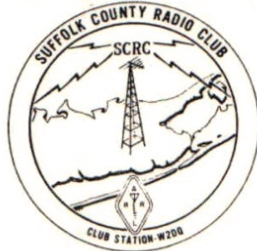


QTC

Suffolk County Radio Club

W2DQ and W2TFJ Repeater Systems
Established 1947



NR 15 Volume 7

FALL 2007

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6 Years Ago...

Grand Ol Ham

60 years ago...

Retirement...

Correspondence Directed to the club,
should be sent to the address below:

Suffolk County Radio Club
16 Silver Pine Drive
Medford, New York 11763

Cancellations of meetings due to inclement
weather or travel conditions, will be
announced on local Radio Stations WGLI,
WGSM, WALK, and the club repeater W2DQ /
145.210 pl 136.5

*President:Tim Clark KC2LIN; *Vice President:Steven Sipek KG4IKG; *Corresponding Secretary: Dominic Tringali N2UFX *Recording Secretary: Joseph Werner KC2BPS; *Treasurer: Art Weiss W2ALW;
*Director/Repeater/WebMaster: Joseph Parascandola N2QPD; *YL Director: Andie Boziwick KF4LSQ;
*QTC Editor and Publisher: Katherine Pearsall KC2ACJ; *Membership Director: Steven Sipek KG4IKG;
*Club Historian: (vacant); *Repeater Trustee W2DQ: Bruce Boziwick KD4EXN; *Repeater Trustee W2TFJ:
(Rev.) John G. Fleischmann WI2C.

Hey Kathy ! I have been wild, crazy and busy here. We haven't camped in weeks and our whole household is in an uproar. Our daughter and her fiancé, Frankie have moved back in here and we are in the midst of remodeling our home. Tree work, heating techs, contractors, all swarming all over and the work we had to do to get ready for this has been daunting. This is why I have taken so long in getting my Prez piece together and to you and also why it's subject is what it is! My wife has always said that I was "Sanford and Son" all by myself. I had a terrible time tossing anything which might "someday" be useful - out. Well, I have learned that she was right. I was a "project starter". I have purged so much junk in the past month that I must have had 100 unfinished "projects". I have made a person vow to myself to limit my projects and to NOT save stuff. If I need it for a future project I will get "it" then! Jean has always been unusually supportive of my antics and has helped me learn a valuable lesson. She also wants to know what I am doing with that ugly trailer, hence the President's Corner ! ps: feel free to publish this e-mail as it reads as a "pre amble" to it! Thanks again for your patience and dedication! Tim

President s Page

August 31, 2007

Ridge ,NY

Hello again SCRC Members. It is time to figure out what we all want to do with this club. We have a great deal going for us in terms of experience. We have a great deal going for us in potential. We have an amazing amount of new high tech technology available to us. There is our very own repeater, a trailer filled with parts and pieces, cables, towers, rotors, a non functioning generator and who knows what else. We have history which I have found, since becoming your President, to have been colorful and controversial. What we need to do as a club no matter what lies behind us and no matter what direction we decide to take the SCRC in, is take what we have , physically and clean house . We must take stock of what we have, figure out what we really need to keep and then find homes for what we decide to purge. This is mostly in reference to the trailer. Currently, it is almost useless, except as a mobile storage unit for a mixed bag of junk and equipment. I suggest we have two extra work sessions. The first would be to completely empty the trailer, collate and record what we have and decide what to keep. The second would be either a trip to the local recycle facility or possibly a Ham only invite yard sale. We can then set it up for Ham Radio !

Tim Clark / KC2LIN / President / Suffolk County Radio Club {631-418-5057} (cell) if no answer leave a message

The Evolution of 2-meters

By: Van Field W2OQI

Did you ever wonder how 2 meters ended up being almost 2 bands, one SSB, the other FM?

Hams before World War 2 operated on 2-1/2 (2.5) meters (112-116 MHz). The equipment was crude. A super-regenerative receiver, which had one RF tube and one or two audio tubes.

The transmitter was a one or two tubes in the RF called a modulated oscillator. It was a self excited oscillator and a two or three tube audio amplifier was coupled to it with a modulation transformer. No one could measure power so the plate current times the plate voltage gave the power input.

A double pole ceramic knife switch from the 10-cent store manually switched the antenna from receive to transmit. Hams made open wire line to use. There wasn't any such thing as coax.

Hams soon found a way to make the one tube receiver oscillate by changing grid bias, thereby making a transceiver. The audio was switched end for end.

Soon small manufacturers, who had made equipment for 5 meters, started on 2.5 meters. Abbot was a well known manufacturer. Check your CD collection in old 1940s QSTs.

World War 2 intervened and there was only limited operation for Civil Defense. It was called WERS, the War Emergency Radio Service. Hams could get a special license to operate in Civil Defense drills, or at least those who were too old or too young to be drafted into the military.

After the war the first band amateurs got back was 2.5 meters. Surplus aircraft radios built for the war became available on the war surplus market for a song. Some conversion was needed of course. The most famous was the SCR 522. The transmitter was a 4 channel crystal rig. It just needed a power supply and a crystal and one was on the air. The receiver was paired with it was on a separate chassis. It required extensive conversion to make it a useful receiver. It was easier to use the reliable one tube super-regen with it. I converted a transmitter to 6v from 12v so I could use it in my 1938 Chevy Coup. Cars had 6v systems in those days.

There were a few Hallicrafters S-27 and S-36 receivers around, but few had them.

Soon after the war the demands on VHF channels for the new radio techniques that evolved. FM broadcast extended into the 88-108 MHz band and TV was hungry for space. Just one TV station uses a 6 MHz piece of the other.

The 5 meter ham band became channel 2. (Channel 1 never evolved). 2.5 meters moved to 144-148 MHz forcing hams to re-crystal their equipment. They also had to re-do their antennas.

Along about this time hams started using better equipment and it was found that ignition noises were less when horizontal polarization was used. Previously everyone was vertical. Necessary for mobiles and good for omni use on Long Island because half the stations were west and the other half were north, so an omni antenna made sense. Most people used 7 to 11 element rotary beams. This split hams so that DXers went horizontal and others stayed vertical. About this time surplus Police FM gear started to show up. 2 meter mobiles started becoming FM and crystal controlled and something new in ham radio, a crystal controlled receiver. The crystal companies had a field day! The concept of a squelch was also new.

As soon as people started using police type equipment, the idea that was used

occasionally in Police radio, the repeater. Hams started wiring up repeaters and today's world of FM transceivers and repeaters arrived. Not without growing pains of course. These new concepts often didn't sell well with the old timers. Today the digital revolution is repeating this phenomenon.

By the early '70s the marine radio rules changed and local boats had to get rid of their old AM transceivers on 2 MHz and the VHF FM marine transceiver was born. Manufacturers were soon to see that a few simple changes and changing the label made them ham transceivers.

And that's how we got to where we are today on FM.

Note: The SCR 522 transceiver was an American design by Bendix engineers. The U.S. government refused to buy them, but the British snapped them up for their Air Force. Most, if not all, were manufactured here in the U.S.A. and all of them carried the seal of the British Air Ministry. The U.S. had to pay the British for the privilege of using them in U.S. Army Air Corps fighter planes.

MENTORING...

Do you know of anyone in the SCRC who could receive recognition for the mentoring or Elmering accomplishments? If you can, then you could submit their name, call sign, the club presenting the award, and the address to where the award is to be sent (namely the club's address). The ARRL offers the Elmer Award mounted on a beautiful walnut plaque. For additional information, details and cost of this service, you can call: 1-860-594-0230.

Let your club be proud of its people!!

6 YEARS AGO... on September 11th, 2001, an act of pure terrorism hit the United States. It hit hard at the two World Trade Towers. It hit hard at the Pentagon. It hit hard in the fields of Pennsylvania.

As you reflect back to that terrible day in America's history, remember all those who have given their lives to save others, to all those who aided in the multi-departmental rescue efforts, to all those families who lost loved ones never to have them back, to the volunteers who gave of themselves and never asked for anything in return.

The United States will continue to heal by remembering those who lost their lives on that unforgettable day, and as each year passes, keep remembering where you were, what you did or could have done, and be thankful. We have our freedoms. We own our freedoms. We are blessed with our freedoms. We acknowledge our freedoms. We can all protect our freedoms.

Life is precious. We can all do our part by keeping our eyes and ears open and reporting anything suspicious to the proper people. It's people who give people a chance. *Editor*

Date : Wed, Jun 27, 2007 06:27 PM

I just received this item from Donna McCormick, the President Elect of the Custer institute...is worthy of discussion.....Beginning in 2008, most non-profit organizations with

-4-

receipts less than \$25,000 will have to file a new form (990N) with the IRS. Failure to file could

result in the loss of tax exempt status. Click on the link below to learn more.
All the best
Donna

<http://www.irs.gov/charities/article/0,,id=169250,00.html>

Hello, sorry for getting in contact with anyone sooner -

I have had my cardiac catheter and unfortunately there is nothing they can do for me right now. I have a completely blocked artery and to try angioplasty or a by-pass I would die as my heart is at 24 percent due to a heart attack at the end of August. They will change or upgrade my pacemaker. I have restrictions on what I can do right now as they hope to get my heart up to 30 percent with this new pacemaker. If anyone has the time, I have two radios that I cannot program anymore due the fact that naturally I am still almost blind - at least I am not dead and feel pretty good! I can also still ride my exercise bike so long as my artery in my groin is completely healed! And it looks right now that I have beaten dialysis again - so keep your fingers crossed for me! I need it! Hope everyone is ok out there! I will get back to everyone as soon as I dig up some phone numbers. Take care and please excuse my spelling and grammar.

Lester KB2ZHF

Editor s note: I have corrected much of the grammar and spelling with the computer without taking out Lester s dramatic character in his writing.

I believe I can speak for all the members of the SCRC, that we miss you and wish you well and a very speedy recovery. You have a very good supporter in Cathy, and many more from your friends.

Grand Ol Ham was nominated by Robert Napoli K2LGO, of the Peconic Amateur Radio Club, Riverhead, NY. He is also a Charter Member of the SCRC. (Charter Member is an individual who was a member at the formation of this organization, the SCRC.) On November 10, 2007, the Hudson Division Awards Dinner will be presenting special awards to its winners.

Even though this **GRAND OL HAM** wasn t nominated by his founded club, he is a member and we wish him the very best!

You ask who this ham is? Well, it s our very own - Van Field W2OQI - that s who!

The Hudson Division Awards Dinner will be held at the Holiday Inn, Saddlebrook, New Jersey on November 10th. For ticket infomation, visit:
<http://www.hudson.arrl.org/pages/awardsdinner2007.htm>

Congratulations Van!!!

-5-

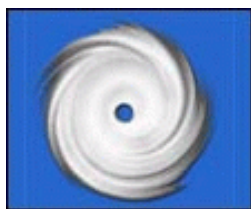
MORSE CODE STUDY in Pennsylvania??! Who d have ever thunk it!

A psychology professor at the University of Pennsylvania is conducting a study involving

short-term memory and how it correlated to Morse Code. Julie Fiez, the study's principal investigator, said she got the idea of using Morse Code in her studies from a family member who is an Amateur Radio operator. She said she liked the idea of using CW in her experiments to see how people process audio tones. Our interest is in verbal working memory, she said, which is the ability to keep on-line for a short time, information you can access later. Part I of the experiment is an assessment of the participant's Morse proficiency. First, participants will be asked to accurately copy sentences as they are presented in Morse at three different rates (16, 19 and 25 WPM). Then they will be asked to listen to the entire Morse sentence and recall the letters from memory. Part II asks participants to recall lists of letters from memory. The letters will either be in English or in Morse. Participants will either hear the letters through headphones or see them on a computer screen. The study will look for differences in memory performance between Morse lists and English lists. The research study is expected to continue through the fall.

*And you thought there wasn't going to be any more Morse Code!!
(Article from the ARRL Letter, Vol. 26, No. 31, dated August 3, 2007)*

Hurricane season is still here and doesn't end until November 1st!



Keep your equipment ready... keep yourselves ready... make sure you have your survival kit ready!! In other words - BE PREPARED! You never know!

FROM YOUR EDITOR AND PUBLISHER..

It is with great sadness that I need to inform all of you, that this will be my last editing, publishing and printing of the SCRC's QTC. I hope, with all the talent still embracing the club, you will be able to find a suitable replacement for me.

Since last November, I have embarked on a new endeavor which has taken away much of the time I use to edit, print and publish the QTC. (At least you'll have some time - towards the end of December - to find a fellow member to take over!)

I will continue, however, to support the club in any way that I can.

*Your QTC Editor, Printer and Publisher...
Katherine Pearsall KC2ACJ*

60 YEARS AGO... the Suffolk County Radio Club was formed...

Happy birthday Suffolk County Radio club!!!!

The Oldest Amateur Radio Club on Long Island!

Be proud of it!!!

Scheduler

Place this scheduler in an area where it will remind you of the important meeting dates and times, important special events, and dates of interest.

Remember that the meetings will take place at the Bohemia Recreation Center, Ruzicka Way (off Smithtown Blvd.) In Bohemia, New York, promptly at 8pm.

OCTOBER 2007						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Friday s – SCRC Voice Net 8pm.

Friday – October 12th – HOLIDAY
Columbus Day

Sunday – October 28th – Daylight Savings
Time Ends – Fall Back

Wednesday – October 31st – Halloween

Tuesday – October 2nd – SCRC Board
Meeting

Tuesday – October 16th – SCRC General
Meeting

NOVEMBER 2007						
SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Friday s – SCRC Voice Net 8pm.

Tuesday – November 6th – ELECTION
DAY – Board Meeting QTH to be
announced

Sunday – November 11th – HOLIDAY –
Veteran s Day

Tuesday – November 20th – SCRC
General Meeting

Thursday – November 22nd – HOLIDAY –
Thanksgiving Day

DECEMBER 2007						
SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Friday s – SCRC Voice Net 8pm

Tuesday – December 4th – SCRC Board
Meeting

Friday – November 7th – Pearl Harbor Day

Tuesday – November 18th – SCRC
General Meeting

Saturday – December 22nd – Winter
Begins

Tuesday – December 25th – HOLIDAY –
Christmas Day

Tuesday – December 31st – New Year s
Eve

Mystery Sudoku

(With letters)

The object is to get all columns, rows, and each 3x3 box filled with the letters below – without duplicating any of them. In other words, in each 3x3 box would contain the following letters **ONLY ONCE**, while at the same time each row and each column would contain the following letters **ONLY ONCE**. When done correctly, each 3x3 box would have all the letters below in it; each row will have all the letters below in it; and each row will have all the letters below in it (and there will be **NO** duplication of letters)!

Some of the letters are placed to get you started. When you are done putting in the letters, there will be a hidden message in one of either the columns or the rows. It will be up to you to find it.

Use these letters **ONLY ONCE** in each row, each column, and each 3x3 box:

B E H I L P R S U

				P				
P	I				L	R		
	L				S			E
	R				U		H	
		B			I	S		
	P			B			U	
B				U			L	
			U	L			B	R
					R			

O	R	U	I	C	B	A	D	L
I	A	C	L	U	D	R	B	O
L	D	B	A	O	R	U	I	C
U	I	L	O	A	C	D	R	B
B	O	R	D	L	U	I	C	A
D	C	A	R	B	I	O	L	U
A	L	D	C	R	O	B	U	I
R	U	O	B	I	L	C	A	D
C	B	I	U	D	A	L	O	R

Here is the solution to the Summer Mystery Sudoku 2007.

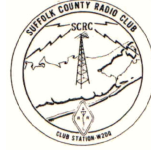
Were you able to find the Mystery Word(s)?

It s going vertically in the second column from the left.

It says: **RADIO CLUB.**

Suffolk County Radio Club Inc.

Membership Application



Today's Date: _____ ARRL MEMBER: Y N
 Call Sign : _____ Class : _____ Exp : ____ / ____ / ____
 Last Name: _____ First Name: _____

Address: _____
 City: _____ State: _____ Zip+4 _____ - _____

Phone #(____) - _____ - _____
 E-mail: _____ @ _____

Packet, Home BBS: _____

Spouse & Family Call Signs:

Are you a member of?
ARES _____
RACES _____
SKY WARN _____
MARS _____
RED CROSS _____

Occupation: _____

May we publish your info in our roster listing? Y N

Aspects of HAM RADIO you are active in:

HF	PSK31	TEACHING	R.C.
VHF	PACKET	ELMER	REPEATERS
UHF	SATELLITE	EQUIPMENT BUILDING	SIMPLEX
CW	COMPUTERS	FIELD DAY	OTHER
VOICE	CONTESTS	SPECIAL EVENTS	
RTTY	PUBLIC SERVICE	QRP	

Hobbies and interests: _____

Present Organizations memberships and Positions: _____

What skills or help do you bring to this club and activities: _____

MEMBERSHIP TYPE
 Full Member \$25
 Associate Member \$25
 Sustaining Member \$15
 Each Family Member \$10

Please make check or money order payable to:
 Suffolk County Radio Club
 ATTN: Steven Sipek KG4IKG
 86 Parkside Street
 Holbrook, New York 11741

FOR MEMBERSHIP COMMITTEE USE ONLY

Date Rcvd. ____ / ____ / ____ Date Entd: ____ / ____ / ____

President: _____ Mem Chr _____

Serial # _____ MEM TYPE _____ DUES Rcvd:\$ _____

The Suffolk County Radio Club holds general (regular) meetings the 3rd Tuesday of each month at 8pm in the Bohemia Recreation Center, Ruzicka Way (off Smithtown Ave.) In Bohemia.

All members are encourage to attend the Executive Meeting on the 1st Tuesday of the month, as well.

QTC, the official publicati on of the Suffolk County Radio Club, is mailed to members only.

Annual dues are \$25.00 (check with KC2LIN Tim, for the entire family), and due on the first day of December for the succeeding year.

Dues are payable to:

Suffolk County Radio Club

mail checks to:

Suffolk County Radio Club
Attn: Membership Director
86 Parkside Street
Holbrook, New York 11741

The Suffolk County Radio Club encourages ARRL membership.
Membership in the American Radio Relay League, includes the ARRL monthly edition of QST magazine. Dues for ARRL membership are \$39.00 per year in the US and possessions.
Members 65 or over, with proof of age pay \$36.00 per year, in the US.

Repeaters

145.210 W2DQ pl 110.9 Backup Repeater
145.210 W2DQ 4Z pl 136.5
224.680 W2DQ 4Z pl 103.5
446.625 W2DQ 2Z pl 110.9

SCRC Web-site

<http://www.members.tripod.com/~parasca/index/scrcreve.htm>
<http://scrc.freehomepage.com/aux2.html>

Also via a link on:

<http://www.scrc.freehomepage.com>

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