



The Repeater

The Repeater



The Livonia Amateur Radio Club

INSIDE THIS ISSUE	PRESIDENT'S CORNER
President's Corner 1	Autumn is starting and that brings about our annual list of events. LARC Nite Out will be held on Saturday, November 6th, starting at 6pm, with dinner at 6:30pm. It will again be held at Subu Restaurant, 20300 Farmington Rd (between 7 and 8 Mile Roads), Livonia, MI 48152. We will be having a choice of three entrees - Filet Mignon, Chicken Marsala or fish. The fish entree has been changed to something more substantial than last year. Cost of the LARC Nite Out is \$15 per person, the club will pick up the additional cost. RSVP, payment and menu choices are due to Doris by the October general meeting (Monday, Oct. 25th).
DX News 2	The day after LARC Nite Out, Sunday, November 7th, we will be holding our annual Edmund Fitzgerald memorial special event station at Dossin Great Lakes Museum. Two stations will be set up on HF - one using voice communications and one on CW. Why not stop by, help us set up, operate or see what we're doing. This year, the Detroit Historical Society will be advertising our operation along with the other events happening that weekend at the Dossin. What a great way to tell the public about ham radio and the Livonia Amateur Radio Club.
Special Events	
CW Special Event 3	We are looking for someone to host our annual Christmas Party. The date and time will be left up to the host. If you are interested in hosting this event, please let one of your board members know ASAP.
New DXCC Entities	
Chilean Mine Rescue	Autumn also brings the annual parade of contests. Most of the year's biggest contests occur between October and March. Contests can help you sharpen your operating skills, prove out your station and allow you to learn how to use filters you'd otherwise never utilize. Contests also provide a way for you to continue (or complete) your Worked All States, Worked All Continents, Worked All Zones or DXCC. There are many groups and individuals who travel to exotic locations to provide a rare multiplier for other contestants. Listen for the exchange, make sure you know how to answer and go for it. Just remember that you don't have to turn in a log to join in on a contest. Tune around and listen for some DX stations or states you otherwise may not hear.
Solar Activity Forecast	
Here Comes Winter 4	And speaking of DX, have you worked any of the new PJ DX entities? According to the U.S. Department of State, "The Netherlands Antilles dissolved on October 10, 2010. Curaçao and St. Maarten (the Dutch two-fifths of the island of Saint Martin) became autonomous territories of the Kingdom of the Netherlands. Bonaire, Saba, and St. Eustatius now fall under the direct administration of the Netherlands." For us hams, that means up until October 9, 2010, the two Caribbean entities of Netherlands Antilles (PJ2, PJ4) and St. Maarten/Saba/St. Eustatius (PJ5, PJ6, PL7, PJ8) were dissolved and deleted from the DXCC list. Starting October 10, 2010, four new DXCC entities were made from the old two. These are Curacao (PJ2), St. Maarten (PJ7), Saba and St. Eustatius (PJ5, PJ6) and Bonaire (PJ4). These countries are relatively easy to work and we'll see a lot of activity from these four entities in the coming months. These new DXCC entities will not be counted for DXCC credit until after January 1, 2011.
Looking Back 5	
Hamfests & Conventions	We need Net Controls for the LARC 2-Meter Net. Contact Dave, KC8YWT, our Net Control Coordinator and let him know that you want to be a net control. It's a fun, educational and rewarding venture, and Dave will set you up with all the scripts, net log, etc.
Important Dates	
More Pictures 6	Mike, N8MR 73,
2011 LARC SWAP MEET FLYER 7	
NEXT MEETING 7:30 pm Monday October 25th Livonia Civic Center Library East Wing Meeting Room	

**LIVONIA REPEATER ▪ 145.35 PL 100HZ ▪ ECHOLINK W8WQU-R
LARC 2-METER NET EVERY THURSDAY 8:00PM LOCAL TIME**

DX News

CYPRUS, 5B. All radio amateurs on Cyprus may use the prefix 5B50 until October 31 to celebrate the 50th anniversary of the Republic of Cyprus.

TANZANIA, 5H. Pat, W8FV will be QRV as 5H9PD from Mwanza from October 2 to 30. Activity will be mostly on 40 to 10 meters using CW and some PSK31. QSL to home call.

ANGOLA, D2. Craig, D2SG is QRV until October 6. QSL via GM4FDM.

IRAN, EP. Ali, EP4AK has been active on 15 meters SSB around 1330z. QSL direct.

PHILIPPINES, DU. Hiro, JJ5GMJ is QRV as DU1/home call from Palawan Island, IOTA OC-128, and is here for another year and a half. Activity is on 160 to 6 meters. This includes entries in several upcoming CW contests. QSL to home call.

ITALY, I. Fred, IK7JWX is QRV as IR7WFF until December 31 from several national parks as part of the World Flora Fauna program in the provinces Lecce, Brindisi, Taranto and Bari. QSL to home call.

MARIANA ISLANDS, KH0. Kuniyoshi, 7L1FPU plans to be QRV as AH0BT in the Oceania DX Phone contest. Activity will be on 80 to 10 meters using SSB. QSL to home call.

SOUTH ORKNEY ISLANDS. Diego, LU1ZA is QRV from the Orcadas Base on Laurie Island, IOTA AN-008. Activity is on the HF bands and generally during his weekends from 1800 to 2300z. His length of stay is unknown. QSL via LU4DXU.

NETHERLANDS, PA. Fred, PA0FAW is QRV as PC75HV until October 28 from Hoge Veluwe National Park. Activity is on the HF bands using mostly CW, with some SSB and digital modes. QSL to home call.

Oct 21-Oct 23, 1800Z-2200Z, W4Z, Virginia Beach, VA. Coast Guard Auxiliary. 21.340 14.265 7.240. QSL. Robert Dunnington, KI4VCT, 1110 Atlantic Ave, Virginia Beach, VA 23451. QE@flotilla51.net

SPECIAL EVENTS

Oct 21-Oct 23, 1800Z-2200Z, W4Z, Virginia Beach, VA. Coast Guard Auxiliary. 21.340 14.265 7.240. QSL. Robert Dunnington, KI4VCT, 1110 Atlantic Ave, Virginia Beach, VA 23451. QE@flotilla51.net

Oct 23-Oct 24, 1100Z-0100Z, K2BSA/4, 14.255 Cherryville, NC. Boy Scouts of America, N. Carolina, Certificate & QSL. Cleveland County Amateur Radio Service, PO Box 864, Shelby, NC 28151. www.ccarsnc.org

Oct 29-Oct 30, 2200Z-1700Z, W9BSP, Olathe, KS. Johnson County Radio Amateurs Club. 14.259 7.259 3.959. QSL. Brian Short, 12170 S Praire Creek Pkwy, Olathe, KS 66061. www.w0erh.org

Oct 30, 1200Z-2000Z, W4OLB, Maryville, TN. Smoky Mt. Amateur Radio Club. 14.070 7.250 146.655. QSL. Smoky Mt ARC, 2054 Independence Dr, Maryville, TN 37803. smokymountain-arc.org

Nov 6-Nov 14, Veterans Day 1600Z-2300Z, K0V, Emporia, KS. Emporia Amateur Radio Society. 14.268 7.262 3.920 14.070 digital modes. QSL. Leslie Elliott, PO Box 372, Madison, KS 66860. From the birthplace of Veterans Day. www.qsl.net/emporiaars

Nov 27-Nov 28, 1400Z-2000Z, WA1NPO, Plymouth, MA. Whitman ARC. 18.140 14.280 7.250 3.860. Certificate & QSL. First Pilgrim Landing Whitman ARC, PO Box 48, Whitman, MA 02382. Times are daily. www.wa1npo.org

Nov 17, 1500Z-2300Z, 21.335 14.250 7.250. K7NRA NRA's 139th Birthday, Paulden, AZ. Yavapai ARC. Certificate. Mike Campbell, K7NRA, 404 Lampliter Village, Clarkdale, AZ 86324. Operating from Gunsite Academy. www.w7yrc.org/nra_birthday.htm

Nov 15, 1330Z-2200Z, 18.145 (if open) 7.245. W8V65th Anniversary of the reopening of Amateur Radio in the US post WWII. W8KBF. . Certificate. Sam Hevener, W8KBF, 3583 Everett Rd, Richfield, OH 44286.

Nov 13-Nov 14, 1400Z-2200Z, W5SGL. 14.290 14.250 7.250 3.850. Highlands And Islands 25th Silver Anniversary Scottish Highland Games and Celtic Music. Biloxi, MS. Mississippi Coast ARC Certificate. Terry Hull, 318 Joyce Ave, Long Beach, MS 39560. www.qsl.net/w5sgl

Nov 13, 1700Z-2359Z, SSB 14.320 7.250 NI6IW. Veterans Day; Marine Corps Birthday 1775; Cdr Richard Byrd made first flight over South Pole 1929 San Diego, CA. USS Midway (CV41) Museum Radio Operations Room. QSL. USS Midway Museum Radio Room, 910 N Harbor Dr, San Diego

For Those Interested in CW Special Events CWQMN Special Event Station October 23, 2010

By James Wades, WB8SIW

Over the past several months, the Michigan Net, QMN has been publicizing a special event station to be on-air on Saturday, October 23, 2010 from 2-PM to 5-PM Eastern Time in honor of the founding of America's oldest traffic and emergency net. This special event station will provide an opportunity for radio amateurs to work a station that is using vintage equipment from the 1930s and '40s.

When planning our special event, we chose 7055-kHz for two reasons. First, we will be using vintage equipment from the mid to late 1930s and we had a crystal available for this frequency. Furthermore, 7055-kHz is close to the FISTS and SKCC frequencies.

This past weekend, while testing the transmitter we restored for this event, we realized that 7055-kHz is a problematic frequency. All day long, it was tied up with the Canadian "Trans Provincial Net." A bit of research reveals this SSB net is on air for 12-hours a day from 7-AM to 5-PM. It also appears that similar net activity occurs during the evening hours.

Because 7055 is sort of "owned" by the Trans Provincial Net, we would like to announce an alternate frequency for the QMN Diamond Anniversary Special Event station. If 7055 is tied up with SSB activity, please look for us on 7037 kHz.

Those who make it into the log book will receive a nice certificate recognizing their participation in this historic event.

The special event station will be located at the Comstock Inn, Owosso, Michigan. It will operate from 2-PM to 5-PM in advance of the 75th Anniversary Banquet and program. It may return to the air after the event for a time during the evening hours. Radio Amateurs located in Central Michigan are invited to drop by the event to see the vintage station and display of historic radio apparatus including a working land-line telegraph connection to telegraph operators throughout the US and Canada.

We hope to hear some of you on the air!

73,
Jim, WB8SIW

Dissolution of Netherlands Antilles Creates Four New DXCC Entities

The dissolution of the Netherlands Antilles has caused changes to the [DXCC List](#). As per the [DXCC rules](#), the two Netherlands Antilles DXCC entities will be deleted and moved to the Deleted Entities List. Four new entities will be added to the DXCC List: (1) Curaçao; (2) Sint Maarten; (3) Saba and St Eustatius, and (4) Bonaire. The event date and time for these changes was 0400 UTC, October, 10 2010. Confirmations for these new entities will be accepted for credit starting January 1, 2011. Other administrative changes and actions will be announced as they are finalized.

Per the ARRL DXCC Desk, no confirmations for these new entities will be accepted until after January 1, 2011; other administrative changes will be announced as they are finalized. Look for more information on the ARRL Web site, in upcoming editions of *The ARRL Letter* and in the December 2010 issue of *QST*.

Amateur Radio Operators and Chilean Mine Rescue

Amateur Radio Operators provided communications support during the Chilean mine rescue. As the last of the 33 miners who were trapped 2300 feet deep inside the Chilean San José Mine rose to the surface at 0055 UTC on October 14, the world cheered in unison. The miners, who were underground for 69 days -- the longest time ever for miners to be trapped and survive --, all emerged relatively healthy. Amateurs with the Radio Club Copiapó, CE1CPI, provided communication support between the authorities and emergency equipment operators inside the San Jose Mine complex, as well as with families of the trapped miners in the complex and authorities in Chilean town of Copiapó.

Forecast of Solar and Geomagnetic Activity

Activity is expected to decrease to quiet levels during 15-20 October. Activity is expected to increase to quiet to unsettled levels on 21-22 October as another recurrent CH HSS begins to disturb the field. Mostly quiet levels are expected for the remainder of the forecast period.

Here Comes Winter

As autumn's mild weather passes, people are making preparations for the short days and long cold nights of winter. While neighbors are giving the final cut to the lawn, collecting leaves, tuning up snow machines and putting the final touches on their home before winter sets in, many of us have additional chores. New antennas have to be put up and tuned while old ones get needed repairs. Equipment in the shack is checked and tuned while endless hours are spent scanning equipment catalogs for that one piece of new gear that will help grab those last few contacts for a WAS or maybe even a WAC. Special Event Stations, contests and good old CQ calling will provide plenty of opportunities to work DX. Along with checking hardware this also might be a good time to tune needed skills including your knowledge of the HF bands from 10 to 160 Meters. Whether you are an old hand to amateur radio or just got your HF privileges, knowing when and where to look for the best chance of logging that needed QSL is one of the important keys to success. Have a great winter season.

HF BAND DESCRIPTIONS

10 meters – 28–29.7 MHz – Best activity is during solar maximum; during periods of moderate solar activity the best activity is found at low latitudes. The band offers useful short to medium range ground wave propagation, day or night. During the spring and early summer month's afternoon short band openings into small geographic areas of up to 1500km occur due to "Sporadic E" propagation. "Sporadic E" are islands of intense E layer ionization, its origin not fully understood, but these "islands" can provide short term propagation from 17meters all they way up to occasional 2meter openings.

12 meters – 24.89–24.99 MHz – Mostly useful during daytime, but opens up for DX activity at night during solar maximum. 12 meters is one of the new WARC bands.

15 meters – 21–21.45 MHz – Most useful during solar maximum, and generally a daytime band. Daytime sporadic E propagation (1500km) occasionally occurs on this band.

17 meters – 18.068–18.168 MHz – This is similar to 20m, but more sensitive to solar propagation minima and maxima. 17 meters is a WARC band.

20 meters – 14.0–14.35 MHz – Considered the most popular DX band; usually most popular during daytime. QRP operators recognize 14.060 MHz as their primary calling frequency in that band. Users of the PSK31 data mode tend to congregate around 14.071 MHz. Analog SSTV activity is centered around 14.230 MHz.

30 meters – 10.1–10.15 MHz – This a very narrow band which is shared with non-amateur services. It is recommended that only Morse code and data transmissions be used here, and in some countries amateur voice transmission is actually prohibited. Not released for amateur use in a small number of countries. Due to its location in the centre of the shortwave spectrum, this band provides significant opportunities for long-distance communication at all points of the solar cycle. 30 meters is a WARC band. "WARC" bands are so called due to the special World Administrative Radio Conference allocation of these newer bands to amateur radio use. Most radio amateur contests are not run on the WARC bands.

40 meters – 7.0–7.2 MHz – Considered the most reliable all-season DX band. Popular for DX at night, 40 meters is also reliable for medium distance (1500KM) contacts during the day. Much of this band is shared with broadcasters, and in most countries only the bottom 100 kHz or 200 kHz are available to amateurs. However, due to the high cost of running high power commercial broadcasting facilities; decreased listener-ship and increasing competition from net based international broadcast services, many 'short wave' services are being shut down leaving the 40 meter band free of interference for amateur radio use.

60 meters – 5 MHz region – 60 meters is a relatively new allocation and only available in a small number of countries such as the United States, United Kingdom, Ireland, Norway and Iceland. In most countries, the allocation is channelized and may require special application, and in the USA it is mandatory to operate in upper sideband mode.

80 meters – 3.5-4 MHz (3500–4000 kHz) – Best at night, with significant daytime signal absorption. Works best in winter due to atmospheric noise in summer. Only countries in the Americas and few others have access to this entire band, in other parts of the world amateurs are limited to the bottom 300 kHz or less. In the US and Canada the upper end of the sub-band from 3600–4000 kHz, permits use of single-sideband voice; often referred to as 75 meters.

160 meters – 1.8-2 MHz (1800–2000 kHz) – Often taken up as a technical challenge; as long distance (DX) propagation tends to be more difficult due to higher F-layer ionospheric absorption. Long distance propagation tends to occur only at night, and the band can be notoriously noisy particularly in the summer months. 160 meters is also known as the "top band". Allocations in this band vary widely from country to country. This band lies just above the commercial AM broadcast band.

Looking Back

73 Magazine (also known as **73 Amateur Radio Today**) was a US-based amateur radio magazine that was published from 1960 to 2003. It was known for its strong emphasis on technical articles and for the lengthy editorials in each issue by its founder and publisher, Wayne Green. The magazine title, *73*, means "best regards" in amateur radio lingo. Green, a former editor of *CQ Amateur Radio* magazine, published the first issue of *73* in October 1960.

Amateur radio service restarted on October 1, 1919. By 1917, World War I had put a stop to amateur radio. In the United States, Congress ordered all amateur radio operators to cease operation and even dismantle their equipment.^[16] These restrictions were lifted after World War I ended.

Sputnik Launched October 4, 1957

Important Dates

Oct. 25—Next General Meeting

Oct. 25—RSVP and money for LARC due.

Nov. 6—Larc Nite Out

Nov. 7—Dossin Museum/Fitzgerald Memorial

Dec. 31—Membership dues expire.

Hamfests/Conventions

10-24-2010 **USECA Swap**: Sterling Heights, Mi.

Type: ARRL Hamfest

Sponsor: Utica Shelby Emergency Communication Association

Website: <http://www.USECAARC.com>

12/05/2010 **LCARC Amateur Radio Swap/Hamfest**

Location: Harrison Township, MI

Type: ARRL Hamfest

Sponsor: L'Anse Creuse Amateur Radio Club

Website: <http://www.N8LC.org>

01/16/2011 | 45th **Hazel Park ARC Hamfest** Location: Hazel Park, MI

Type: ARRL Hamfest

Sponsor: Hazel Park Amateur Radio Club

Website: <http://www.hparc.org>

02/20/2011 | **Livonia Amateur Radio Club Swap-N-Shop** Location: Livonia, MI

Type: ARRL Hamfest

Sponsor: Livonia Amateur Radio Club

Website: <http://www.livoniaarc.com/Swap.htm>



Corn Roast Photos
 Courtesy of
 John Dillenger



Livonia Amateur Radio Club

Talk-in
145.35 with 100 PL
or 146.52 Simplex

40th
ANNUAL

GREAT
VENDOR
ACCESS

SWAP-N-SHOP

Buy and Sell Amateur Radio
Gear, Computers, or
Electronic Test Equipment



Civic Park Seniors Center
15218 Farmington Rd.
Livonia, MI
(SE corner of Farmington
Rd. and 5 Mile Rd.)



Livonia ARC
P.O. Box 51532
Livonia, MI 48151-0532

Call (734) 941-5043
or e-mail us at k8uns@arrl.net

*Lots of Tables
(8' tables for \$16 each
in advance or if available
\$20.00 at the door)

*Door Prizes
*Food Concession
*Tickets \$5

Sunday, February 20, 2011 8:00am - 12:00pm