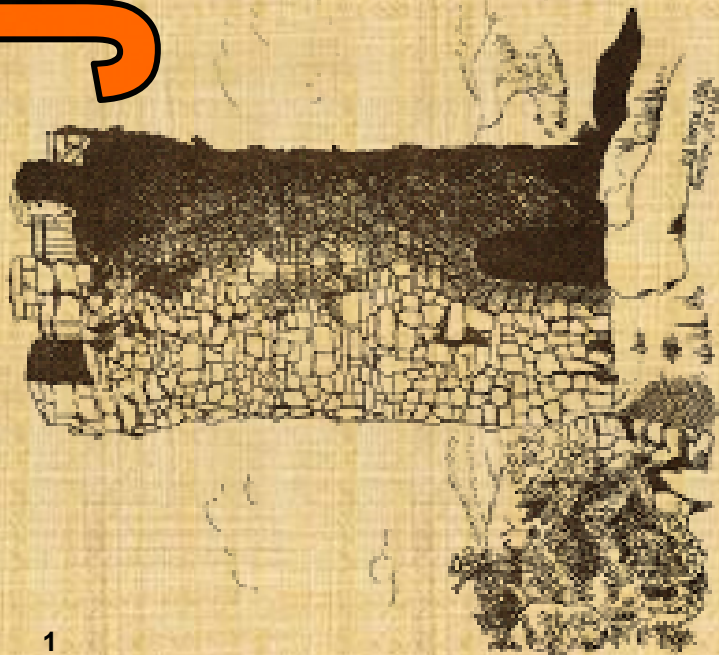
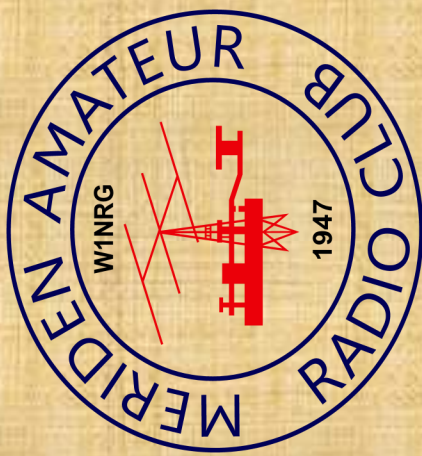


KEYKILL

MERIDEN AMATEUR RADIO CLUB

JULY 2017

1947-2017



Celebrating our 70th Year Anniversary

BUSINESS MEETING THURSDAY JULY 13 / ACTIVITY MTNG THURSDAY JULY 27*****
******ALL MEETINGS ARE AT 7:30PM***** ON THE 2ND & 4TH THURSDAYS OF THE MONTH,**
AT THE HOPE HILL FIREHOUSE 143 HOPE HILL ROAD, WALLINGFORD
******WHEN SPECIFICALLY ANNOUNCED, A SPECIAL ACTIVITY MAY START AT 6:30PM******

OFFICIAL MAILING ADDRESS, MERIDEN AMATEUR RADIO CLUB, POB 583, MERIDEN CT 06450
PRES W1KKF BILL WAWRZENIAK VP N1API AL KAISER SECT KC1SA STEVE ALLEN
TRES K1WJL DAVE SWEDOCK S.A.M. K1RCT ROB CICHON

KEY KLIX EDITOR DAVE SWEDOCK K1WJL CONTACT DSWEDOCK@GMAIL.COM OR 203 235-8582

Activity Meeting / Event

Thursday July 27th Annual MARC Lark in the Park Picnic **6:00 pm** at the Marcus Cooke Park Pavilion, 287 Old Rock Hill Road, Wallingford CT. (Where we previously had our *Traditional Field Day*). The Club will provide burgers, hot dogs and drinks. Please bring your favorite salad, desert or snack to round out the menu. (Editors comment---There is a lighted, open air pavilion that is in a thickly wooded section so I would very strongly suggest a generous supply of your favorite Insect Repellent, unless it is windy that night). CU there.

Scholarship Winner.....

Don KE1AY has announced there is a winner and he will be at the July business meeting to accept the check. Lets have a good showing to congratulate the 2017 W1FD scholarship recipient.

SKYWARN Net on the air

Ed W1YSM reports The New Haven/Middlesex County SKYWARN Net is on the Air EVERY THURSDAY AT 1900 ET ON W1WPD Repeater, 442.5-00 (DCS 073) LINKED TO 145.29 repeater in Killingworth. You do NOT need to have a SKYWARN Spotter Number to check in, This follows up on the SKYWARN training held at the Club in May.

Jerry K1TGX REPORTS:

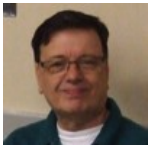
I just received a call from a lady about some old gear her father-in-law used years ago, She has a Kenwood TH26AT handheld. Looking to sell/donate it. There is also a Realistic scanner. Can you pass this info along to club members to see if anyone has any interest? Any newbies looking for 'something' to get on 2m? Her name is Kim & her husband is Jason. Their tel number is 860-573-8424.

Chris WA1VXH with Fireworks Report (not Fireworks Island) but July 1st event

Mr. Leonard Guercia Director OEM requested a small but effective support group of the Wallingford Amateur Radio Group for the July 1st Firework display. John-K1LYP and Chris-WA1VXH met with the Police and Fire Chiefs at the 143 Hope Hill staging facility. The Town setup a Command Post supporting Police, Fire, EMS, Rescue Vehicles and two Fire Engines. Various other emergency staff were staged throughout the viewing area. The display started approximately at 9:00 PM The Town estimates that between 6-7 thousand people attended the event.

Picture to the right is from Chris WA1VXH with fireworks exploding above the newly installed log periodic. The EMS Crew had to administer oxygen to K1LYP a few times as residue rained down On the L-P. Needless to say both John and the Antenna survived.





Castle Craig Chapter, 10/10 News AI N1API, Chapter Head

There will be a Castle Craig Chapter Net on Friday August 4th 2017 on the club net frequency of 28.375. The purpose of this net is to kick off the 10-10 Summer QSO Party. I hope that all club members will join in. Even if you do not have a 10-10 number you are worth 1 point to the rest of us who do and are submitting logs. The QSO party runs from 0000 UTC August 5th 2017 to 2359:59 August 6th 2017. I would like to ask everyone to help listen for stations that I may not be able to hear.

If you are a paid up 10-10 member your support of the club, and our chapter would be appreciated. Please make as many contacts as you can, and submit your log for credit. Remember to mention that you would like to credit Castle Craig Chapter of 10-10 with your score. Also if you talk to any area 10-10 members before, during or after the contest please remind them that Castle Craig is their local 10-10 chapter and their support would be appreciated if they will be submitting a log.

We will start taking check ins at 7:45 PM local time, (23:45 UTC), and I will be the Net Control. I would like a station to help with relays if needed. The procedure is simple. At 8 PM local time, (0000 UTC Sat. Aug. 5th), we will start from the top of the list, (myself), and I will give my 10-10 information, that is Call, Name, QTH (state), and 10-10 number. The next station will be called and that person will give their information and then stand by. We will proceed to the bottom of the list. The procedure is then repeated from the top to bottom of the list, except you will call all stations that you heard and QSL their information. If you need a repeat on any information this is the time to ask for it. Once the last station is called they should have no calls to make because everyone has called them. I expect that this net should last no more than about 20 minutes.

Please plan to attend and get the Summer 10-10 QSO party off to a rousing start!

----- NEW INFORMATION -----

I would like to hear from the Club members if they would also like to have a Saturday or Sunday Chapter net for those who were not able to make the Friday Night net. Which day would be best for you? I propose 2 PM either Saturday or Sunday to gather on 28.375 for another local net. Please let me know what you would like either by email or at the July Business Meeting and I will schedule it. Thanks!

-73- AI N1API, Castle Craig Chapter Chapter Head and Certificate Manager

ACTIVITY NIGHT & EVENTS, DE W1YSM



Thursday July 27	Lark in the Park	Marcus Cooke Park, Wallingford CT.	6pm
Thursday August 24	7:30PM – 8:30PM	Fox Hunt Theory	
Saturday August 26	Fireworks Island—Islands on the Air		8am to 5pm
Thursday Sept 28	TBD		
Thursday Oct 26	QSL manger from ARRL to speak		
Thursday Nov 23	cancelled due to Thanksgiving Holiday		
Thursday Dec 28	cancelled due to Christmas Holidays		

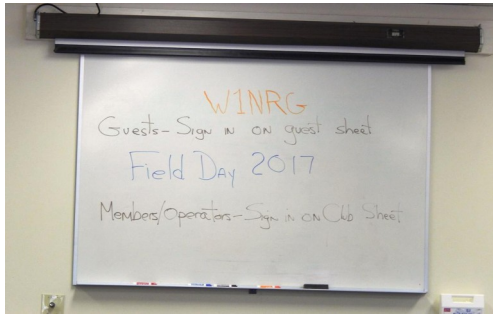
Message from Steve KC1SA:

If you've completed the ICS training course on the FEMA site, remember to save the email confirmation you get from FEMA when you pass the course. This is the only proof that you've taken the class and passed. I am maintaining a database of folks who have taken the 100, 200, 700 and 800 classes and have passed. If you haven't done so already, please email me your pdf that FEMA sends you in the confirming email so that I may archive them. In the past KC1BAQ and/or WA1SFH recorded these, we are now keeping that database locally in the club as part of the roster.

I have pdf's from: K1RCT KB1JL W1YSM WA1VXH & KC1SA.

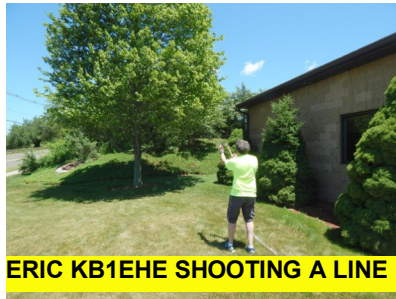
If you've taken the CPR and/or First Aid courses from the MRC let me know that as well. If you have taken the ICS courses and you can't find the email or saved PDFs, do a search in your inbox for emails from " INDEPENDENT" and that may help you locate the files.

FIELD DAY 2017



CREW INSTALLING THE G5RV

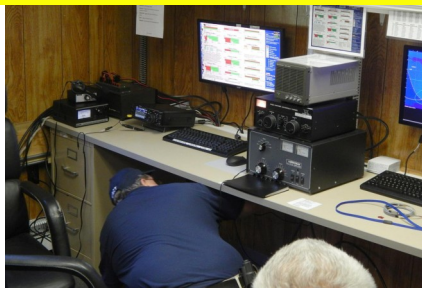
THAT'S THE ONE!



ERIC KB1EHE SHOOTING A LINE



K1RCT LOOKING FOR THE BUG!



THESE GUYS HAD THE BUG!



"GOTA" QUEEN ELSIE



ELSIE KB1FZ AT GOTA SETUP



GOTA STATION



GOTA STATION



CHRIS WITH KS0EGL & FAMILY FROM KANSAS



K1LYP WITH K1ERNIE



SSB STATION

N1GNV DOING WHAT HE DOES BEST



SOLAR COMMAND CENTRAL



N1GNV'S FAMOUS ROADKILL STEW



**WB1GYZ TELLS K1VDF
"YOU GOTTA TRY THAT
ROADKILL STEW!"**



K1VDF AFTER THE ROADKILL STEW..

The MARC FD score is 3,556.

Call Used: W1NRG GOTA Station Call: W1FD ARRL/RAC Section: CT Class: 2F
 Participants: 62 Club/Group Name: Meriden Amateur Radio Club
 Power Source(s): Commercial, Battery, Solar
 Power Multiplier: 2X

Bonus Points:

100% Emergency power	200
Media Publicity	100
Public Location	100
Public Information Table	100
Formal message to ARRL SM/SEC	100
W1AW Field Day Message	100
Satellite QSO completed	100
Natural power QSOs completed	100
Site Visit by invited elected official	100
Site Visit by invited served agency official	100
Youth participation	40
Youth operators=2	
Youth participants=2	
GOTA Bonus	0
Submitted via the Web	50
Social media	100
Total Bonus Points	1,290

Score Summary:

	CW	Digital	Phone	Total	
Total QSOs	468	0	197		
Total Points	936	0	197	1133	Claimed Score = 2,266

6 natural power CW contacts were made using 25W but categorized all CW contacts at 100W.

Band/Mode QSO Breakdown:

	CW	Digital	Phone	
	QSOs	Pwr(W)	QSOs	Pwr(W)
Pwr(W)				QSOs
160m				
80m	74	100	59	100
40m	106	100		
20m	153	100	101	100
15m	122	100	27	100
10m	13	100		
6m				
2m				
1.25				
Other				
Satellite			1	5
GOTA			9	100
TOTAL	468	0	197	

From FD Chairman Steve KC1SA

I'd like to thank all those members who helped to make FD 2017 a fun and successful event. Not only those who operated the CW or SSB stations, but those that helped man stations like the GOTA and food stations. Tracking down visitors and having them sign in and being the ambassadors of the club. For all the folks who helped debug station issues at the eleventh hour, many thanks. The results of our work together will start tomorrow. We made two satellite contacts (1 for safety margin), 6 solar / batter contacts (1 more for safety margin)/ captured the bulletin from the league, messaged section manager just to name a few. We had many visitors from neighboring communities stop by and a family from Kansas stopped by. Public attendance seemed higher than last year and the weather really was quite good.

Many of you gave up your weekend to support the club by sitting at the 991A's and gabbing away or getting your fingers tired. I'd like to thank the following operators for your time and dedication to making FD 2017 a success. WY1U, W1YSM, W1KKF, NZ1J, N1OKR, N1HCA, KS0EGL, KE1AU, KC1HFP, KC1GLM, KB1JL, K1VDF, K1TG, K1TDO, K1RCT, K1MVM, K1LYP, K1STM & WB1GYZ. If I missed any of the operators I apologize, this was taken from the output of N1MM+ (CNTRL-O) and my memory.

I'd also like to thank Eric & Elsie at the GOTA station, I'll be adding in the QSOs made there for potential bonus points. And N1GNV for the excellent weasel stew and other fine dining tidbits. Big thanks to all the support from our members setting prior, helping out during and of course cleaning up when all was done. Preliminary numbers show us falling a little shy of last year's score, chalk that up to band conditions.... we are still on the downward slope of our friendly sun's help.

Unofficially CW (the original CW stuff) beat out the SSB folks. Here's a quick summary.

Overall 20m was the best band for point accumulation - 252 points

Worst band for points 10m - 13 points

In order best to worst - 20m 15m 80m 40m 10m

Highest member score CW - K1VDF

Highest member score SSB - K1RCT

I'll have a whole statics sheet one things are finalized. I have some fixes to do on the SSB database as it looks like an SSB contact was logged as RTTY.... must have been operator error (KC1SA was the operator). I heard KS0EGL on the 36 repeater, he and his family thanked everyone at our Field Day for welcoming them to our event and letting him operate.

[Comments from the peanut gallery:](#)

This was my first MARC Field Day and it was awesome. We had nice radios to use and good teachers to show us how to use them properly. I am not a phone contester but now I know how to navigate a crowded band without being intimidated. I'm okay with CW but SSB always sent me running away until recently when I have experienced phone contesting. I must thank everyone who made this year's contest an awesome one. Steve for carrying the load of all things; John Bee for the great restaurant, the set up and tear down group and many others. I also thank those who logged for me today. And of course K1LYP for providing a very nice limo for me. I know I'm leaving people out but it's not intentional. Now we can all take a nap and get back to reality. [Anne West, K1STM](#)

Thanks to all who brought goodies to share. I should have kept better track, but we had veggies, snacks, lots of cookies, donuts, and (I believe this was a first!) even a pizza. I was surprised at how little response there was to grilled, fresh-picked corn on the cob, and to sausage patties. Maybe I did not do enough to make folks aware that we had them? I'd be interested in hearing any thoughts on that, or any other ideas for improvement for FD 2018. Most of the leftover food, especially the rolls, was donated today to the Homeless Shelter, and they were very appreciative. More expensive things that can be safely frozen or otherwise stored will be kept for the Lark In The Park Club picnic on July 27th. [John N1GNV](#)

I'll also mention the club's great work getting members up to speed on the new equipment and on the air. As a new member of the club, I really appreciated it. This was a great Field Day. [Dave NZ1J](#)

What an incredible, first-class Field Day. You have it totally "dialed in". I particularly love the Club's emphasis on community engagement -- providing fresh opportunities to energize young minds. It was a super event, in every way. I'm so proud to be a member of MARC. 73, [Eric KB1EHE](#)

It was remarkable to see so many members at FD. Everyone participating in some way to make the event successful! 73, [Elsie KB1IFZ](#)

Steve, Kudos go to you for being the glue that held us all together and pulled it off. Thanks a lot from me and I suspect from all of us. [Ed W1YSM](#)

"DA TRENCHER" COMES TO HOPE HILL



FIELD DAY STREAM???



K1DT (DON TRUMP) DRAINING THE SWAMP



THE VIEW FROM UPPER MANGEMENT



KB1JL & GROUND MOUNTED LOG PERIODIC



THE SEMI-FINISHED PRODUCT



THE FINISHED PRODUCT



THE REVIEW TEAM





Secretary Report & Minutes of Meriden Amateur Radio Club (M.A.R.C.) JUNE 2017

The MARC June business meeting opened at 7:30 PM EDST on June 8, 2017 at the Hope Hill Road EOC. There were 22 members in attendance and two guests.

Officers present: Bill (W1KKF), Al (N1API), Steve (KC1SA), Dave (K1WJL), Rob (K1RCT)

The meeting was opened and chaired by President, Bill (W1KKF).

Announcements –

- Our next meeting is June 22nd (activity meeting)
- Field is June 24th and 25th

Tech class is June 10th and 17th at the EOC. 9AM to 3PM with a VE session at 3PM on the 17th.

Introductions – All in attendance introduced themselves.

Secretary's Report – The May Secretary's Report was reviewed at the meeting and published on the W1NRG site and was recorded as read.

Treasurer's Report – Dave (K1WJL) gave a treasurers report and was accepted as reported.

Contributions – none.

Correspondence –

Received Vanguard check, withdrawal from account for general expenditures.

Program & Entertainment – Ed (W1YSM) reviewed upcoming activity meeting dates and topics.

June 22 th	6:30PM – 7:30PM	COCORHS presentation
	7:30PM to 9PM	Field Day preparation
July 27 th		Lark in the Park (N1GNV is checking for Hubbard Park availability)
August 24 th	6:30PM – 7:30PM	Fox hunt theory
	7:30PM – 8:30PM	Fox hunt
August	26 th	8:00AM – 5:00PM US Islands
October 26th		QSL manger from ARRL to speak

Scholarship –

The recipient will be presented with the 2017 scholarship at the July business meeting. Please attend this meeting if you'd like to meet the recipient. The recipient is from Wilcox Tech and was 1 of 8 applicants

Club Station & Facilities – Rob (K1RCT) presented status for the month.

- Received two Kenwood TMV-71A for go-kits thanks to Wallingford Emergency Management.
- 500' coax donated from Quick Silver Radio to Emergency Management for our use.
- Assembly work on T6 is nearly complete.
- Heil Headset adapters arrived for the 991A's – incomplete
- Settings for the two HF rigs (991A) have been archived.

500' rotator control cable donated by W1DQ.

Nets –

- 6M – Al (N1API) reported for Jim (N1ZN) reported, 8 to 10 or so check-ins at the last net. This Net is on 50.175 MHz each Monday at 8PM local time.
- 10M – John (K1VDF) reported the net has been very active with a dozen check-ins. This Net is on 28.375 MHz each Tuesday at 8PM local time.
- 2M – Rob (K1RCT) reported for Todd (K1TDO) and reported about 5 checked in to the 2M net this past Tuesday. This Net is on the 147.360 MHz repeater each Tuesday at 7PM local time.

Castle Craig – Al (N1API) stated The Spirit of '76 contest is coming up in July. Al will post an informational section in Key Klix.

VE session – A VE session was held on Saturday May 13, 2017. One person attended and passed (General).

Key Klix – Dave (K1WJL) is always looking for articles from members so keep the information rolling into Dave. The Lion's Duck race put the KK on the back burner, KK should published within the next few days

Membership – Club membership stands at 85

Interference and Technical – Nothing to report.

Repeater – Not discussed.

Hamfest – Event is October 8, 2017 at the Four Points in Meriden.

Candy Store – Gold Medal Ideas now has several types of shirts and a hat has been added to our landing page for Meriden ARC on their web page.

Here's the link to Gold Medal Ideas: <http://stores.goldmedalideas.com/ygs>

AuxComm – Chris (WA1VXH) reported, as part of Emcom/AuxComm and the Emergency Communication Team of Wallingford Amateur Radio Group:

- Take the Core 4 (IS-100, IS-200, IS-700 and IS-800)

These can be taken at your own pace at the following site: <https://training.fema.gov/is/>

- Send PDF of your certification to KC1SA to keep on file

- The trailer is being fitted with benches and tables

- Trailer will be multi-purpose unit and will be used by

- ✦ Fire fighters,

- ✦ MRC

Emergency Communication Team

The above trainings should be to be completed if you wish to participate in the simulated training exercise next year.

Swearing in will occur at the Taste of Wallingford/Celebrate Wallingford on October 7th. As the date gets closer we'll have more details.

Old Business:

Skywarn

May 25th date was the date for the event, Well attended by 60+ people, 10% were Amateur Radio

Had a lot of interest in radio. Excellent article in the Record Journal on the event

Introduction to Amateur Radio

Held June 5th at Wallingford Public Library – well received and attended by 18 people.

Very interactive with lots of questions by attendees. Thanks to club members who helped out and supported the event.

Christmas Diner

Date is set for December 14, 2017 at Serafino's in Wallingford, \$25 / person, 6PM Cash Bar / 7PM Buffet Diner

W1YSM will search for speaker / topics and present at a future meeting

70th Anniversary

Open format much like the 13-Colonies, Announcements have went out to QST and CQ

Will be in the October QST (which we get in September), A single call sign, most likely W1NRG

Must sign up if you are going to operate, Mark (K1PU) is the coordinator

Library

Six ARRL technician license manuals were picked up by AI (N1API). Books to be loaned out to members and to folks attended technician class. Sign them out from the librarian (WV2LKM), Books are good through 6/30/2018

Coffee Maker

- Purchased a 20-40 cup coffee maker

Can be loaned out to club members much like our other club owned equipment

Field Day

Steve (KC1SA) reported

Operating as 2F, Have CW schedule, Let N1ZN if you want to operate SSB (there are slots open)

KC1SA Field Day captain, W1KKF is CW captain, N1ZN is SSB captain, CW station gets the G5RV.

All 24 is covered but if you'd like to operate we'll put you in, Let W1KKF know if you'd like to participate.

SSB station gets 'other' antenna, KB1EHE and KB1IFZ are captains of the GOTA station

May be located in the garage OR in the trailer if it's ready.

CW CLASS Five people started the class and two 'graduated'.

New Business Islands on the Air – August. Will be held on Fireworks Island. Date is August 26th 8AM.

Looking for a team captain to organize the event.

Meeting was closed at 8:30 PM.

INFORMATION PAGE

MERIDEN AMATEUR RADIO CLUB

PRESIDENT.....W1KKF BILL WAWRZENIAK
VICE PRES.....N1API AL KAISER
SECT.....KC1SA STEVE ALLEN
TRES.....K1WJL DAVE SWEDOCK
STATION A.M...K1RCT ROB CICHON

MEETINGS:
7:30PM ON THE 2ND & 4TH THURSDAYS OF THE MONTH,
UNLESS OTHERWISE POSTED,
AT THE HOPE HILL ROAD FIREHOUSE
143 HOPE HILL ROAD, WALLINGFORD

KEY KLIX EDITOR DAVE SWEDOCK K1WJL
CONTACT DSWEDOCK@GMAIL.COM
203 235-8582

MAILING ADDRESS: MERIDEN AMATEUR RADIO CLUB
POB 583, MERIDEN CT. 06450

CLUB NETS

6 MTR NET MONDAYS 8PM
50.175MHZ N1ZN JIM

2 METER NET TUESDAYS 7PM
147.36 /RPT K1TDO TODD

10 METER NET TUESDAYS 8PM
28.375MHZ K1VDF JOHN

10/10 CASTLE CRAIG CHAPTER
CONCURRENTLY WITH CLUB NET
28.375MHZ TUESDAYS 8PM N1API AL

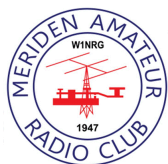
CLUB DUES STRUCTURE (JAN-DEC)
UP TO 64 YRS OF AGE--\$15/YR
SENIOR DISCOUNT 65 & UP--\$10
ADDITIONAL FAMILY MBRS---\$5
NEW DUES STRUCTURE AS OF 1/2018
UP TO 64 YRS OF AGE—\$20
SENIORS 65 & UP—\$15

WEBSITE: (USE LOWERCASE)
www.w1nrg.com

FORUM/BBS:
www.w1nrg.com/forum/
 or go to website and follow links

CASTLE CRAIG 10-10 WEBSITE:
 go to www.w1nrg.com
 and follow the links

CLUB REPEATER W1KKF/R
147.36MHZ +600 OFFSET
NO PL TONE (OPEN REPEATER)



AB1DQ	James Surprenant	17	KC1EVI	Gerard Carriera Jr.	17	W1VCU	Nelson Denison	L
AB1HB	Charlie Dudac	17	KC1FJJ	Rich Nagy	17	W1YSM	Ed Snyder	17
AF1HS	Art Fregeau	18	KC1GEV	Carl Nilson	17	W7FUR	William Spokes	17
K1IIG	Steve Tripp	17	KC1GLM	Robert Speers	17	WA1FFT	Ray Irwin	17
K1JCF	Joe Farrell	17	KC1HFO	John Stoidis	17	WA1JKR	John Rogus	17
K1JTH	John Hart, Jr.	17	KC1HTO	Greg Ploski	17	WA1SFH	Douglas Sharafanowich	17
K1LHO	Mike Ash	17	KC1SA	Stephen Allen	17	WA1TRY	Rich Aubin	L
K1LYP	John Yusza	17	KD1JG	Robert Cartier	17	WA1VXH	Chris Sievert	17
K1MMK	Mike MacKennedy	17	KE1AU	Robert Kaczor	17	WA1ZVY	Jim Martin	17
K1MVM	Mike Macri	17	KE1AV	Dave Sanford	17	WB1GGP	Jerry Sheppard	17
K1PU	Mark Mokoski	17	KE1AY	Donald Mitchell	17	WB1GYZ	Bob Biancur	17
K1RCT	Rob Cichon	17	KE4EYA	Ralph Ring	17	WB8IMY	Steve Ford	17
K1RJC	Rick Castaldo	17	N1API	Al Kaiser	17	WJ1B	Harold Kraemer	17
K1SEZ	Paul Ciezniak	18	N1BF	Patrick Dionne	17	WV2LKM	Steve Waldmann	17
K1STM	Anne West	17	N1GNV	John Bartscherer	17	WY1U	Tim Mik	17
K1TDO	Todd Olsen	17	N1GY	Geoff Haines	19			
K1TG	Roger Kuchera	17	N1HCA	Susan South	17			
K1TGX	Jerry Molaver	17	N1JRC	John Collin Jr	17			
K1THP	Dave Karpiej	17	N1LGH	Barbara Stone	17			
K1VDF	John Blevins	17	N1NAN	Helen Spokes	17			
K1WJL	Dave Swedock	17	N1OKF	Bob Parisi	17			
KB1CIW	Bob Stephens	17	N1OKR	Frank Ciccone	17			
KB1EHE	Eric Knight	17	N1VTE	Sarah Kaczor	17			
KB1FYL	Bob Carruthers	17	N1ZN	James Savage	17			
KB1GWP	Joseph Rish, Sr.	17	NY2HF	Dennis Lane	18			
KB1HCC	Jonathan Winslow	17	NZ1J	Dave Tipping	17			
KB1IFZ	Elsie Mathews	17	W1ATV	Walt Yatzook	17			
KB1JL	Eric Olsson	17	W1DMM	Dan Murphy	L			
KB1SIT	Theresa Stephens	17	W1DQ	John Elengo	18			
KB1TJD	Gaianne Jenkins	17	W1KKF	Bill Wawrzeniak	L			
KB1TTV	Jonathan Martin	17	W1LV	Steve Morley	17			
KB1YFJ	Glen Couture	17	W1NDT	Bob Lombardo	17			
KB1ZMK	Dan Busa	17	W1NHS	Fred Ring	17			
KC1AYL	Mike Meadows	17	W1POP	Fred Liedke	18			
KC1CYC	Harry Shaefi	17	W1SKP	Skip Paquette	17			