

# IARC, Inc News



Irving Amateur Radio Club Inc. – P.O. Box 153333, Irving, TX 75015-3333  
The Friendly Bunch – Website <http://www.irvingarc.org/> - WA5CKF Repeaters  
146.72 (110.9 Hz) – 224.40 – 442.675 MHz - Public Service

## MARCH 2005

### Upcoming Scheduled Meetings

Next scheduled Board Meeting April 14, 7:30 p.m. at Heritage Park  
Next scheduled General Meeting March 24, 7:30 p.m. at Senter Park East. Program given by Bill Caldwell on AREA Amateur Radio Emergency Service. Jeff WA5RWO will have a slide show of the 2004 and 2005 Hamfest.

### Monthly Fox Hunt

A monthly Fox Hunt is held on each Sunday following the 4<sup>th</sup> Thursday general club meeting. Starting point is SH183 & Story Road in the parking lot on the northwest corner at 1:30 pm. Winner of the hunt gets to be the FOX next time. All Amateur Radio operators are welcome.

### Upcoming VE Test Sessions

VE Testing Sessions are held every 3<sup>rd</sup> Saturday at 8:30 am Betcha Bingo #2 2420 Irving Blvd (Story and Irving Blvd), Irving, TX you will need:

2 forms of identification – one must include photo  
Pencils or pens (black or blue)  
Your current Amateur Radio License (if you have one) and a copy of same to file with  
your application; your CSCE; and a copy of same, if you have completed relative  
elements at a prior session  
\*\*\$14.00 exam fee\*\*  
Contact for further information  
Chuck Beaupre 972/745-8456

## Upcoming Events

March 26 – NTTR Grassland Run – See Jim Shultz if interested

## Birthdays

March  
Carrye Johnstone KD5RFB – 3/9  
Matthew Brown KC5IVQ – 3/14

April  
Jerry Irish KB5VZC – 4/3  
Amelia Shultz KD5TXQ - 4/11

Dennis Bozeman WA5ALJ – 3/18  
Bill Flowers K5VKL – 3/19  
William McCright KD5ICO – 3/26  
Thomas Katopody N9TY – 3/27  
Kenneth Johnstone KE5CDO – 3/30  
Billy Geer KA5OZC – 3/30  
Jim Nordgren W8EP – 3/31

## Ham Shack

Dennis Brady – Chairman

We have recently restored the IARC station to full operation on bands 80 – 10. There are two functional stations available for use. Contact Dennis Brady 972/790-9026 or any of the Club officers to gain access to the station/equipment.

## New Land Mobile Service Bulletin LSB-0306

Please find attached LSB-0306, which announces Kenwood's switch to lead-free products and new procedures for soldering. Please make sure all within your company are aware of this important issue as it will affect the repair of Kenwood products. This bulletin is also now available on the SatisFusion claims processing website.

Thank you!

## Communications Sector Technical Bulletin # LSB-0306

Date: January 19, 2005

**Title: Introduction of Lead-Free Solder Products and Rework information**

Kenwood USA Corporation is pleased to announce its commitment to the introduction of ecologically friendly products worldwide. January 2005 – March 2005 is the transition period in which all Kenwood products will incorporate lead-free (LF) solder. While the European RoHS and WEEE Directives enforce the use of lead-free solder from July 2006 and other countries have not yet committed to a deadline, Kenwood strongly believes in being a major leader in lead-free products and technologies. Lead-free products will have the LF symbol printed on each internal circuit board. In addition new Service Manuals will have the LF symbol printed on the front cover. There are several solder blends that can replace the traditional 63/37 or 60/40 tin-lead solders. Kenwood has chosen to use Nihon Almit Co. Inc. LFM-48 HR-19M containing 96.5% tin, 3.0% silver, and 0.5% copper in its worldwide production facilities. In the near future, we will carry this solder in our Parts Department in three diameters. Pricing will be announced later.

Part Number	Description
W05-1196-00	1.2mm Almit LFM-48 HR-19M, 800g
W05-1197-00	1.0mm Almit LFM-48 HR-19M, 800g
W05-1198-00	0.8mm Almit LFM-48 HR-19M, 800g

Kester and WBT offer compatible blends of solder in the USA for routine repair and rework. Kester offers water soluble and no-clean solders and WBT offers halogen free flux solder. All are safer for the environment and the flux is not aggressive, reducing etching or other damage to circuits. No-clean solder produces a low amount of residue. The circuit does not need to be cleaned after rework. Water soluble leaves residue from organic flux agents. This can be cleaned with distilled water. WBT halogen-free solder leaves some residue and can be cleaned with alcohol. Kester solder part numbers are 24-7068-7600/7602 no-clean and 24-7068-6401/6403 water soluble. The last four digits (e.g. 7600 versus 7602) indicates solder diameter. Kester’s solder is approximately \$30.00 for one pound. WBT-0800/0820/0840 are current part numbers of the WBT Silver solder series. The four digits indicate the amount of solder to purchase, such as 42 grams, 250 grams or 500 grams. The 500 gram (about 1 pound) spool is about \$80.00. It is very important to understand that tin-lead solder cannot be used on LF circuit boards and components. The tin-lead solder flows at too low of a temperature to establish a strong joint with lead-free components and traces. Traditional 63/37 solder melts at 361F (183C). Traditional 60/40 solder melts at 374F (191C). LF solder containing 96.5% tin, 3.0% silver, and 0.5% copper melts between 423F (217C) and 439F (221C). LF solder that is comprised of just tin and silver melts at higher temperatures. Lead-free solder stations are already available from Weller and Kester; however, it may not be necessary to purchase new equipment at this time. Weller, Kester, and Hakko have extremely useful information on their websites that discuss the use of larger tips while maintaining the soldering station temperature between 700 – 800F. It is extremely important not to mix conventional and lead-free solder on the tip as this may induce lead into an LF circuit. You can use lead-free solder on conventional and LF circuit boards allowing for no change in your current equipment. Or you can maintain two sets of equipment, one for current and older equipment and one for new LF equipment.

Soldering iron tip maintenance is very critical when using lead-free solder. The tip must be cleaned after every use and tinned to avoid premature corrosion. Tip replacement is

required more often. You will need to experiment with tip size and possibly temperature in order to become familiar with lead-free solder. Vacuum solder tools are another important item to maintain, as lead-free solder can solidify before entering the filter chamber. Temperature settings and cleaning are very important. Also, newer vacuum tools are becoming available that have a larger diameter nozzle and shaft leading to the filter. Hakko, Weller (Coopertool) and Kester offer important rework information to help avoid damaging components and foil patterns. It is important to carefully read up on the techniques offered and then practice before repairing products. Lifted foils, contaminated circuits, cold solder joints, and thermally shocked components are not covered under Kenwood's warranty program. If you have any doubt about repairing LF circuits, send the product to one of Kenwood's repair facilities.

Below are the links to information from Hakko, Weller and Kester.

[www.hakkousa.com/](http://www.hakkousa.com/)

[www.coopertool.com/brands/weller/](http://www.coopertool.com/brands/weller/)

[www.kester.com/en-us/leadfree/requirements.aspx](http://www.kester.com/en-us/leadfree/requirements.aspx)

If the links expire, use a browser to search for these companies and lead-free or non-lead information. Kenwood recommends that you start reviewing Internet information and have your technicians experiment with LF solder at their earliest convenience.

Remember, you cannot use convention solder on future LF products. The content of this bulletin is for information only. No warranty compensation is allowed.

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## **Recipe**

### **SUGAR FREE CHERRY PIE**

1 or 2 cans tart cherries in water

1 tsp cinnamon

16 pkgs Equal Sweetener

1 tbsp margarine

2 tsp cornstarch

Combine all ingredients in a saucepan.

Over medium heat, stir all ingredients till heated through and butter is melted.

Pour into an unbaked pie shell. Cover with top crust or lattice top.

Brush beaten egg white on top of crust and sprinkle with extra Sweetener

Bake in preheated oven at 400 degrees for about 30 to 45 minutes or until cherry juice begins to bubble through the crust. Let pie sit before cutting it. Crust should be brown.

## **Subject: IARC Inc. 2005 Election**

In accordance to the bylaws Article IV 4.2, Irving Amateur Radio Club Inc. will have an election March 24, 2005 at the general meeting 7:30 Pm Senter Park East.

Officers to fill the office of

President term 2005—

V-President term 2005—

Secretary term 2005–Treasurer term 2005 –

2 (two) Directors term 2005-2006

The nomination committee, Chairperson Lee Vincent K5LMH presented the following to the membership Feb. 24, 2005 as nominees:

President -- Charlie Brown KD5OPG

V-President—Dennis Riise K5AVT

Secretary –Doyle Taylor AD5KE

Treasurer –Coleta Taylor KD5QFH

Director Term 2005-2006- Gordon Gremillion

Director Term 2005-2006- Jim Shultz W5OMG

Nominations will be taken from the floor.

Installation of officers and directors will be at the general meeting April 28, 2005

**IARC Inc. Board & Business meeting minutes of Feb.10, 2005 at Heritage Park, Irving, TX.**

The meeting was called to order by V-Pres. Charlie Brown, approx 7:30 p.m.

Prayer by Dennis Riise

Pledge of allegiance by the membership and guests.

14 signed the roster --- 6 board -- 8 members

Motion to accept Minutes for Board and Business meeting Jan. 13, 2005 with corrections read by secretary Doyle Taylor.

By Dennis Riise second by Lee, motion carried.

Motion to accept Minutes for General meeting Jan. 27, 2005 read by secretary Doyle Taylor.

By Lee second by Bill AC5BC, motion carried.

Treasurer Report Jan 31, 2005 by Coleta:

General \$ 6,260.09

Repeater 10,782.45

Total \$ 17,042.54

64 paid members to date.

Motion to accept by Bill C., second by Lee motion carried.

Bingo Report by Coleta

4 th qtr. Taxes paid in the amount of \$ 5928.40. Still have three nights a week, doing better on the income. Seems to pick up this time of the year. Motion to accept by Bill C., second by Lee, motion carried.

Bill C.report: DSL is to be installed by paid monthly by Betcha Bingo, Club will run drops to HamShack and their office and furnish wiring and router. Hope to have it installed by Hamfest, so John Beatle N5OOM can have it for his YFI Equipment. Follow up to Chief Larry Boyd for the Feb. 24th general meeting program.

ARRL Now you are talking Ham classes for the club to have ---- to be discussed more at a later date.

Letter of authorization to copy ARRL training tapes has been received and Dennis K5AVT has made the copy and original tapes returned to Jim W8EP.

Lee Vincent has agreed to be the nominating committee chairperson for officer and directors election Mar. 24, 2005. Lee's committee, is Raymond Jeffcoat WA5RWO, Ray McCoy KA5HUW, Bill Byrom N5BB and Tom Schuessler N5HYP, Doyle, IARC Inc. secretary has inform the committee in writing. Nomination will be presented to the club at the general meeting Feb 24, 2005.

After discussion of things needed for the club trailer, Motion by Dennis Riise to appropriate up to \$900.00 to out fit club trailer, and appropriate up to \$600.00 for Amateur Wi-Fi portable network, second by Coleta, motion carried.

Reminder:

2005 Hamfest committee meeting Mon.Feb.21, 7Pm at Betcha Bingo #2.

Hamfest worker online register, Please.

VE session 3d. Sat. Feb. 19 Betcha Bingo # 2. NOTE!!! Next month VE session will be at the Hamfest 2nd Sat. Mar 12. Instead of the 3rd Sat.

General meeting place change for Feb.24 it will be at the Gardens and Arts Center.

Fox hunt -- Next one will be Sun.Feb.27. Josh KD5ZBD will be the Fox.

Grassland Run Mar. 26, 2005 See Jim W5Omg if interested in coming.

Good turn out for the Skywarn training class at the Irving Library Sat.Feb. 5, 2005.

Note per Coleta: Special Service Club accreditation to be renewed April 2005

History Discussion on the date of club first exsistance. Meeting with older members (Hall Bond K5ZSB, Al Klokau W5VSH) and Lanny Phillips W5BOS to get more information hopefully Feb. 18.

Meeting adjourned approx 8:45 pm.

Respectfully Submitted  
IARC Inc. Secretary  
Doyle L. Taylor AD5KE

**IARC Inc. general meeting minutes of Feb. 24, 2005 at the Garden and Arts Center. Irving, TX.**

The meeting was called to order by V-Pres. Charlie Brown KD5OPG  
Vice-Pres. Charlie Brown approx 7:30 Pm  
Prayer by Gordon Gremillion K5LTC  
Pledge of allegiance by the membership and guests.

Members and guests gave their name and call sign.  
34 members and 5 guests signed the roster.

Guests signed the roster were guest speaker Chief Police Larry Boyd and IPD Capt. Bob Jones, Tracey Pierce, Mike Allred N5MA, Marc Melane, ICOP # 1744  
Welcome to IARC Inc.

Program for the night by Irving Police Chief Larry Boyd. Very good information on what the city is doing and the interaction he hopes to have with the community and the Irving Amateur Radio Club Inc. and I Cop's.

Get acquainted with your beat officer. [www.irvingpd.com](http://www.irvingpd.com) click on "email your beat officer " (to the left) follow the direction on this site. Very helpful.

Refreshments were enjoyed by all present, cookies and cold drinks brought by Amelia Shultz and cake by Tracey, real good (need the recipe)

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V-President—Dennis Riise K5AVT  
Secretary –Doyle Taylor AD5KE  
Treasurer –Coleta Taylor KD5QFH  
Director Term 2005-2006- Gordon Gremillion K5LTC  
Director Term 2005-2006- Jim Shultz W5OMG

Election will be March 24, 2005 at the general meeting 7:30 Pm Senter Park East  
Nominations will be taken from the floor.

Installation of officers and directors will be at the general meeting  
April 28, 2005

50 /50 Raffle \$ 42.00 and the winner was Josh KD5ZBD and he donated his share (\$21. 00) to the repeater fund.

Club badge order was brought to the meeting by Coleta and several picked their badges up and paid for them.

Marc Melane ICOP # 1744 asked the club for communication help on the Pumpkin Run in Valley Ranch Sat.Oct. 22,2005. More information later.

Reminder:

Fox Hunt Sun.Feb 27 Story & 183 1:30 pm-- Josh KD5ZBD is the FOX  
2005 Hamfest committee meeting 7Pm Betcha Bingo # 2 Mon.Mar. 7

**2005 IARC Inc, Hamfest Sat. Mar. 12, 2005 8 am 2Pm Betcha Bingo #1.**

Grassland Run --Sat. Mar 26-- contact Jim at [w5omg@arrl.net](mailto:w5omg@arrl.net) for more information.

IARC Inc. **will not** have the outside flea market at Ham Com this year. The Ham Com Committee decided to have club rotation to handle it in the future. DARC will have the outside flea market this year.

Meeting adjourn approx 9:15 Pm.

Respectfully Submitted  
IARC Inc. Secretary  
Doyle L. Taylor AD5KE

## **Deadline for articles for November Newsletter is March 28**

### **IARC Officers and Board Members**

President	Vice President	Treasurer	Secretary
Mark Corona	Charlie Brown	Coleta Taylor	Doyle Taylor
KD5TTT	KD5OPG	KD5QFH	AD5KE
<a href="mailto:kd5ttt@covad.net">kd5ttt@covad.net</a>	<a href="mailto:alof2@airmail.net">alof2@airmail.net</a>	<a href="mailto:coleta.mt@arrl.net">coleta.mt@arrl.net</a>	<a href="mailto:ad5ke@arrl.net">ad5ke@arrl.net</a>

#### Directors

Dennis Riise	Lee Vincent	Gordon Gremillion	Bill Caldwell
K5AVT	K5LMH	K5LTC	AC5BC
<a href="mailto:K5AVT@arrl.net">K5AVT@arrl.net</a>	<a href="mailto:k5lmh@arrl.net">k5lmh@arrl.net</a>	<a href="mailto:g.Gremillion@comcast.net">g.Gremillion@comcast.net</a>	
<a href="mailto:ac5bc@arrl.net">ac5bc@arrl.net</a>			