



Before



After

Short CIRCUITS

February
2020

SERVING CENTRAL ILLINOIS AMATEUR RADIO SINCE 1921

IN THIS ISSUE

From The President

by Rick Suhadolc N9CKL

I want to remind everyone that this meetings program we are having Dennis Mills KE9UA provide us a program on rejuvenating older Radio Equipment.

Something that I have been interested in for a number of years. Dennis has always been an avid repair man of ham equipment. I have marveled at his posts on the wire of turning boat anchors into Like New Radios.

It reminds me of years past going to Allied Radio on Western Avenue in Chicago,

and wishing for Drakes and Swan Twins for sale on the used Radio shelves.

The glow of tubes and the smell of ozone in the air from those air plate capacitors. Those were the days.

Rick
N9CKL

Parasitic Suppressors

Article by Dennis Mills KE9UA



CW Key Collecting

Article by Ed Deutch KC9GF



Parasitic Suppressors

Article by Dennis Mills KE9UA

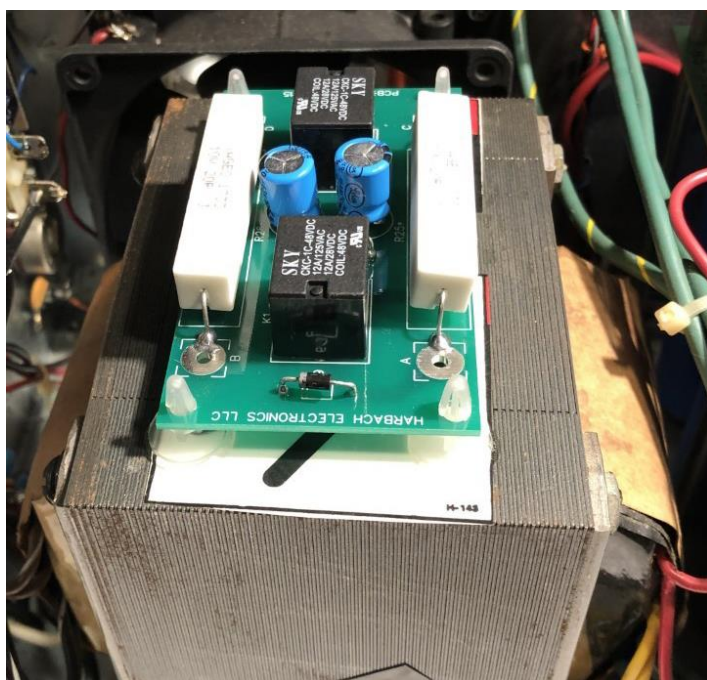
Today let's talk about something called "Parasitic Suppressors" and what are they used for.



Included is a few photos of WB9EDL's Heathkit SB-1000 amplifier that I rebuilt the HV power supply and also installed a Harbath "soft start delay circuit board" plus the most important modification to this amp was the replacement of the original Heathkit parasitic suppressor. Here are a few photos of Jim's Heathkit SB-1000 amp that uses a single 3-500Z output tube.



I included Jim's original tube (EIMAC 3-500Z) and the Taylor tube he found at Collinsville's Windterfest hamfest that is now in his amp. The before the parasitic Heathkit suppressor and the new F1BXL Anton's parasitic suppressor photos are shown too. The pdf's (three of them) are attached to this email. Download and save them if you want to learn and understand about this important item in EVERY transmitter as well as EVERY amplifier! Not having the right one in your amp could cost you dearly! The newer SS amps are designed with the proper suppressors and no worries there. Tube amps are another story! Jim will now be louder on the nets he signs in to and just have to worry about opening his garage door and smoke alarms going off!



By the way.....the Ameritron AL-80 amp and the Heathkit SB-1000 amp are twins and seems like Ameritron may have copied a great invention made by Heathkit years way before Ameritron came along.



CW Key Collecting

Article by Ed Deutch KC9GF

I was asked how I got started collecting CW keys. My answer was "I'm not sure". Giving some thought to the question this is what I came up with. My interest must have started when I was novice. My novice key was an explosion proof CTE-26003A Navy straight key. With the chrome plated steel base, which I made, weighed in at 6.66 lbs. That won't move on my desk! At a ham fest I saw a key, that wasn't too pricy, so I couldn't pass up. Why? I don't really know, I just wanted it. That kept happening until I realized I had become a collector. At what point does that happen?



Going to ham fests was and is my main source for keys. But they have come from other sources. Some were local, thanks to some local hams, and some from internet auction sights. I always start out telling myself I'm not interested in any more keys. But something always comes along I just can't pass up.



Before

After

To date I have 73 keys ranging from the very basic \$12.95 key to a Begali Stradivarius. I don't look for any particular type or brand just what might come along. Here's a quick list of what's in my collection. 15 different Vibroplex, 2 Bencher iambic, 2 MFJ, 1 Begali, 1 Navy (my novice key), 1 Chinese, 1 WWII Japanese, 4 WWII German, 2 Russian (one is a special force key made Ukraine), US J-37, 38, 43, 44, 45, JJ-37, US CTE 26003A Navy, 1 US Army Signal Crop J5A, 2 Wm. M. Nye, 1 Remler Co. Ltd. CRL 26012, 2 Himound, 5 British WWII and an H. Tinsley & Co. straight key – London.



Before

After

Also in the collection are some low end children straight keys. A couple of them have a battery powered buzzer. Oh, and I have a sounder that could be a Signal Electric Sounder (1920's) or a Japanese sounder (1950's), (Thanks Grant AA9LC). I have 2 keys

that the lever arm are hack saw blades, one of which I made. The other was one of about 200 made in Sweden by Firma Kungsimport.



Some of the keys I acquired were in pretty bad shape. I show some before and after restoration.

Also as part of my collection I have a few keyers, all but one are with paddles. I have 2 Heathkit, a Ten-Tec, Ramsey Kit, Wm. M. Nye and 2 Pico Keyer kits. Of course there are keyer circuits in the FT-1000 and Flex 1500.

Last December our grandson and I drove to our son's house in Spring, Texas. Cristina doesn't particularly enjoy a long road trip so she stayed behind. Usually she doesn't bother any of my ham things. But, this time she couldn't help herself. She wanted to surprise me and organize my key collection. The guys at the DQ coffee clutch helped her with some ideas. When I got home from our trip she couldn't wait to show me what she did. She cleaned off the dresser and put some shelves up to display my collection. I was impressed: the shelves were straight and level! You can see her handiwork in the picture.

I could go on but this is a newsletter and not a book. Last thing I want to do is thank the local guys who helped with building my collection. Thanks to: Dennis, KE9UA, Tom, KJ9P, Jim, K9GRO, Barry, W8SM/SK, Grant, AA9LC, Larry, KB9NPH, and Stephan a friend in Germany. Muchos Gracias!

Here are a couple very good web sites to look up and learn about Morse code keys:

<http://www.telegraphkeys.com/index.html>

<http://www.navy-radio.com/xmtr-key.htm>

Ed, KC9GF
February 21, 2020

AREA NETS

Tuesday 8:30 P.M. 28.450
CIRC Open 10 meter Net

Tuesday 9:00 P.M. 146.940 (103.5PL)
CIRC Open Net

Thursday 8:00 P.M. 28.450
Vertical polarization is encouraged but not required

Sunday 08:15 A.M. 1.915
Open 160 meter AM net

If you are wondering where all the nets are, it was brought to my attention that many of these are no longer in operation. I have left the ones the CIRC handles directly.

If you want another net listed, please send me an email directly and please verify it is a current net and I will add it to the list.

Jeff KC9QQM

Kc9qqm@gmail.com

AREA EXAM DATES

Following is the schedule for W5YI-VEC Amateur Radio exams for the year 2018. At the Community Room of the Bloomington Public Library located at the intersection of E. Olive St. and S. East ST. Entrance off of S. East St.

Please bring two forms of identification. You must have an FCC issued FCC Registration Number (FRN) or Social Security Number. We cannot administer a test without your FRN or SSN. You will need a copy of your Current license plus any CSCE you want to apply.

2020 dates;

1/25 1-3pm 3/7 1-3pm 5/25 7/18 11/4

Exams' in Morton are held at the Morton Public Library, 315 West Pershing at 12:00 Noon the third Saturday of even numbered months and. Sep 21 (Superfest),

CIRC Meeting
Fourth Wednesdays of the month at 7:00 p.m. at the
American Red Cross
1 Westport Dr.
Bloomington, IL 61704

Calendar of Events

Daily Coffee Klatch Monday thru Friday
9:00 a.m. at Dairy Queen Veterans at Cub's
XYL's Join the OM's Monday and Friday

Weekly 10 Meter Net
Every Tuesday evening at 28.450 MHz- at 8:30 p.m.

Weekly 2 Meter Net
Every Tuesday evening on the 146.940-repeater at 9:00 p.m.

Weekly 6 Meter Net
Every Thursday evening at 50.135 MHz at 7:00 P.M.

Weekly 160 Meter AM Net
Every Sunday morning at 1.915 MHz at 8:15 A.M.

CENTRAL ILLINOIS RADIO CLUB
P.O. BOX 993 BLOOMINGTON, IL 61702-0993

WEB PAGE

[HTTP://WWW.QL.NET/W9AML/](http://www.ql.net/w9aml/)

*President: Rick Suhadolc
(N9CKL)*

Vice-President: John Payne (AC9TN)

*Secretary: Keith Hanson
(AC9S)*

*Treasurer: Greg Kellermen
(KC9WVR)*

*Member at large: Grant Zehr
(AA9LC)*

Newsletter Editor: Jeff Lovell (KC9QQM)

The CIRC is a not-for-profit ARRL special service club whose purpose is to advance the service of Amateur Radio. Located in Central Illinois, the CIRC and its members welcome all to use the 146.94 repeater and to attend club meetings.

Permission is granted to Amateur Radio-related organizations to reproduce contents of Short CIRCUITS provided full credit is given.

Short CIRCuits

P.O. Box 993
Bloomington, IL 61702