

# THE LED

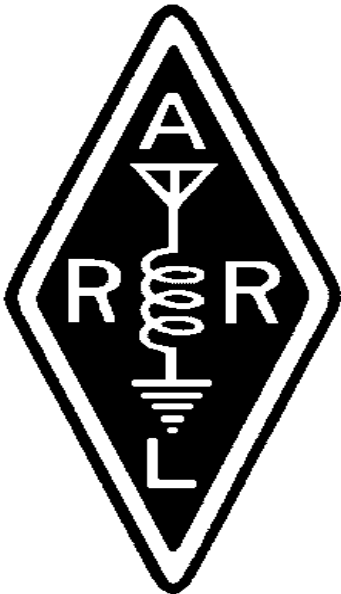
Published by the  
Livingston Amateur  
Radio Klub  
Howell Michigan

## August 2002

<http://members.ismi.net/lark>

Livingston Amateur Radio Klub  
PO Box 283  
Howell, Michigan 48844

Dated  
Material



**NEXT KLUB MEETING**  
August 8th, 7:30 P.M.  
**EMERGENCY OPERATIONS CENTER**  
300 SOUTH HIGHLANDER WAY

**NET**  
146.680 SUNDAY 9:00 P.M.

## BOARD MEMBERS

President	Steve	N8GQ
Vice-President	Bill	K8BI
Secretary	Mary	KC8SER
Treasury	Dave	KE8Z
Program Director	John	K8OCL
Tech Coordinator	Kenny	N4KCD
Board Member	Jerry	N8DY

## COMMITTEE CHAIRPERSON'S

146.680 Repeater	Jack	KA8BOG
LED Editor	Roger	N8SGU

## THE PREZ'S NOTES

### Preparing for the Future

Ever since the September 11<sup>th</sup> tragedy the amateur radio community has been a buzz with how well ARES/RACES performed. With the inevitable certainty of additional attacks and/or natural disasters, the need for additional training is paramount. There is no doubt in my mind that each one of us could and would respond to a call for assistance. There is no doubt that we could do our jobs and communicate. The question is how much additional training would we need once we got there to learn the lingo or format of the traffic that we needed to handle.

Here is a better question that we all need to ponder. We can all talk and communicate at home with the equipment that we own. How quickly could we adapt if forced to use someone else's radio? Better, yet, as some of us witnessed Monday during the rainstorm are you prepared to operate remotely from your base? If you are forced to unplug your radio from your antenna, can you still operate? The question here is how well can we improvise in order to do our job?

The 146.680 repeater performed admirably Monday. The repeater site withstood multiple power surges and outages and yet continued to function. Keep in mind that the antenna is located 300 feet in the air. If we should loose the use of that station how will that affect your ability to communicate across the county. These questions are meant to provoke a thoughtful evaluation of your equipment and ability to improvise. There are no correct answers and certainly no wrong answer per se.

Experience is often a cruel but effective teacher. Some would also say that necessity is the mother of all inventions. I would say that it is easier to learn from someone else's misfortune than to learn it first hand. This is why I would strongly recommend starting doing ones homework before we are forced to. Training is being offered to obtain either your ARES/RACES certification. Regardless of how or where you start...please start. When you do start your classes take a friend with you. We are going to need more people should the need arise.

We cannot do this alone. The attacks on 9-11 have raised the bar of preparedness. The age of our equipment and our single point

of failure will force us to be able to act outside of the box. Plan and train for the worst, and pray that we never have to use it.

## Audit Committee

The audit committee has finished their task. The results will be discussed at the August meeting along with the necessary recommendations and procedures for the future. If you wish to add your input I look forward to seeing you there.

Steve N8GQ

## EDITORS COMMENTS

Last month we sent the newsletter by e-mail to all the members that have given e-mail addresses. We also mailed a hard copy to every one until we can find out who wants the e-mail version and who doesn't. If you receive the e-mail version you can always print out the newsletter if you have a reason for a hard copy. Each issue of the newsletter that is mailed costs 7 cents a sheet plus a 37 cent stamp. We also found out that people were deleted from the roster. If you know of any one who is a member and isn't on the roster please notify Steve and he will put you on the roster.

Roger N8SGU

## TREASURES REPORT Treasurer report for the period June 1, 2002-June 30, 2002.

Opening Cash	\$3,813.45	
Total Income		\$20.00
Total Expenditures		\$150.59
Net Cash Flow	-\$130.59	
Ending Balance	\$3,682.86	

### INCOME

50/50 Drawing

ARRL:

New Membership

Dues \$20.00

Interest:

CD (\$500.00)

CD (\$1,000.00)

Checking Act.

Operation Care

Sales of Books

### EXPENDITURES

Donations:

Gifts

Insurance:

Maintenance

Printing: \$30.53

Post Master: \$20.06

Telephone \$100.00  
Training:

Note: Telephone covers the months of Jun, July, Aug and Sep at the rate of \$25.00 per month.

Note: The starting balance was determined by adding the checking account balance to the two CD's.

Checking account balance	= \$2,058.91
\$1,000.00 CD Balance	= \$1,173.20
\$ 500.00 CD Balance	= \$581.34
Total Starting Balance	= \$3,813.45

Respectfully Submitted

**David KE8Z**

## SECRETARY'S REPORT

LARK BOARD MEETING  
JULY 01, 2002  
MINUTES

The meeting was opened at 7 P.M. In attendance were Board Members Steve N8GQ, Bill K8BI, Mary KC8SER, Dave KE8Z, Ken N4KCD and Jerry N8DY. There were five guest's present Clairus KC8QQN, Chuck W8CLK, Ray N8CPO, Mac N8RBA and Charlie KB8OVJ.

Guest Comments:

There was a very lengthy discussion on the problems that developed during Memorial Day's Operation Care. It was decided to have all plans and scheduling in place by August 15th or LARK will NOT sponsor an Operation Care for Labor Day. Ray is going to prepare a Thank You letter to be published in the Livingston County Press thanking the donors for supporting Operation Care. Also, he will prepare a letter to the individual donors thanking them. He will provide the secretary a copy of this letter who will send it to the donors.

Secretary Report:

No Secretary Report

Treasurer Report:

No Treasurer Report this month. Audit will be completed in the near future.

Field Day:

CW and the two sideband stations beat last year's scores. PSK31 did not do good. A GREAT time was had by all.

Repeater:

The question of changing the access code for placing a message on the DVR was address. Since the code has been removed from the Lark's WEB page, Bill, K8BI thinks we should hold off on

changing the access code for now. The question of who are the "control operators" for the 146.68 repeater came up. Jack, KA8BOG, is the Trustee of the repeater but no one was sure who all were appointed as "Control Operators". This is being looked into. Steve, N8GQ, will get with Jack, KA8BOG, and Paul, N8VF, to e-mail Kenny, N4KCD to set up repair work on the 68 repeater.

MS-150

No Report

New Business:

Operation Care (Labor Day) See Guest Comments. Also, it was suggested to look into purchasing the side and end panels for canopy. The cost is \$45.00 for each. It was tabled until the next Board meeting.

Fox Hunt:

The foxhunt is set for July 20th starting from the EOC at 2 PM. The Picnic will be held at the Howell Park starting at 5:30 P.M. at the North Pavilion. Irene, KA8MVW, will buy the meat and buns.

Field Day 2003

We need a Chairperson.

Miscellaneous Topics:

Ray, N8CPO will get the key for the Post Office box from Marge and give it to Steve, N8GQ. Ray, N8CPO, said that the Arenas (WB8OHO, SK) family that they would like the Klub to take the towers down informed Larry, WB8WOD. There is a concern of liability and safety of Klub members, and it was suggested that 3 or 4 Board Members go out to check it out in order to make a decision.

Discussion on renting the Klub canopy. It was decided that a donation of \$50.00 would be required to cover the cost of the cover.

Bill, K8BI made motion to adjourn. Jerry, N8DY, seconded. The meeting was adjourned at 8:45 P.M.

Respectively Submitted

**Mary, KC8SER**

## VEC REPORT

### VE TEAM NEWS

Hello everyone! We have had 2 chances for people to upgrade or get licensed this month. The 1st was at field day where we had about 7 people set to test. Out of that Earnest managed to get his extra class ticket back. Congratulations! Earnest had his extra class and let it expire, and had to start over again. He did his tech and general last year and the extra this year, and just 2 days before the question pool change. As of July 1st there was a new extra class question pool. I understand it is suppose to be much harder

but in our regular session there was a "lady" come from St.Clair shores who didn't start studying until July 1st and passed the test on the 9th so I'm not sure how much harder it really is. Our second session was the regular every other month session. We had 3 people attending and 3 people passing congrats to all. Among the people who passed was Paul West who should be getting his call sign tomorrow He lives in Linden but is dating Rick (KC8HEZ) daughter. He should be on the air saying Hi too everyone before you even read this. I had a little excitement before the test. I had been on vacation till the day before the test and had forgotten that we even had one. Then could not find the new tests and couldn't find a printable copy of a test anywhere. Between Steve (N8GQ) and Tim (WB8HRO) both looking all over the internet to get one. At the last minute Tim came thru with a copy! Thanks Tim and I will not let that happen again. Thru searching I ran across the documents that w5yi sent to me when they sent me the testing materials, and it has been three years that we have been doing this already! Wow time flies when you're having fun! Well 73 to all and as always thanks for the help.

DE AA5GO Greg McDiarmid

## Long Range LARK Meeting Program Plan

August 8, 2002 - The PSK-31 topic originally scheduled for the August meeting has been deferred to the November meeting program so that the presentation can be expanded to include other information requested by the members on HF digital data modes such as RTTY and MFSK.

In its place Bill Mondeau, K8BI, LARK Vice President, will describe how to register for the interactive online FEMA training program, and the valuable emergency knowledge we all need from this course.

The balance of the evening program will be dedicated to a live demonstration of the new Satellite Digital Radio Broadcasting System. You may have heard of it by now. It's called "**XM Radio**". This new broadcasting services provides low-cost, CD-quality, 24-hour a day downlinks of over 150 music, news, comedy, and weather channels (most are commercial-free and some are adult-rated) directly from the satellite to vehicles and homes across North America.

September 12, 2002 - Wire antenna design and practice (specific examples provided).

October 10, 2002 - Operating the new HF band at 5 MHz and the new LF band at 168 kHz.

November 12, 2002 - Assembling Your HF Digital Station (RTTY, PSK-31, MFSK)

We hope to see you at the meeting for a good time and warm fellowship. Bring along your friends and all the pocket cash you can spare for the 50-50 drawing and door prizes.

Respectfully Submitted John-K8OCL Lark  
Program Director

## FUTURE CONTESTS

August 3 - 4 ARRL UHF Contest Rules [PDF]

17 - 18 ARRL 10 GHz and Up Contest Rules [PDF]

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September 14 - 16 ARRL September VHF QSO Party

21 - 22 ARRL 10 GHz and Up Contest Rules [PDF]

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October 26 - 27 ARRL International EME Competition

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November 2 - 4 ARRL November Sweepstakes (CW)

16 - 18 ARRL November Sweepstakes (Phone)

23 - 24 ARRL International EME Competition

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December 6 - 8 ARRL 160 Meter Contest

14 - 15 ARRL 10 Meter Co

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## Amateur Radio Public Service Corps.

I would like to congratulate Bill Mondeau, K8BI, on completion of the FEMA IS-2 course and obtaining his RACES card.

A job well done for those amateurs that participated in Field Day and the MS150 Bike Tour. Both events give amateurs a chance to practice their radio skills as well as tower-antenna deployment.

For those new amateurs that wish to be a part ARES/RACES or those amateurs who have not had basic ISC, I will be holding a BASIC Incident Command System seminar and Livingston County Emergency Management overview, on Wednesday August 21, 2002 at 7pm. Bring your HT's if you have one and we will do a very elementary over the air exercise drill to get everyone familiar with emergency communications. For those that have had my basic ICS seminar there is a FEMA IS-195 on-line course, which is, just one of the items needed to fulfill the new advanced MI-ARES card requirements.

If you are reading this before August 6, 2002 remember the "**Proposal for Funding for the Enhanced 911 Emergency Telephone and Central Dispatch**" will be on the, August 6, 2002, ballot. Please, get out and vote!

**Bruce Pollock, N8WWX**

## News From ARRL

The ARRL will receive a \$181,900 homeland security grant from the US government to train Amateur Radio operators in emergency communication. The League was among several dozen nonprofit organizations designated to receive some \$10.3 million in federal money to boost homeland defense volunteer programs. The grant, from the Corporation for National and Community Service special volunteer program, will provide free ARRL Amateur Radio Emergency Communications Course training to 5200 volunteers nationwide, starting in 2003.

## The Amateur's Code

The Radio Amateur is

**CONSIDERATE**...never knowingly operates in such a way as to lessen the pleasure of others.

**LOYAL**...offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

**PROGRESSIVE**...with knowledge abreast of science, a well-built and efficient station and operation above reproach.

**FRIENDLY**...slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

**BALANCED**...radio is an avocation, never interfering with duties owed to family, job, school or community.

**PATRIOTIC**...station and skill always ready for service to country and community.

--The original Amateur's Code was written by Paul M. Segal, W9EEA, in 1928.

**I know not with what weapons World War III will be fought, but World War IV will be fought with sticks and stones.**  
**Albert Einstein**

**To: Michigan Section Staff  
July 23, 2002  
Emergency Coordinators  
Net Managers**

During last weekends ARRL Board of Directors Meeting, George Race, WB8BGY tendered his resignation as Great Lakes Division Director. Gary Johnston, KI4LA, of Edgewood Kentucky was elected by, Board Action, to fill the vacancy.

League President Jim Haynie, W5JBP appointed me to serve as Great Lakes Division Vice Director. Gary and I will be candidates in this Fall's election to serve for the 2003-2005 Term.

I would like to ask all of you to join me in thanking George for his twelve years of Service to the ARRL Board as well as his many years of service to the Michigan Section.

The last vote cast by George was in support of keeping the Michigan Section News and Contest Scores in QST. Unfortunately that issue was defeated by a 9 to 6 vote. George's vote was in support of the feelings of the three Section Managers in the Division as well as a majority of ARRL Members. George states that this Board Action was partially responsible for his

decision to resign. More details can be found on the ARRL Website.

I am also please to announce that Debbie Kirkbride, KA8YKK of Bay City, will serve as Michigan Section Manager for the balance of my term, through 2003. Debbie has served the Section as a District Emergency Coordinator in Mid-Michigan as well as Section Emergency Coordinator and State RACES Officer for the Michigan State Police, Emergency Management Division. Her most recent appointment has been as an Assistant Section Manager for Amateur Radio Public Service Corps (ARPSC) with responsibility for the Section Emergency Services. Debbie can be reached via email at [ka8ykk@arrrl.org](mailto:ka8ykk@arrrl.org)

I am confident that you will give Debbie the same cooperation that you have given me over the years and I ask you to welcome her to this new position of responsibility as a member of the Michigan Section Leadership Team.

I am pleased to have been given the opportunity to serve as Michigan Section Manager for the last five years and I thank all of you for your cooperation and friendship. It has been a very rewarding experience for me personally and I have learned a lot from all of you. I appreciate your participation in our Section Programs and ask that you continue to serve your Section with pride in what you do. You have made my job a joy and have helped to build a solid team in Michigan that allows us to serve the public as well as local and state government.

I look forward to serving you and the Amateurs in the States of Ohio and Kentucky as Great Lakes Division Vice Director and I want you to know that you may feel free to contact me, at any time, if I can be of service to you. I appreciate the confidence that Director Gary Johnson and President Jim Haynie have shown in my ability to serve you and I shall always do whatever I can, in the best interest of all of Amateur Radio.

Dick Mondro, W8FQT  
[w8fqt@arrrl.org](mailto:w8fqt@arrrl.org)

## UPDATES TO ROSTER

**Please welcome: New Member**

**KC8UKF  
PAUL B WEST  
106 SOUTH BRIDGE ST, PO BOX 315  
LINDEN MI 48451  
Technician  
email:pbwest0216@msn.com**

## CHANGE:

**Ernst Kiefer  
N8EK  
Extra Class Operator**

## Special Events

N9C/mm 40th Anniversary of Naval Sea Cadet Corps Special Event 07/21/02 - 07/27/02 DESCRIPTION:

Celebrating the 40th Anniversary of the United States Naval Sea Cadet Corps ([www.seacadets.org](http://www.seacadets.org)) N9C/mm will operate as part of this annual training cruise for cadets age 13-18 from Chicago to Traverse City, Mi where we'll rendezvous with two other USNSCC Training Ships for the first time. The Station N9C will be aboard the former USN YP-671. Look for us on 10-40 meters PSK, SSB, CW and RTTY QSL via K9COE with SASE for very nice commemorative QSL card with ship photo.

Contact: K9COE

Email: [uco@juno.com](mailto:uco@juno.com)

Shengshan I. DXpedition DXpedition Shengshan I.

China 07/22/02 - 07/28/02 DESCRIPTION:

A DXpedition to Shengshan I., AS137, one of the most eastern islands of China. Shengshan is located at PM10JR and is about 250km to the mainland. Thress stations will be setup to work on main IOTA frequencies with 500W and yagis.

Contact: BD5HAG

URL: <http://www.bi5h.org>

Email: [bd5hag@hellocq.net](mailto:bd5hag@hellocq.net)

Cotijuba Is. SA-060 in IOTA Contest DXpedition Brazil 07/25/02 - 07/29/02 DESCRIPTION:

The Uirapuru DX Club is preparing first DXpedition to Contijuba Is. (SA-060) included in Most Wanted List of IOTA. Band activity: 80-10m CW (during IOTA Contest) SSB (outside contest). Callsign PY8AZT/P. QSL Manager PT2PS (Direct) or PY8AZT (direct or Bureau).

Contact: Luciano Moreira (PY8AZT)

URL: <http://www.uirapuru.org>

Email: [py8azt@uirapuru.org](mailto:py8azt@uirapuru.org)

Fredericksburg, VA Fair and RVARC 50 year Anni. Special Event P.O. Box 1496

Fredericksburg, VA 07/26/02 - 08/04/02 DESCRIPTION:

The Rappahannock Valley ARC, RVARC, will host an exhibit at the Fredericksburg Agricultural Fair, the oldest one in the country. The exhibit will include a display of Amateur Radio and a Special Event station, K4TS. A certificate is available.

Contact: Craig Buck K4IA

URL: <http://www.qsl.net/w4mhq/rvarc>

Email: [k4ia@arrl.net](mailto:k4ia@arrl.net)

8Q7ZZ-DXpedition 2002 DXpedition Maldives 07/30/02 - 08/10/02 DESCRIPTION:

8Q7ZZ is a DXpedition by four young DXers. They plan to operate about 10 days with two stations from 80 - 6m, in all modes (CW, SSB, Digi, 10m FM).

They have set up a homepage at [www.8q7zz.com](http://www.8q7zz.com) !

Contact: DJ1YFK

URL: <http://www.8q7zz.com/>

Email: [fk@diolog.de](mailto:fk@diolog.de)

NA8KD In The Keys IOTA NA-052 DXpedition 07/30/02 - 08/02/02 DESCRIPTION:

"NA8KD in the Keys"

The Rusty Zipper HF & DX Contest Club will be active during July 30, 2002 thru August 1, 2002 from Key Largo FL to Key West FL. We will be active from IOTA NA-052. We will be working normal IOTA frequencies. Most contacts will be SSB. Please qsl via KG8DP. We should have an on line log shortly after our return. Our web site is [www.qsl.net/na8kd](http://www.qsl.net/na8kd)

Contact: Mark

URL: <http://www.qsl.net/na8kd>

Email: [na8kd@qsl.net](mailto:na8kd@qsl.net)

NA QSO Party CW Contests 08/03/02 - 08/04/02 DESCRIPTION:

CW: First full weekend in August (1800Z August 3 to 0600Z August 4, 2002)

Contact: Bob Selbrede, K6ZZ

URL:

<http://www.ncjweb.com/index.php3?leftcol=contestmenu&rightcol=naqprules1>

Email: [cwnaqp@ncjweb.com](mailto:cwnaqp@ncjweb.com)

Currituck Beach Lighthouse, NC Special Event North Carolina 08/17/02 - 08/18/02 DESCRIPTION:

Members of the Castalia Island DX Association and the Tar River Amateur Radio Club of Rocky Mount, North Carolina plan to operate during the International Lighthouse/Lightship Weekend on August 17 and 18, 2002 near the Currituck Beach Lighthouse at Corolla on the Outer Banks of North Carolina. The callsign will be K4UP. QSLs go to K4UP via the

Castalia Island DX Assn.

P. O. Box 3

Castalia, NC 27816

Contact: Bert Carter

URL: <http://www.qsl.net/cidxa/currituck.html>

Email: [wa4tli@arrl.net](mailto:wa4tli@arrl.net)

NA QSO Party SSB Contests 08/17/02 - 08/18/02 DESCRIPTION:

SSB: Third full weekend in August (1800Z August 17 to 0600Z August 18, 2002)

Contact: Bruce Horn, WA7BNM

URL:

<http://www.ncjweb.com/index.php3?leftcol=contestmenu&rightcol=naqprules1>

Email: [ssbnaqp@ncjweb.com](mailto:ssbnaqp@ncjweb.com)

Split Rock Lighthouse Special Event 08/17/02 DESCRIPTION:

Split Rock Lighthouse (USA 783) will be on the air as KØARF for the International Lighthouse/Lightship Weekend August 17, 2002. We'll have three stations, two HF and one VHF/Satellite, modes will vary (ssb, cw, digital). Hours of operation are limited to 1400z to 2400z August 17. We'll be on frequencies suggested by the Amateur Radio lighthouse Society, check their web site (<http://www.waterw.com/~weidner/arlhs/index.html>).

Split Rock is 40 miles NW of Duluth, MN - grid square EN47. For certificate send SASE to KØARF, 3001 - 8 St. N., Saint Cloud, MN 56303.

e-mail questions to [ka0daq@aol.com](mailto:ka0daq@aol.com)

Contact: Scott Hall

URL: <http://www.spacestar.net/users/wb0tra/cmnc/>

Email: ka0daq@aol.com

Fire Island Lighthouse Special Event PO Box 1356  
West Babylon, NY 08/17/02 - 08/18/02 DESCRIPTION:  
Sponsored by the Great South Bay ARC. W2GSB/Lighthouse will  
operate from Fire Island Lighthouse, Fire Island National  
Seashore, USCG ref #670, ARLS #256 (IOTA NA-026, USIA  
NY-013-S), Aug 17 and 18, 2002 1400-2200Z.SSB near IOTA  
frequencies, CW as announced.

Color QSL card available with SASE.

W2GSB/Lighthouse

PO Box 1356

West Babylon, NY 11704

See GSBARC website for additional information.

Contact: Great South Bay ARC

URL: <http://www.gsbarc.org/FI2002.htm>

Email: info@gsbarc.org

MAC - Grosse Point Lighthouse (USA-359) Special Event  
Evanston, IL 08/18/02 DESCRIPTION:  
August 18, 2002 - Grosse Point Lighthouse (USA-359) K9Y -  
Special Event Station

International Lighthouse-Lightship Weekend (ILLW)

1700 to 2300 Zulu

Suggested Frequencies:

40m: 7.005 - 7.035 MHz

20m: 14.010 - 14.040 MHz

15m: 21.010 - 21.040 MHz

10m: 28.010 - 28.040 MHz

CW Only

QSL via N9BOR with SASE or greenstamp.

Contact: MAC

URL: <http://www.qsl.net/mac>

Email: mac@qsl.net

Ohio QSO Party Contests 08/24/02 - 08/25/02 DESCRIPTION:  
1600Z August 24 to 0400Z August 25. Ohio stations work  
everyone, outside of Ohio work OH. 80-10 meters, no WARC.  
Repeat qsos on different bands, CW/SSB, mobiles as they change  
counties. Suggested freqs 45 KHz up on cw, 3850, 7225, 14250,  
21300,28450. Full rules, forms, awards, log submission info,  
results, etc. at [www.qsl.net/mrrc](http://www.qsl.net/mrrc)

Contact: Jim Stahl K8MR

URL: <http://www.mrrc.net/oqp>

Email: jimk8mr@aol.com

**Everything should be made as simple as possible, but no simpler.**

## Traffic Net

**Please be advised after the Tuesday night MITN net on 3952 starting July 23, there will be traffic handling instructions. Please let your groups know if they might have an interest in handling traffic that they can check in and learn how to handle traffic immediately following the net.**

**Net starts at 7:00 PM and usually last 15 to 30 minutes depending on the amount of traffic that is handled.**

**Debbie Kirkbride KA8YKK  
ASM ARPSC Michigan Section**

## For What It's Worth

I have found the ultimate down load that will let you learn the code easily, at a good rate of speed and and with minimum effort. Right off the bat here is the web site for the program.

see: <http://www.g4fon.co.uk/>

You go to his download area and down load the program he has set up. It is super.

It starts off sending you 2 characters, M and K and you copy these two down on paper in 5 minute sessions until you hit 90 % correct, then you add the next letter. You continue to do this until you can recognize all 46 characters and Pro signs and numbers. Everytime you get proficient at the letters your are doing, you add one. This is called the Koch Method and was actually thought up by a Psychologist type fellow in the 1920's, but only now is the technology available to do it easily.

It allows you to add noise, reduce signal strength, add a chirp, and QSB . the slowest rate is 15 WPM and the fastest is 50 wpm but you can do 1/2 or quarter speed and slow it even more (around 5 wpm is the absolute slowest.) If you start at 20 WPM and then listen to it at 15, you swear you can take a nap waiting for the next character. Really. the program is super easy to use.

The only problem I had with the program is that it wants to unzip itself to your Temp. file on the hard drive and then you may have trouble finding it. I recommend that when it ask you to unzip it to C:\ Temp, you choose a sub directory of your choice then you go there and run the SETUP icon and it puts it on your drive in a separate sub directory which is easy to find. Copy the shortcut for the program to your desk top and have fun and learn the code. It works with Win 95 and 98 and NT and several others, about all you really need is Windows and a sound card..

This is a super easy way to learn the code at 15 or 20 wpm from the start, and you can also use it to improve your code ability in the future.

My hat is off to MR. Ray Goff, G4FON, who took several ideas and made this program that really works. All Ray asks for is that you drop a line to him if you do an improvement on the program so he can share it with everyone else.

Check this out, I think it may solve your no-code blues problem. This is so easy it should be illegal

73 tom N6AJR

## **From Rochester General Hospital**

### **HOW TO SURVIVE A HEART ATTACK ALONE**

Let's say it's 6:15 p.m. and you're driving home (alone of course), after an unusually hard day on the job. You're really tired, upset and frustrated. Suddenly, you start experiencing severe pain in your chest that starts to radiate out into your arm and up into your jaw. You are only about five miles from the hospital nearest your home; unfortunately you don't know if you'll be able to make it that far. What can you do? You've been trained in CPR but the guy that taught the course neglected to tell you how to perform it on yourself. Since many people are alone when they suffer a heart attack, this article seemed to be in order. Without help, the person whose heart stops beating properly and who begins to feel faint, has only about 10 seconds left before losing consciousness. However, these victims can help themselves by coughing repeatedly and very vigorously. A deep breath should be taken before each cough. The cough must be deep and prolonged, as when producing sputum from deep inside the chest. And a cough must be repeated about every 2 seconds without let up until help arrives, or until the heart is felt to be beating normally again.

Deep breaths get oxygen into the lungs and coughing movements squeeze the heart and keep the blood circulating. The squeezing pressure on the heart also helps it regain normal rhythm. In this way, heart attack victims can get to a hospital. Tell as many other people as possible about this, it could save their lives!

From Health Cares, Rochester General Hospital via Chapter 240s newsletter AND THE BEAT GOES ON ... (reprint from The Mended Hearts, Inc. publication, Heart Response)

## **Laws of Technology**

Law #1: You can never tell which way the train went by looking at the track.

Law #2: Logic is a systematic method of coming to the wrong conclusion with confidence.

Law #3: Technology is dominated by those who manage what they do not understand.

Law #4: If builders built buildings the way programmers wrote programs, then the first woodpecker that came along would destroy civilization.

Law #5: An expert is one who knows more and more about less and less until he/she knows absolutely everything about nothing.

Law #6: Tell a man there are 300 billion stars in the universe, and he'll believe you. Tell him a bench has wet paint on it, and he'll have to touch to be sure.

Law #7: All great discoveries are made by mistake.

Law #8: Nothing ever gets built on schedule or within budget.

Law #9: All's well that ends... period.

Law #10: A meeting is an event at which minutes are kept and hours are lost.

I would like more input from the members. Is there something you want to know or want to say. Do you have something to sell or do you have a service the members would be interested in.

Do you have an interesting story. This newsletter is for the members and should be by the members. We can find some material but I know there is a lot good information going to waste because it doesn't get told. We are getting new members all the time and they want to learn about ham radio. Do you have plans for antennas or base stations. I know our club has an lot of knowledgeable people in it. You can tell this by listening on the repeater. Share the knowledge. Everyone had to learn at some point. I would like to have a list of Elmer's. What there expertise is and a contact point for those interested. We can make this club one of the best in Michigan. All we need is those with knowledge to share it. Thank you.

**You may be only one person in the world, but you may also be the world to one person.**