



HDARC NEWS

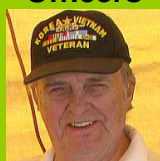


NEW CLUB 2 METER REPEATER READY FOR TESTING THIS MONTH! DETAILS IN THIS ISSUE.

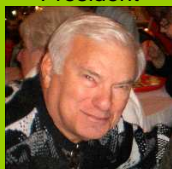
April, 2010
 Jerry Aceto – K6LIE, Editor
 jaceto@q.com
 505 771-1323

PRESIDENT'S MESSAGE
 Frank Warren AB5WJ
 Ab5wj@arrl.net
 WEBSITE: <http://www.nm5hd.com>

Officers



Frank Warren AB5WJ
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Larry Elkin NY5L
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- Duane Schneider K5DLS

“April showers bring may flowers”. I think that is how the rhyme goes. Well April 2010 has arrived with no showers in Rio Rancho so far. Lots of gusty wind however and that always brings some antenna maintenance for some of us. I tried to run PSK31 the other day and found my antenna would not tune. My vertical feed line is in PVC underground to where the antenna is located in my yard, so I knew that the vertical should be working. My G5RV however is up on the roof where the wind has been gusting almost to 50 mph at times. And my beam, which is also on the roof, looks to be connected. My auto tuner however isn't tuning, sooooo I think it is the tuner and this weekend looks like a good time to do some spring maintaining of my antenna system . Sure wanted to get a digital contact with Azores the other day however. Oh well propagation may come back again soon.

April also brings us to our meeting on the 3rd Saturday of the month. This meeting will be a bit different then the others and in a different location. We will be hosting Doctor Patricia Henning (UNM), who is Vice Chairman of the Square Kilometer Array (SKA) consortium that is studying the feasibility of building a radio telescope that occupies one square kilometer (approximately 3280 feet on a side). This is a consortium from eleven different Universities and government agencies and includes members from Australia, Canada, Europe and China. This will be a multi-national project and is likely to cost in the billions of dollars. Dr. Henning will be speaking from Noon - 1 PM on this topic. I sure would like to have the property to set up a 3280 foot antenna on one side. This should be very informative and interesting. It will be at the Alegria club house where we have our Christmas party in Bernalillo iust off 528 and bit south of the new Walmart.

The map will be on our web page at www.nm5hd.com . Bill Firth KE5TOB, was the one who worked to get Dr Henning to speak at our meeting. The meeting is open to everyone who cares to attend. Upon the conclusion of Dr Hennings presentation we will hold our regular club meeting.

Next month Jerry Aceto K6KIE will give a presentaiton of his operations with the past winter Olympics in Vancouver Canada. Jerry does a great job with pictures and anecdotes from his working with both the summer Olympics and winter Olympics. And that reminds us that the May meeting will be our last meeting prior to the summer season. June we have no meeting due to possible Kids Day operations the 2nd weekend of June and field day the last weekend of June. And that means that around the corner is one half of the year gone by already.

Some changes will be in the works for our Webpage as well. Our 2 meter repeater is being worked on. We are awaiting the crystals for the frequency pair 145.31 transmit 144.71 receive. P/L 162.2 . The call sign will be our clubs NM5HD. More information on when it will be operation will be forthcoming.

However the weather is getting warmer which is nice and why New Mexico is a fantastic place to live. As they told me when I arrived some 20 years ago now, "If you don't like the weather, just stand by it will change".

If you have to travel do it safely, and thanks for supporting the High Deseret Amateur Radio Club of NM (HDARC).

Frank Warren Sr AB5WJ

HIGH DESERT AMATEUR RADIO CLUB CONTACT LIST

PRESIDENT

Frank Warren Sr. AB5WJ
505 962-9212 or 505 270-7142
ab5wj@arrl.net

VICE PRESIDENT

Larry Elkin NY5L
505 771-0391
ny5l@arrl.net

SECRETARY

Kathey Meland WB6JAN
Wb6jan@arrl.net

TREASURER

Bob Nieri N5UKA
505 268-2880
nieri794@msn.com

CHAIRMAN OF THE BOARD

Jim Hunter NM5JH
505 897-2939
nm5jh@arrl.net

MEMBERSHIP CHAIRMAN

Kennie Warren W5KLW
505 962-9212
w5klw@arrl.net

NEWSLETTER EDITOR / PIO

Jerry Aceto K6LIE
505 771-1323
jaceto@q.com



HDARC SILENT KEYS

“Lest WE Forget”

Vern Thackery	W5CSY
Clifford “Cliff” Tingley	KD5ANU
Joseph (Joe) Boyd	KC5GPY
Bruce Alan Mattison	W5NTM (N5CFO)
Robert Barrow	KD5ZPS
Robert Swigert - Past President – HDARC – K0RGS	
Ben Joseph “Joe” Murdock	W5IN
David Vakos	N4DBB

SECRETARY/TREASUR REPORT

HIGH DESERT AMATEUR RADIO CLUB MINUTES

March 20, 2010

The Club meeting was called to order by Vice President Larry Elkin NY5L at 12:02 PM, with member introductions. There were 14 people in attendance.

OLD BUSINESS

George Key W5YZ reported that the Alegria Clubhouse will be ready for next month’s Club meeting, featuring guest speaker Dr. Patricia Henning from the UNM Physics and Astronomy Department. She will talk about the square kilometer array, which will figure prominently in the future of radio astronomy. George also stated that he will need the following for ARRL Field Day, scheduled for June 26th and 27th: More CW operators, three transmitters, two stations for technicians to use for HF under the direction of generals and extras, and an antenna party for Field Day activities. George stated he will bring his laptop for digital communications, and that we will be using battery power, rather than a generator.

NEW BUSINESS

Larry talked about possibilities for ARRL Kids' Day, scheduled for June 12th. He said that the hours for the activity imposed by the Rio Rancho Libraries would make it impossible for us to have an effective Kids' Day there. He stated that he is talking to the Boys and Girls' Club in Rio Rancho. Kathey Meland WB6JAN reported that she had received no answer from the Girl Scout Council representative to whom she had sent emails, but will be contacting the Girl Scouts again. Fred Lete KC5IPK suggested that we contact the Boy Scout Council and inform them of our intentions to have a Kids' Day, and invite them.

After a short break for refreshments, Larry presented this month's talk, RFI and Transmitters. He discussed how to set up and test a transmitter. This is necessary because each voice is different, and the mic gain must be adjusted accordingly. He explained speech compression and SSB transmitter filters, all of which help to concentrate the signal and avoid or reduce vocal splatter on the radio. He mentioned Heil microphones, which are adjustable for individual radios. Their web site is www.heilsound.com/amateur.

Larry explained the nature of SWR and how to tune for the lowest possible SWR. If the SWR is too high, there will be RFI in the shack. In reference to RF interference with phones, televisions and computers, he mentioned the article "Our 'New' 6 Meter Band", which appears in the April edition of QST Magazine, p. 9. He concluded with discussion of proper grounding of indoor equipment and antennas.

The presentation, questions, answers and discussion used all of the available time for our meeting, so Larry adjourned the meeting at 1:52 PM.

Respectfully submitted by
Club Secretary Kathey Meland, WB6JAN



A NOTE FROM YOUR NEWSLETTER EDITOR

Greetings from Lynnwood, Washington (Near Seattle).

Well, Cheryl and I are on the road again, so to speak. This time visiting our kids and celebrating our twins first birthday. Boy, how time flies! Already one year old. The only down side of all the traveling I have been doing since January is that I have missed all the

Meetings this year. I should be home for the May meeting though. I will probably come up with a program about the 2010 Winter Olympic Games for our last meeting before summer. Remember, we don't hold meetings in June, July and August.

When we return from Washington on the 19th, I will be leaving for Taladega, Alabama with some friends from my Alegria community the next day. We will be taking in the NASCAR races the weekend of the 23rd, 24th and 25th. I will return on the 28th. That should be all the traveling, until June, when we plan an overnigher in Ruidoso with our community and a week in Phoenix. I'd like to take in Dayton in May, but Cheryl said "NO" in no uncertain terms, but she did say I could go next year. Unless something comes up, I plan to do Dayton next year.

See you all at the May meeting (I think!!).

Best 73 to you all!

Jerry Aceto – K6LIE

Editor – HDARC Newsletter

jaceto@q.com

771-1323



NEW CLUB REPEATER IN TESTING MODE.

Our new club repeater is in the testing stage operating from Paul Choc's WA5IHL QTH. Paul has been tweaking up the system and it sounding very good. I worked it from my home in Bernalillo before leaving for Washington. Also heard many stations giving reports for the testing phase. The repeater will be installed at Duane Schneider's K5DLS home. Should provide very good coverage of the greater Albuquerque area and than some.

The repeater is on 145.310, minus offset with a pl of 162.2 hz and will probably be installed at Duane's QTH sometime this month. Take a listen and please give a report to Paul and also when it is moved to it's home QTH. The more reports, the better. Being a repeater owner myself, it really helps when everyone takes part in the testing phase. It will be nice to have our own repeater for our net, as well as all the club functions involving a repeater. I plan to monitor and use the system, along with my 224.480 repeater, which the club is also welcomed to use.



UP COMING ALBUQUERQUE TAILGATE

MARK YOUR CALENDAR!

The Albuquerque Amateur Radio Club and the Amateur Radio Caravan Club have received ARRL approval for a joint Tailgate on April 24, 2010. It will be held at the North Student parking lot of Del Norte High School. Dee, KC5JBO will be the talk in station on 145.33 and 444.0.



HDARC WOMEN'S LUNCHEON

HDARC women's group:

Ladies luncheon is on Friday April 23—reservations needed.

We will hold a social dinner for members, spouses and friends on Tuesday night at 6:30 on April 27 at the Range in Bernalillo—reservations needed.

Please let me know if you are coming.

Kennie Warren

961-9212



APRIL MEETING TO HOST DR. PATRICIA HENNING OF UNM

April 17, 2010 --- Special Meeting of the High Desert ARC --

Dr. Patricia Henning of UNM will be making a special presentation on the Square Kilometer Array (SKA) from Noon till 1:00 PM at the Alegria clubhouse in Bernalillo the address is 1000 Cottonwood Circle, Bernalillo, NM.

Dr. Henning is with the Department of Physics and Astronomy at UNM and is the Vice Chair of the Square Kilometer Array. Spread the word. All are welcome to attend. Refreshments will be served.

Thanks to Bill Firth KB5TOB for making the arrangements for this special presatation.

ARECIBO TO PARTICIPAT IN MOON BOUNCE 2010



Although World Moon Bounce Day 2010 is scheduled for April 17th, this year we will have contacts running for three days as we have the famous Arecibo dish joining us. April 17th is the day that the ill-fated Apollo 13 mission returned to earth 40 years ago and we set the date of World Moon Bounce Day 2010 to align with the Apollo 13 anniversary.

This year, April 16,17,18, Echoes of Apollo, a fun, educational, science outreach activity, will conduct 2 way Voice communications by bouncing radio signals off the Moon. One day of the event, Saturday, the 17th, has been assigned the Moniker, “World Moon Bounce Day”. Commonly known among the specialist amateur radio operators (hams) that do this, as EME, for Earth-Moon- Earth, this time, the Echoes of Apollo Moon Bounce event is quite special, and opens a big door of opportunity for Science outreach.

Ham Radio volunteers are travelling to Arecibo, home of the world’s largest single dish radio telescope (305m / 1,000ft in diameter), to set up a ham radio moon bounce station at the site. It will operate for 3 days, exchanging voice communications to many other amateur radio Moon Bounce stations worldwide. The Arecibo 1000 foot dish provides such a powerful, focused beam to the moon, that it allows monitoring of the Moon-Bounced signals on Earth, from schools, or homes, with very modest equipment.

The Echoes of Apollo event teams will be conducting tests of their moon bounce transmissions prior to the event, to determine the required receiving equipment for the public to use to hear the moon bounce-d signals. Check back with <http://www.echoesofapollo.com> often to see the huge variety of world Space News, and to see the results of the Moon Bounce tests.



So far we have moon bounce-capable stations in the US, Europe, and, of course Arecibo in Puerto Rico. (Look up on Google Earth, latitude 18.33 degrees north, and Longitude 66.75 degrees West.

Some other stations in Europe planning on participating, are:

Dwingeloo dish run by the CAMRAS group in Holland, <http://www.camras.nl>
HB9MOON 10 meter Dish, in Chur Switzerland, run by Christoph, HB9HAL,
See: <http://www.radiosky.ch/home.php?nav=amateurfunk&page=ea>

The **Massachusetts Institute of Technology** Dishes at their Haystack facility. MIT based Radio Amateurs are anticipated to be active, in MIT station setup and operating.

This world wide event, will have different stations around the world communicating whenever the moon is visible between them, and in the case of Arecibo, there will be two hour windows of operations, each of the three scheduled days. Arecibo only has limited time viewing the moon due the limited “steering” pf about 20 degrees

FFI: Pat Barthelow AA6EG (Founder of Echoes of Apollo)
Echoes of Apollo



FOR SALE

complete in original carton with mic. and hardware:

*Icom V8000 2 meter rig: \$185.00

*Icom IC707 HF rig: \$375.00

*Icom IC718 HF rig with DSP \$475.00 (new in sealed carton)

*Radio Shack HTX 100 10 meter rig. with owners manual and service manual \$85.00

*MFJ 752C audio dual filter with owners manual \$75.00

Contact: Larry Elkin NY5L@ARRL.NET

Amateur Radio Nets
All Amateurs Welcome to Check In!
Send additions / corrections to [Brian, N5ZGT](#)

Daily	
NM Breakfast Club Net	6:30AM on 3.939 MHz.
SCAT Net (Mon-Fri)	7:06AM on the 145.33 (+, 100 Hz PL) and 444.00 (+, 100 Hz PL) linked repeaters.
Rusty's Net (Mon-Fri)	8:45AM - 10:45AM on the 146.94 (-, 100 Hz PL) and 146.96 (-, 100 Hz PL) linked repeaters.
NM Roadrunner Traffic Net	0100 UTC on 3.939 MHz.
Sunday	
NM ARES/RACES open state-wide net	1st and 3rd Sunday at 1930 MDT (summer) and 1830 MST (winter) on 3.939 MHz, or after the NM Roadrunner net if it runs long.
QCWA Net	8:00PM on the 146.72 (-, no PL) repeater.
6 Meter Weak Signal Net	8:00PM on 50.150 MHz USB
Amateur Radio Caravan Club Net	9:00PM on the 145.33 (+, 100 Hz PL) and 444.000 (+, 100 Hz PL) repeaters.
New Mexico 10 Meter Net	9:00PM on 28.440 MHz USB
Monday	
Sandoval County ARES Net	7:30PM on the 147.10 (+, 67 Hz PL) repeater.
900 MHz Weak Signal Net	7:30PM on 902.100 MHz USB
2 Meter Weak Signal Net	8:00PM on 144.200 MHz USB
Northern New Mexico ARC Net	8:30PM on the 145.19 (-, no PL) repeater.
Tuesday	
1200 MHz Weak Signal Net	7:30PM on 1296.15 MHz USB
220 MHz Weak Signal Net	8:00PM on 222.100 Mhz USB
Wednesday	
Socorro Amateur Radio Association Net	8:00PM on the 146.68 (-, 100 Hz PL) repeater.
Valencia County Amateur Radio Association Net	8:00PM on the 146.700 (-, 100 Hz PL) repeater.
70 cm Weak Signal Net	8:00PM on 432.100 MHz USB
220 FM Rag Chewers Net	8:30PM on the 224.48 (No PL) repeater in Rio Rancho. (K6LIE)
Thursday	
Bernalillo County ARES Net	7:00PM on the 146.90 (-, 67 Hz PL), 146.94 (-, 100 Hz PL) and 146.96 (-, 100 Hz PL) repeaters.
High Desert ARC Net	8:00PM on the 145.33 (-, 100 Hz PL) and 444.00 (+, 100 Hz PL) repeaters.
New Mexico Swap net	8:30PM on all Upper Rio FM Society and Mega Link Repeaters in New Mexico (See repeater list above).
10 Meter Occasional Net	9:00PM on 28.342 MHz
Friday	
New Mexico Health Net	9:00AM on all Mega Link repeaters in New Mexico (See repeater list above)
Saturday	
Southern Baptist Convention	8:00PM on all Mega Link repeaters in New Mexico (See repeater list above)



SCHEDULE OF CLUB EVENTS

Club Meeting

3rd Saturday of the month at noon. Location of meeting is the Albuquerque Police NW Command – 4051 Ellison Ave NW (across from Cibola High School).

Breakfast Social

**4th Saturday of every month at 9:00 AM.
At the Sandia Casino, Thur Shan Buffet.**

Coffee at Flying Star

Every Wednesday-2:00 PM on Corrales Rd across the street from The Sunflower Market Shopping Center at Hwy 528 and Corrales Rd.

Breakfast at Flying Star

Every Thursday morning at 8:00 AM on Corrales Rd across the street from The Sunflower Market Shopping Center at Hwy 528 and Corrales Rd.

HDARC NET

Thursday nights at 8:00 PM on 145.330 Mhz (100 Hz PL).Jim Hunter (NM5JH) Net Control Coordinator.



DX News

Larry Elkin NY5L – Vice President

DX and Propagation

Well, Spring has sprung and propagation has improved--somewhat. Over the last month, there has generally been an increase in sunspot numbers and sizes; albeit nothing overwhelming but still an increase. Magnetic indices have also shown an improvement when compared to the prior 12 months.

For those who have spun the tuning knob over the bands during the last 30 days it is obvious that more signals of appearing on the bands for longer periods of time with greater distances of communications becoming possible--sometimes!

I have found stations from central and eastern Europe becoming more obvious in both our early morning and late afternoons and evenings. I have been able to speak with stations in Poland (SP) @ 2153 UTC, Bulgaria (LZ) @ 1515 UTC, and Serbia (YT) @ 1502 UTC. I had a QSO with Asiatic Russia (RW) @ 2255 UTC. During the CQ WPX contest of the last week-end of this month, I had contacts in Europe, Asia, Africa, South America, and New Zealand. The South American contact was on 10 meters into Chile (CE) @ 2226 UTC. Forty meters had loads of stations on the air during the contest--but there were just too many, too close together for me to penetrate the pileups.

Just a reminder--I operate with 100 watts SSB using a 12 foot vertical tri-band antenna on all bands between 10 and 40 meters

I was not able to make contact with the stations from Kuwait, Morocco or Cyprus; all heard around 1600-1700 UTC. East coast US stations had better success with those stations. I also was not able to get the Republic of Korea (HL) station to hear me around 2200 UT

To sum up. There is plenty of interesting stations to contact from most of the world. Tune slow, listen carefully, and pay attention to your SWRs.

You can speak to the world!

73's Larry NY5L

**HIGH DESERT AMATEUR RADIO
CLUB OF NEW MEXICO**

It shall be our purpose to further the exchange of information and cooperation between members, to promote radio knowledge, fraternalism and individual operating efficiency, and to so conduct club programs and activities as to advance the general interest and welfare of Amateur Radio in the community.

**CALENDAR OF
ACTIVITIES FOR
UPCOMING MONTH**

April 2010

**Saturday, April 17th at
noon. Club Meeting at
the
Albq Police Station –
4051 Ellison Ave NW
(across from
Cibola High School).**

**Saturday, April 24th.
BREAKFAST SOCIAL
at 9 am at the Sandia
Casino, Thur San
Buffet.**

**Every Wednesday at
2:00pm NMHDARC
Coffee At The Flying
Star at Hwy 528 &
Corrales Rd across the
street from Sunflower
Market**

**Every Thursday at 8
am NMHDARC
Breakfast at The Flying
Star at Hwy 528 &
Corrales Rd across the
street from Sunflower
Market**

**Club net on Thursday
nights at 8:00 PM on
145.33 with 100 Hz PL.**

NET CONTROL

▪ **NET CONTROL SCHEDULE**
HDARC HAS A DIRECTED NET THAT OCCURS EVERY THURSDAY AT 8:00PM ON 145.330 WITH 100 HZ PL.

If you are interested in being a Net Control Operator, please contact Jim Hunter, NM5JH our net control coordinator to sign up. We have several openings in January and February. Jim can be reached via e-mail at nm5jh@arrl.net, or by phone at **505 897-2939**.

[The list of Net Control operators for April:](#)

April 1 Kathey Meland WB6JAN

April 8 Bill Firth KB5TOB

April 15 Frank Warren AB5WJ

April 22 Bill Firth KB5TOB

April 29 Jim Hunter NM5JH

If you do not have the radio capabilities to be net control but would like to do so anyway, please contact Frank & Kennie Warren at ab5wj@arrl.net. You are welcome to use their radios at their home and take net control. This is great practice for talking on the radio. Just make sure they are going to be home. Frank teaches a lot of courses and sometimes we're not available.

**REMEMBER, CLUB MEETING ON SATURDAY, APRIL
17TH AT NOON.**

**THIS MONTHS PROGRAM WILL BE A SPECIAL
PRESENTATION ON THE SQUARE KILOMETER
ARRAY AT THE ALEGRIA CLUBHOUSE IN
BERNALILLO. ALL ARE INVITED TO ATTEND.
REFRESHMENTS WILL BE SERVED.**



OTHER NEW MEXICO AMATEUR RADIO CLUBS

AMATEUR RADIO CARAVAN CLUB

- They own and operate a repeater site on Sandia Crest in Albuquerque, NM, W5CSY, on 145.33 Mhz, and 70cm. on 444.0 Mhz. Both repeaters require a 100 Hz PL tone. They meet on the second Friday of each month from October through May at 7:00pm at Height Cumberland Presbyterian Church 8600 Academy Rd. in Albuquerque.
- The Club holds a Net each Sunday evening at 9pm local time on 145.33 and 444.0 Mhz for purpose of holding club business, passing traffic, making announcements of interest to Hams and just getting to know each other.
- Contact: Haska KC6BBP, 288-8358

ALBUQUERQUE DX ASSOCIATION

- ADXA holds their regular meeting on the last Wednesday of every month. They meet at JB's Restaurant on Eubank & I-40 next to the Owl Cafe.
- All Hams are welcome. The members start gathering about 6pm and the business/program starts at 7pm
- The call sign W5UR is issued to the ABQ DX Association. The call sign honors one of ASXA's founding members.
- Website: <http://www.qsl.net/adxa/index.html> or Contact: Kermit KB5HA, 884-3554
-

ANTIQUUE RADIO CLUB

- Meets on the Second Sunday of each month at 1pm in the parking lot at the Anna Kaseman Hospital.
- If interested, come join us.

ALBUQUERQUE AMATEUR RADIO CLUB

- The club meets at 8:00 am (7:00 am for those interested in breakfast) on the first Saturday of the month at Roper's on Central SE just east of Wyoming.
- Contact Michael K5ATM, 296-3455

NEW MEXICO WEAK SIGNAL GROUP

- Meets on air on various bands on Sunday, Monday, Tuesday and Wednesday for the promotion of and general utilization of the VHF & UHF bands.
- Contact Bob N5XZM, 298-8478 for times & frequencies

QUARTER CENTURY WIRELESS ASSOCIATION

- This club is made up of hams who were licensed at least 25 years ago.
- They meet noon on the 2nd Saturday of the month at Roper's on Central SE just east of Wyoming. Contact Warren W5UZU 298-7097

UPPER RIO FM SOCIETY, INC.

- The members meet quarterly at 7:30 on the second Tuesday of January, April, July and October at the Immanuel Presbyterian Church, 114 Carlisle SE.
- The Upper Rio FM Society is a technical club with extensive repeater coverage in New Mexico and extending into Colorado and Arizona.
- Repeaters: 146.640, 146.860, 146.900 with -67 tone, 146.940 with -100 tone, 146.960 with -100 tone, 147.060 with +67 tone, 147.080 with +67 tone, 444.525 with +67 tone, 449.550 with -71.9 tone, 449.800 with -67 tone, and 449.825 with -67 tone. WEBSITE: www.urfmi.org