

W8LAP

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# LCARA Waveguide



January Published Monthly by The Lapeer County Amateur Radio Association 2004

### Upcoming Swap & Shops

**Jan 3**—Amateur Radio Group of Youth in Lowell Contact Al Eckman, WW8WW Phone: 616-897-4125

Email: AEckman@lowell.k12.mi.us

**Jan 17**-Amateur Radio and Youth Club in Flushing Contact Clayton Hewitt, KF8UI Phone: 810-233-7889

Email: kf8ui@arrl.net

**Jan 18**- Hazel Park ARC Contact: Jeff Albrecht, N8WR Phone: 248-642-3608 Email: n8wr@arrl.net

**Feb 7**—Niagra Peninsula ARC, St Catherines ON

**Feb 14**-Cherryland ARC Contact: Joe Novak, W8TVT Phone: 231-947-8555 Email: jnovak@traverse.net

**Mar 21**- Toledo Mobile Radio Association Contact: Brian Harrington, WD8MXR Phone: 419-385-5624 Email: wd8mxr@arrl.net

*This month's Meeting is  
Tuesday, January 13th—7:30 p.m.  
At the Lapeer County Central  
Dispatch Center (911) at 2332 W.  
Genesee Street in the basement*

### The Treas Sez

Bill Miller, KD8VP

At the last club meeting in December it was decided that we should spend the money necessary to bring the 2 meter repeater back up to 100 percent.

The general consensus was that we were in need of a new antenna, Jim KD8YX is now looking into buying a new commercial grade VHF antenna, and I have made contact with our friendly crane operator John Stephen to see if his crane and bucket will reach to the top of the tower. He has said that it will go to 97 feet and Jim and I feel that we can do the work from there as long as we don't have to climb the tower itself in this cold weather.

On a closing note I would like to remind some of you that our new year started in October and that your club dues are over due. Please take the time to fill out the form on the back page of the news letter and send it in with your check for \$12.00, or bring it to the January meeting.

Thank You and 73 Bill Miller KD8VP

### The Prez Sez

Josh Long, N8CFS

2004—it might take a few weeks before I convince myself that it's not 2003 anymore. 2004 should prove to be a busy and hopefully successful year for the Lapeer County Amateur Radio Association. Later in this column I will present some of the items on this year's club docket.

"Old Business!" There were several items mentioned during the December meeting which sparked some debate. Among these were the condition of the repeater system and the size of the club's bank account. I am grateful for the input of the officers and members on these various issues. However, I need to stress the importance of presenting these opinions in an orderly fashion. *Whether you are an officer or a regular member, please wait to be recognized by the chair before you voice your viewpoint.* In this way, we can make the best use of the time allotted for the meeting.

To paraphrase a line from the preamble of the Thumb

*The Prez Sez (Continued on page 3)*

### The VP Sez

Bill Hetchler, KC8SHI

As we approach the end of one year and the start of a new year there is occasion to look both backward and forward. As we look back we can see a good year indicated by the income from the Operation Care activities and the Swap. There is also the well attended meetings and the good input from club members. We can also see the fact that more people are involved in running the net on Mondays. We also have been able to update some equipment at the repeater site.

But to look forward there are things yet to accomplish. We

*The VP Sez (Continued on page 3)*

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**Lapeer County Amateur  
Radio Association**

P.O. Box 12  
Hadley, MI 48440-0012

**Officers**

President, Josh Long, N8CFS.....810-724-6790  
Vice-President, Bill Hetchler KC8SHI 810-667-1497  
Secretary, Therese Long, KC8PEZ..810-724-6790  
Treasurer, Bill Miller, KD8VP.....810-797-5329

**Committees & Appointees.**

Club Founder.....Hollis Hayes, W8ACD  
Club Call Trustee W8LAP.....Jim Boyer, KD8YX  
VE Coordinator.....Al Wilson, N8NPR  
Swap & Shop Chairperson.....Bill Miller, KD8VP  
Field Day Chairman.....Bill Miller, KD8VP  
Meeting Refreshments.....Bill Miller, KD8VP  
Two Meter Net Mgr.....Jim Boyer, KD8YX  
Newsletter Editor.....Hank Kohl, K8DD  
Club Historian.....Bill Hetchler, KC8SHI  
Public Information Officer...Bill Hetchler, KC8SHI

**ARES Repeater Nets**

Monday at 9:00 PM on 146.620-  
Thursday at 9:00 PM on 442.750+  
Mon—Sat at 9:30 PM on 147.300+

**Meetings**

LCARA meetings are held on the second  
Tuesday of each month in the  
Lapeer County Central Dispatch Center (911),  
2332 W. Genesee St, Lapeer MI  
at 7:30 p.m. local time

**Newsletter**

Items for the newsletter may be called to the  
Editor at 721-0708, sent by U.S. Mail (Box 88,  
Attica, MI 48412), or as an ASCII file, Word file  
or hand-written to k8dd@arrl.net

The deadline for submissions is the 20th of each  
month.

**Show your club colors**

The following items, all with the LCARA logo, are available  
to members. Your name and callsign could be included at  
no extra charge.

Tee shirts.....\$15.00  
Sweat shirts, hooded.....\$30.00  
Sweat shirts, long sleeve without hood.....\$18.00  
Golf shirts, grey, yellow or white.....\$19.00  
Nylon jacket, windbreaker.....\$35.00  
Heavier poplin jacket, flannel lined, quilted.....\$85.00

Sizes available to XXL at the prices listed above.

For each "X" above XL, add \$2.00.

Call Flo Haack, KC8CAB , or contact her at any club meeting  
to place your order.

**LCARA's Video Library**

The club has a number of video tapes available for  
use by members at no charge. If you would like to  
borrow one or more of the tapes, contact the  
president, at any club meeting.

Titles presently available:

- Getting Started in Ham Radio
- Getting Started in DXing
- Getting Started in Packet Radio
- Getting Started in Amateur Satellites
- Getting Started in Contesting

Tapes may be retained by the borrower for one  
month and must be returned at the following  
month's meeting.

**Board of Directors Meeting**

The Directors' monthly meetings are held on the  
first Tuesday of each month at the BK Lounge at  
7:30PM as needed (announced on the W8LAP  
repeaters). **All club members are urged to  
attend.**

**Contributors to this newsletter:**

KC8SHI N8CFS KD8YX Mary Stikeleather  
KC8HGM K8DD KD8VP K3ESE

**Your name and call should be here!**

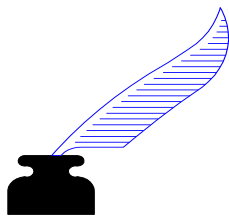


While in Imlay City, support your local Radio Shack store

**LCARA Site Sponcer:**  
Hillcraft Electronics  
1831 S. Cedar Street  
Imlay City, MI 48444  
Phone: 810-721-8030

## LCARA Monthly Meeting Minutes Lapeer County Central Dispatch Center (911).

The meeting was called to order at 7:35 PM by Josh N8CFS with the pledge of allegiance and introductions. Hospital/SK reports: the mother of Dave KD8DLW passed away this past month. Awards/Upgrades: Chuck WA8UCS's grandson upgraded to general class.



President's Report: given by Josh N8CFS. Josh read a Christmas card to LCARA from Mary Stikeleather and the Office of Emergency Mgmt. Next month there will be a presentation on traffic handling at the LCARA meeting.

VP's Report: by Bill KC8SHI. Bill is continuing to collect historical information on the club.

Secretary's Report: read by Therese KC8PEZ. Minutes amended to include Stan N8HN and Steve N8EN in the list of hams who contact Hank's station in Quebec. Minutes accepted as amended.

Treasurer's Report: by Bill KD8VP. Report was accepted as read.

EC/Trustee's Report: presented by Jim KD8YX. There have been some problems with the repeater, which needs maintenance. A discussion of maintenance for the repeater's antenna followed. Steve N8EN suggested using some of the money the club has in the bank to improve our antenna system. Bill KD8VP reported that the club plans to spend some of this money to hire a bucket to repair the antenna. Ed KC8EGR wondered why the club has not yet purchased a new repeater, since we have already repaired this one several times.

Jim KD8YX also mentioned that the repeater has been experiencing interference from an uncoordinated repeater near Grand Rapids and asked that anyone hearing this interference log the date, time and degree of interference.

Old Business: None

New Business: Josh N8CFS plans to write to our state senators and representatives regarding HR713 Bill S537. All members are encouraged to write expressing their opinions on legislature affecting amateur radio.

The meeting was adjourned at 8:13 PM for the Annual Christmas party.

*Submitted for Therese Long, KC8PEZ, secretary*

### The Trustee Sez

Jim Boyer, KD8YX

Sat Dec 20 the Yaesu repeater was pun on line and the GE Master II removed to check on Noise... is it Antenna or Receiver. Time will tell.. Has a Good coffee break at McD's today. About 14 hams in attendance..

Al N8NPR want to have a coffee break each 3 Sat of the month so I will add that to the repeater reminders.

Sat Dec 27 at this time antenna was ordered and expecting it some time after the first of the year..

I got a small board from VYEX which is the co. that built the audio board that goes with the S-COM 7k. They found a problem with the board that they shipped and sent this board to fix a problem they found.. it has to do with a voltage level sent from the 7k to the audio board that was fixed by this small board. This will be installed in a few days. Bill KD8VP is talking to the crane operator that helped us remove both towers... he has a bucket and might be able to reach the antenna for replacement... Stay tuned for further details ...

This space is where you could have submitted something. Tell us about:

- What DX did you work?
- What interesting QSO did you have recently?
- Did you try a different antenna? Did it work?
- Did another ham you know do something to qualify for "here's your sign"? (the stoopid sign—and we won't publish your call or name!)
- Rumors

Most any format is fine—Text file, Word file, hand written, typed or verbal over the phone. See page 2 for Newsletter contact information!

*(Continued from page 1) The Prez Sez*

and Mid-Michigan Traffic Net, "all questions and comments are welcome."

"New Business!" One item which previously highlighted the monthly meetings was a brief informative presentation on topics relevant to amateur radio. This practice will be re-introduced during this year. This month's presentation will be made by Therese, KC8PEZ on the National Traffic System and traffic handling. If anyone would like to make a presentation in the upcoming months, please let either myself or Bill KC8SHI know.

The 2004 LCARA ham fest flyers are now available. If you plan on attending any of the upcoming ham fests, take a stack of our flyers with you. Let's publicize our swap now so we can have a record attendance in August!

Other assorted items of interest... This year the "executive board" or officers will be meeting outside of the regular club meetings on a more regular basis. Members are welcome to attend these meetings. The time and place of these meetings will be made known in advance. I hope to conclude the Constitution Revision project by spring at the very latest, so that we can devote club meeting time to other areas. I also hope that this year we finalize our agreement with the county road commission for the Burnside Township tower site.

73 de N8CFS

*(Continued from page 1) The VP Sez*

need to get a site of our own for our repeater and antennae. This will relieve any question of whether the present site will remain available. We also need to build up our membership in the younger age bracket so that our future will be assured. It would be good to also have more involvement in the Operation Care projects by a greater number of club members. As we see the possibility of more activity by enemies of America we could probably have more readiness on the area of homeland security.

As we move into a new year I hope that we will also move ahead in our club activities and membership. The best way to accomplish this is for each member to be a recruiter and involved in some area of activity.

William F. Hetchler

From Lapeer County Office of Emergency Management  
 This Work Plan for the next 6 months. Things may be  
 tweaked as we go along, but hopefully the dates will not  
 change.

# WORK PLAN

for

## 2004 FULL SCALE EXERCISE

- January 2004 21<sup>st</sup> Exercise Planning Committee Meeting 9:00am @ EOC
- February 2004 18<sup>th</sup> Exercise Planning Committee Meeting 9:00am @ EOC  
 20-21<sup>st</sup> Incident Command Training 8 – 4:00pm @ Ed-Tech  
 20-21<sup>st</sup> Unified Command Training 8 – 4:00pm @ Ed-Tech  
 CBRNE Awareness Training (?)
- March 2004 17<sup>th</sup> Exercise Planning Committee Meeting 9:00am @ EOC  
 19<sup>th</sup> Damage Assessment Training 8-12:00pm @ Ed-Tech
- April 2004 21<sup>st</sup> Exercise Planning Committee Meeting 9:00am @ Ed-Tech  
 23<sup>rd</sup> Abbottville Training 8 – 4:00pm @ Ed-Tech  
 24<sup>th</sup> Abbottville Training 8 – 4:00pm @ Ed-Tech
- May 2004 13<sup>th</sup> Exercise Planning Committee Meeting 9:00am @ EOC  
**FUNCTIONAL EXERCISE @ ISD**– First Responders Attendance Optional  
 (Spreading of a Communicable Disease Scenario)
- June 2004 5<sup>th</sup> **FULL SCALE EXERCISE - CLIFFORD**  
 (Meth Lab Explosion – Mass Causalities Scenario)
- October 2004 Public Information Officer (PIO)  
 / Media Training Workshop

Mary Stikeleather, PEM  
 Lapeer County Office of Emergency Management  
 2332 W. Genesee Street, Lapeer MI 48446  
 (810) 667-0242 (810) 667-0415 fax

**Be RadioActive—  
 Participate!**

For



Sale

This is a great place to sell what you don't need, give away what you don't need or look for what you can't live with out. Ads will be run for 2 months.

=====

**Wanted: Articles, stories, pictures, facts, fables, witticisms or what-have -you for the Waveguide. If you have something that you think will be of interest to the LCARA membership, please get it to the Editor. See Page 3 for contact information.**

**Cushcraft X7** Big Thunder tri-band beam with X-740 - 40 meter add on, used but in like new shape \$500 obo.  
**Two Cushcraft 13B2-13** element two meter beams on 15 foot boom with PD-2 Power Divider kit (stacker) like new shape \$250 obo.

**Cushcraft A430-11S**--11 element uhf beam X 4 foot boom, 440 MHz like new \$50 obo.

**Hustler TH-6-DXX** tri-band beam needs tender loving care, but is salvageable, \$30 obo.

**Tower**--Four sections X 10 foot, unknown brand, tower with rotor plate and bushing plate very good condition \$50 obo.

**Tower**—Seven sections X 8 foot Height's aluminum amateur radio tower, has rotor and bushing plate, bottom section 16 inches, stepping down to the last nine inch section. Would make an excellent free standing VHF-UHF tower \$200 obo

Contact Bill Miller KD8VP at kd8vp@juno.com or call 810-797-5329

Take a moment and get your Amateur Radio Operators License out of your wallet. (You do always carry a copy of your license with you, don't you?).

Check the expiration date. Make sure you are registered with the FCC ULS site and have your FRN so you can renew when the time comes—It is FREE on the web—It is FAST on the web—It is EASY on the web. (Even if you have to go down to the library to get on the web.)

Just don't let your license run out!

**If you have an e-mail address and would like the Waveguide via e-mail, let Bill KD8VP (kd8vp@juno.com) and Hank K8DD (k8dd@arrl.net) know and it will happen. This can help save postage and printing for the club....And the pictures will look better!**

### Having trouble opening the Waveguide on-line?

Here is some advice to try if you are having trouble reading the Waveguide via email...For those who have IE and have trouble opening the Newsletter, check to see if you have the identified box "unchecked".

- Open Outlook Express
- Click Tools, Options
- Click Security Tab
- Remove check mark from box

Do not allow attachments to be saved or opened that could be potentially a virus

- Click Apply, OK

If anyone is concerned about doing this, they can apply this ONLY for getting the Waveguide, then return to the original setting.

Also go to [www.adobe.com](http://www.adobe.com) and download the latest Adobe Reader, which is available at no cost! The Waveguide is made with Adobe 5.0.

The Waveguide is also available on the web at

<http://www.qsl.net/k8dd/waveguide/2004Waveguide>

### FEMA Opposes BPL, Files Comments

On December 4, Barry West, the Chief Information Officer of the Federal Emergency Management Agency filed comments opposing deployment of Broadband over Powerline (BPL).

West stated that the introduction of BPL on utility powerlines will result in serious detriments to their ability to use the HF spectrum as a key and necessary part of their disaster operations.

He went on to say that the introduction of BPL signals will raise the HF noise floor to unacceptable levels. And, that power levels would have to be increased by 30dB to maintain satisfactory communication to and from areas employing BPL.

*From QRZ.com*

*Did you file your comments with the FCC? Or are you prepared to buy a new technology noise blanker if BPL passes?*

# January 2004

If your e-mail address changes please let KD8VP and K8DD know so you get club email!

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 ARES Net 442.750 9 PM	2	3
4	5 ARES Net 146.62 9 PM	6	7	8 ARES Net 442.750 9 PM	9	10
11	12 ARES Net 146.62 9 PM	13 LCARA Meeting 7:30 PM	14	15 ARES Net 442.750 9 PM	16	17
18	19 ARES Net 146.62 9 PM	20	21	22 ARES Net 442.750 9 PM	23	24
25	26 ARES Net 146.62 9 PM	27	28	ARES Net 442.750 9 PM	30	31 LCARA Vol. Exam



HillCraft Electronics 888-520-2002  
Just North of I-69 on Van Dyke (M-53)  
In the Farmer Jack Plaza

### SPECIAL Through Jan 31, 2004

- On any small parts (the 270 series Radio Shack Part numbers **20% discount!** with your LCARA membership card ~or~ proof of Amateur Radio License.

**Need a new HT (or a spare HT)?**

**Special:**

HTX-400 70cm 200mW (int. batt.) 1W (ext. batt.) HT  
\$129.00 (Limited Quantities)

We also Recycle rechargeable batteries here at the store - any kind up to two pounds of sealed cell. Let's keep the ground water safe for future generations.

**We now can order Diamond Antennas and accessories.**

**Check with us for your wireless networking needs and High Speed internet!**

Whose sigs these are, I think I know  
they're mostly in the static, though  
Between the Spanish SSB  
And lightning landing near my tree.



He gives a plaintive "QRL?"  
For on this freq he'd like to dwell  
The only other sound's the hum  
Of RFI from the TV.

The band is lovely, long and clear  
But the end of WAP is drawing near  
And I have many skeds to keep  
And I have many skeds to keep

K3 dit dididit dit

On the Amateur Radio Bands, what is your favorite mode? CW (and why not)? SSB? FM? PSK31? SSTV (better known as "national tune-up frequencies")? RTTY (see SSTV)? Fast Scan TV? Are there any opinions in the club? Write them up .... Tell us why SSTV or RTTY shouldn't be "national tune-up frequencies" .... Is there a reason?

Cut this out and bring it to the next meeting for a free cup of coffee!

## ARRL, Citizen Corps and You

In July 2003 ARRL signed a Statement of Affiliation with the Citizen Corps, making ARRL an affiliate organization working with Citizen Corps and other organizations to promote the goals of Citizen Corps. As an affiliate organization, ARRL, along with American Red Cross, NOAA, Points of Light Foundation, Veterans of Foreign Wars and others, was invited to a two-day meeting in Maryland on December 2 and 3. The purpose of the meeting was to identify strategies and goals for organizations working with Citizen Corps.

In the course of the meeting, Citizen Corps staff shared the information that \$35 million was awarded to state Citizen Corps groups. Each state will receive a share of the money based on a population-based formula. The funding was awarded in order to execute states' strategic plans for disaster prevention and preparedness and recovery - this plan had to be submitted to Citizen Corps by December 31, 2003. Funds will begin flowing to states in March 2004.

What does this mean for ARRL? Since there is no funding available on the national level, ARRL Hq is not eligible for funds. However, for ARES groups and Amateur Radio clubs, there is potential funding for projects that relate to a state's strategic plan. The message from Citizen Corps was that participation and funding must be at the local and state level. Each state has a Point of Contact (POC) for Citizen Corps and a State Administrative Agency (SAA) that will manage the funds. The Citizen Corps funding mandate requires that the SAA work through the POC for programs and initiatives to be funded locally. The POC and SAA may be the same in some states.

ARRL affiliated clubs that are interested in this funding might best band together, and should take the initiative to contact their state POC and SAA about programs that need funding (a pilot project, specialized training, equipment or a system). If there is more than one Section in the state, it would be best to work together on a funding request and present a unified plan that may be better received by the POC and SAA. Please share this information with those you feel would be interested. Also, SMs and/or SECs should contact the state POCs, if this has not already been done, to ensure that Amateur Radio is included in the state's strategic plan.

So, it's up to you. If you need funding for a local project, event or initiative, collaborate on your grant request by contacting other Amateur Radio groups in your area or state to coordinate and integrate your plans. Then contact the state Citizen Corps POC. A list of the state POCs can be found at this web address:

<http://www.citizencorps.gov/citizenCorps/statepoc.do>

Additional information about Citizen Corps is at [www.citizencorps.gov](http://www.citizencorps.gov).

*From: Sandy Mondro "The following was received from ARRL headquarters for each affiliated club*

**==>FCC ANNOUNCES UNIVERSAL LICENSING SYSTEM MAKEOVER** *ARRL Letter Vol. 22, No. 49, Dec. 12, 2003*

At week's end, the FCC was preparing to put a new face on the Universal Licensing System (ULS) <<http://wireless.fcc.gov/uls>>, which includes the Amateur Service. The Commission was set to unveil the new on-line ULS filing interface December 14.

To implement the changes, the ULS on-line filing system will be down from 12 AM EST Saturday, December 13, until 10 AM EST Sunday, December 14.

Among other features, the ULS makeover will include easier-to-read on-screen forms that guide users through filing and simplify such routine tasks as applying for license renewal, address change or vanity call sign. The FCC says the introduction of its new system, called "ULS License Manager," concludes phase one of an ongoing ULS overhaul by the Wireless Telecommunications Bureau.

ULS License Manager will be compatible with most, if not all, major Web browsers and computer platforms and no longer will require downloading Java and Java Script files. Screens also will be compliant with Web screen-to-voice reader software. An FCC staffer involved with implementing ULS License Manager notes that all features may not be in place when the system debuts.

The ULS will require all filers to log into the system using an FCC Registration Number (FRN) and Commission Registration System (CORES) password. The FCC said it would no longer accept a Taxpayer Identification Number (TIN)--a Social Security Number for most individuals--for log-in purposes.

Once the new system is up and running, all licenses and applications in the ULS database will be converted to the new ULS License Manager filing environment.

There's also a new paper version of FCC Form 605, dated December 2003. One change is that Form 605 no longer requests a

date of birth and will only accept an FRN and CORES password. There are no Amateur Service-related changes to any Form 605 schedules. The FCC says Amateur Service applicants may continue to use the March 2001 (or later) edition of Form 605, although it encourages use of the newest version. The new FCC Form 605 now is available via the FCC Web site <<http://www.fcc.gov/Forms/Form605/605.html>>.

To assist with any ULS issues after the changeover, the Technical Support Hotline staff will be available Sunday, December 14, from 10 AM until 6 PM EST. Normal hours are weekdays (except holidays) from 8 AM until 6 PM Eastern Time. Technical Support is available via the FCC Web site <<http://esupport.fcc.gov/>> or telephone 877-480-3201 (TTY 202-414-1255).

ULS licensing support and forms information is available weekdays (except holidays) from 8 AM until 5:30 PM Eastern Time via e-mail <[ulshelp@fcc.gov](mailto:ulshelp@fcc.gov)>; or telephone 888-CALLFCC (225-5322), Option 2 (users also may call 717-338-2888).

**==>ON-LINE LICENSING COURSE PLAN** *ARRL Letter Vol. 22, No. 49, Nov. 28, 2003*

An on-line Amateur Radio licensing course--possibly bundled with ARRL membership--plus additional Certification and Continuing Education courses <<http://www.arrl.org/cce/>> are among the strategic objectives of the League's 2004 Operational Plan. The League also plans to evaluate its existing ARRL on-line class offerings. The item was among several the ARRL Executive Committee (EC) designated to include in next year's plan when it met November 9 in Irving, Texas. Work on the licensing course already is under way, and the ARRL expects to announce its availability in the near future.

## The World Scramble

N J A Q S O A L I E C H T E N S T E I N S  
H T R W B K G C N X W U G A N D A B S Z W  
N O Y W J U A N T A A P S E V I D L A M A  
I Z G J M W L Q A R J N A A S M T A R I Z  
T E L S B A E C U T O I Y L A G T I A S I  
A M Y B Q I G N Z S S M A Y E C V N W A L  
J O F S X T A K Q Z H I E B X S S W P K A  
I Z Z N A J S E T Y V X N L R O T D R A N  
K A A C I T C R A T N A S E I E Q I R O D  
I M I T U O B I J D R U P O M N Z H N I N  
S B O Q X A G F I K N T V L D K X A L E I  
T I H R A M N A Y M J C E V T A R P M E G  
A Q M A U R I T A N I A X G K V B U J V E  
N U P T W N A T S Z Y G R Y K Z Q R T X R  
P E S U Z B E K I S T A N E W L C Q A W I  
N A T S H K A Z A K C L V Y R P S N B B A  
O H W T Q R A C S A G A D A M I Y R J K G  
R O Y X E M T A N Z A N I A T D T E B O U  
T Z H D A R G N I N I L A K T Y C R F C V  
U C E H D O D E C A N E S E R P N J E T E  
D I W A L A M X L M A U R I T I U S D A J

Agalega	Maldives
Antarctica	Mauritania
Azerbaijan	Mauritius
Barbados	Mozambique
Djibouti	Myanmar
Dodecanese	Nigeria
Eritrea	Palestine
Kaliningrad	Swaziland
Kazakhstan	Tajikistan
Kuwait	Tanzania
Kyrgyzstan	Tromelin
Liechtenstein	Turkmenistan
Madagascar	Uganda
Malawi	Uzbekistan

Put the prefix on these DXCC countries for a bonus!

**2004-2005 L.C.A.R.A. MEMBERSHIP APPLICATION**

PLEASE PRINT:

CALL SIGN: \_\_\_\_\_ NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY ,STATE, AND ZIP: \_\_\_\_\_

PHONE : \_\_\_\_\_ LICENSE CLASS: \_\_\_\_\_

SKYWARN NO.: \_\_\_\_\_ RACES NO: \_\_\_\_\_

ARES MEMBER YES\_\_\_ NO\_\_\_ E-MAIL ADD.: \_\_\_\_\_

ARE YOU AN A.R.R.L. MEMBER: YES\_\_\_ NO\_\_\_

L.CA.R.A. MEMBERSHIP IS \$12.00 PER YEAR, RENEWABLE EACH YEAR ON OCTOBER. 1ST. FAMILY MEMBERSHIP \$20.00. ASSOCIATE MEMBERSHIP \$4.00. IF YOU WISH AN AUTODIAL NUMBER FOR THE REPEATER THERE IS AN ADDITIONAL \$3.00 CHARGE.

**Lapeer County Amateur**

**Radio Association**

P.O. Box 12

Hadley, MI 48440-0012