



THE PROPAGATOR

6 Donner St.
Holmdel, NJ 07733
Editor: Bob Buus, W2OD

MARCH 2011

UPCOMING GSARA MEETINGS

The next regular meeting of the GSARA will be held on **Wednesday, March 2 at 7:30 PM** at the **American Red Cross** in Tinton Falls. This will be a regular business meeting. Guests are welcome and refreshments will be served. Please try to attend.

In lieu of the second meeting in March, we are having our white elephant sale (see below).

WHITE ELEPHANT SALE MARCH 16

GSARA will hold its annual white elephant sale on Wednesday, March 16 from 7:30 to 9 pm at the Red Cross building. Members are asked to donate items they no longer want and these can be brought to any GSARA meeting prior to March 16. Access to the Red Cross building for sellers and donated equipment opens at 6:30 pm. Bidding on item selections starts at 7:30 PM and ends at 9 PM. Members can also put items they wish to sell on the club table and pay GSARA a 10% commission on anything sold. High end or valuable items will be auctioned on a written bid basis.

There will be refreshments and home made baked goods for sale. Mark your calendar now and plan to attend this free event. This is an excellent opportunity to get rid of your old junk and acquire some beautiful junk in return. For more information, contact Joe, W2KQ at 732-539-5875 or jdreifuss@optimum.net.

GSARA HOMEPAGE

<http://www.gardenstateara.org>

HUDSON DIVISION HOME PAGE

<http://www.hudson.arrl.org>

URGENT TO OPPOSE HR607

Please read information at the following link regarding HR607:

<http://www.arrl.org/news/arrl-asks-members-to-write-in-opposition-to-hr-607>

"ARRL is asking its members to contact their US representatives in opposition to the sections of HR 607 that could affect the Amateur Radio Service allocation at 420-440 MHz. HR 607 is a direct threat to our limited spectrum and the ARRL encourages all amateurs to appropriately voice their opposition to this bill."

A Sample Letter for addressing this matter is at: <http://www.arrl.org/sample-letters>

Letters **MUST** go to the ARRL representative in Washington (Chwat and Co), **NOT** directly to your local Representative in Congress. Due to how postal mail is now physically processed to Congress, post 9/11, delays in timely deliver, sometimes of months or more, can be incurred. The ARRL representative will hand deliver letters on this matter to the appropriate locations/people. Full Contact info for Chwat and Co is at:

<http://www.arrl.org/contacting-chwat-and-co>

Information is also available at: <http://www.hudson.arrl.org>

73, Joyce KA2ANF

W2GSA STATION OPEN SATURDAYS

The GSARA radio room at the Red Cross will be open Saturday afternoons for those wishing to operate or just "hang out". Go around the building to the back door for entrance. If there still is too much ice piled against the back door, use the usual front door. If you want to check to be sure that someone is there, call 732-493-9100 ext. 1252.

GSARA OFFICERS

President	W2XYZ	Frank Wroblewski	942-7705
Vice Pres.	W2HTS	Howard Suffill	460-1885
Secretary	W2OD	Bob Buus	946-8615
Treasurer	W2KQ	Joe Dreifuss	493-4236
Engineer	N2LXM	Jeff Harshman	922-0816
Webmaster	KC2TKK	Josh Gluck	
Publicity	NJ2H	Bill Shockley	207-4466
Trustees	KG2NV	Don Pingitore	229-2925
	W2OD	Bob Buus	946-8615
	W2HAM	Lou Russo	842-6431

PROPAGATOR AVAILABLE BY E-MAIL

Would you like to help the finances of GSARA and at the same time get your issue of *The Propagator* a few days earlier? You can get every issue e-mailed to your computer every month by simply giving your e-mail address to Josh Gluck, KC2TKK and request *The Propagator* electronically. Josh's e-mail address is <kc2tkk@gardenstateara.org>.

BADGES AND PATCHES

If you would like a GSARA name badge, you may order one by getting a Badge Order Form from our Secretary, **Bob Buus, W2OD**, filling it out and turning it in to Bob with your \$7.00 payment.

We also now have patches available at all meetings and they cost \$3.

OUTGOING QSL CARDS

If any GSARA members wish to combine their QSL cards that are going through the outgoing ARRL Bureau, please bring them to the next GSARA meeting along with the label from a recent QST Magazine (you must be an ARRL member to participate in this program). We then send them as a group at no charge to GSARA members. It couldn't be much easier than that to QSL. You are registered at the W2 incoming bureau, aren't you?

PROPAGATOR NOW ON THE WEB

The *Propagator* is available as a PDF file at:

<http://www.gardenstateara.org>

Click on "The Propagator" and then select the month you want.

EDITOR'S NOTES

Only three people responded to last month's puzzle with the LEDs but all three voted that the puzzles continue. No one said to discontinue them so I guess that most members just don't care one way or the other. Anyway, I decided to try something different this time with Morse code palindromes (see page 8). This one requires no electrical knowledge and you don't even have to know the Morse code as long as you can find a copy of it someplace. I look forward to seeing how many words you can come up with.

The New Providence Amateur Radio Club has an interesting guest speaker at the March 14 meeting. He is Harold Cramer, WJ1B, Chief Operating Officer of the ARRL and Publisher of QST. He will talk about Morse code and show his collection of telegraph keys. The talk is in New Providence and further information can be found at <http://nparc.org/index.html>.

With Frank Fallon, N2FF stepping down as Hudson division Director (see p. 5), we extend our best wishes to Joyce Birmingham, KA2ANF in stepping up to the Director position and to Bill Hudzik, W2UDT in taking over as Vice Director (see p. 4). This gives New Jersey much stronger representation in the Division.

I look forward to seeing a good turnout at our White Elephant sale on Wednesday, March 16 (see p. 1). There should be a lot of interesting things for sale. It also doesn't hurt to see GSARA pick up a few dollars from this event.

If you are interested in obtaining a gardenstateara.org email address which will give you webmail and POP3/SMTP access, please send an email to Josh at kc2tkk@gardenstateara.org with your First Name, Last Name, and Call Sign. Your email address call_sign@gardenstateara.org will be created and the login information sent back to the email address your request came from.

Remember if you change your e-mail address; please be sure to inform Josh Gluck, KC2TKK.

As always, I appreciate feedback or material for *The Propagator*. The deadline for the March issue is April 15.

73 de Bob, w2od@arrl.net

MINUTES OF FEBRUARY 2 MEETING

By Bob Buus, W2OD, Secretary

President Frank Wroblewski, W2XYZ was absent so the meeting was called to order by vice president Howard, W2HTS at the Red Cross at 7:45 PM. There were 9 members present. After the pledge to the flag, all members introduced themselves.

Silent Key

A moment of silence was observed for silent key Bob McKinley, W2OMR. Bob was a charter member of the MCRA and served as its treasurer for more than 30 years. He died on January 26 at the age of 90.

Secretary's Report

A motion was made by Joe, W2KQ and seconded by Ralph, KC2YNL to accept the minutes of the January meetings as published in the February Propagator. The motion was accepted unanimously.

A bill was received from Marsh Insurance notifying that our equipment insurance must be renewed.

Treasurer's Report

Treasurer Joe, W2KQ presented the treasurer's report. A motion was made by Ralph, KC2YNL and seconded by Bill, NJ2H to accept the report. It was accepted unanimously.

Old Business

Our white elephant sale is scheduled for Wednesday, March 16, 2011. We are asked to set aside potential donations for this sale. A table (or tables) will be available to members of GSARA to sell their goodies with a 10% commission to be paid to GSARA. A publicity flyer was made by Joe, W2KQ and e-mailed to all members who are encouraged to publicize the event.

We are waiting for approval from Maecom to have the Hamfest on Saturday, May 7 in their parking lot. The NADXA has agreed to help out.

Show and Tell

Bob, W2OD brought a battery operated "black box" that solved the puzzle in the February Propagator. He will open the box at the next meeting to show how it was done.

Program

Bill, NJ2H gave an interesting talk about how he wired in an emergency generator through a transfer switch to provide back-up power for part of his house. He invited anyone interested to make arrangements with him to come to his house to see the installation.

Closing

The door prize of \$7 was won by Bill, NJ2H. There being no further business, a motion was made by Bill, NJ2H and seconded by Ralph, KC2YNL to close the meeting. The motion was accepted unanimously and the meeting adjourned at 8:54 PM.

MINUTES OF FEBRUARY 16 MEETING

By Bob Buus, W2OD, Secretary

President Frank Wroblewski, W2XYZ was absent as was vice president Howard, W2HTS so the meeting was called to order by Secretary Bob, W2OD at the Red Cross at 7:36 PM. There were 9 members and one guest present. The guest was Jeff Lambert, KC2ZDK from Brick. After the pledge to the flag, all members introduced themselves.

Silent Keys

Former GSARA member Bill Maier, N2UJJ died on January 24 at the age of 83. Bob McKinley, W2OMR died on January 26 at the age of 90. He was a charter member of the MCRA. Former president Walt Werner, W2TT lost his wife, June, on February 11. She was 90. A moment of silence was observed for all of these. May they rest in peace.

Minutes

A motion was made by Jeff, N2LXM and seconded by Joe, W2KQ to waive the reading of the minutes of the last meeting which will be published in the next Propagator. The motion passed unanimously.

Old Business

The GSARA White Elephant sale is scheduled for Wednesday, March 16. Joe, W2KQ asked the members to gather items they would like to get rid of and bring them to the next meeting. Joe also announced that home-baked goods will be available at the sale. Help will be needed in setting up for the sale just before March 16.

The GSARA and NADXA will be holding a Hamfest on Saturday, May 7 at the MAECOM parking lot (same as the past two years). It has been registered with the ARRL and it will include a VE session. Help from GSARA members will be needed that day.

Program

Before giving the program about RF safety, Bob, W2OD presented the solutions to the "black box" puzzle that was in the February Propagator. He also brought 3 "black boxes" that he built showing three of the many possible solutions.

Bob then presented the program on RF safety. We all have to certify that we are familiar with the RF safety requirements of the FCC every time we renew our license. This program was a review of what those requirements are and how to comply with them. Bob has written a program, called rfsafety.exe that aids in evaluating your station for compliance. He demonstrated the use of the program and offered to give it to anyone who is interested in playing with it.

Announcements

Bill, NJ2H asked if anyone could recommend a simple logging program. A program called "Microlog" was recommended by several members.

OMARC is planning a tailgate Hamfest at the Diana site in Wall on Saturday, April 16.

Closing

The door prize of \$8 was won by Bob, W2OD. There being no further business, a motion was made by Jeff, N2LXM and seconded by Bill, NJ2H to close the meeting. By unanimous vote, the meeting adjourned at 9:09 PM.

NEW HUDSON VICE DIRECTOR

After review of eligibility by the ARRL Ethics and Elections Committee, President Kay Craigie, N3KN, has appointed William W. Hudzik, W2UDT, of Gillette, New Jersey, to serve as Vice Director of the ARRL's Hudson Division for the remainder of the current term that expires January 1, 2013. Hudzik fills the vacancy created when Frank Fallon, N2FF, retired from the ARRL Board of Directors after more than 14 years of service and his Vice Director, Joyce Birmingham, KA2ANF, assumed the Director position. Read more here.

From *The ARRL Letter*, February 3, 2011

BILL MAIER, N2UJJ - SK

William E. Maier, 83, of Middletown, died Monday, Jan. 24, 2011, at his home, surrounded by his family. He was born in Ridgewood, N.Y. and moved to the Shore area in 1948. He was employed by the American Broadcasting Company, New York City, for 24 years before retiring in 1993 as Director, Technical Maintenance. Mr. Maier was awarded 1979-1980 Sports Emmy for Outstanding Individual Technical Achievement for his work at the 1980 Winter Olympics held at Lake Placid, N.Y. Mr. Maier was a member of the Monmouth Council, Boy Scouts of America for 48 years. He was the Scoutmaster of Troop 140, Fairview, a member of the Twin Lights District Committee and Commissioner Staff, and a Campmaster at the Quail Hill Scout Reservation. He received the Wood Badge and was a Vigil Member of the Order of the Arrow. He was an Army veteran of World War II and the Korean War, and a member of the American Legion and the VFW. Mr. Maier was also a member of the Garden State Amateur Radio Club, N2UJJ. He was a communicant of St. Anthony of Padua Church, Red Bank, where he was a Parish Trustee and member of its Parish Pastoral Council.

He was predeceased by his wife of 49 years, Gloria Chiaravalloti Maier. Surviving are a son, William Jr. of Jacksonville, Fla.; son, Michael and his wife Eileen of Red Bank; and two grandchildren, Michael Jr. and Emily Kaye.

A Mass of Christian Burial was celebrated on Saturday, Jan. 29 at St. Anthony's Church. Entombment followed at Fairview Cemetery, Middletown. In lieu of flowers, memorial donations may be made in William's name to "St. Anthony of Padua Church, Red Bank.

WELCOME NEW MEMBER

Please welcome Bob Roman, N2DR from Red Bank back to GSARA. Licensed since 1959, he holds an Extra class license and is active on most bands and modes. He particularly likes rag chewing and DX. He is an electronics technician and can fix most amateur gear. He was very active in GSARA activities in past years. Welcome back, Bob!

BOB MC KINLEY, W2OMR - SK

Robert McKinley, Jr., W2OMR passed away Wednesday, Jan. 26, 2011. Bob was born in W. Philadelphia, Pa. on March 18, 1920. He graduated from University of Penn in 1941, with a degree in Electrical Engineering. After working three years for the U.S. Navy Dept. he transferred to the U.S. Army Signal Corps at Ft. Monmouth and retired after 28 years of service. Bob served as Asst. Scoutmaster for the Tinton Falls Boy Scout Troop #100 and formed the Jersey Shore Computer User Group. His favorite hobby was 'ham' radio which started when he obtained his Amateur Radio license after building his first radio when he was 14 years old. He was a Charter Member of the Monmouth County Repeater Assn., (MCRA) serving as Treasurer for more than 30 years and volunteered implementing the use of hand-held radio communication in the Tinton Falls Office of Emergency Management.

Surviving are his wife, Carolyn (Kay); his sons, Robert T. McKinley, Washington, D.C. and James N. McKinley, D.V.M., Hillsborough, NJ; a granddaughter; two grandsons; and several nieces and nephews.

With respect to Bobs' wishes, there was no viewing and arrangements were private.

JUNE WERNER, XYL W2TT - SK

June E. Diefenderfer Werner died Friday, Feb. 11, 2011, at the age of 90. Having been born in Milwaukee Wis., she is survived by her husband, Walter C. Werner, W2TT of 64 years who was past president of GSARA. Also surviving are six children, John C. Werner, James P. Werner, Constance L. Blackwood, Linda S. Werner, Elizabeth A. McKeivitt, and Patricia A. Hinze and their partners; and nine grandchildren.

She received her BS Degree from the University of Wisconsin and spent 2 1/2 years in the U.S. Navy as a control tower operator during World War II. A charter member of Luther Memorial Church, she served in many capacities.

A funeral service was held on Saturday, Feb. 12 at Luther Memorial Church in Tinton Falls. In lieu of flowers, donations may be made to Luther Memorial Christian Preschool, 818 Tinton Ave., Tinton Falls, NJ 07724.

FRANK FALLON, N2FF RETIRES

After more than 14 years as the ARRL Hudson Division Director, Frank Fallon, N2FF, announced his retirement from the Board at the conclusion of the 2011 Annual Meeting of the ARRL Board of Directors. Per the ARRL's Articles of Association, Hudson Division Vice Director Joyce Birmingham, KA2ANF, immediately moved up to the Director position to fill the remainder of Fallon's unexpired three year term, which runs through December 2012. In the coming days, ARRL President Kay Craigie, N3KN, will appoint a new Vice Director to fill Birmingham's unexpired three year term, also running through December 2012. Read more here.

From *The ARRL Letter*, January 27, 2011

9X0SP APPROVED FOR DXCC

ARRL DXCC Manager Bill Moore, NC1L, reports that the 9X0SP 2010 DXpedition to Rwanda has been approved for DXCC credit. "If you had cards that were recently rejected for this operation, please send an e-mail to the ARRL DXCC Desk," Moore said. "Please note that due to extremely heavy e-mail, DXCC staff may not respond to your message. Once your record is updated, results will appear in Logbook of The World (LoTW) accounts or in the live, daily DXCC Standings."

From *The ARRL Letter*, February 10, 2011

2011 FIELD DAY PACKETS AVAILABLE

It's that time of year again -- time to start gearing up for ARRL Field Day, June 25-26, 2011! ARRL's flagship operating event -- always held the fourth full weekend in June -- brings together new and experienced hams for 24 hours of operating fun. Field Day packets are now available for download and include the complete rules (including a change for 2011), as well as other reference items such as forms, ARRL Section abbreviation list, entry submission instructions, a Frequently Asked Questions section, guidelines for getting bonus points, instructions for GOTA stations and a kit to publicize your event with the local press. Read more here.

From *The ARRL Letter*, February 17, 2011

AREA AMATEUR EXAM SESSIONS

Amateur radio exam sessions in this area are as follows but please contact the responsible person to be sure that the time and date are accurate.

Wall Township, Camp Evans Area on Marconi Road: Exams are held on the first Saturday of the even numbered months (April 2, 2011) at 10 AM. The contact person is Pat Brannick, N2BZD at 732-267-0308 or e-mail to pbrannick@aol.com.

Middletown, Croyden Hall on Leonardo Road: Exams are on the second Tuesday of every month at 7 PM. The contact person is Mario Sellitti, N2PVP 732-787-7184 or e-mail to n2pvp@n2pvp.com.

Toms River, Riverview Park Recreation Building: Exams are held on the third Thursday of every month at 7:30 PM. The contact person is Ed Genoino, WA2NDA at 609-971-2792 or e-mail to wa2nda@aol.com.

Toms River, Holiday City South Clubhouse, Meeting Room #1, Mule Road at the corner of Santiago Drive on the second Saturday of the odd numbered months (March 12, 2011) at 10 AM and on the second Wednesday of the even numbered months (April 13, 2011) at 7 PM. The contact person is Larry Puccio, K2QDY, 732-349-2950 or lpuccio1@comcast.net.

In all cases, the fee is \$15 and you should bring the original and a copy of any amateur license presently held and original and one copy of any credit (CSCE) forms you have. Also bring 2 forms of ID with one being a picture ID.

GOODIES FREE FOR THE TAKING

George West, WA2MNV is moving from his house in Monmouth Beach and is giving away the following:

20 foot tower with vertical antenna on top. Looks to be in pretty good shape (no visible rust) and comes apart in 10-foot sections.

4-band Hustler vertical antenna

Large (executive type) **wooden desk** that can be taken apart into two pedestals with drawers and a large top.

If you are interested in any of this, contact George or his wife at 732-222-0176.

TEN YEARS AGO

The March 2001 Propagator reported the following: The Jersey Coast DX Association has been formed by Mike, KC2Q and meets on the fourth Wednesday of each month at Ft. Monmouth. The Propagator is now available on the web thanks to the efforts of Bruce, K2QXW. Laura Clanton, N2HGI joined GSARA at the February 7, 2001 meeting. A list of equipment available from the Phil Petersen, W2DME – SK estate was listed.

FIFTEEN YEARS AGO

From the March 1996 Propagator: The March 20, 1996 meeting featured Rich Krohn, N2SMV talking about packet radio. President Joe, W2KQ (then WA2GSY) resigned as president of GSARA to accept a job in California. Vice president Laurie Korkowski, N2XWA took over as president. Tony, KA2ZSI was voted in as a member. Paul, N2ZZP passed his 13 WPM code test and is now a General. Denny's restaurant near the Ft. Monmouth entrance closed, thus ending the Friday lunches there for over 10 years. A new magazine, CQ VHF was launched and reviewed by Bob, W2OD.

TWENTY FIVE YEARS AGO

From the March 1986 Propagator edited by John King, KA2F: Featured speaker for the March 5, 1986 meeting was Vince Rosati, KE2V talking about quartz crystals. Phil Petersen, W2DME – SK starts his radio programs on WADB-FM on March 3, 4, and 5, 1986. It was noted that the ARRL Charter for GSARA (brought to the meeting by Mike Begala, K2CTJ – SK) was dated January 22, 1951 which is the official birthday of GSARA (we turned 60 last January – Ed.).

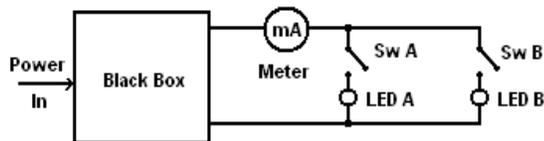
ROSTER ADDITION

Please add to your GSARA Roster:

N2DR, Bob Roman
28 Catherine Ave.
Red Bank, NJ 07701
732-758-9151
rroman@att.com

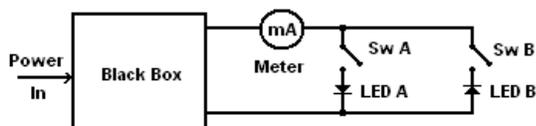
ANSWER TO LAST MONTH'S PUZZLE

You are given a black box with two terminals on it. You connect a milliamp meter and two switches and two LEDs to the black box terminals as follows:



When switch A is closed, LED A lights and the meter indicates 10 mA (no surprise there). Then, when switch B is closed, LED A, of course remains lit at its normal brightness and LED B also lights with the same brightness as LED A. But now the meter reads zero current! What is in the black box? Hint: what does LED stand for?

There are several solutions. First of all, realize that LED stands for Light Emitting **Diode** which conducts current in only one direction. A more accurate representation of the circuit is as follows:



Here the LEDs are shown as diodes so when Sw A is closed, LED A will light whenever the upper output terminal is positive with respect to the lower output terminal and the meter will read the average current. With a symmetrical AC current coming out of the black box, the LED A will be lit approximately half the time with an average of 20 mA flowing through it and (when the polarity is reversed) with no current flowing through it during the other half cycle. When Sw B is closed, LED B will light during the half cycles that LED A is off. The current through the meter will alternate with an average of 20 mA in one direction for a half cycle and an average of 20 mA in the other direction for the alternate half cycle. Thus, if the frequency is high enough (above about 30 Hz), the meter will not be able to keep up with the alternations and will read zero.

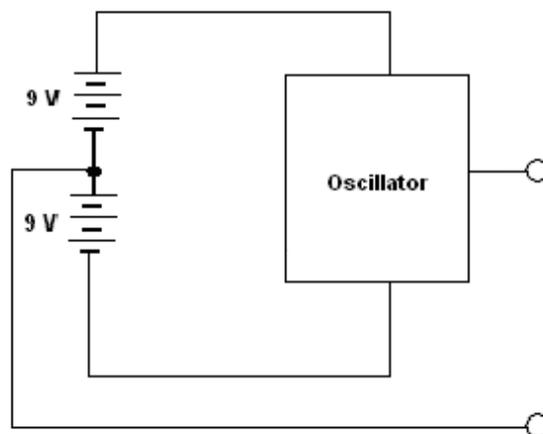
The simplest solution, submitted by Matt, W2AOJ, is to supply the input to the black box with low-voltage ac at the power input. Then the black box need only contain a series resistor to limit the LED current so the meter reads 10 mA when Sw A is closed.

If the power input to the black box is higher voltage ac (like 120 volts), then this voltage must be stepped down to a low enough value so that the reverse voltage on the LEDs does not exceed their rating (some LEDs can only tolerate 10-20 volts in the reverse direction.) That implementation would look as follows:

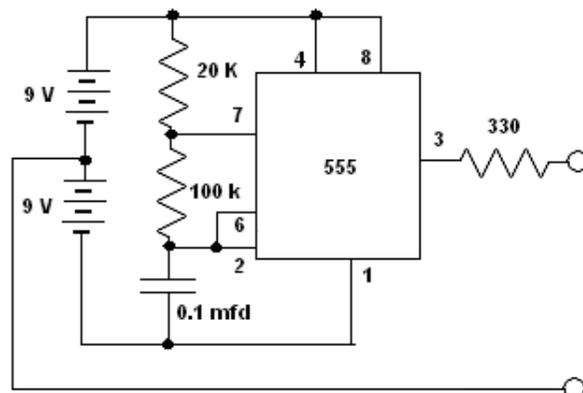


Frank, W2XYZ and Vince, KE2V each came up with the above solution.

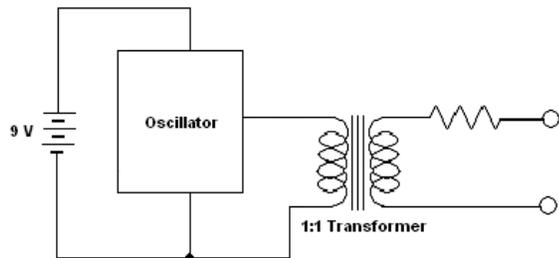
Another possible solution using two batteries to power the black box is as shown:



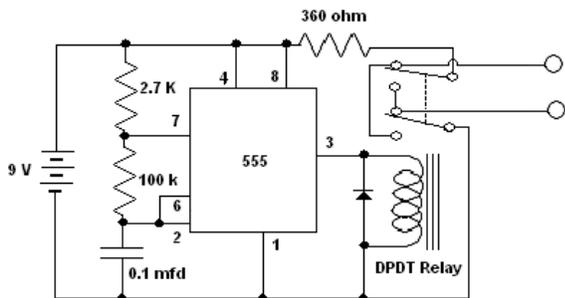
The oscillator could be made with an op-amp (suggested by Vince, KE2V) or a multivibrator such as a 555 timer (suggested by Frank, W2XYZ). My particular implementation using a 555 is as follows:



Implementation with only a single battery is also possible. One way is to use a transformer as follows:



This solution was suggested by Matt, W2AOJ using a Royce oscillator where the transformer is part of the oscillator circuit. Instead of an oscillator, I used a chopper (a DPDT relay) as follows:



You can see that there are many solutions possible. The fundamental point is that the LEDs be powered by AC.

CORRECTION TO PUZZLE WINNERS

In the last Propagator, I neglected to include Arek Tarniowy, AC2FC as one of the winners in solving the ladder network puzzle. As a matter of fact, Arek was the first to submit the correct solution to that puzzle.

NOTES ON CALENDAR (see last page)

All times are EST prior to March 13 and EDST after March 12. Contests are listed in the March QST, p. 86.

March 1 – **Middletown Pancake House Luncheon** at noon at left rear table. All are welcome.

March 1 – **Monmouth Amateur Radio Club meeting** at 7 pm in Union Beach Police Annex (Municipal Building) on Poole Avenue.

March 1 – **Old Barney ARC Meeting**, 7:30 pm at Ocean Acres Community Center in Manahawkin, NJ. See <http://www.obarc.org>

March 1 and every following Tuesday – **QCWA News Net** on 147.045 PL=67 at 9:00 pm.

March 2 – **GSARA Meeting** at 7:30 PM at the Red Cross, West Park Ave. and Shafto Road in Tinton Falls.

PUZZLE #4 – CW PALINDROMES

As you probably know, a palindrome is a word or set of words that reads the same forward or backward. For example, the name “OTTO” is a palindrome. It dawned on me that “OTTO” is also a palindrome when sent in Morse code. However, not all English palindromes are also Morse code palindromes. For example, “MADAM” is a palindrome when spelled backwards but when sent backwards in Morse code it becomes “MNUNM” which is not the same. Conversely, some non-palindromic words such as “AN” are palindromic in Morse code.

English palindromes usually allow the spacing to be different in each direction. For example, “MADAM IM ADAM” is considered a palindrome even though the spacing between words is different in the reverse direction. We could also ignore the spacing between Morse code characters and open up a lot of Morse code palindromes but to limit the number of Morse code palindromes, I’m going to arbitrarily rule that the spacing of the Morse characters be preserved in the reverse direction. Thus, the word “TEST” is a Morse palindrome if we ignore the spacing but is not a Morse palindrome if spacing is preserved.

So, the challenge this month is to find as many Morse code palindromes as you can. They can be single words or strings of two or more words. In keeping with the amateur radio spirit, we will allow abbreviations and numbers as well as complete words to be considered. Let’s not include call signs since there are so many of them. You already have OTTO and AN. How many more can you find? I’ll list in the next Propagator all of the Morse palindromes submitted with credit given to the first person submitting each one so send your submissions ASAP for maximum credit.

- March 3 - **Holiday City ARC meeting** at 7 pm at Holiday City South Clubhouse in Toms River.
- March 4 - **WIAW Qualifying Run** at 7 pm (10-40 wpm). See March QST, p. 86 or www.arrl.org/w1aw
- March 4-6 - **ARRL International Phone DX Contest** from 7 pm Friday to 7 pm Sunday. See <http://www.arrl.org/contests>
- March 6 and every Sunday - **InfoAge Marconi Hotel** open from 1 to 5 pm on Marconi Road in Wall. Exhibits by QCWA, OMARC, Antique Radio, Broadcaster's Hall of Fame, etc. \$5 donation requested.
- March 7 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.
- March 8 - **VE Test Session** at Croyden Hall, Leonardo section of Middletown at 7:00 pm. For more information, contact Mario Sellitti, N2PVP at 732-787-7184 or n2pvp@n2pvp.com
- March 10 - **Jersey Shore Amateur Radio Society (JSARS)** meeting in Riverview Park Recreation Building, Rt. 527 and Riverwood Drive in Toms River at 7:30 pm.
- March 12 - **OMARC Meeting**, 9:00 am at the Diana Site on Marconi Road, Wall, NJ. Guests are welcome.
- March 12 - **Holiday City VE Session** at 10 am in Toms River. Contact is Larry Puccio, K2QDY at 732-349-2950 or e-mail at lpuccio1@comcast.net
- March 12 - **North American RTTY Sprint** from 7 pm to 11 pm. See <http://www.ncjweb.com>
- March 14 - **NPARC has Harold Kramer, WJ2B** showing his collection of telegraph keys and talking about the history of the Morse code at 7:30 pm in New Providence.
- March 14 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.
- March 15 - **WIAW Qualifying Run** at 4 pm (10-35 wpm). See March QST, p. 86 or www.arrl.org/w1aw
- March 16 - **GSARA White Elephant Sale** at 7:30 pm at the Red Cross in Tinton Falls. Everyone welcome.
- March 17 - **JSARS VE Test Session** at 7:30 pm Riverview Park Recreation Bldg., Rt. 527 and Riverwood Drive in Toms River. Contact Ed Genoino, WA2NDA at 609-971-2792 or wa2nda@comcast.net.
- March 19 - **Cherryville Hamfest** at 8 am at the North Hunterton Regional High School, Rt. 31 South, Annandale, NJ.
- March 19 - **Skywarn Class** at 9:30 am at the Cherryville Hamfest in Annadale, NJ. See <http://www.erh.noaa.gov/er/phi/skywarn/training.html#sked>
- March 21 - **Monmouth County ARES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.
- March 25-27 - **CQ WPX SSB Contest** from 8 pm Friday to 8 pm Sunday. See <http://www.cqwp.com>
- March 26 - **Neptune Amateur Radio Club Meeting** at 9 am at the American Legion on Gully Road.
- March 28 - **Monmouth County RACES Net** meets on 147.045 +600, PL=67.0 at 7:30 pm.

2011 DUES ARE PAST DUE!

If you have not yet paid your dues for 2011 (see mailing label on last page), do it now or your GSARA membership will be dropped and this is the last *Propagator* you will receive. Please pay our treasurer **Joe Dreifuss, W2KQ**. Regular membership is \$15, family membership is \$25, students are \$7.50 and active Military personnel pay no fee (but submit form to show continued interest in belonging). If you wish to have a paper copy of *The Propagator* mailed to you, add \$5 and check this box:

NAME _____ CALL _____

wishes to continue membership in GSARA for 2011. Payment of \$ _____ is enclosed.

Make checks payable to GSARA and mail or give to:
Joe Dreifuss, W2KQ
6 Fredric Drive
Ocean, NJ 07712

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 Pancake House MARC Mtg 7 PM Old Barney ARC QCWA News 9 PM	2 GSARA Mtg	3 Hol. City Mtg.	4 ARRL DX SSB CW Qual. Run	5 ARRL DX SSB
6 ARRL DX SSB InfoAge	7 ARES/RACES 7:30	8 Croyden VE 7 PM QCWA News 9 PM	9	10 JSARS Mtg.	11	12 OMARC Mtg Hol. City VE RTTY Sprint
13 InfoAge	14 NPARC RACES Net 7:30	15 CW Qual. Run QCWA News 9 PM	16 White Elephant	17 JSARS VE	18	19 Charryville Skywarn
20 InfoAge	21 ARES/RACES 7:30	22 QCWA News 9 PM	23	24	25 CQ WPX SSB	26 Neptune Mtg CQ WPX SSB
27 CQ WPX SSB InfoAge	28 RACES Net 7:30	29	30	31		



G.S.A.R.A.
8 DONNER STREET
HOLMDEL, NJ 07733

FIRST CLASS