



THE LED

FEBRUARY 2008

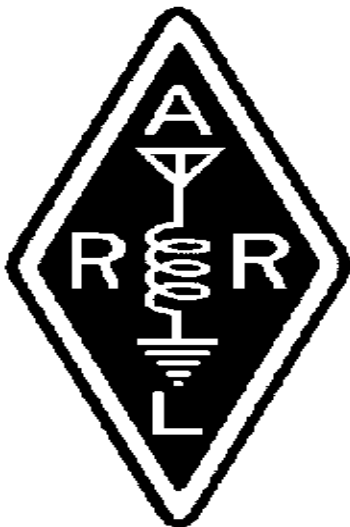
**Livingston Amateur
Radio Klub
PO Box 283
Howell, Michigan
48844**

www.w8lrk.org

NET 146.680
SUNDAY 9PM

CLUB CALL IS: W8LRK

NEXT KLUB MEETING
February 14th 7:30PM at the
EOC, Highlander Way, Howell, MI



BOARD MEMBERS

President Van N8GVD
Vice-President Dick W8KDR
Secretary Mary KC8SER
Treasurer Clairus KC8QQN
Program Director Jon KC8VAB
Tech Coordinator Jim WB8AZP
Board Member Chuck W8CLK

COMMITTEE CHAIRPERSON'S

Repeater Trustee Jim WB8AZP
LED Editor Neil K8IT
VE Coordinador W5YI Jim WB8AZP
VE Coordinador ARRL Van N8GVD
PIO Officer Brandon KC8YHE
PIO Officer Jim N8ENX
Webmaster Les W8MSP

The Livingston Amateur Radio Klub maintains the 146.680 (Negative Offset, 162.2 CTCSS) and also the 444.525 (Positive Offset, 100.0 CTCSS) repeaters in Livingston County.

Please feel free to use them with good Amateur Operating Practices and don't forget to attend our meetings!

PREZ SAYS

I'd like to wish you a Happy New Year!



WOW! Nice turn out for the January meeting, I hope that every one had as good of a time as I did. Like to know if any of those antennas got on the air and how they worked?

Lots of things to do this month, a couple of breakfasts, testing session a meeting to include a program by Russ K8AF OH I almost forgot the Awards Banquet. Hope that you will be able to make these events.

Our ability of providing Emergency Communications to served agencies is a very important part of the spirit of Amateur Radio. I want to thank those that have stepped up taken the required courses and training and participated in the exercises. But of course we can do better and waiting until we are needed isn't the time to decide you want to help. I would encourage all Radio Amateurs to become more involved in ARES and RACES take the required classes and making time to participate in the exercises. Having the training is as important as having the ability to do the job. To learn more visit www.n8eoc.org, www.w8lrk.org click on the ARES RACES tab or contact our EC or any of the AEC'S. This is going to be a reoccurring message.

Our EC attends almost every Klub meeting and keeps us informed on training and requirements for ARES and RACES; he also keeps up to date on the direction the County and even the District in moving towards. Don't have to be a Klub member to show up. Get you information straight from the EC.

Van N8GVD

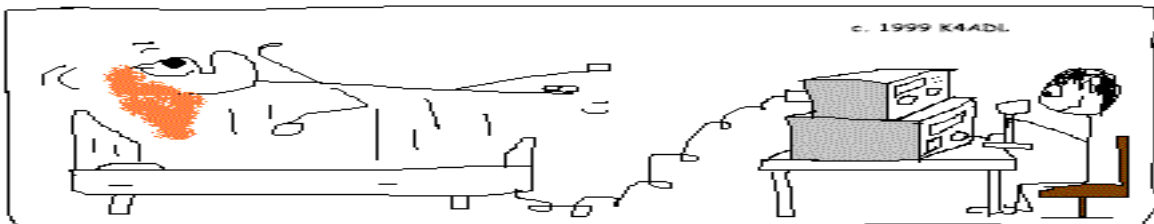
LARK SOCIAL

LARK Dinner before the Meeting Check in on the 146.68 repeater.

LARK Saturday Morning Breakfast

Join us for Saturday morning breakfast, held on the first and third Saturdays of each month. Our current location is the Crossroads Grill, near the intersection of Oak Grove Road and M59 in Howell. (The restaurant is located near the south end of the Kroger plaza). This is a great opportunity to get together with hams that can't always make our regular Klub meetings, and for hams just passing through! All are welcome!

Cartoon reproduced from www.qsl.net/k4adl



ONCE A COMMON PRACTICE FOR APARTMENT DWELLERS,
LOADING UP THE BEDSPRINGS IS NOW CONSIDERED POLITICALLY INCORRECT.

LARK Meeting Minutes 1-10-08

- The Pledge Of Allegiance was recited.
- Introductions were made.
- Sec Report as in the LED.
- Treas Report postponed.
- Aries-Races; Hillcrest Site The building is on the foundation, with the gas and electric hooked up. More radios and antennas were ordered.
- The repeater is doing just fine.
- Raffle Tickets---see Clairus KC8QQN.
- Banquet Feb 10,2008 American Legion Hall (in basement). Bring two good size dishes to pass. Begins at 12 pm. Bring your raffle prizes, to raffled off.
- The WB8OHO nominees are Dick W8KDR, Ricky KD8YEO, Jon KC8VAB, Mary KC8SER, Jim WB8AZP, Bruce N8WWX. Steve N8GQ made motion to close the nominations, Jim WB8AZP seconded. Motion passed.
- NO old business,
- No new business.
- Motion to adjourn was made by Brandon, Don, and Pat Motion passed.

Respectfully Submitted
Mary KC8SER

FEBRUARY 2008 SWAPS

17 Feb 2008 +	37th Annual Swap 'N Shop Livonia Amateur Radio Club http://www.LivoniaARC.com Talk-In: 145.35 Contact: Sharon Ann Keller, KA8SRC 30148 Puritan Street Livonia, MI 48154 Phone: 734-427-3934 Email: driskell55@aol.com Livonia, MI Civic Park Seniors Center 15218 Farmington Road Div: Great Lakes Sect: Michigan	Livonia, MI Civic Park Seniors Center 15218 Farmington Road Div: Great Lakes Sect: Michigan
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WIN This RADIO

ICOM IC-7000 & RMK KIT



Serial Number 0507622

CLICK for INFO: <http://www.universal-radio.com/catalog/hamhf/0700.html>

**Ticket sales for the LARK Raffle for an
IC-7000 with RMK remote kit
valued at \$1,539. will start at the
December 13th LARK meeting**

The DRAWING will be held at 9pm March 13th at the LARK Meeting
300 S Highlander Way, Howell, MI
You need not be present to win

***Tickets will be available at \$20 each (only 150
will be sold) from any LARK Board member at any
LARK function starting December 13th.***

***Order by mail: LARK, PO Box 283, Howell, MI 48844.
Make checks payable to: LARK
For more information call Dick 810-923-3600***

Tubs of Tubes

Dan Romanchik, KB6NU
MI Affiliated Club Coordinator

The other day I got a call from a guy whose website I'm working on. He says he's calling from the Ann Arbor Reuse Center and that they have two tubs full of vacuum tubes there. He asked, "Do you know anyone who might want them"?

"How much are they asking for them"? I reply.

"Ten cents a piece."

"How many are there"?

"I'd guess about two hundred."

"Well, tell them I'll give him 20 bucks for all of them."

He tells them that I'll give them \$20 for the lot. I hear some mumbling. He comes back on the line and says they're negotiating. After a minute or two, he says, "OK. You got them. How do I get to your house"?

I gave him directions, and in about 15 minutes, he pulls up to my house, gets out, opens the hatch, and pulls out two plastic tubs and a cardboard box with vacuum tubes in them. I can tell he was way off in his estimate. There must be at least 400 tubes in all.

There's nothing really exotic--most of them seem to have been taken out of old TV sets--but I did find a couple of 6J6s. These are the tubes used for the single-tube transmitter I have been thinking about building (see http://wv7g.home.mindspring.com/jones_6j6.html for more info). In one of the tubs, there was even a socket for the 6J6.

There are also a bunch of 6KS7s. According to the RCA tube manual, these tubes were often used as RF or IF amplifiers. That sounds like the beginning of a receiver project, doesn't it? In fact, 6SK7s were used in the receiver section of the ParaSet (<http://www.mines.uidaho.edu/~glowbugs/paraset.htm>), a "spy radio" used during WWII.



And, of course, there are a bunch of rectifiers to make a power supply. Now, all I have to find some cheap transformers. Anyone know a good source for them?

When he's not wondering what he's going to do with more than 400 vacuum tubes, KB6NU works CW and PSK on the HF bands and blogs about ham radio at www.kb6nu.com. You can reach him by e-mail at cwgeek@kb6nu.com.

Digital Television – Act Now!

Neil Sablatzky K8IT

If you have not heard, February 17, 2009 will be the last day of analog television in the United States. What does this mean! After this date all television signals broadcast over the air, ie: channel 2 – 83 will be going to a digital format. Your current TV if it is not a digital TV (HDTV) will not pick up the signal. What are your options you ask?

1. Purchase a new HDTV set.
2. Subscribe to a pay TV service, and use the converter boxes they will provide.
3. Obtain an over the air HDTV converter box. This box will receive the new digital signals and convert them to your old TV's format.

(To see what this looks like with a converter box, visit the Howell Walmart Television section. Walmart uses a converter box with several amplifiers to feed all of there display TV's.)

(Also the government has a \$40 discount coupon available for these converter boxes. To receive a coupon, go to www.DTV2009.gov or telephone 1-888-DTV-2009 (1-888-388-2009))

And remember Van's words. As the amateur communications experts we should find ways to provide community service to the public. How many people do you know who might not be capable of making the required changes to their TV's. We should try to assist the many senior citizens and others who do not understand what this dramatic change in television means.

On a closing note, please remember that most TV stations are currently broadcasting the new HDTV format and the old analog format. So start planning to switch over as soon as possible.



LARK Coming Events



All Amateurs and Non Amateurs are welcome

Feb 2 – LARK Breakfast, 8 am at the Crossroads Grill M-59 at Michigan Ave/Oak Grove Road (west end of the Kroger Plaza in Howell).

Get your ICOM IC-7000 Radio Raffle Ticket.

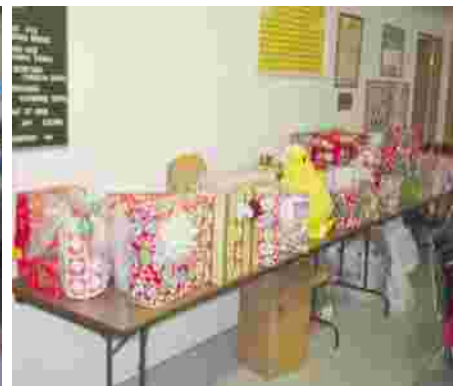
Feb 10 – LARK Awards Banquet and White Elephant Sale Noon to 5pm

at the American Legion Hall on Grand River at M-59 in Howell. Bring a dish to pass, a wrapped gift for the White Elephant Sale and your rabbits foot so you don't end up with the White Elephant.

Get your ICOM IC-7000 Radio Raffle Ticket.



Pictures from last year



Feb 12 – VE Amateur License testing, 7 pm at the EOC, 300 South Highlander Way, Howell. Including ARRL FCC Amateur License, Code Proficiency and ARECC testing. Contact: Van N8GVD at 313-999-5547 or e-mail bvandam@comcast.net . Walk-ins are welcome.

Get your ICOM IC-7000 Radio Raffle Ticket.

Feb 14 – LARK Monthly Meeting, 7 pm at the EOC, 300 South Highlander Way, Howell. The Program will be on Aircraft Radios. Speaker will be 14 yer Air Force fighter pilot flying F-15C , combat Navy flight instructor on T-2C and TA-4J, commercial pilot flying B-747 and current FAA employee, Russ K8AF.



Get your ICOM IC-7000 Radio Raffle Ticket.

Feb 16 – LARK Breakfast, 8 am at the Crossroads Grill M-59 at Michigan Ave/Oak Grove Road (west end of the Kroger Plaza in Howell. **Get your ICOM IC-7000 Radio Raffle Ticket.**

Mar 1 – LARK Breakfast, 8 am at the Crossroads Grill M-59 at Michigan Ave/Oak Grove Road (west end of the Kroger Plaza in Howell.

Get your ICOM IC-7000 Radio Raffle Ticket.

Mar 8 – Net Control Training Class 9am – 12 noon at the EOC, 300 South Highlander Way, Howell. Bring a 2M HT.

Mar 11 – VE Amateur License testing, 7 pm at the EOC, 300 South Highlander Way, Howell. Including W5YI FCC Amateur License, Code Proficiency and ARECC testing. Contact Jim WB8AZP at 810-220-2134 or e-mail wb8azp@arrl.net . Walk-ins are welcome.

Get your ICOM IC-7000 Radio Raffle Ticket.

Mar 13 – LARK Monthly Meeting, 7 pm at the EOC, 300 South Highlander Way, Howell. The Program will be a Special Overview of Ted Fujita’s work developing the Fujita Scale used to rate Tornados. Speaker will be Ted’s son Kaz Fujita, a Professor of Geological Sciences at MSU. Kaz has extensive background in earthquake studies in Russia and Michigan. Kaz does a very interesting and entertaining presentation. All SKYWARN Spotters will want to attend this one. **LAST chance to get your ICOM IC-7000 Radio Raffle Ticket.**

Ted Fujita 1920-1998



Kaz Fujita



RAFFLE DRAWING FOR THE ICOM IC-7000 WITH RMK KIT WILL BE HELD AFTER THE BUSINESS MEETING. DON'T MISS ALL THE EXCITEMENT.

Mar 15 – LARK Breakfast, 8 am at the Crossroads Grill M-59 at Michigan Ave/Oak Grove Road (west end of the Kroger Plaza in Howell).

Apr 5 – LARK Breakfast, 8 am at the Crossroads Grill M-59 at Michigan Ave/Oak Grove Road (west end of the Kroger Plaza in Howell).

Apr 8 – VE Amateur License testing, 7 pm at the EOC, 300 South Highlander Way, Howell. Including ARRL FCC Amateur License, Code Proficiency and ARECC testing. Contact: Van N8GVD at 313-999-5547 or e-mail bvandam@comcast.net . Walk-ins are welcome.

April 1 – NWS Skywarn Class. Location & Time to be announced

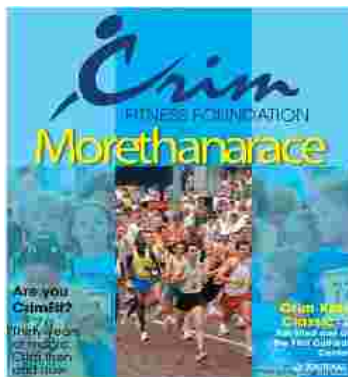
April 10 – LARK Monthly Meeting, 7 pm at the EOC, 300 South Highlander Way, Howell. The Program will be a collection of Morse Code Keys and custom paddles. Several different keys will be on display and live for you to try. Speaker is Greg WB8LZG who makes custom paddles.



Apr 19 – LARK Breakfast, 8 am at the Crossroads Grill M-59 at Michigan Ave/Oak Grove Road (west end of the Kroger Plaza in Howell).

May 3 – LARK Breakfast, 8 am at the Crossroads Grill M-59 at Michigan Ave/Oak Grove Road (west end of the Kroger Plaza in Howell).

May 8 – LARK Monthly Meeting, 7 pm at the EOC, 300 South Highlander Way, Howell. The Program will be a presentation on the use of ATV in support of the Crim Race in Flint each year. There will be a live ATV station set up. Speaker will be Jerry Baker the (PIO) Public Information Officer of GCARES.



May 13 – VE Amateur License testing, 7 pm at the EOC, 300 South Highlander Way, Howell. Including W5YI FCC Amateur License, Code Proficiency and ARECC testing. Contact Jim WB8AZP at 810-220-2134 or e-mail wb8azp@arrl.net . Walk-ins are welcome.

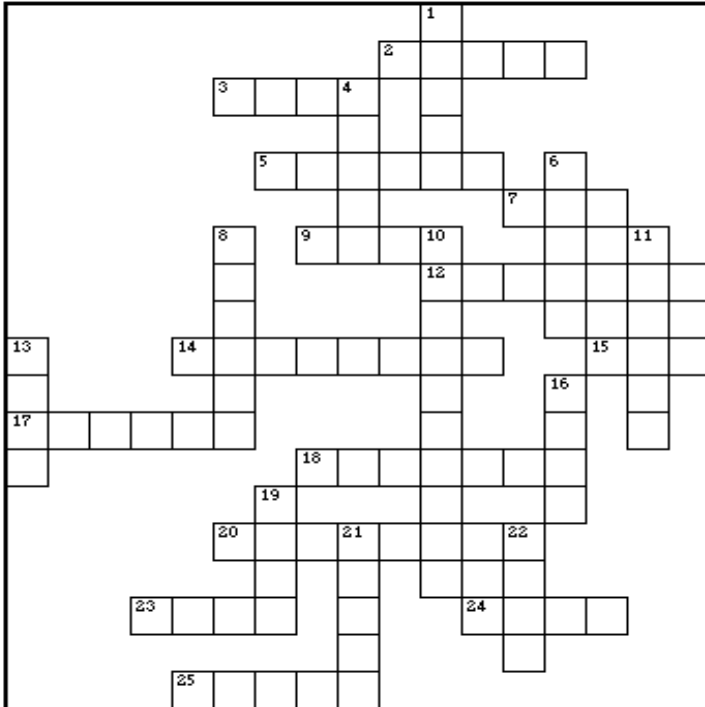
May 17 – LARK Breakfast, 8 am at the Crossroads Grill M-59 at Michigan Ave/Oak Grove Road (west end of the Kroger Plaza in Howell).

LED FUN!

What is the object on the right?
What is it used for?
Who invented it?



ANTENNAS by Rob L. Dey, KA2BEO



ACROSS

- 2 A transformer that essentially balances unbalanced feedline.
- 3 A beam that is cubical.
- 5 A soft metal that is melted into a conductive joint.
- 7 A wire used to strengthen a structure.
- 9 The pole that supports most aluminum antennas.
- 12 A large wire antenna.
- 14 The pair of conductors that carry power to and from the antenna, which can be open.

15 An eight-foot nail to ground your station.

17 The earth.

18 An antenna tuner.

20 An antenna that is not horizontally-polarized.

23 The supporting element of a beam.

24 A cable with a center conductor, and an outer shield.

25 An antenna...

DOWN

1 Contains more than one wire.

4 A type of beam with loops.

