rendered obsolete. This information is by no means final and if the ARRL is successful, may not come to pass — but stay tuned.

73 de
 Ron Kalish, N7SPW
 President, OPRC



<i>OPRC Repeaters</i>			
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146.82	- PL 110.9	wide coverage	W7GV
147.22	- PL 110.9	wide coverage	W7GV
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