

DRIP POINTS

MAGAZINE FOR INSULATOR COLLECTORS

DECEMBER 2021 • VOL. 49, No. 6



Merry Christmas & Happy Holidays from the NIA



**THREADLESS INSULATORS WANTED FOR MY COLLECTION
& RESEARCH. WILL PAY TOP DOLLAR!**

COLLECTING INSULATORS SINCE 1967! I AM OLD.

DARIO DIMARE

**318 MAIN STREET, NORTHBOROUGH, MA 01532
617-306-2420 DARIO@DARIODESIGNS.COM**

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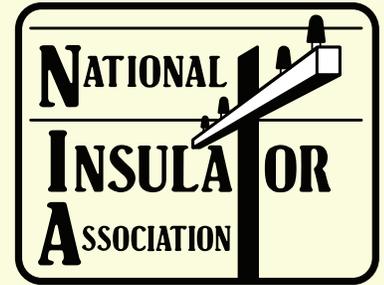
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🏠 About the Cover *🏠*

Hemingray Blue 42's — these are the "1"s to look for! This issue's cover features a grouping of CD 154 Hemingray 42's with a "1" on the dome. Lee Brewer and Allan Peck have teamed up to study these interesting variants; read all about it on pages 16-22.

Would you like to have your photo or artwork featured on the cover of Drip Points Magazine? Contact the Editors at drippoints@nia.org.



Established in 1973, the National Insulator Association is a 501(c)(3) charitable nonprofit organization. Visit us on the web at www.nia.org.

About Drip Points Magazine

Drip Points Magazine is published bi-monthly to all active members of the National Insulator Association.

To purchase ad space or submit content, please email drippoints@nia.org, call (406) 461-7341, or write to: Christian Willis, P.O. Box 2797, Parker, CO 80134.

Publishing Schedule

Issue	#	Deadline	Mailing
February	1	Jan. 10	Feb. 1
April	2	Mar. 10	Apr. 1
June	3	May 10	Jun. 1
August	4	Jul. 10	Aug. 1
October	5	Sep. 10	Oct. 1
December	6	Nov. 10	Dec. 1

What's in a Name?

"Drip Points" is named after the feature seen on many insulators produced from the 1890s through the 1950s. Drip points are the bumpy protrusions around the base of an insulator. Their purpose was to help draw water off of the insulator.

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WANTED

My Goal is to form a complete
collection of CD styles



**IF YOU ARE SELLING, PLEASE GIVE ME THE CHANCE
TO TOP YOUR HIGHEST OFFER!**

The insulators I need are listed by their CD number in the following columns.
Numbers in regular typeface are North American CD's Numbers in **Red** are Foreign CD's

North American		Foreign		Threadless		Odds & Ends	
10	136.5	334	404.2	570	656.8	700.4	1025
12	139.8	343	404.5	571.7	669.5	723.5	1034
25	148	343.5	405.5	583	669.8	724.5	1035
28	181.5	350.3	414	586.5	687.1	728.5	1040
28.5	192.1	365	445.4	591		732.4	1045
29.5	244.5	370.3	451.5	595		784	1052.5
30	245-cup	374	451.6	607			1066.5
30.5	303.5	377.7	480	607.5			1100
33	313	378.4	533	610.2			1102.3
45	313.1	379.3	537.4	613			1102.5
61		380.1	563.2	625.5			1103
109.7		404	567.5	653.5			1127



THESE YUMMIES ARE LOOKING FOR MORE NEW FRIENDS

FOR CASH CONTACT:

Tommy Bolack 3901 Bloomfield Hwy. Farmington, NM 87401 (505) 325-7873



NIA PRESIDENT

DARRYL WAGNER ✨ NIA #8671

Friends & fellow collectors,

Hope this issue of Drip Points finds you well and prepared for Christmas and a New Year. The 51st Springfield Ohio show was another great success and my thanks go to Lois, Curt, Alan, the set up “grunts” and all of the dealers and attendees, that continue to make this a destination show.

In the last issue of Drip Points, I mentioned that the Development Committee would be putting together a traveling display program, this was my error. The Promotions Committee is actually the one putting together the program and the Development Committee may be assisting by helping to raise funds to pay for the cabinets and expenses of the program. At Springfield, Mike Green, started asking for donations of insulators to populate these displays (see more in his article). My thanks go to those who started us off with the initial donations. These displays will also have literature concerning the NIA, insulators, scholarships, etc., that viewers can take with them. This program is about promoting the NIA and the insulator collecting hobby to the public. Your donations of insulators and money for expenses are greatly appreciated. If you have suggestions of locations for display consign-

ment, please contact someone on the Promotions Committee. These may be museums, libraries, schools, etc.

We are still looking for additional assistance with the Drip Points staff. The comments about the growth of the magazine and the enjoyment that our members are receiving from it, continue to come in. If anyone can give a little amount of time every other month and you have good communications skills and/or publishing or editing experience, we would like to hear from you. Contact me if you are interested, have any questions or know of someone that might be interested.

On a final note, I would like to encourage you all to enjoy your family and friends at this time of year. The last couple of years have deprived us of time together that we will never have again. So hope you had a great Thanksgiving and have a wonderful Christmas and New Year. ▲

Merry Christmas,

Darryl Wagner

DIRECTORY COMMITTEE CHAIR

NATHAN HOLMES ✨ NIA #4002

The 2021-2022 Insulator Collectors Directory is printed and in the mail to everyone who pre-ordered a copy this year. My copies were received while writing this, so I would hope that by the time most of you read this, you have yours in hand as well.

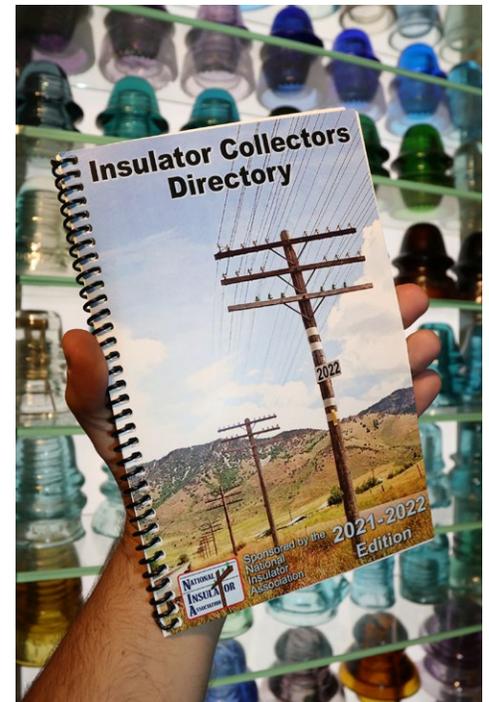
The directory team (Bill Meier, Andrew Gibson, myself, with much help and support from Darryl Wagner) would like to thank every one of you for your support of the directory project. We actually had more pre-orders this year than last year. We think having a directory to find and stay in touch with other collectors is important to the health of our hobby, and we're thrilled that many of you agree it's valuable.

We did print a small number of additional copies, so if you need an additional copy of this handy reference, you can purchase one from NIA Products or from the Insulator Collectors Directory website: <https://insulatorcollectors.org/purchase>

Don't forget to check out the online version as well at insulatorcollectors.org. We'll be adding features and improvements in the coming months.

Since dues season is upon us and I've seen a few questions, I want to clear up a bit of confusion about pre-ordering a printed directory with your renewal. When you pre-order with your renewal, it's for the directory that will be printed in that membership year. If you include one while paying your dues for 2022, you're pre-ordering the edition that will be printed and mailed in October 2022. I hope that makes it a bit clearer. ▲

Nathan Holmes





WESTERN REGION VP

ROGER ZIESAK * NIA #8919

A Good Day

I recently made a find that still has me smiling. I like 2-piece mud and have picked up several styles over the last few years. I always thought it would be great to have a couple of the early Locke multipart. The designs may not have been very practical, but they sure look cool.

Then, recently, I picked up a few pieces from an estate. In that group was an M-2335A, an insulator known as the Baby Gutter Top. This is the single spout variety that was known to be used in Phillipsburg, MT. I found it nowhere near Phillipsburg so how it got there is anybody's guess. The history of the piece was lost with the passing of the last collector so it will remain unknown.

As you can see from the photos the insulator is in outstanding condition. There is a little chipping under the crudely made spout. My guess is it is from a worker chipping off some glaze that had accumulated there and hardened during the firing process. The only other

damage is a small 1/8" by 1/8" chip on the side of the crown.

The mark is incuse and appears to be the Locke 6-1 mark which would be consistent with the other M-2335As in the hobby. The mark is weak and mostly covered by glaze but what's there is legible enough to identify the 6-1.

I'm very happy to add this piece to my collection. It looks great sitting on the shelf. Many people have said that there are some good ones still out there and here is one more example of that. I love reading a good Hunts & Finds story so it's nice to have one of my own. Good hunting everyone, Lastly, Beth and I would like to wish everyone a Very Merry Christmas and a Happy New Year. ▲

Roger Ziesak

M-2335A



2021 COMMEMORATIVE: CLEARLY GOLD

52ND NIA NATIONAL CONVENTION ✨ JULY 2-4, 2021, FARMINGTON, NM



SOLID POUR



REGULAR



EMBOSSSED ON THE DOME



EMBOSSSED ON THE BASE OF
REGULAR POUR COMMEMORATIVE

This year's NIA Commemorative has been a great success. As the first ever insulator with 24k gold leaf in it, they have been well received. As you receive your orders, please remember that we used an art glass studio for the production of this year's commemorative. That being said, expect crudeness, overpours, annealing cracks, etc. The first regular pour is \$50 and if a 2nd is ordered, it will be \$45 if shipped together, all postpaid. The solid pours were sold out before the National even started, but we were able to have a special second pour of 20 more solid pours. These are \$75 each, postpaid and the quantity is limited. We do have a very limited number of underpours of the Clearly Gold. These are available at \$45 each or \$40 each if ordered with another.

As always, everything is dependent upon availability.

Note: Solid pours are not plunged. They vary in size and can be crude. They may lean or have flaws and they have no base markings.

History of the National Show Commemoratives: "Collecting Our History"

Being an enthusiastic insulator collector, Frank Miller of Tulsa, Oklahoma went home from the First National Insulator Meet (that's what the "National" show was referred to as in 1970) held in New Castle, Indiana with an idea that collectors should have something by which they could remember the National meets. After months of struggling, he managed to have an insulator mold made. Frank said it was often referred to as "Frank's Last Folly" since he retired from teaching shortly thereafter. He also said it was worth the struggle. The commemorative insulator he designed replicated the early threadless "Pilgrim Hat" (CD 736) and is almost 4 inches high and is 3¼ inches across at the base. Since 1970, the glass commemorative has marked the National show event with new embossing for the location and a new color of glass. In 1979, the project continued on by John & Carol McDougald of Sedona, AZ. John and Carol produced the yearly commemoratives through 2009, at which time they donated the production to the National Insulator Association starting with the 2010 commemorative. Any profits made from the NIA Commemoratives go directly to benefit the National Insulator Association, a 501(c)(3).

To place your order online, please visit:

<https://www.nia.org/products/commemorative/>

We accept PayPal.

Alternately, you can send your order and payment to:

Margaret Wagner

14615 Skyview Ave.

Smithville, MO 64089

(816) 719-0801

commemorative@nia.org

Please make checks payable to "NIA".

If you have additional questions or live outside the continental United States, please contact me by phone or email prior to your order. Thanks!



PROMOTIONS COMMITTEE CHAIR

MIKE GREEN * NIA #3175

Greetings fellow NIA Members,

You may have heard about our new project of traveling insulator displays and the project is now officially kicked off. Our goal is to populate 3 displays that will each have two sections, 3' tall x 2' wide. The current plan is to have 2/3rd of each display backlit for glass and 1/3rd of each display front lit for porcelain. Looking to have glass & porcelain, threadless & threaded and North American & Worldwide insulators. We started gathering donations of insulators at the Springfield, Ohio show. David Dahle was the first donor, to show his thanks for having a sign language interpreter at the National banquet in Farmington, NM earlier this year. After that, donations continued to come in. Our picture shows some of the insulators that were collected.



Starting out, we plan to have a traveling display for each region, that can be consigned to museums, schools, libraries, etc. With these displays, there will be information about the NIA, scholarships, donations, insulators and other information that may be deemed helpful for new collectors.

We are looking for more insulator donations to fill these displays, as well as monetary donations to help pay for the display cabinets, the packing cases that will be needed and other items needed for the displays. If you have any questions or would like to donate, reach out to anyone on the Promotions Committee or any other NIA leader.

Our thanks go to the following donors from Springfield:

- | | | |
|-----------------------|-----------------------|---------------------------|
| David Dahle | Ralph & Karen Dean | Spencer Garten |
| Dennis & Jeanne Weber | Walt & Anne Baumgardt | Chris & Shannon Hernandez |
| Don & Jeanne Briel | Bill & Linda Connell | Elton Gish |
| Dario Dimare | Curtis Erickson | Steve & Donna Bobb |
| Gene Hawkins | Bill Ostrander | Troy Evans 🇺🇸 |

Mike Green



FIRST PAST PRESIDENT

STEVE ROBERTS * NIA #7935

Greetings Fellow Collectors,

I wanted to take the opportunity to wish all of you a Wonderful Holiday Season. I hope each of you are Blessed with Great Hope, Health and Joy. May the Spirit of Christmas encourage you for the New Year! 🇺🇸

God Bless,

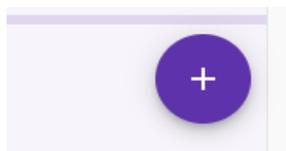
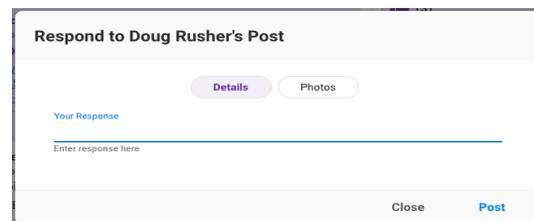
Steve Roberts





When it comes to asking questions, sharing ideas, or showing off your latest piece, the NIA Companion's Community feature is hard to beat. If you are a Facebook user, or don't like Facebook/social media, this is an "insulators only" community where you can talk insulators all day long, and, be able to easily find and comment on previous posts, look no further.

NIA Companion displays the most recent posts right on the home page. Clicking or tapping on any item on that page will take the user to the Community area of the program and will display the full text and photos of the selected post. Adding a response to a post is as easy as clicking or tapping on either the 'Respond to Original Post' link at the bottom of the screen, or any of the 'Respond to this post' links located by each of the current responses. A new screen will be displayed where the user can add their comments, as well as one or more photos. After saving their post their comments will display under the existing comments, and all members who subscribed to that forum will be optionally notified of the new post.



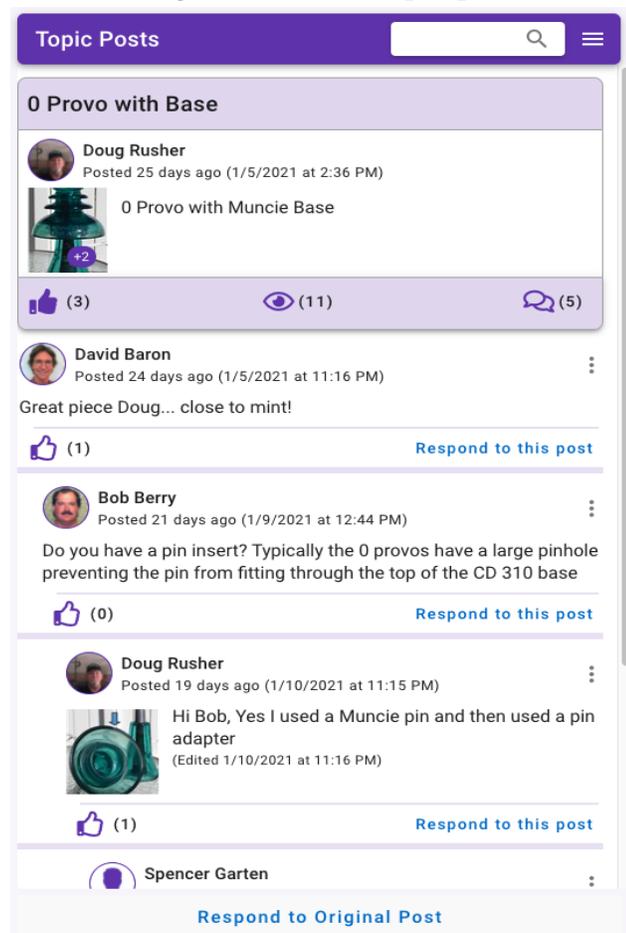
Adding a new post, or Topic as they are called, is also quick and easy. At the bottom-right corner of each Community list is a large circle button with a "plus sign" in it. Clicking that button results in a new screen being displayed. The user can enter the "subject" of their new topic, select a forum for it to be displayed within, as well as the original text of the topic, plus one or more photos. After saving the new topic

will be displayed at the top of the Community topics list and all members subscribed to the selected forum will be notified.

Previously saved topics and posts are easy to find and view again. Users simply have to type in any words they want and the program will scan every topic

and post, including its "subject", its text, and even its author, for a match. All results are displayed in a list, and clicking or tapping on any item will display the entire "thread" of the topic, i.e., the original post and all responses. These features make it a perfect platform for collaborative research on history, molds, colors, hunts and discoveries where all the data remains easily searchable and accessible!

Remember, this is a private social media site for just the insulator collecting hobby. No ads, no losing posts, ease of use, etc. Try it! 🐿



For Part 3 of "Odds & Dead-Ends," I'm going to be focusing on another less explored category of Hemingray insulators: glass bushings. So what exactly is a bushing? The term actually has two different meanings in the world of Hemingray insulators:

- 1) A metal piece embedded in the threads or bolt hole of an insulator to provide additional strength and help prevent pin expansion, a feature that Hemingray marketed in the 1930s and 1940s.
- 2) A glass insulator specially designed for the purpose of insulating and protecting a conductor passing through it.

For the purpose of this article, we'll be delving into the second definition—the glass variety of Hemingray bushings. While multiple glass companies manufactured bushings, it seems that Hemingray and Brookfield were the most prolific. Bushings attributed to Brookfield are often embossed with an "R" number, such as R 5050 (pictured on the left). In contrast, so far all of the known or suspected Hemingray bushings I've come across are unembossed.



BROOKFIELD R 5050

As glass bushings are not currently assigned CD numbers, for now I've created a placeholder "BT" (Bushing & Tube) numbering system to catalog all of the Hemingray bushing designs as I'm made aware of them. I'll be using them in this article, and you can also see them in use on Hemingray.info, my web site which is home to the Hemingray Glass Insulator Database.

Both the extensive research of Hemingray historian Bob Stahr and specimens unearthed from the Hemingray Dump (via Darin Cochran, Roger Lucas, and others) have been a great source of information for me on some of Hemingray's bushing designs.

In cases where no dump specimens have been found and no paperwork has surfaced, it can be difficult to identify a potential Hemingray product, and we must make a "best guess" based on the bushing's characteristics:

- *Glass quality* — clarity, junk, bubbles, amber or milk swirling, etc.
- *Mold characteristics* — edge sharpness, mold seams, features seen on other known Hemingray products, etc.
- *Color* — is the color within the typical Hemingray color range for the approximate time period?

That said, I'm sure there are many other Hemingray bushing designs out there just waiting to be discovered, and we have only scratched the surface! If you have a glass bushing you suspect is a Hemingray product and is not pictured in this article, I would be very interested in hearing from you.

And now, without further ado, let's explore the various categories of Hemingray glass bushings we do know about!

A Case of Mistaken Identity?

What I believe is the first & certainly the largest of the Hemingray bushings was once thought to be the sleeve for a CD 249 Hemingray No.0 Provo Type! This insulator was originally assigned CD 312. However, it was never proven that this was a glass sleeve, and so it eventually lost its CD number.

The piece was discovered in the dump by Hemingray employee Dennis Donovan in the 1960s, among a group of several other one-of-a-kind pieces. You can read more about this incredible find in Bill Meier's "The Greatest Insulator Find in the History of the Hobby" on Insulators.info.



BT 2009

PHOTO CREDIT CHRIS HEDGES



The photo on the left is from Ray Klingensmith's January 1989 catalog and shows the insulator as it was originally imagined. However, note that the fins/ribs are angled upward, which would seem to go against the goal of shedding water and moisture off of the insulator, if indeed it was intended to be used as a sleeve.

The piece measures 11" high and approximately 5 1/4" wide. The bore size is approximately 1 1/4" on the wide end and 2 1/4" on the narrow end.

ODDS & DEAD-ENDS (PART 3)

HEMINGRAY GLASS BUSHINGS (CONTINUED)



Dump Discoveries & Unknown Usage

Over the years, several different bushing designs have surfaced from the Hemingray Dump, through the painstaking efforts of several collectors including Darin Cochran, Roger Lucas and Bob Stahr, and others. This page is dedicated to all their hard work and perseverance!

On the left (BT 2001) is a light aqua bushing of unknown usage. A specimen with a ground end was dug from the Hemingray Dump by Roger Lucas in 2008, and there are at least 4 whole specimens known.

The specimens below (BT 2003) and on the right (BT 2005) are two other unknown usage bushings dug from the Hemingray dump. BT 2003 was dug by Roger Lucas.



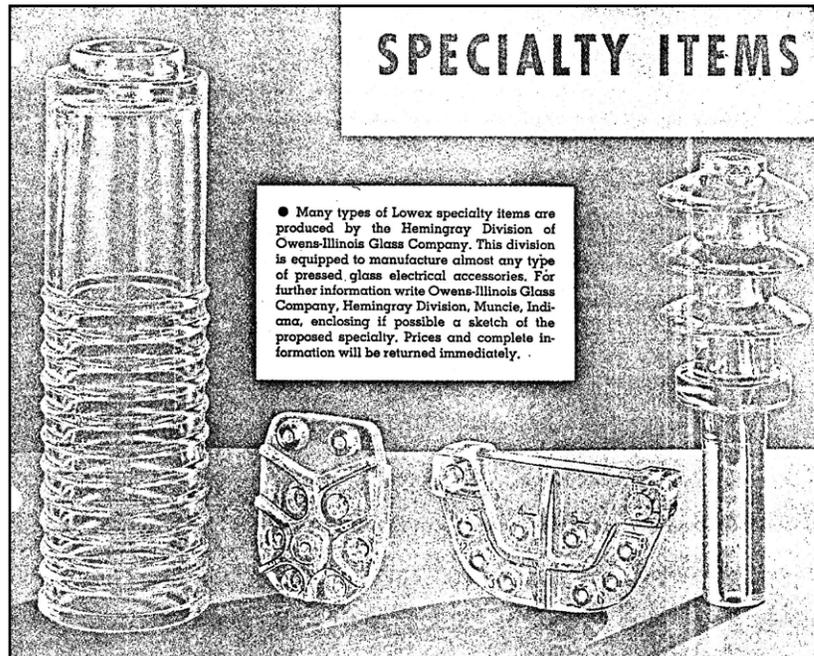
BT 2003 – PHOTO CREDIT ROGER LUCAS & DARIN COCHRAN



BT 2005

DIMENSIONS: 3 7/8" WIDE, 6 1/4" HIGH
BORE SIZE: 5/8" (TOP); 1 1/8" (BOTTOM)

BT 2001
DIMENSIONS: 2 1/4" WIDE, 4 1/2" HIGH
BORE SIZE: 1 1/4" (TOP); 1" (BOTTOM)
WEIGHT: 14 OZ.



BT 2006

BT 2007

Above is an undated (likely late 1930s or early 1940s) Hemingray catalog page displaying various Lowex specialty items, including two bushings. I am not aware of any specimens of these. Have you seen one?

BT 2005 (above) and BT 2002 (below, right) also have a unique feature in common—they both have "keyed" or "slotted" holes near the top, similar to the hole design of the CD 1025 mine insulator, also made by Hemingray around 30-40 years earlier.

BT 2004 (below, center) is similar in design to the Brookfield R 5088, the rightmost piece in the photo below.



BT 2004

PHOTO CREDIT BOB STAHR



BT 2002

DIMENSIONS: 2 1/8" WIDE, 2 5/8" HIGH
PHOTO CREDIT BRIAN RIECKER

ODDS & DEAD-ENDS (PART 3)

HEMINGRAY GLASS BUSHINGS (CONTINUED)



BT 2010

DIMENSIONS: 3 3/4" WIDE, 9" HIGH
BORE SIZE: 2 1/4" (AT WIDEST POINT)
WEIGHT: 64 OZ.

Hemingray "Three E" Telescoping Isolators

This next set of 3 bushings are in the same family as switch bushings, but I think they're unique enough to warrant their own section. Several years ago on eBay, I purchased the bushing on the left because something about it just looked Hemingray to me. I took it to the 2017 Colorado Springs National to show Bob Stahr and get his thoughts on it. He pulled out his laptop and showed me a Hemingray glass bushing advertisement—and there it was! See the ad below.

If you look carefully at the piece on the left, you can see there are actually two pieces fused together between the third and fourth rib up from the bottom. This was necessary to create the internal flange (see #92 in the patent drawing on the next page). The bottom hole is also unpunched, so it appears this specimen never saw service.

Now RUGGED INSULATION plus VISIBILITY THROUGH HEMINGRAY Glass BUSHINGS

ELECTRICAL ENGINEERS EQUIPMENT COMPANY ADDS VISUAL INSPECTION ECONOMY TO ITS TELESCOPING ISOLATORS...

● Modern electrical equipment designs show a definite trend toward the use of Hemingray glass bushings for many types of applications. Its transparency, great mechanical strength, and superior electrical insulating properties have proved a decided advantage. In the case of the "Three E" telescoping Isolator featured here, the position and the condition of the contacts are always visible to the operator at a glance. Hemingray glass bushings afford a decided improvement in product design.

The use of glass for equipment insulation requirements assures adequate mechanical and dielectric strength. Its use results in neatness in equipment, good appearance and durability. Submit your insulation problems—maybe we can save you money. Owens-Illinois Glass Company, Hemingray Division, Muncie, Indiana.

Manufacturers—investigate the possibilities of special Hemingray glass insulators for your equipment.

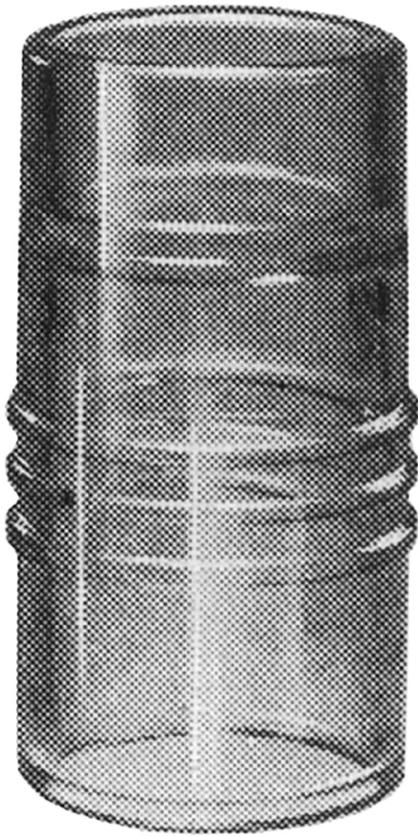
Central Stations—specify Hemingray Glass Insulators for the new equipment you intend purchasing—cut inspection costs.

FOR MODERN POWER LINE INSULATION

C.1940S HEMINGRAY GLASS BUSHING ADVERTISEMENT, COURTESY OF BOB STAHR

ODDS & DEAD-ENDS (PART 3)

HEMINGRAY GLASS BUSHINGS (CONTINUED)



BT 2011

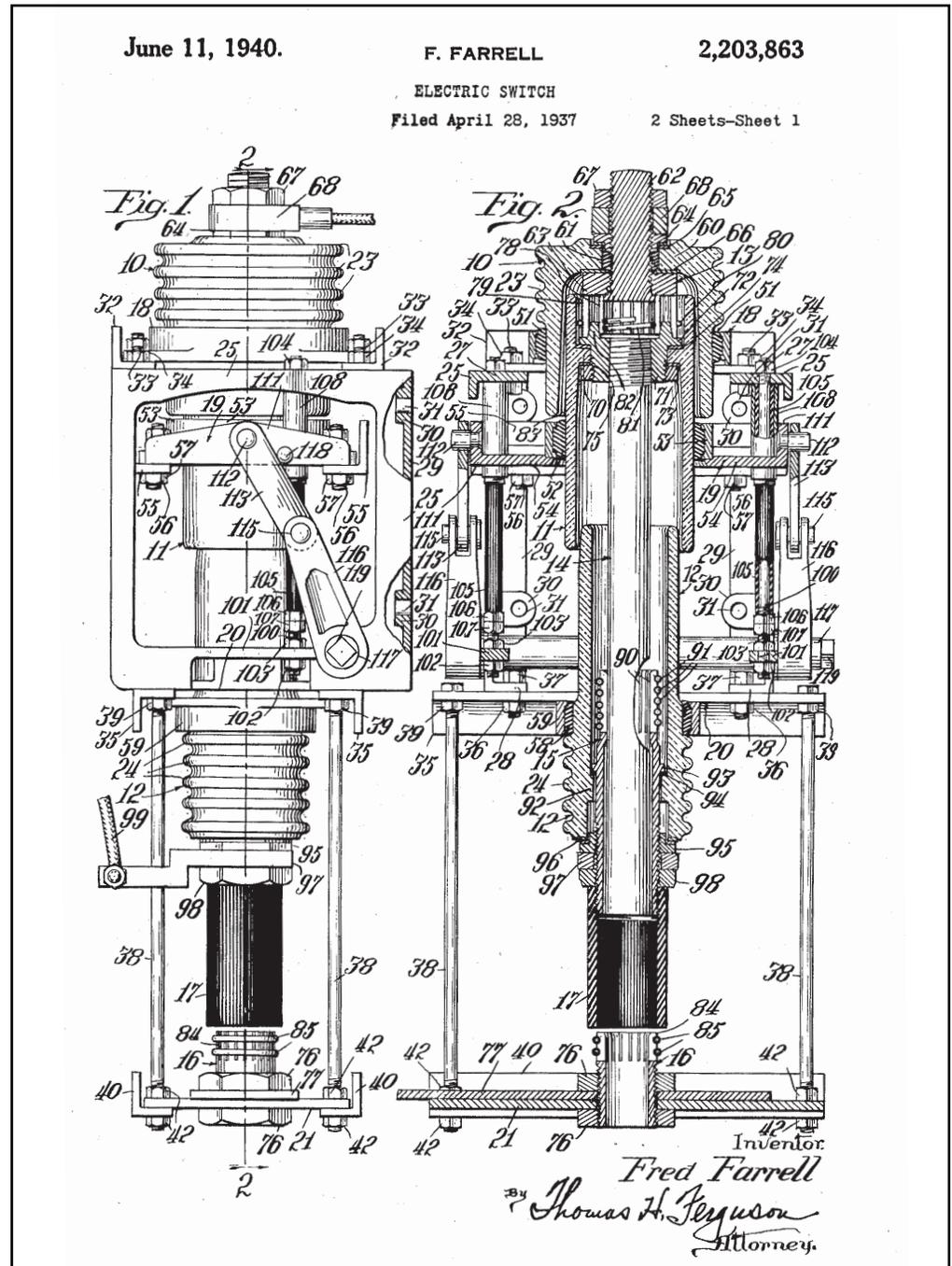
DIMENSIONS: 4 1/2" WIDE, 7 1/2" HIGH
(ESTIMATE ONLY)



BT 2012

DIMENSIONS: 6" WIDE, 6" HIGH
(ESTIMATE ONLY)

Bob also showed me the two patents granted to Fred Farrell for this electric switch assembly. The first patent (1,918,901) was granted on July 18, 1933, and the second patent (2,203,863) was granted on June 11, 1940, pictured below. The purpose of the design was to create a disconnect switch that was completely enclosed in telescoping glass bushings, which allowed for visual inspection of components and protection from weather. Bob reported that these were used in some ComEd electrical vaults in Chicago, Illinois. No other specimens have surfaced that I'm aware of, so keep an eye out! In my opinion, finding a complete assembly of these massive telescoping isolators would be the Holy Grail of Hemingray bushing finds. So cool!



Switch Bushings

Switch bushings were often used in turn-of-the-century powerhouses, substations, control rooms, etc. on switch panels. These panels were typically made of a material such as slate, granite or marble. The conductor would run through the center of the insulator, to the front of the panel. The switching assembly would bridge across two of these bushings, and by throwing the switch, one could connect/disconnect the circuit.

While we know for sure that Brookfield made several different switch bushing designs, it appears that Hemingray may have also. Note the two specimens on either side. While unembossed, they bear all the hallmarks of a Hemingray product: glass clarity, sharp mold edges, and typical Hemingray Blue and aqua colors. Also, note the four indentations around the outside of the "skirt", which is absent from the equivalent Brookfield products R 5043 and R 5050.



BT 2050 (9 RIBS)

DIMENSIONS: 3 1/2" WIDE, 6" HIGH
BORE SIZE: 1 1/4" (TOP); 2" (BOTTOM)
WEIGHT: 52 OZ.



BT 2050 BASE VIEW



BT 2050 TOP VIEW



BT 2051 (10 RIBS)

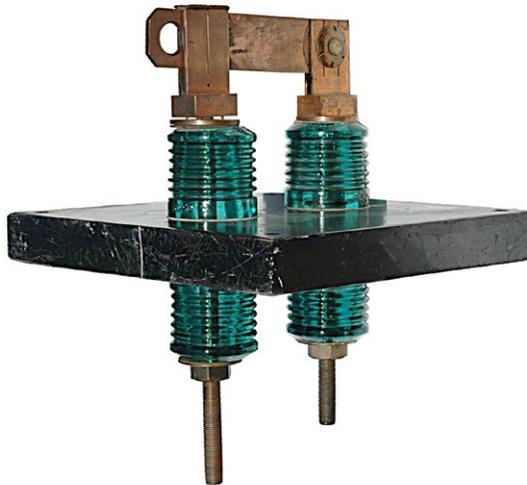
DIMENSIONS: 3 1/2" WIDE, 6" HIGH
BORE SIZE: 1 1/4" (TOP); 2" (BOTTOM)
WEIGHT: 53 OZ.



BT 2051 BASE VIEW
NOTE THE STEPPED, GROUND BASE



BT 2051 TOP VIEW
NOTE THE 4 EXTRA INDENTATIONS
AROUND THE TOP INSET RING



ABOVE: SWITCH ASSEMBLY WITH FOUR
R 5050 BROOKFIELD BUSHINGS ATTACHED.
PHOTO CREDIT DWAYNE ANTHONY



ODDS & DEAD-ENDS (PART 3)

HEMINGRAY GLASS BUSHINGS (CONTINUED)

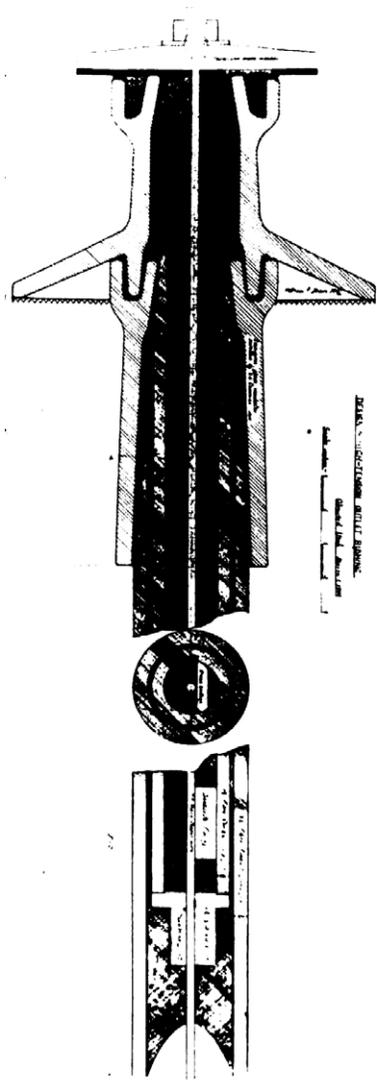


Fig. 18.



Fig. 19.

Experimental Outlet Bushings

While these insulators were never really designed to be used as bushings, they deserve an honorable mention for creativity. As part of a 1906 Master's Thesis, a couple of Hemingray insulators were used as bushings to test how to make better high tension outlets for electric substations / powerhouses (where the high tension lines exited the building).

These photos and illustration appeared in a 1906 University of Wisconsin Master's Thesis by Alvin Meyers entitled "A Ten Thousand Horse-Power Hydro-Electric Installation at Olmsted, Utah, with Special Reference to High-Tension Wiring and High-Tension Outlets."

In the experiment, two different insulator setups were tested. The first setup utilized two pieces of the super-rare CD 317.8/313/313/313.1 multipart invented by V.G. Converse and manufactured by Hemingray. Figures 18 & 19 show the "middle piece" (CD 313) and "base" (CD 313.1) used as bushings. The estimated cost of each piece was 27¢!

The second setup (shown in Fig. 21 below) utilized a modified CD 283 Hemingray No.1 Provo Type with what appears to be a hole drilled through the top of the insulator.



Fig. 21.



Floors and Windows and Walls, Oh My!

Last but certainly not least, one could argue that Hemingray floor tube insulators (also referred to as window tubes or wall tubes) are also considered a type of bushing, as they were designed to protect a wire as it passed through a wall, floor, etc. I agree! However, I consider floor tubes to be a large enough category that it warrants its own article, so I'll be tackling floor tubes in Part 4. Stay tuned for the next issue! ▲

HEMINGRAY BLUE 42s: THE "1s" TO LOOK FOR

RESEARCH BY ALLAN PECK * WRITTEN BY LEE BREWER



Please note a key to abbreviations and definitions is included at the end of this article

The title of this article is not something people would expect from a die hard Brookfield collector/researcher right? Who cares about the lowly and common Hemingray 42 anyway?

Background

I was introduced online to Allan Peck by Travis and Corey of internet bottle digging/collecting fame (the "Crick Diggers" online). Travis knew both Allan and I are interested in insulators, so connected the two of us.

Allan has been hunting insulators for 3 years. In one email he mentioned hunting a 6 mile stretch of line that yielded some Hemingray 42s that have a large shop number 1 (SN1) on top of the dome. I immediately got excited! I had never before talked with anyone who knew much about, or had access to any quantity of, these unusual blue 42s. And now Allan was saying he owns several distinctly different varieties obtained in the wild! Here was the potential to uncover some history-hidden

insulator information. It took only mentioning this idea to Allan for him to agree to start collecting as much data as he could.

While two varieties of these "SN1-42s" are known, SB and SDP, all the pieces Allan found are SDP. Unless specifically mentioned, any reference in this article refers only to SDP insulators. At present I know of no source or written information concerning SB units.

Not the final chapter!

Please understand this article is only the beginning in the story of these SN1-42s. Please email me at Lbrewer_42@comcast.net or education@nia.org if:

1. You have a SB SN1-42.
 - Allan theorizes SDP SN1-42s may have come from reworked SB molds. But the hobby has no hard data on SB units to test this theory.

2. You own an SDP SN1-42 that s not included in this article's charts.
3. You find a verifiable error with information in this article concerning the SN1-42s. I want to be corrected!

The following charts and information are derived from Allan's untold hours of collecting, field work, comparing and masking specimens of each variety, and spending just as many hours in photography. I took Allan's work and summarized/condensed the data to put together this article. Allan was consulted with every aspect before this article was published to insure accuracy of the insulators he has in hand.

Picture Taking Notes:

Since we are asking people to contribute pictures if they own SN1-42s not shown, note applying flat black paint cuts glare and shows hidden details. Acetone easily removes this paint (within a few hours of application). Acetone removed only the applied paint and not the train soot from insulators Allan wanted to keep in as-found condition.

The Three SDP SN1-42 Sets Currently Known (Figure 1):

Three sets of currently known SN1-42s can be identified by the SN's appearance (see chart 1): The **Normal 1**, the **Bald 1**, and the **Reverse 1** sets.

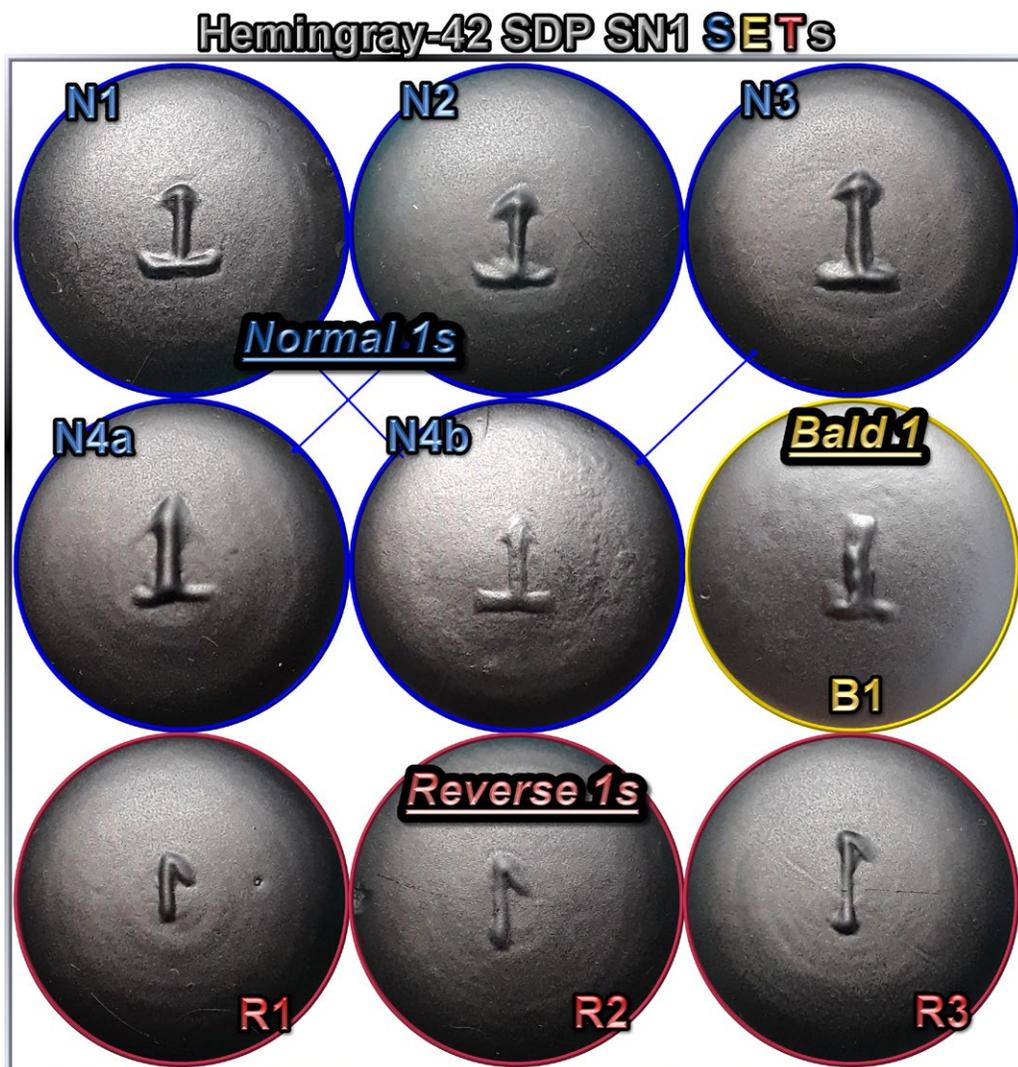


Figure 1

SN1-42 Sets Chart information summary:

1. Set classifications:
 - a. Normal 1s: Normal 1 through Normal 4 molds being abbreviated respectively as N1, N2, N3, N4a, and N4b (more on the N4a and N4b later).
 - b. Bald 1: A single mold known at present that can be identified by being the only mold with no serf(s), or a "Bald," SN1.
 - c. Reverse 1s: Reverse 1 through Reverse 3 abbreviated respectively as R1, R2, and R3
2. N4s can have one of two different looking SN1s. Designations are N4a and N4b.
 - a. Masking proves N4a and N4b are mold twins despite different looking SN1s.
 - b. N4a is high relief with crude lines making up the SN.
 - c. N4b is has relatively well-defined lines/angles making the SN.
 - d. Since the purpose of an SN is to be readily visible for tallying piecework, it might be N4b's low relief SN1 was retooled to make the prominent SN1 on the N4a.
3. It is not known if there are more unknown varieties to be added to each set. The naming system chosen allows for future expansion.
4. One of the questions I am hoping feedback from this article will help answer is if the SB varieties of the SN1-42s are the same molds as the SDP versions. It may be the SNs on the SB SN1-42s will match with the above. Allan I both suspect the SDP versions were made using modified SB molds because a lot of mold repair work was noted on the SDP varieties indicating heavy, and possibly prior, usage.
5. A not so obvious idea this chart may imply is Hemingray either was using a pressing machine with a minimum 8 molds, or three shops were employed to make SN1-42s
6. All molds in this chart were recovered along one railroad line except the R1, which was found several miles away on a entirely different line.

Known Orientations (Figure 2)

1. Each mold's name is positioned above a picture(s) of all currently known SN orientations for that mold.
2. A person should look down on top of the insulator with front skirt embossing positioned closest to them to identify if their insulator is on this chart.
3. The red lines on each SN in the chart are positioned to be in line with the insulator's mold lines/seams when the front skirt is also positioned as seen in the chart.
4. The angles represented in these pictures are very accurate to actual positioning with the mold lines, each SN having been photographed with three different main reference points. The pictures were overlaid to make for a compiled graphic.

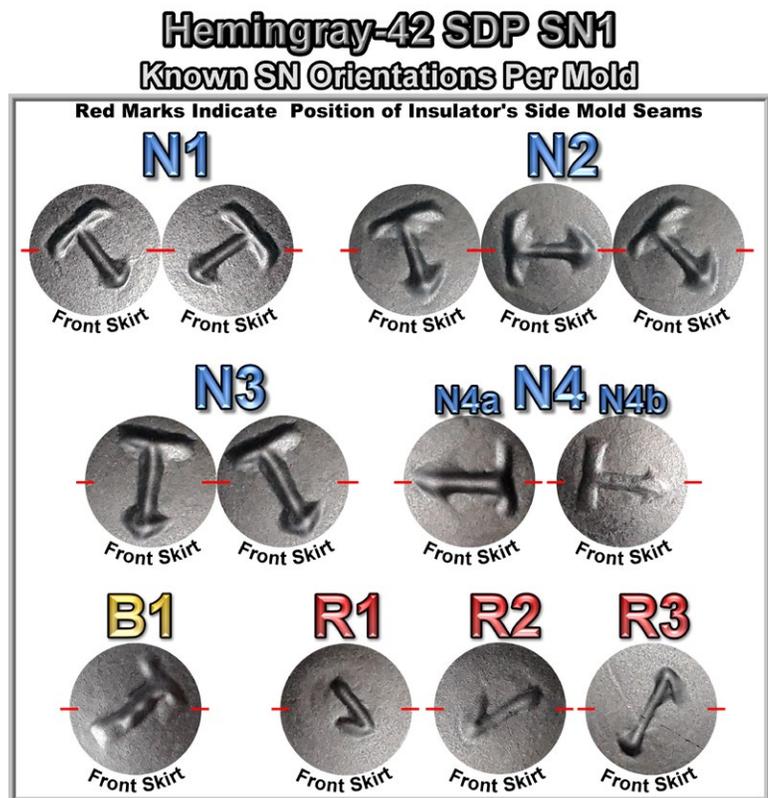


Figure 2

SN1-42 Dimensions

The Dimensions Chart is included to aid a person in identifying the SN1-42 they have using measurements. Note that, of course, the measurements are approximate but should be very close to what any person finds on their piece.

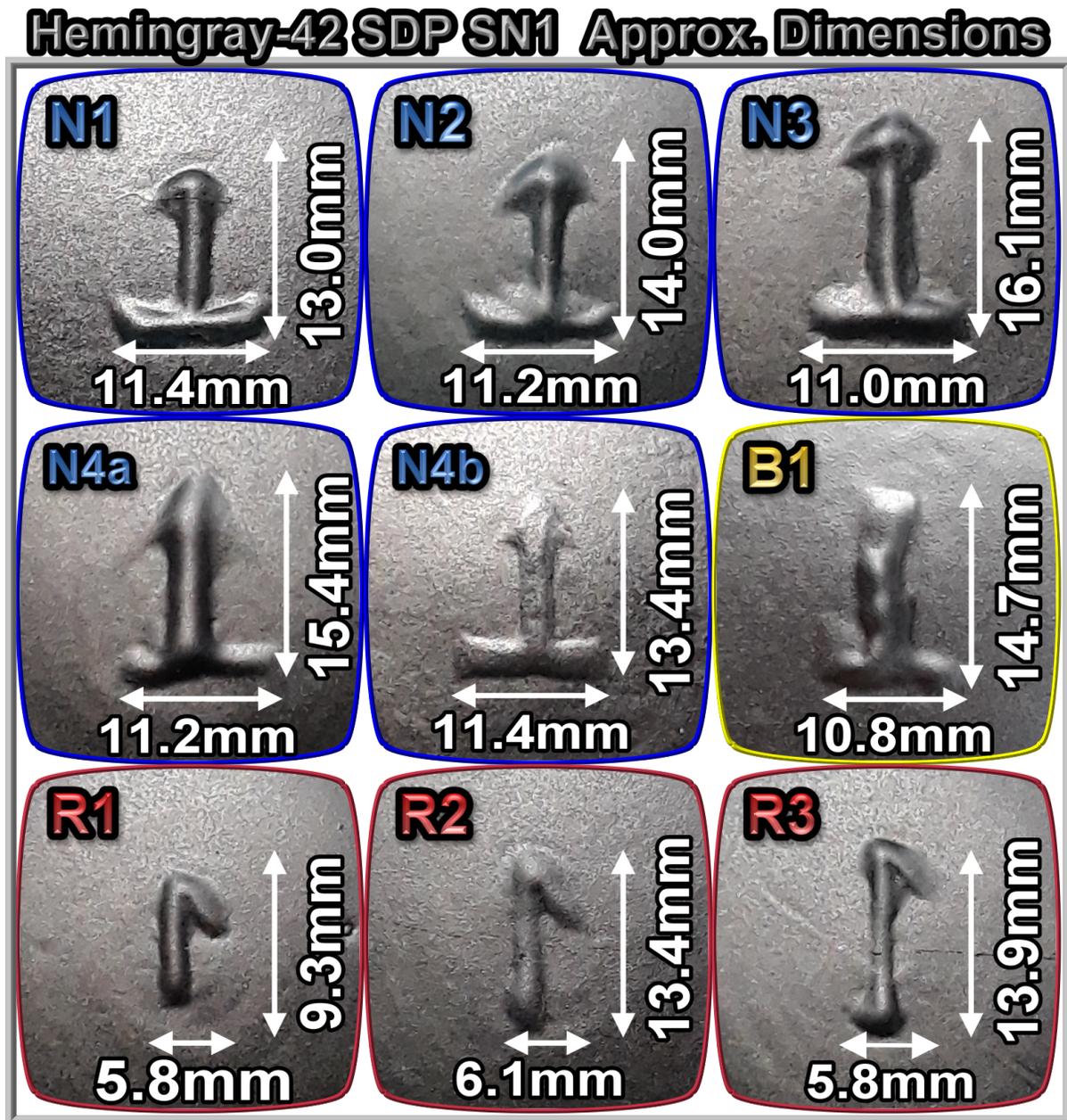


Figure 3

SN Identification Comparisons

Paying close attention to the size and details of your SN will aid tremendously.

1. **Normal set** identification:

The ends of N1's base are uniform in size.



The left end of N1's base is larger than the right side



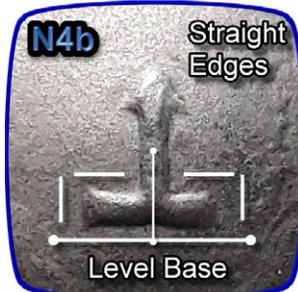
The base of N3 has a slight downward slant left to right. N3 is also



the tallest of the SNs. See the dimensions chart.



N4a's base angles upward left to right. Its left base side is bulbous while the right is flat and long.

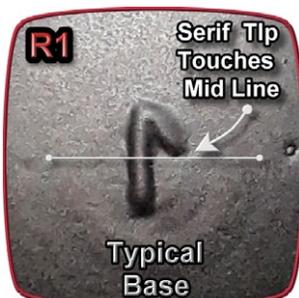


N4b's base ends are crisply defined angles:

2. The **Bald set** currently only has one member.

3. **Reverse set** identification:

R1's top serif extends to the mid line of the SN



R2's left side at bottom is angled. The Serif almost touches mid line.



R3's bulbous base is wider than main stem of the 1. The serif is well above the mid line.



Extra Identification Characteristics For The Normal Set:

1. N1 extra Identifying characteristics:

N1 front skirt: High M
There is a large blotch and a "High M" on N1's front skirt



Figure 4

N1 rear skirt: Close E-IN

The gap between the terms "MADE IN" is one letter space width for N1. The corresponding gap is wider on both N2 and N3.

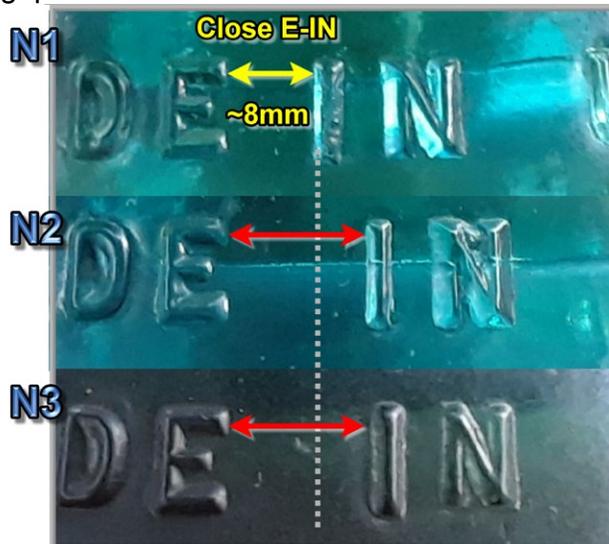


Figure 5

2. N2 extra identifying characteristics:

N2 rear skirt:
On all N2s, the H in HEMINGRAY has a hook at the bottom of its left leg that curls up and to the right.

Only an N2 has the hooked H, all other N molds are normal.

Three N2 Hooked H Examples



Figure 6

3. N3 extra identifying characteristics:

N3: The "High N" mold

"IN" From "MADE IN U.S.A"



Figure 7

...N3 extra identifying characteristics continued

N3 rear skirt blotches:



Figure 8

N3 left mold line blotches:
(Left of F-Skirt & HEMINGRAY-42)



Figure 9

Closing

Uncovering the mystery of the SN1-42s has just begun. The above information is what I hope to have in the NIA Project Redbook when completed. Playing Sherlock Holmes and investigating the unknown aspects of our hobby can be very enjoyable. Hunting the unknown gives new focus and excitement when attending shows and/or in the wild. I hope this article will serve to inspire some new SN1-42 specialists so we all can know how many different varieties can be collected for a full set of them as well as giving more clues about Hemingray production.

Definitions:

Mask (Meier Mask): Bill Meier once traced the skirt embossing of an insulator onto a clear piece of packaging tape (what he had on hand) and folded the tape over (preserving the tracing) to make a “mask” of the embossing. Placing this mask over another of same type insulator and finding the embossing matches the mask perfectly indicates both insulators were made from the same mold.

Mold Number (or MN): Typically a small number engraved under the embossing of an insulator. The MN corresponded to the mold and mold station being used on a type of insulator press having multiple mold stations. The MN helped troubleshooters identify which molds were producing inferior product.

Mold Twins: Two (or more) insulators identified as being made from the same mold.

SB: An insulator with a **S**mooth **B**ase.

SDP: An insulator with **S**harp **D**rip **P**oints

Shop: A Group of 4-6 men and boys making glassware was called a “shop.” Multiple shops were working at the same time making the same product and all shops were paid on a piecework basis.

Shop Number (or SN): Each shop had its own “shop number” (sometimes a letter, or combination of characters) engraved into their molds. Thus each shop’s SN appeared on every glass article they made. The SN served for tallying the work from each shop so proper payment could be made.

SN1-42: A Hemingray Blue CD154 (Dome) 1 (F-Skirt) HEMINGRAY-42 (R-Skirt) MADE IN U.S.A. SDP or SB. The default for this article is the SDP version.

SEISMIC SHIFT HITS CALIFORNIA

BY LOU HALL * NIA #7185

Walking through a small town, outdoor flea market one day this collector realized every available insulator was one he already owned or was way over his budget. A collector of 20 years at that time, he was disappointed and about to leave when he spotted a small box holding about 6 small, aged, wooden objects. Picking them up in his hands, their rough, gray, weathered look triggered his interest in these little treasures and their history that not many other collectors had noticed.

This collector began to see the insulator hobby a bit differently. He recognized these old objects were an important part of the hobby but not yet well represented and had the potential of being a significant specialized collection. What the hobby called “go-with” he saw as a primary collection, with insulators as a go-with. He decided to change direction from collecting glass and porcelain insulators and focus his collecting energy to those items that touched the insulator itself.

The beginning inventory of this new collection was first revealed to the hobby at a regional show in Medford, Oregon. In the 20 plus years since then there has been a dramatic increase in the number of pieces in the collection as well as a compilation of photographs, catalog cuts, patent information and other research material. The current collection is considered to be one of the largest of its kind.

The insulator collecting community will be rocked by the news that this collection has been shaken loose in California. Did you feel the movement? Not many did! Actually there was very little shaking but there was some serious back and forth movement. It should be noted that no seismograph recorded the activity and points on the Richter scale remained at zero. However, the epicenter of the event was determined to be the very specific address of an insulator collector in central California. It was also noticed that a year or so ago in the same general geographic area a similar movement or shift resulted in a dramatic “mudslide.”

This year’s most recent shift caused several thousand pounds of material to be relocated. So what was the “shift?” Actually it was a paradigm shift, a change in this collector’s thinking. At the age of 80 plus years this collector realized that it was time to re-evaluate some of his goals and priorities, especially those regarding his insulator collecting hobby of over 50 years. Knowing that family members had no interest in his collection and that the collection could be dismantled was not an acceptable conclusion. A desire to keep the collection of industrial artifacts intact as a resource available to other collectors to observe and study led to the realization that the collection belonged in a museum setting instead of being in his personal home and enjoyed only with a few other collectors.



THE DUNTON TREE INSULATOR



THE EXHIBIT IN THE ELECTROMECHANICAL MUSEUM

This new mindset of having the collection located in a public venue has become a reality. Lou “The Pin Man” Hall and Tommy Bolack are pleased to announce that Lou’s insulator mounting pin and bracket collection has found a new home. The collection has become one of the exhibits located in the Bolack Electromechanical Museum in Farmington, New Mexico. Lou’s display at the 2021 NIA National Show, hosted by Tommy Bolack, is now a permanent part of the museum. There will be many more mounting pin and bracket items added to the museum exhibit as time goes on.

The Bolack Electromechanical Museum as well as the Bolack Fish and Wildlife Museum are open to the public Monday through Saturday. Admission is free but advance appointments are requested. Additional information is available on the website at www.bolackmuseums.com. 📍

WRIC 11th ANNUAL OKTOBERFEST

SHOW REPORT BY RICK BALDWIN ✨ NIA #336

The warm and sunny Northeastern Ohio weather on Saturday, September 18th provided a perfect backdrop for the Western Reserve Insulator Club's 11th Annual Oktoberfest Autumn insulator show. Held at the historic Masonic Hall in Richfield, Ohio, the show returned to a live venue, after having been held as a virtual "Zoom" show in 2020. The show was "sold out" with respect to a floor plan for 18 inside sales tables manned by dealers from OH, KY, PA, NY and MI. Several other dealers enjoyed having outside sales tables in the beautiful weather. The venue was well-attended throughout the entire day, as collectors and dealers alike caught up with renewing friendships in person...with friends whom many had not seen since before the pandemic started in early 2020.

Planned and facilitated by show committee member Sharon Foster, the show's traditional "Oktoberfest" luncheon was available to all attendees. Following the protocol exhibited at the WRIC's prior Allegheny Valley show held in July, all food items, which consisted of bratwurst and hot dog sandwiches, sides of potato salad, sauerkraut, donuts, deserts, condiments and root beer plus other beverages were carefully

packaged individually for distribution.

A highlight of the show was the appearance of club member Mary Ann Pike's recent new find: a currently one-of-a-kind CD116 that is boldly embossed "WESTINGHOUSE / SPECIAL NO1". Mary Ann and husband Tod graciously displayed their new gem on their sales table for attendees to examine and photograph in person. This truly is a "special" insulator, and we are happy that a Westinghouse "specialist" was able to personally introduce this new find into the hobby.

The WRIC thanks the support from its club officers, show dealers and attendees...and especially those who assisted in making his year's show a reality. Included with this report are a few general photos of the show venue. If of further interest, dozens of additional photos showing sales table closeups, etc. can be found within the ICON website photo gallery. The WRIC looks forward to holding its annual Winterfest show and club meeting in Strongsville, Ohio in January of 2022. 🍷



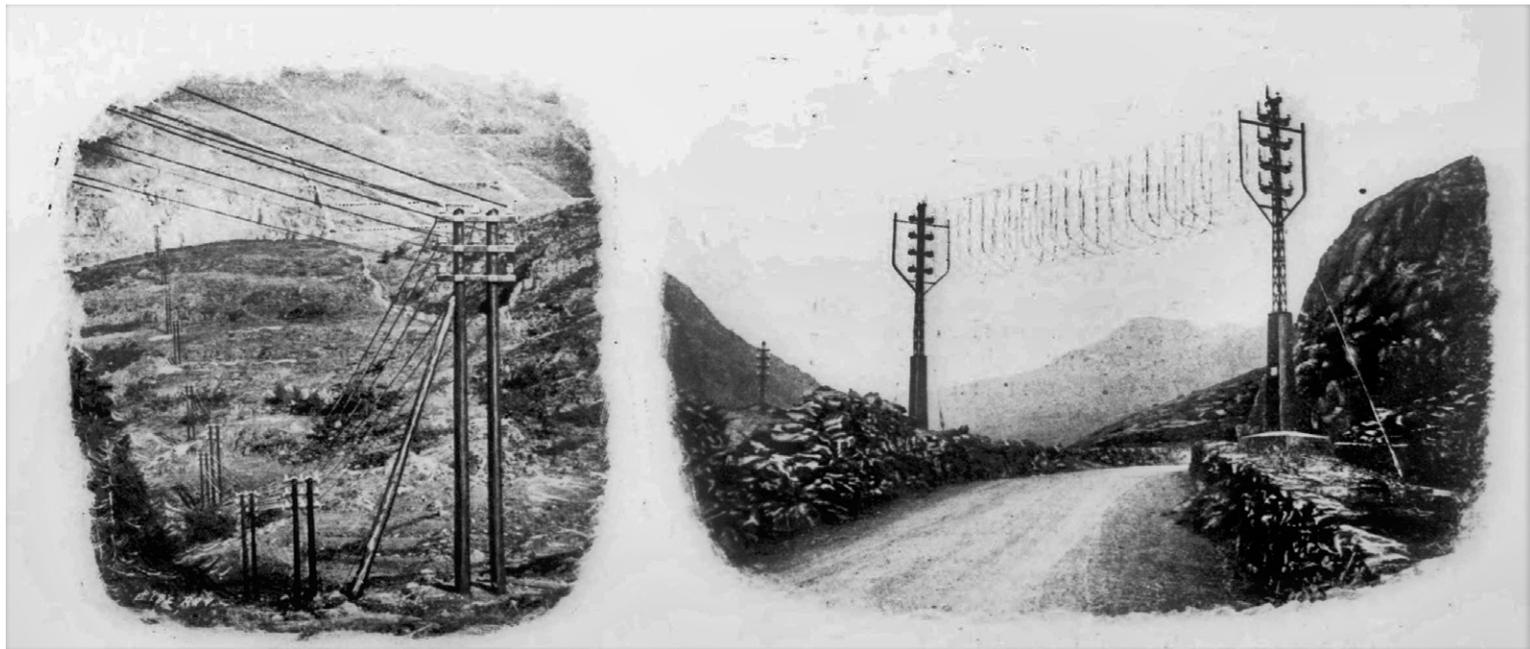
AN INDIA LINE IN NORTH WALES

BY DRIP POINTS STAFF WRITER JACK NESBIT

In 1906 the first industrial scale hydro electric power station in North Wales was switched on. Cwm Dyli Power Station (Picture 1) was a feat of engineering, and was built to supply power to the largest three quarries of the booming Welsh slate industry. The main transmission line (Picture 2), consisting of three 3-phase circuits carried on H poles and lattice towers, ran from Cwm Dyli through the Llanberis pass to the town of Llanberis where one circuit branched off the principle line.



PICTURE 1



PICTURE 2

AN INDIA LINE IN NORTH WALES

(CONTINUED)

This single 3-phase line then ran to the main level of Dinorwic quarry (opposite Llanberis), where it was transformed down to 500 volts and distributed around the quarry and nearby works via a system of robust overhead lines. Most of the poles used for the 500 volt lines were constructed with a single heavy wooden arm at the top, about 8 foot in width and normally supporting four or six insulators. For some of the lines in steeper areas of the quarry, two slightly shorter arms were used. The insulators were a mix of medium sized “mushroom” patterns and India patterns with a cemented in spindle. Picture 3 shows two damaged mushroom insulators found in the quarry in 2013.

Many of these early lines survived until the quarry closed in the 1960s, and after the closure the poles were cut and left. Due to the nature of the hard rock that they were felled on to, nearly all of the insulators perished and those that survived were pilfered long ago. This was the case for every line except one – which ran out of the quarry and across an area of craggy woodland to some neighbouring quarry works. A 1970s photograph found by Richard Serridge clearly shows this previously unknown line still in place, and this is what led to our latest power line exploration.



PICTURE 3

I was soon to be corrected however, but in the best way. We began carefully uncovering one side of the crossarm and just as we got to the last pin, I saw a piece of white porcelain glistening in the sun. Alex pulled the grass back from it to reveal something really unexpected – a heavy duty Bullers “India pattern” in great condition! The marking was clear too, reading “BULLERS LTD. LONDON” (Picture 5).

I carried on clearing the undergrowth away from the arm closer to the pole. I pulled the arm up and my heart stopped, as out came a second pristine India (Pictures 6 and 7)! Even though these were not the mushrooms we expected, they still date to the original 1906 system and were equally as exciting to see.

Richard had also uncovered two swan neck brackets further down the pole, and broken pieces of a miniature standard slot top pattern which would have been on them (Picture 8). As I mentioned in one of

After a bit more research and planning Richard and I had a trip to Dinorwic organised, with Jake Rideout and Alex Rice joining us.

It was a pleasantly sunny day and we began our hunt at a midway point along the line, trying to place ourselves close to landmarks seen in the 1970s photograph. After scrambling away from the main path and up over a rocky area I spotted a small raised base, and the remains of a pole stay sticking out of the ground. Scrambling through gorse and heather got me up onto the raised ground and confirmed that it was indeed a concreted base for an original 1906 pole! The stump was still intact. Picture 4 shows the general terrain and route of the line.

We all took our time searching around the pole base, but no signs of the pole or arm were found. Never mind, on to the next pole! We agreed that we must have missed the next one as we walked some way before spotting another base. It was hidden in some heather beside a patch of small trees, and while the others were searching the higher ground I decided to scramble downhill a little. Pushing some low branches aside I suddenly saw what I thought was a chunk of pole. I scrambled down to it and realised that it was in fact the top – complete with its large oak crossarm. I shouted to the others “I think I’ve found a mushroom pole!”



PICTURE 4

my previous articles, slot tops come in endless variations and this was another one that none of us have seen before.

Once again, we walked some distance before finding the next pole, and this one had a missing arm. In place of the swan necks however, was a smaller wooden crossarm containing two very nice “BULLERS LTD LONDON” marked shackles. One is shown fresh from the pole in Picture 9. Jake rescued this insulator while we searched around for the missing crossarm. It didn’t turn up, but we were all on a bit of a high after finding the Indias.

After a lovely walk around the nearby quarry searching for another long lost mushroom line, we returned to the India line to find the missing poles! Taking our time paid off and we soon found one, but it was sadly empty. Even so, the sight of 1906 vintage power poles with wooden crossarms was quite fantastic.

AN INDIA LINE IN NORTH WALES

(CONTINUED)



PICTURE 5



PICTURE 6



PICTURE 7

Stopping by the first pole top we had found, we decided to try and dig out the remaining portion of arm that we had overlooked earlier. To our delight, muddy hands soon uncovered a third intact India. Another interesting feature that we noticed on this pole, was the steel wire catcher pin at either end of each crossarm (Picture 10), which turned out to be consistent to every pole.



PICTURE 8



PICTURE 10

Our hunting skills seemed to notch up for the last stretch of the line and we managed to find discarded arms half buried some way from the first pole base we had walked to, and the first one we had missed. They were in good condition, but the insulators had vanished long ago. I walked ahead a little as the route of the line dipped into some trees, and soon spotted another arm, covered in moss and dead bracken. This one contained two more mint indias, the first is shown in picture 11. By pure chance I discovered a third split one lying on the slope nearby, still on its pin having been unbolted and discarded when the line was dismantled.



PICTURE 9



PICTURE 11

Untouched lines like this are getting harder to find but as we adjust our strategies and search more thoroughly, both above and below ground, it becomes apparent that there are still plenty of rarities out there! 🐾

51st ANNUAL SPRINGFIELD SHOW

SHOW REPORT BY NATHAN HOLMES ✨ PHOTOS BY NATHAN HOLMES & MIKE GREEN

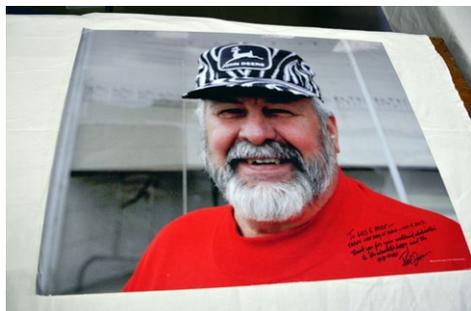
Back on November 6-7, 1971, the very first “Mid Ohio Insulator Swap Meet” was held on the first weekend in November at the London, OH, fairgrounds. Hosted by Steve and Lois Blair and Ed and Sandy Hollar, the original meet boasted 42 dealer tables and 300-400 attendees. Fifty one years later and having never missed a year, this tradition was still going strong with the biggest Mid Ohio show to date. The hall was filled with 138 dealer tables and hundreds of attendees who spent three days socializing, trading, buying and selling.

Attendance was solid all three days, with several dealers commented that Saturday afternoon stayed busier than they’d remembered in any recent year. With all the restrictions last year, the hosts decided to delay celebration of the show’s fiftieth anniversary until this year so that more collectors would be able to attend and celebrate.

The traditional after-hours Friday auction brought in a huge number of items this year, running for almost three hours. Some of the more talked-about pieces in the auction were a Folembay 370.6 (the largest glass insulator ever made) and an odd wooden strain with a choke coil wrapped around it. Other items sold included dozens of boxes of random glass and porcelain insulators, a large number of railroad battery jars, and a large selection of colored signals.

The community display on the stage this year focused on Pennycuicks and was coordinated by Mark Gilmore, and was displayed up on the stage in two large backlit cabinets. The “Gathering of the Skulls”, a group display of Elekrika signs that prominently feature a skull as part of their warning. The display was arranged by Anthony Letnich and Bill Sutliff, with additional contributions from Josh Plunkett and Sandra Stocky, as well as a one-of-a-kind all black sign borrowed from a non-collector. The “Best of Show” award given by the hosts went to the outstanding display of North American porcelain transpositions assembled by Matt Grayson, Jeff Hogan, and Ken Willick. The People’s Choice award went to Earnest Griffith’s display of Russian and other former Soviet state power insulators. Additional displays included an informative display on non-insulator Whitall Tatum products by Walt Baumgardt, Porcelain Lightning Rod insulators by Steve Bobb, and a display of Miley, Inc. Insulator Go-Withs by Rick Soller.

I think I speak for all of us who attended when I say how much we appreciate all that Lois Blair and son Michael Blair (who was 3 months old at the first Mid-Ohio meet), Curt and Alan Boster, and all of the other volunteers do keep this beloved show alive and growing every year. Here’s looking forward to fifty years of one of the best shows in the hobby! 🐻



STEVE BLAIR



LOIS & STEVE BLAIR



FRONT DESK



DARRYL & MARGARET WAGNER



BOB BERRY



JACQUE LINSOTT-BARNES & GRAHAM BARNES



ANDREW GIBSON WITH HIS NEW GUTTER TOP

51st ANNUAL SPRINGFIELD SHOW

(CONTINUED)



SHOW HALL



GRAHAM BARNES, KEN RICHARDSON, DAN GAURON, SEAN GREEN, CHRIS HEDGES



EARLY SET UP



GENE HAWKINS THE CREB HEAD



DAN GAURON IS SAYING SCORE!!!!!!



DAN & DARIO



CHRIS HEDGES & JEANNE WEBER



JEFF KATCHO & STACEY HUBER



DARIO UNLOADING "GOODIES"



DARRYL UNLOADING A CART OF NIA MERCHANDISE



ANN AND TROY EVANS



DONNA & STEVE BOBB

51st ANNUAL SPRINGFIELD SHOW

(CONTINUED)



MUST BE SOMETHING GOOD ON THIS TABLE



BRIAN RIECKER'S MAIN TABLE



A LOT TO LOOK AT



SOMEONE'S FRIEND



JOSH DONDORF'S TABLE



CHRIS HEDGES TALKING PORCELAIN



FRED PITTMAN



PRETTY!



JOHN WIGGINS & ROSS BAIRD



RALPH DEAN



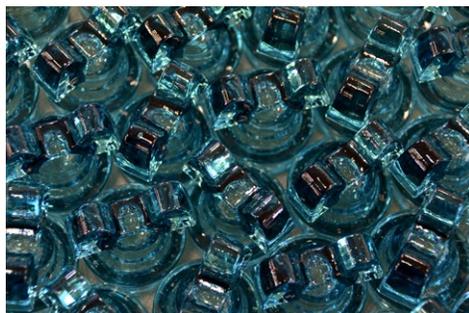
DARIO'S TABLE



JEANNE & DENNIS WEBER

51st ANNUAL SPRINGFIELD SHOW

(CONTINUED)



MICKEYS ANYONE?



MINIS GALORE



FRIDAY SETUP



PORCELAIN, PORCELAIN & MORE PORCELAIN



JILL AND BILL MEIER



BRIAN RIECKER



JASON TOWNSEND CORNER



JOHN GASKO



3 AMIGOS



COLORFUL



CURT BOSTER



DOUG WILLIAMS TABLE

51st ANNUAL SPRINGFIELD SHOW

(CONTINUED)



JEFF KATCHO & ELTON GISH



BILL ROHDE, GIL HEDGES-BLANQUEZ & MIKE GREEN



SUPPORTIVE WIVES JANA ROBERTS & JEANNE BRIEL



NICE COLORS – AMBER PENNYCUIK



NICE PENNYCUIK COLORS



JUST SOME OF THE MANY AUCTION ITEMS THIS YEAR



EAGLE SCOUTS
SEAN GREEN & PATRICK MOYLAN



CHECK OUT THE AMBER IN THIS
WONDERFUL DENVER POWER PIECE



MARILYN & CHRIS HEDGES



WENDY AND DAN GAURON



ANDY WADYSZ



ARLEN AND TINA RIENSTRA TAKING A
QUICK BREAK FROM LUNCH TO POSE WITH
THEIR TABLE

51st ANNUAL SPRINGFIELD SHOW

(CONTINUED)



RAY KLINGENSMITH ON THE PROWL



DUSTIN CAWOOD



GLASS FOR SALE



CAROLYN, BOB AND DARIO



SHOW HALL AS SEEN FROM THE STAGE



KEN ROBERTS & PATRICK MOYLAN



GRAHAM BARNES & JILL MEIER



NICE LINEUP



ROSS BAIRD & SEAN GREEN



DON AND THE GALLOWAY ROOT



CLOSE UP OF THE GALLOWAY ROOT



PROBABLY THE MOST FAMOUS EXAMPLE OF INSULATORS EMBEDDED IN TREES IS THE GALLOWAY INSULATOR ROOT. DON BRIEL RECENTLY ADDED IT TO HIS COLLECTION AND HAD IT ON DISPLAY AT HIS TABLE.

51st ANNUAL SPRINGFIELD SHOW

(CONTINUED)



ARLEN AND TINA
RIENSTRA



LEFT: ELTON GISH ACQUIRED THIS UNIQUE PIECE AND HAD IT ON DISPLAY AT THE SHOW. THE ORIGINAL OWNER ADDED SEVERAL SIDE PINS TO THE PIECE AND HAD DISPLAYED EVEN RARER INK STAMPED HARLOES ON THEM.

RIGHT: RICK SOLLER AND HIS BIGGEST PIECE FROM THE AUCTION – THE LARGEST GLASS MULTIPART KNOWN, A FRENCH CD370.6



MARY ANN PIKE

DISPLAYS



DISPLAY RIBBONS



THE "GATHERING OF THE SKULLS": A GROUP DISPLAY OF ELEKTRIKA SIGNS & A FEW SPOOKY GO-WITHS



EARNEST GRIFFIN'S DISPLAY OF RUSSIAN AND FORMER EASTERN BLOC POWER PIECES



STEVE BOBB'S DISPLAY OF PORCELAIN LIGHTNING ROD INSULATORS



A RECENT FIND FROM NEAR HAWLEY, PA, WAS THIS PORCELAIN EMBOSSED HARLOE CLAW EMBEDDED IN A TREE.



WALT BAUMGARDT'S DISPLAY OF NON-INSULATOR WHITALL TATUM PRODUCTS



PENNYCUICK COMMUNITY DISPLAY ORGANIZED BY MARK GILMORE



A DISPLAY OF US PORCELAIN TRANSPORTATION INSULATORS, INCLUDING QUITE A NUMBER OF VERY SELDOM SEEN U-NUMBERS

51st ANNUAL SPRINGFIELD SHOW

(CONTINUED)



MIKE AND SEAN GREEN



RILEY ARMSTRONG LOOKS OVER THE SELECTION OF POWER GLASS ON BOB STAHR'S TABLE



BILL HALEY EXAMINES A PIECE FROM CURTIS ERICKSON



DUSTIN CAWOOD SHOWS OFF HIS ONE-OF-A-KIND GREEN E.F.C.B. CD 154. THE EMBOSSEMENT STANDS FOR "ESTRADA DE FERRO CENTRAL DO BRASIL" OR "CENTRAL RAILWAY OF BRAZIL"

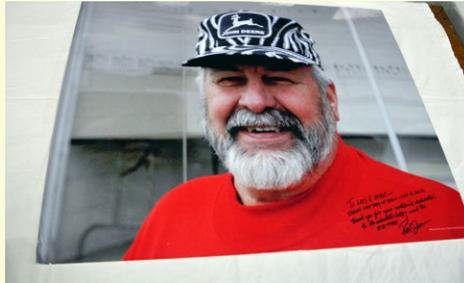


THESE TWO OLD CAST IRON CROSSARMS USED TO HOLD UP POWER CABLES FOR THE PHILADELPHIA TROLLEY SYSTEM BEFORE THEY LANDED ON CURTIS AND MICHELLE WILKINSON'S TABLE.



LOIS BLAIR AND SON MICHAEL STAFF THE FRONT TABLE. STEVE AND LOIS STARTED THE MID-OHIO SHOW TRADITION BACK IN 1971, WHEN MICHAEL WAS ONLY THREE MONTHS OLD.

Closing Toast to Steve



GARLAND INSULATOR SHOW

SHOW REPORT BY BOB MACHANN ✨ NIA #8235

The Garland Insulator Show was held on October 23, 2021 in the McKamy Meeting Room at the Springhill Suites Hotel in Richardson, Texas. I crawled out of bed at 4:20 a.m. and drove through a light fog on I-45. After a pit stop for fresh camera batteries, I arrived at the hotel about nine.

Our show had great walk-through in the morning. Among our visitors were John Beall, Lisa Feagins, Sean Fleming, Chris Hernandez, Nathan Holmes, Dayton and Israel Jones, Sam Washburn, and the Saucedos.

Among our insulator dealers were:

- Bob Berry – green CD 106 Star, CD 159 Gregory, CD 254 #3 Cable, green CD 280 No. 135
- John Hall – blue CD 247, light aqua CD 293.1 Locke, purple CD 134 W.F.G., carnival CD 168 Hemingray, yellow green CD 164 H.G.Co.
- Chris Renaudo – swirled amber CD 162 Hemingray, green CD 145 N.E.G.M., fizzy blue CD 106 Hemingray prism, ice green CD 134 Am. Ins.
- John Wiggins – aqua CD 117 &, gray CD 162.3 Star, light blue CD 164 McLaughlin, green aqua CD 149 Brookfield
- Dan Gauron and Gil Hedges-Blanquez – blue CD 131.4 L.G.T. & Co., aqua Foree Bain, royal purple CD 121 R. Good, Johnny Balls
- Tom and Mary Miller – jade CD 145 H.G.Co., aqua CD 106 Hemingray with amber pollywog, aqua CD 272, aqua CD 112 Star with

- graphite and deformed threads
- Elton Gish – butterscotch U-292 Hartford Faience, yellow U-293 Cook, gray U-234, white U-47 FEDCO
- Jack Roach – yellow olive green CD 145 American, CD 152 McLaughlin, CD 306 Lynchburg, fizzy purple CD 162. 3 W. Brookfield, aqua CD 164 B SDP
- Gary Fine – milky red amber CD 162 Hemingray, aqua CD 205 Lynchburg, blue CD 281 Hemingray, aqua CD 263 Columbia
- Clete Martin – jade CD 106 Hemingray, ice yellow green CD 102 Diamond, ice aqua CD 151 H.G.Co. domer, peach CD 154 Whitall Tatum, light lemon CD 106 Maydwell
- Mike Lyell – CD 239 Kimble with carnival saddle groove, clear CD 220 Hemingray, blue CD 160 O.V.G.Co. Petticoat Pony, jade CD 121 Am. Tel., CD 160 £ Sterling
- Ross Baird – peacock CD 162 H.G.Co., carnival CD 234 Pyrex, green aqua CD 103 B, sage green CD 210, cornflower CD 106.1 Duquesne

Sandwiches and chips were brought for lunch, and a good number of us chowed down in the hotel's breakfast area. A few more insulator deals were made before the dealers packed up. Thanks to Gary Fine and Mike Lyell for hosting the show, and to the Springhill Suites Hotel for the great pork sausage at the breakfast bar. Also, thanks to Mike for answering my want ad on ICON for a certain CD 115 Hemingray insulator. Until our next gathering, happy collecting! 🏠



CHRIS AND JOHN



JOHN HALL'S LIGHT BOX



THE SHOW WAS BUSY AS THE CROWDS START TO GATHER AROUND TABLES



MORE SHOW ACTIVITY



JACK AND ROSS GETTING READY



ELTON AT HIS TABLE

GARLAND INSULATOR SHOW

(CONTINUED)



DAN GAURON AND GIL HEDGES-BLANQUEZ AT THEIR TABLE



MARY AND TOM



JOHN HALL AT HIS TABLE



JACK, ROSS AND GARY



BOB BERRY'S SALES TABLE



LOTS OF GLASS & PORCELAIN



GREAT COLORS



RARE ITEMS



MORE GREAT COLOR



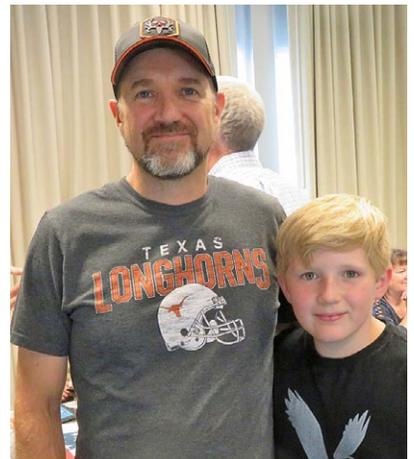
CLETE & JOHN



ELTON



MIKE



ISRAEL AND HIS DAD

YPIC TAILGATER SHOW

PHOTOS BY KEN WILICK ✨ NIA #3709



A GREAT WEATHER DAY IN NEW ENGLAND!



A LOCAL COLLECTOR, TODD ROGERS IS A REGULAR AT POLE CAT EVENTS.



BILL AND JILL MEIER, AS WELL AS SHOW HOST JOHN RAJPOLT



DOUG MACGILLVARY (L) AND TOBEY SWEET (R) WHEEL AND DEAL



JOHN RAJPOLT SHARED A FEW OF HIS NEW ACQUISITIONS. THAT CD 134 IS THE DARKEST OLIVE AMBER I'VE EVER SEEN



MY SALES TABLE



PICKED UP A FEW ITEMS. A COUPLE ARE KEEPERS.



SOME COLORFUL CORNING AND NO. 4 CABLES



STEVE JONES BROUGHT SOME CLASSIC POWER FOR SALE OR TRADE.



BRENDA AND AL VISIT WITH DARRYL RICHARDSON (R). DARRYL IS ALSO ACTIVELY SEEKING THREADLESS FOR HIS COLLECTION.



WE HAD A PRETTY DECENT TURNOUT OF DEALERS AND COLLECTORS



SHOW HOST JOHN RAJPOLT AT HIS TABLE (R) AS STEVE JONES GUARDS THE GOODS.

NWIC FALL MEET INSULATOR SHOW

SHOW REPORT BY KAREN YENNIE * NIA #6295

The fall get together on October 2 was a fun chance to reunite with many friends after events slowed to a crawl during the pandemic. Mike Braun hosted the event and the new location at Glen Park in River Falls was very well received. The Pavillion has full windows on 3 sides for maximum light on our treasures and as the day warmed, the glass garage doors on the north side were opened for a breath of fresh air. The building is surrounded by open space lawns and attendees were able to gather outside on the picnic tables to visit and park goers were able to get a peek at some glass and porcelain treasures.

Our day started early with an 8:00 open but our faithful dealers were waiting for the door to open long before then. As usual, distance is no deterrent to getting out to the show and members from Iowa, South Dakota, Illinois, Minnesota and Wisconsin were eager to buy, sell and trade. We welcomed Lavonne Sharp after a 2 yr absence. Husband and veteran collector Bill Sharp passed away shortly before the pandemic so we were all happy to have Lavonne with us again, selling insulators and knitting her beautiful creations.

Many pieces found new homes. An Edison battery jar complete with the plates and Edison battery jar lid was sold as well as 2 Poland

insulators and an airport light with red lens which were unusual finds. Dave S snagged a cobalt blue CD 162 among other pieces. Porcelain pieces from stringers to spools found new homes. A CD 257 Mickey in electric blue, a CD 162 amber HG Co smooth base and CD 122 McLaughlin in depression glass green all went to their new home in Wisconsin.

The auction is now a regular feature with always a few surprises on the block. A radio box-minus innards- was the most unusual but was quickly snapped up and is now in process of being cleaned.

Lunch of pulled chicken sandwiches with pot luck sides was an absolute feast. We can count on being fed well by our fellow club members.

Everyone pitched in to clear the hall, clean up the food, put away tables and chairs and sweep the floor so the pavillion could be used by another group right after us.

Many thanks to all who made the day a fun event getting together with old and new friends. 🍷



HUNTING INSULATORS IN THE LAND DOWN UNDER IN WOMBAT COUNTRY

BY ALAN DAWSON



COMMON WOMBAT KNOWN AS 'FRED' WHO RESIDES AT CLELAND WILDLIFE PARK

My wife and I live near the Barossa valley in South Australia and like to hunt for insulators along abandoned rural rail lines. Occasionally we get information from farmers leading to old disused telephone lines serving farm houses. Early in the last century farmers had to establish and maintain their personal phone lines. They typically used cut trees for poles and fencing wire for cables. Insulators were whatever could be sourced at the time. We had a great hunt recently along such a line. The majority of poles were on the ground and the wire had been removed. The country was very dry and there was a good number of active wombat warrens. We saw no wombats because they're largely nocturnal. A person wouldn't have much difficulty crawling into one of the burrows.



WOMBAT TUNNELS (ABOVE AND TO THE RIGHT)

HUNTING INSULATORS IN THE LAND DOWN UNDER IN WOMBAT COUNTRY

(CONTINUED)



SOME OF THE OLD TELEPHONE POLES WITH THE INSULATORS ON THE ABANDONED LINE WE FOUND WHILE HUNTING IN WOMBAT COUNTRY

U-1584: Australia



2" X 2 3/4" (49mm X 67mm)

No markings

Picture courtesy Bob Scafe



U 1584 AND IT IS ATTRIBUTED TO KOSTER POTTERY, A SOUTH AUSTRALIAN FIRM.



ALAN AND NINA



BORDER STATES ANTIQUE MART SHOW & SALE

SEPTEMBER 18, 2021 * SHOW REPORT BY BILL SNELL * NIA #2624

Western Kansas has lacked an insulator or bottle show for some years now. The demise of the annual general antiques show in Lawrence, Kansas, led to an opportunity for Darryl Wagner and Mark Law to inaugurate the Border States Antique Mart, with an emphasis on bottles, jars, and insulators. Dealer tables featured a wide variety of other items, too, including stoneware, postcards, telephone memorabilia, automotive collectibles, and all kinds of vintage and antique advertising items. One dealer told me how pleased he was at both the variety and the quality of the small antiques and collectibles. This is no flea market!

Insulator dealers represented the states of Kansas, Missouri, Colorado, Iowa, Texas, and Nebraska. A number of notable insulators turned up and many found new homes, including several CD 735 Mulford & Biddle U.P.R.R. "pilgrim hats." These are great historical relics from the early days of the Transcontinental Railroad. In addition to the colorful array of CD 162s that one would expect to find in the area, many colored porcelain insulators found buyers, too. A CD 690 L'Electro Verre, which was made in France but used in Viet Nam, sold quickly. The new owner was delighted to add this rarity to his collection.

The hosts are already making plans for next year's show, and the hall has plenty of room for more tables. The central location draws many collectors of all types, so you'll want to consider a trip to Lawrence in September of 2022.



WHEN WAS THE LAST TIME YOU SAW A CD 690 L'ELECTRO VERRE T-BAR FOR SALE? THIS BEAUTY FOUND A HAPPY BUYER AT THE SHOW.



MARCIA AND ED CARNEY LOOK AT THE GREAT SELECTION OF INSULATORS THAT BOB SCHWARTZ BROUGHT



SHOW HOST DARRYL WAGNER CHATS WITH DIANA AND CHARLIE MAISEROLLE.



BOONE JEFFERS AND JENNIFER VERBICK HAD A GREAT SELECTION OF INSULATORS, BOTTLES AND JARS, AND A FEW OTHER INTRIGUING ANTIQUES.



DENNIS AND JEANNE WEBER AT THEIR TABLE OF INSULATORS AND TELEPHONE ITEMS.



IN ADDITION TO INSULATORS, ALISON FEA AND SEAN DUFFY SOLD (AND MODELED) THESE FANTASTIC VICTOR LOGO T-SHIRTS.



GARY FINE MADE THE TRIP FROM TEXAS AND FOUND A FEW NEW ADDITIONS TO HIS COLLECTION, AND BRISK SALES, TOO.

BORDER STATES ANTIQUE MART SHOW & SALE

(CONTINUED)



ROSS BAIRD ALSO MADE THE TRIP FROM TEXAS, AND HIS TABLE HAD A WIDE VARIETY OF INSULATORS IN ALL PRICE RANGES.



MVIC PREZ CRAIG SCHELOSKI AND SCOTT MILLER TALK WITH BRUCE BETHKE. MANY OF CRAIG'S PORCELAIN PIECES FOUND NEW HOMES DURING THE SHOW.



BRUCE BETHKE AND BOB SCHWARTZ HAGGLE OVER THE AQUA PIECE THAT BOB HAS ON HIS THUMB.

COLLECTIONS WANTED

Up to 300% of book price paid for some pieces



NO GAMES. JUST CASH FAST!

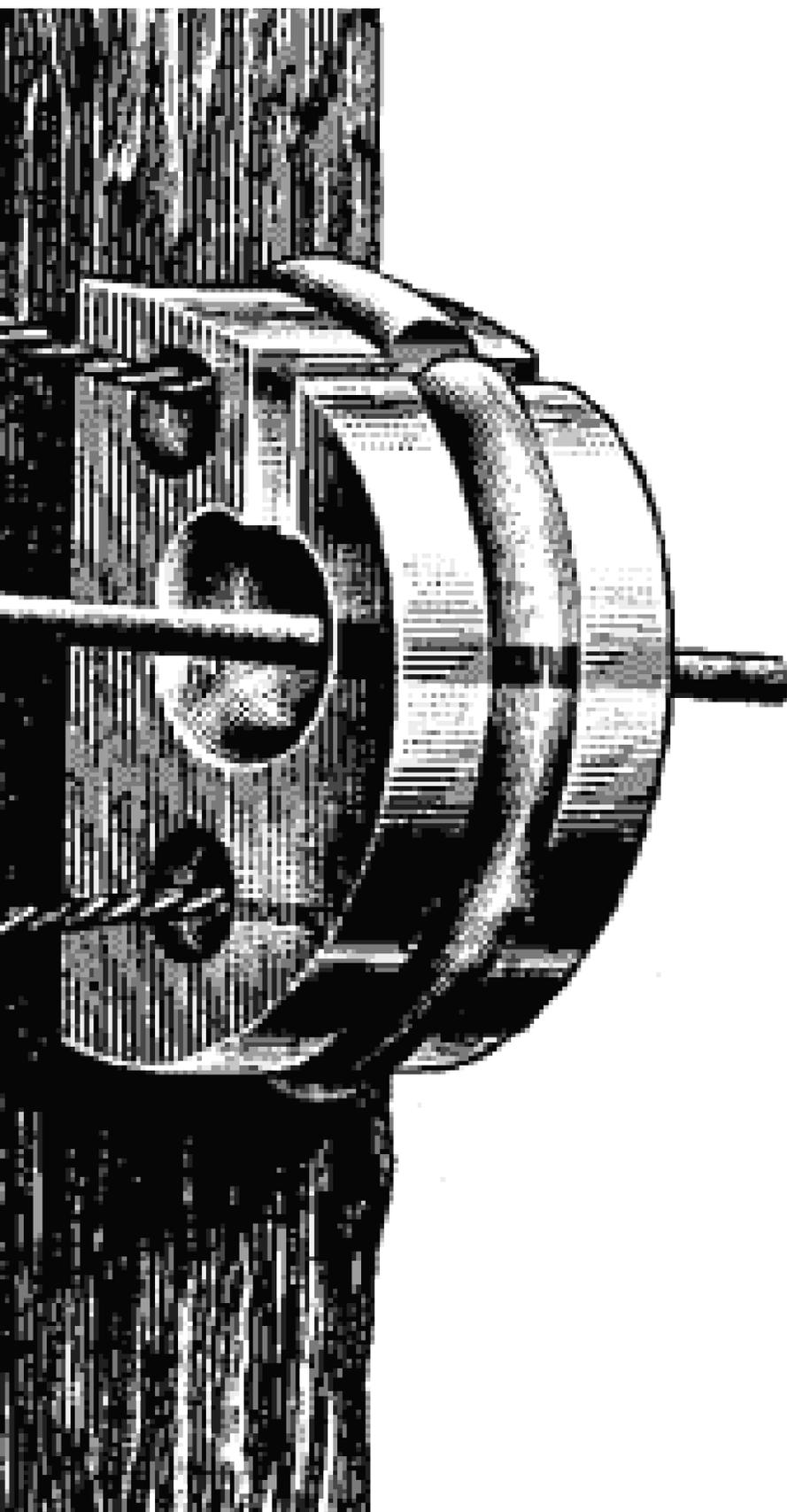
NEW ENGLAND AREA, including NY & PA

BRIAN RIECKER- 23 year NIA Member- 620*779*1741

TOP CASH PAID

THE CUTTER TREE INSULATOR

BY DOUG RUSHER * NIA #1773



Many thanks goes out to the folks who helped me put this article together—Brian Smith who supplied many of the photos of his fantastic collection of Cutters, Lou Hall, Richard Case and of course John and Carol McDougald for this terrific writeup they did and was gracious enough to share it with the NIA. I really hope everyone enjoys it.

"Scott C. Cutter, ex-Mayor of Oswego, [Illinois] is one of the popular men of Kendall County, one whom his fellow townsmen are proud to honor, as one of the most progressive and public-spirited citizens of this locality. He was born in Oswego Township, November 5, 1874, a son of Henry C. and Mary (Fox) Cutter." So wrote Newton Bateman and Paul Selby, editors of Historical Encyclopedia of Illinois and History of Kendall County, Vol.II, Chicago, Munsell Publishing Company, 1914.

Cutter was educated at Oswego High School and graduated with a degree in pharmaceutical chemistry from Northwestern University in 1905. He established himself in business with the purchase of the W.T. Putt drug store in Oswego. He was active in village politics and the Republican party. Cutter was elected Oswego's mayor twice and "Oswego never had so efficient an executive officer, and under his wise, businesslike administration, many important civic improvements were made, and others started. Mr. Cutter is a man of education, and wide experience, and deeply imbued with a love for his native country."



CD 1038 is embossed on the top of the insulator in a two inch diameter slug. It reads: "CUTTER APRIL 26, 04". Some units have a taller base and can measure from 1/2" to 1" from the tie holes to the base. Most units are a dark aqua, but they have also been found in emerald green.

THE CUTTER TREE INSULATOR

(CONTINUED)

Scott C. Cutter was issued a patent on April 26, 1904 for an insulator "which would support wires running through trees and [used] where it may be impossible or undesirable to set poles, also where a plurality of wires run through a tree and it is desired to prevent such wires from crossing or touching each other during a wind."

The glass Cutter "tree insulators" had two holes through the belly of the insulator through which a wire or rope could be passed in order to secure the insulator to a tree limb. The original patent indicated that the insulator would also have two lugs with holes on the base in order for a nail or screw to fasten the insulator to a tree. However, there have been no glass insulators found that were manufactured with the fastening lugs.

On August 13, 1924, Cutter was issued a second patent in which he stated "It is the practice to secure these insulators to a tree trunk or limb by means of girdling the trunk or limb, but there is frequently objection to this girdling, and the primary object of my present invention is to provide means for securing the insulator to the trunk or limb without girdling it." The invention was for a bracket to be used in conjunction with a tree insulator made of porcelain.

To our knowledge, the glass Cutter insulator was never used with the bracket and was installed by girdling the limb or trunk of the tree with a wire or rope. The glass Cutter is also found with two different bases. One is a ribbed bottom which was described in the 1904 patent as a means of providing traction during the installation of the unit. The other base is referred to as a "coffin" bottom and has a rectangular depression in the base. This style may have been designed to receive a bracket, however, there is no documented evidence for this theory.

The son of Scott C. Cutter became an employee of the Edison Electric Company of Illinois and it may have been his father's interest in electricity that led him into the electrical profession. Several years ago a mold for the porcelain Cutter tree insulator was recovered out of the Cutter family home in Oswego. To date, no mold for the glass style has been found.



Cutters grown into trees, from the Brian Smith collection and from the Tom Nugent Collection Photo By Richard Case

THE CUTTER TREE INSULATOR

(CONTINUED)

No. 758,175.

PATENTED APR. 26, 1904.

S. C. CUTTER.
INSULATOR.

APPLICATION FILED DEC. 11, 1902.

NO MODEL.

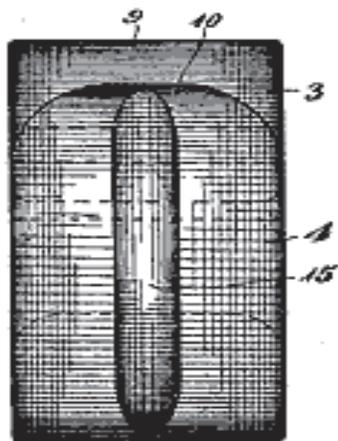


Fig. 1

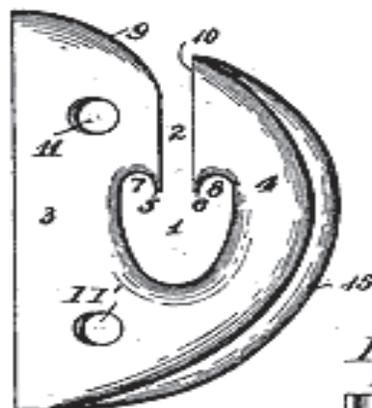


Fig. 2

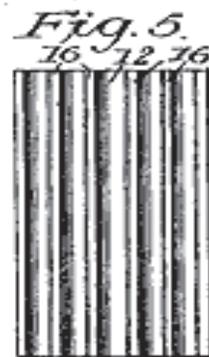
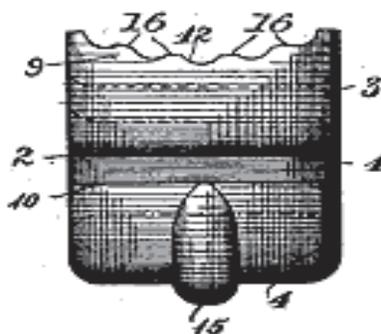
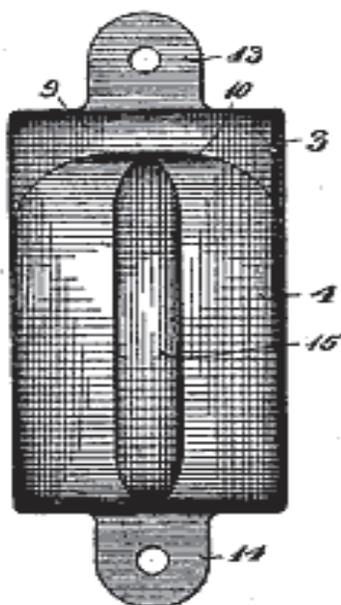


Fig. 5.
16, 12, 16

Fig. 4

Fig. 3



Witnesses:
Leonard W. Novander.
Charles J. Schmidt.

Inventor
Scott C. Cutter
By *Charles A. Brown*
Attorney

No. 758,175.

Patented April 26, 1904.

UNITED STATES PATENT OFFICE

SCOTT C. CUTTER, OF OSWEGO, ILLINOIS. INSULATOR.

SPECIFICATION forming part of Letters Patent No. 758,175, dated April 26, 1904.
Application filed December 11, 1902, Serial No. 184,783. (No Model.)

To all whom it may concern:

Be it known that I, SCOTT C. CUTTER, a citizen of the United States, residing at Oswego, in the county of Kendall and State of Illinois, have invented a certain new and useful Improvement in Insulators, (Case No. 1,) of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to electrical insulators, and particularly to a class of insulators adapted for application to the trunk or limbs of a tree to support a wire leading through the tree and to insulate the tree against the destructive effects of any currents which may flow through the wire.

My invention has for its object an improved insulator which may be securely attached to any part of a tree in a manner not injurious to the tree and which affords a simple means whereby a wire may at all times be retained by the insulator without being tied or otherwise fastened thereto to allow the insulator to move relative to the wire so that the wire will not suffer strains as the tree sways back and forth.

My improved insulator is particularly adaptable where it is desired to support wires running through trees and where it may be impossible or undesirable to set poles, also where a plurality of wires run through a tree and it is desired to prevent such wires from crossing or touching each other during a wind.

In general the insulator may effectively be employed whenever it is desired to allow relative motion between the insulator and supported wire and wherever it would be injurious or objectionable to use screws or other penetrating means for securing the insulator in place.

I shall describe my improved insulator and its construction more clearly with reference to the accompanying drawings, in which--

Figure 1 is a front view. Fig. 2 is a side view. Fig. 3 is a top view. Fig. 4 shows a modification. Fig. 5 is a back view thereof. The insulator is composed of insulating material, preferably glass, and has primarily the shape of a short half-cylinder. Extending preferably, about through the middle of said insulator in an axial direction is a bore or hole 1, through which the wire to be supported passes. A narrow slot 2 extends vertically downward into said bore 1 to provide an entry means for a wire into said bore and divides the insulator into a body portion 3 and a hook portion 4. The lower edges 5 and 6 of said slot 2 are extended downward into bore 1 to form retention-pockets 7 and 8 for preventing the wire from entering slot 2 to leave the insulator. The head 9 of the body portion 3 is rounded into said slot 2 to afford a smooth guiding surface for a wire into said slot. The slot-face 10 on the hook portion 4 protrudes far enough above the rounding of the head 9 to further guide the wire into the slot and to prevent it from going beyond the slot, and thus falling from the insulator. To strengthen the hook portion 4, I preferably extend a rib 15 along the entire length thereof.

As a means for fastening the insulator with out the use of nails, screws, or the like I preferably provide holes 11 and 11' through the upper and the lower part of the body portion and parallel to the bore 1, through which holes a tie wire or

THE CUTTER TREE INSULATOR

(CONTINUED)

rope may pass to secure the insulator against the object to be insulated--for example, the limbs of a tree.

The insulator has, preferably, a cylindrical back 12, adapted, preferably, to fit an average circumference, said back 12 having preferably vertical corrugations or ridges 16 to give a more secure hold and principally to prevent the insulator from sliding around the circumference of a pole or limb on which it is supported.

The edges of the bore 1, pockets 7 and 8, and hole 11 are well rounded to avoid chafing or cutting of the wire to be supported and of the tie wire or rope securing the insulator to its support.

The slot 2 may be made of any width, but preferably just wide enough to allow the wire to be supported to comfortably pass there-through.

It may sometimes be necessary or desirable support the insulator by means of nails, screws, or the like, and to enable this I may provide the insulator with two lugs 13 14 on the body portion 3, said lugs being apertured to receive a nail or screw, the insulator being thus adapted for either mode of support.

Having thus described my invention, I claim as new and desire to secure by Letters Patent--

1. An insulator composed entirely of insulating material and having a corrugated back, a horizontal bore, and a vertical slot leading to said bore, the head of the insulator being rounded into said slot, the lower edges of said slot extending into said bore to form retention-pockets, substantially as described.
2. An insulator composed entirely of insulating material and having a corrugated back, a horizontal bore, a vertical slot leading to said bore the head of the insulator being rounded into said slot, the lower edges of said slot extending into said bore to form retention-pockets, and means whereby said insulator may be secured to a support, substantially as described.
3. An insulator having a body portion with a corrugated back, a hook portion, a slot between the end of the hook portion and the body portion, the lower edges of said slot extending into the bend of the hook portion to form pockets, the upper edge of said slot on the body portion being rounded, the other edge remaining to form a guide, and means whereby said insulator may be secured to a support.
4. An insulator having a body portion with a corrugated back, a hook portion, a slot between the end of the hook portion and the body portion, the lower edges of said slot extending into the bend of the hook portion to form pockets, the upper edge of said slot on the body portion being rounded, the other edge remaining to form a guide, and a hole through said body portion whereby the insulator may be tied to a support, substantially as described.
5. An insulator composed entirely of insulating material and having a corrugated back, a horizontal bore, a vertical slot leading to said bore the head of the insulator being rounded into said slot, the lower edges of said slot extending into said bore to form retention-pockets, and holes through said insulator for receiving a wire, whereby the insulator may be tied to a support, substantially as described.
6. An insulator having a body portion 3, with a corrugated back 12, a hook portion 4, a vertical slot 2 between the end of the hook portion and the body portion, the lower edges 5 and 6 of said slot extending into the bend 1 of the hook portion to form retention-pockets 7 and 8, the head of the insulator 9 being rounded into said slot, the other edge 10 of the slot remaining to form a guide for the wire into said slot, and holes 11 11' through said body portion for receiving wires whereby the insulator may be tied to a support, substantially as described.

In witness whereof I hereunto subscribe my name this 1st day of December, A. D. 1902.

SCOTT C. CUTTER.

Witnesses:

LYNN A. WILLIAMS,
HARVEY L. HANSON.

THE CUTTER TREE INSULATOR

(CONTINUED)



COFFIN BOTTOM



CUTTER COFFIN BOTTOM HEIGHT VARIATION



RIBBED BASE



RIBBED BASE AND COFFIN BOTTOM BASE



THE SCOTT C. CUTTER GLASS TREE INSULATOR
Used for Telephone or Light

Can be attached to any limb without cutting of wires directly at seat of trouble. Forms no strain on wires. Lines cannot possibly ground. Maintenance reduced one-half. Chicago Telephone Company uses no more insulated wire but does use Cutter Tree Insulators.

SCOTT C. CUTTER, Oswego, Ill.



A COLD MOLD CUTTER



COLD MOLD TOP



A GREEN CUTTER WITH SWIRLS

THE CUTTER TREE INSULATOR

(CONTINUED)



GREEN CUTTER



This Cutter is from our good friend, the late Bill Reid, and the two tags say "This cutter just doesn't cut it. It's way too full of air!" and on the other tag it says, "Collectors are buying glass, not air! Sell this very cheap!" For those of you that didn't have the pleasure to know Bill, he was a character, and he sure is missed.



CUTTER WITH BASHED IN BASE



TWO INCH DIAMETER SLUG. IT READS:
"CUTTER APRIL 26,04"



CUTTER WITH MISALIGNED TOP



CUTTER WITH WIRE RUBBED GROOVES



ULTRA RARE REVERSE COFFIN BOTTOM



ULTRA RARE REVERSE COFFIN BOTTOM

578

ILLINOIS ELECTRIC COMPANY, CHICAGO.



GLASS TREE INSULATORS FOR TELEPHONE OR ELECTRIC LIGHT USE

Can be attached to any limb regardless of position without cutting of wires. Gives complete insulation at all times, and free motion of limb without strain on wire. Can be reversed or inverted so as to pull wire up or down to obtain best results. Can be used on bare wire if desired. A money saver in stringing wire through wooded districts permanently or temporarily.

Code Word	Standard Package	Weight Per 1000	Price Per 1000
Inking	Telephone Size, holds 1/4 in. wire...	150	1333 lbs. \$85.00
Inking	Electric Light Size, holds 1/4 in. wire	150	1600 lbs. 75.00

PORCELAIN TREE INSULATORS



THE CUTTER TREE INSULATOR

(CONTINUED)

1,620,804

UNITED STATES PATENT OFFICE.

SCOTT C. CUTTER, OF OSWEGO, ILLINOIS. INSULATOR.

Application filed August 13, 1924. Serial No. 731,731.

My invention relates to electrical insulators and particularly to that type of electrical insulators which are adapted to be attached to the side of a tree trunk or limb, either because the tree is to be used as a support or because it is an obstruction, or both, in order to protect the same and to support and protect current carrying wires. Types of such insulators are shown in my United States Letters Patent No. 758,175, dated April 26, 1904, and in my co-pending application for United States Letters Patent Serial No. 651,269, filed July 13, 1923.

It is the practice to secure these insulators to a tree trunk or limb by means of wires or the like girdling the trunk or limb, but there is frequently objection to like girdling, and the primary object of my present invention is to provide means for securing the insulator to the trunk or limb without girdling it. Secondly, it is my object to provide such means that the insulator per se may also be adapted for attachment by girdling, thus giving the user the choice of supporting the insulator in either way. It will be seen that the structure of my invention may be employed not only upon trees, but also on poles or building walls or, indeed, on any support or obstruction where side attachment is necessary.

My invention is illustrated in the accompanying drawings, in which,

Fig. 1 is a side elevational view showing the structure of my invention applied to a tree trunk;

Fig. 2 is a front elevational view of the device;

Fig. 3 is a plan view thereof;

Fig. 4 is a front elevational view of the cradle member which will be referred to; and

Fig. 5 is a horizontal cross-sectional view, on an enlarged scale taken on the plane of the line 5-5 of Fig. 2, looking in the direction indicated by the arrows.

The insulator, per se, is shown at 6. It is preferably of porcelain and is provided with a transverse pocket 7 for the reception of the electrical conductors 8, 8 as indicated in Fig. 1. A slot 9 leads into the pocket 7, and re-entrant projections 10, 10 guard the inner end of the slot in order to prevent inadvertent release of the conductors.

Near the top and near the bottom, the insulator 6 is provided with transverse bores 11, 11. By this means the insulator may be attached directly to a tree trunk or limb by means of wires or cables passing through these bores and girdling the trunk or limb. The back of the insulator is curved, as shown, so as better to fit a tree and is preferably fluted.

To avoid girdling, however, I provide a cradle member, preferably of sheet metal, comprising a back 12, preferably curved to follow generally the back of the insulator, forwardly extending side flanges 13, 13, and forwardly extending ears 14, 14. The back is provided with two circular depressions 15, 15, one near the top and the other near the bottom thereof, and in each depression an opening 16 is formed, these openings being for the reception of screws or nails 17, 17, by means of which the cradle member is attached to the tree trunk or limb as shown in Fig. 1. The beads of the nails or screws are lodged in the depressions, as best shown in Fig. 5. The ears 14, 14 overlap the ends of the bores 11, 11 and are each provided with an opening 18 registering axially with the adjacent bore, thus providing an arrangement whereby bolts 19, with nuts 20, may pass through the bores 11, 11 and the adjacent openings 18, 18 to clamp the insulator in the cradle member, as shown.

The cradle member may be formed of suitable weather resisting insulating material, but when it is formed of metal it should be formed and proportioned, relative to the insulator, as shown, so that its edges lie well inwardly of the edges of the insulator so that it is impossible for the conductors to touch the metal or to come so close thereto as to permit an arc.

The cradle is first nailed or screwed to the tree trunk or limb, pole, building or other support or obstruction, in the desired position, then the insulator is inserted therein, then the bolts are applied, tightly clamping the insulator in the cradle, and then the conductors are passed through the slot 9 and into the pocket 7.

I claim:

1. An insulator mounting comprising a back piece having a substantially curved surface against which an insulator may be disposed, two pairs of ears extending from the back piece, one pair being adapted to embrace the upper portion of the insulator and the other pair being adapted to embrace the lower portion of the insulator, a member connecting each pair of ears adapted to fasten the insulator to the mounting and means back of each pair of ears for enabling the mounting to be attached to a support.

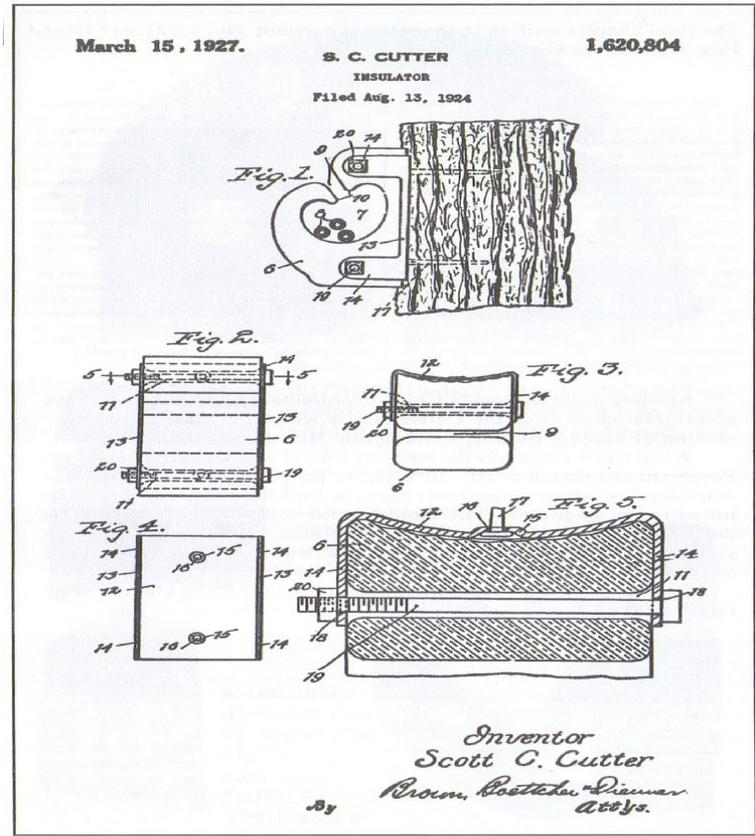
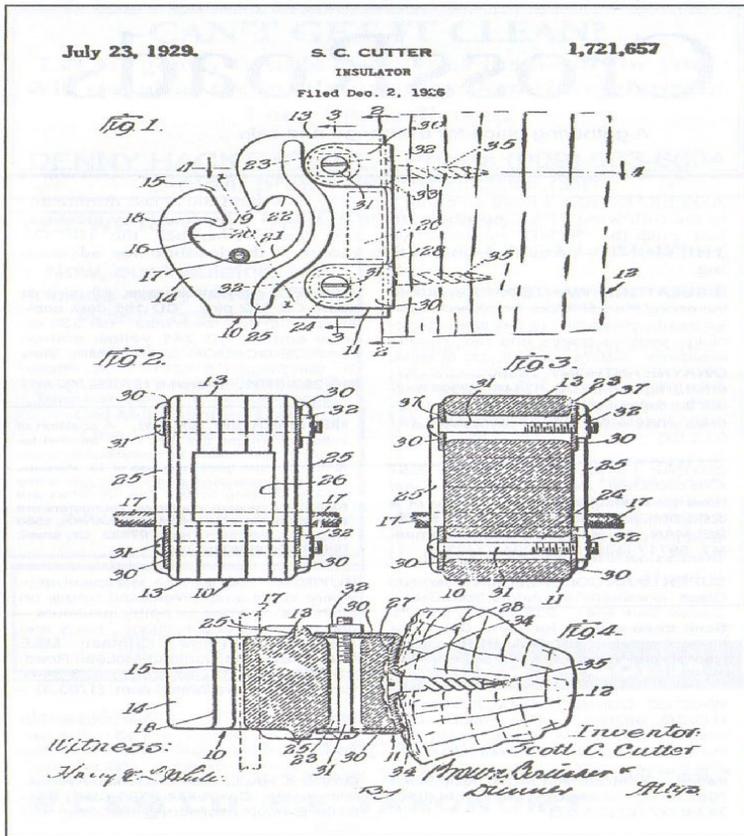
2. In combination, an insulator having a pocket for receiving a wire conductor, a mounting member comprising a back piece against which the insulator may be disposed, said back piece having connected thereto two pairs of ears extending laterally therefrom, one pair being adapted to embrace the upper portion of the insulator and the other pair being adapted to embrace the lower portion of the insulator, a member connecting each pair of ears and extending through the adjacent portion of the insulator for securing it to the insulator, said members being located directly above and below the pocket in the insulator and a fastening element back of each pair of ears for enabling the mounting to be attached to a suitable support.

In witness whereof, I hereunto subscribe my name this 11th day of August, 1924.

SCOTT C. CUTTER.

THE CUTTER TREE INSULATOR

(CONTINUED)



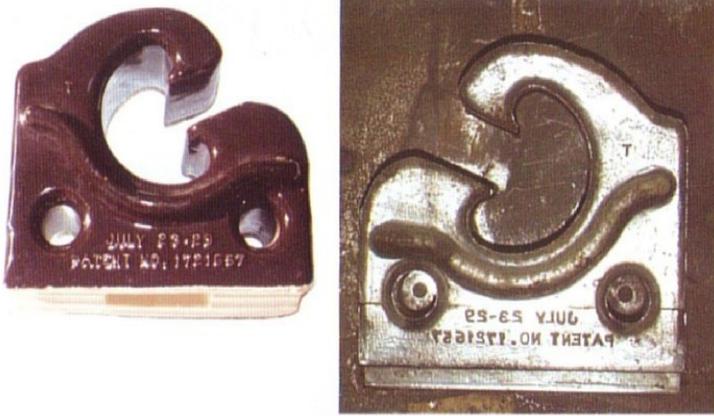
PORCELAIN SHOWING HOW TO ATTACH BRACKET TO TREE OR TIMBER



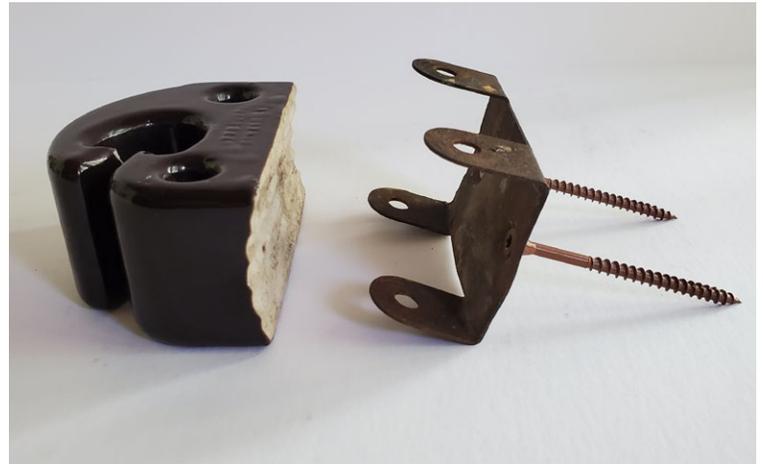
DIFFERENCE IN THE TWO STYLES OF PORCELAIN BASES

THE CUTTER TREE INSULATOR

(CONTINUED)



CUTTER MOLD FROM THE TOMMY BOLACK COLLECTION



PORCELAIN WITH BRACKET



LARGE AND SMALL PORCELAIN WITH BRACKETS



LARGE AND SMALL PORCELAIN CUTTERS

Wanted: Glass and Porcelain Pin Bases
John de Sousa • NIA #419
jdrunabout@gmail.com

BETHLEHEM STEEL MILL HELMET FINDS

BY MIKE "THE HELMET HOUND" DELOIA

I was incredibly fortunate to recently have been involved with a really great Helmet find: 5 pieces that at first looked like soot covered 259's, which in all honesty would have been really cool. What we had when they were flipped over and I could see the bases were an Oakman 259, a very tough SDP 259, and 3 (that's right 3) Cable 260's!!! As a Helmet collector I was just blown away when I saw them; those 260s are incredibly difficult to find in any condition, but soot covered? Never. They came out of Bethlehem Steel in PA originally and apparently spent some time in the garage in crates. I definitely see these as found pieces becoming more popular with collectors. These 5 will stay as they are and together as they were in the mill. ▲



ROHDE-MERZOIAN BBQ & TAILGATER

SHOW REPORT BY LOU HALL * NIA #7185

The Rohde Ranch in Fresno, CA was the site of Bill Rohde's 25th Annual Tailgater and BBQ held Saturday, September 25, 2021. Wait a minute, that gathering has taken place in April every year, right? Well, as you are all aware, the last couple of years of pandemic created a lot of change and adjustment. Since the April, 2021 date was still an "iffy" situation Bill and Kat decided to reschedule to a date later in the year. After discussion with Bob and Mark Merzoian who normally host a show in August the Merzoian brothers also rescheduled their gathering this year and combined their efforts with Bill and Kat. Thus we have the Rohde - Merzoian Tailgater and BBQ.

Although the show is advertised as a Saturday event it really starts on Friday - early Friday! Those who were up early and were willing helpers gathered for Friday breakfast at a local restaurant and then headed out to the ranch to set up, place and cover tables, distribute chairs and load coolers with ice and drinks. By mid-morning all was in readiness - Well almost! It seems that a garden hose had been left running overnight creating a good sized area of mud and water in part of the table area. But, as is always the case with insulator collectors, several of the guys grabbed shovels and rakes and spread a truck load of gravel that Bill happened to have stockpiled nearby. In no time at all, the muddy area was usable again.

By mid morning Friday show attendees started arriving and unloading, filling tables with lots of insulators and other collectible items. And so, by noon, the buying, selling, trading and talk had begun. People were beginning to gather from far and wide in the Rohde back yard under the huge old Mulberry trees that provided a fantastic canopy of shade.

Food seems to play an important part of any gathering and the Rohde Ranch event is no exception. Because of the number of folks in attendance Friday evening pizza was ordered. The pizza feed, as well as the multitude of snacks that were provided on the serving tables throughout the day, was much appreciated by all. Duane Davenport made a surprise appearance bringing his keyboard with him. Duane entertained the folks during the evening gathering providing some up-tempo music and song.

It is "O dawn-thirty" Saturday morning and collectors that camped on the property began to find their way to the show tables. Bill had the coffee and donuts at the ready! Many more collectors and friends began arriving. A multitude of California collectors were joined by collectors representing the states of Arizona, Colorado, Connecticut, Montana, Nevada, New Mexico, New York, Ohio, Oregon, Texas, Utah and Washington were in attendance. Bill had created lots of new parking area which turned out to be a good thing because of the number of people coming from everywhere to enjoy the traditional day! This was the first Rohde Ranch show for a number of attendees. Also, there were a lot of new people who are just beginning their collecting

hobby. We also observed that our next generation of collectors was also well represented. Bill estimated that attendance was well over 250 folks. I want to apologize to everyone for not listing your names because that is just too many names for this old reporter to remember and accurately recognize.

Beginning on Friday, once again, Bill started preparing the deep pit BBQ. A fire was built in a previously dug pit until a hot bed of coals was created. Huge chunks of meat wrapped in foil and burlap were placed in a metal box, covered with a metal lid, lowered into the pit, and then the pit was filled with dirt. The meat was left to cook overnight until it was dug up just prior to noon on Saturday. As usual, people gathered around to watch as the meat was lifted out of the pit, unwrapped and prepared for serving. As the noon hour approached food began to be set out! Bill filled the serving tables with pans of BBQ brisket and Corned Beef while Kat and her helpers brought out beans, green salad, macaroni salad, rolls, etc. The meal included a delicious new rice entrée prepared by Bill.



The tradition of the ringing of the dinner bell was a bit different this year. Bill acquired a Santa Fe railroad crossing bell which was powered up and rung by Mike Stafford (son of Bob and Mary Stafford, long time collectors and friends of the Rohde family). Tim Wood provided a blessing and everyone lined up to help themselves to a fabulous BBQ feast. Bill Heitkotter, a long time attendee, was heard to comment that he had never seen the line that long! The meal was followed up with another tradition: the serving of chocolate cake (this year in the form of cupcakes) with coffee flavored frosting and ice cream sandwiches.

We would like to say "Thank You" to Kat's granddaughter, Miriam Garza, who politely made sure that all guests had the opportunity to receive a flashlight commemorating the 25 anniversary of the Rohde Ranch BBQ. Miriam, you did a wonderful job!

Bill and Kat wish also to acknowledge and offer up their special thanks to those who, after loading up their personal items, took the time to stay and gather up the table coverings, to break down and stack the tables on pallets, and to gather, fold and stack all of the chairs. Your effort and kindness lifted much of the after-the-show burden off the shoulders of an already tired couple of show hosts. Again to you all: THANK YOU.

And, of course, a heart-felt THANK YOU" must go to Bill and Kat as well as Dave Brown, and Bob & Mark Merzoian. Entertaining and hosting takes so much planning and work to make it seem "effortless." They literally worked for weeks and even months to create a wonderful experience for their guests. Kat is a wonderful hostess working right alongside Bill to make sure every detail of the day is planned for and taken care of. 🐾

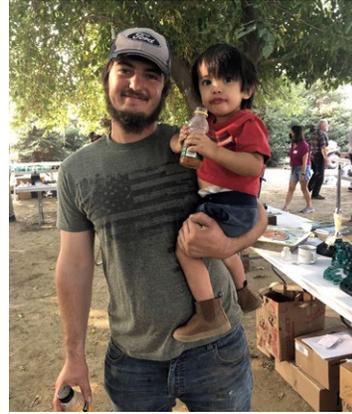
ROHDE-MERZOIAN BBQ & TAILGATER

PHOTOS BY LOU HALL & MID NORRIS



ROHDE-MERZOIAN BBQ & TAILGATER

PHOTOS BY LOU HALL & MID NORRIS



DID YOU KNOW?

BY DON BRIEL * NIA #7218



Why does anyone want to collect insulators? Firstly, as a participant in the insulator collecting hobby you will meet some of the nicest people you could ever want to meet. They share an intriguing hobby that may seem rather strange to many. They collect electrical insulators, items that were made by

the millions and never intended to be an object of beauty. Soooo . . . what's so special about these objects that anyone would ever want to collect them?

Insulators are small, beautiful tokens of one of the most rapidly advancing segments of technology for the past two centuries -- electricity. Electrical insulators are to be found anywhere

electricity is controlled and used for any purpose. Of particular interest to collectors are insulators that were used to insulate conductors (*wire*) from other conductors and attach them to supporting structures. These were first invented in the early to mid-1800's. Early uses included supporting telegraph wires and soon after, power generation and transmission. They have also been used for lightning rod systems, telephone lines, railroad signaling, radio antennas, etc. Like most rapidly advancing technology, they were very heavily used until being replaced by

newer technologies -- insulated wire, then wireless. The most widely collected insulators are primarily made of glass or porcelain, but they have also been made from wood, composite, plastic, rubber, etc. The shapes and colors are endless.

The reasons for collecting insulators are as varied as the insulators themselves. Some of the many reasons to collect insulators include personal enjoyment, curiosity, beauty, art forms, history preservation, educational pursuits, social interaction, thrill of the hunt, financial, etc., etc., etc. Most collectors have more than one reason to collect and those reasons may well change over time.

There is inevitably a personal enjoyment aspect to collecting insulators that is part of every other reason for nearly every collector. While there are a few thousand serious collectors, I would suggest there are many



CD 214 Red Pyroglazed Glass

thousands of people that own an insulator. Many find one and just hold onto it as a curiosity piece. What a conversation starter when seen sitting on one's mantle or bookshelf. They really can be quite attractive and a unique piece of history. For every person that has an insulator there are probably dozens of people that would like to know -- what are they? How were they used? What more can you tell me about them?

Many serious collectors like researching the history behind each unique insulator. Some like researching the entire technological history of why and where they were used in the first place. Some go so far as to document their research for the benefit of other collectors via articles, photos, books, etc. Seek out the many resources!

The social aspect of collecting insulators draws in many people. This hobby really comes alive at shows. Serious insulator collectors tend to be a very close-knit community. There are shows going on all year with at least one insulator show going on nearly every weekend 9 months of the year. Collectors will congregate from hundreds, or even thousands, of miles away for a few hours to a whole weekend of visiting, buying, selling, trading, enjoying great



CD 128 Glass



U 503 Porcelain



San Francisco Wood

DID YOU KNOW?

(CONTINUED)

food, and then even more visiting. The road trip to and from each show can be rather enjoyable. What a beautiful country we live in!

Let's not forget the thrill of the hunt! Whether its trapesing through mud and brush or through antique shops and flea markets, there's always the anticipation of a great find. Not only can insulators be found in unusual places, but so can very interesting go-withs. Not many insulator collectors limit themselves to only insulators. There are many related items like telegraph equipment, telephones, signs, wire, pins, advertising memorabilia, etc. What a diverse hobby!

Then comes the financial aspect. Some people collect insulators as an investment. It seems the value is almost always rising. Some buy and sell insulators as a business or part of funding their hobby. Others simply consider the cost of collecting an expense for having fun. Whatever the reason, the hobby is alive and well with most collectors helping the hobby move forward in some positive way. Welcome to the world of insulator collecting!

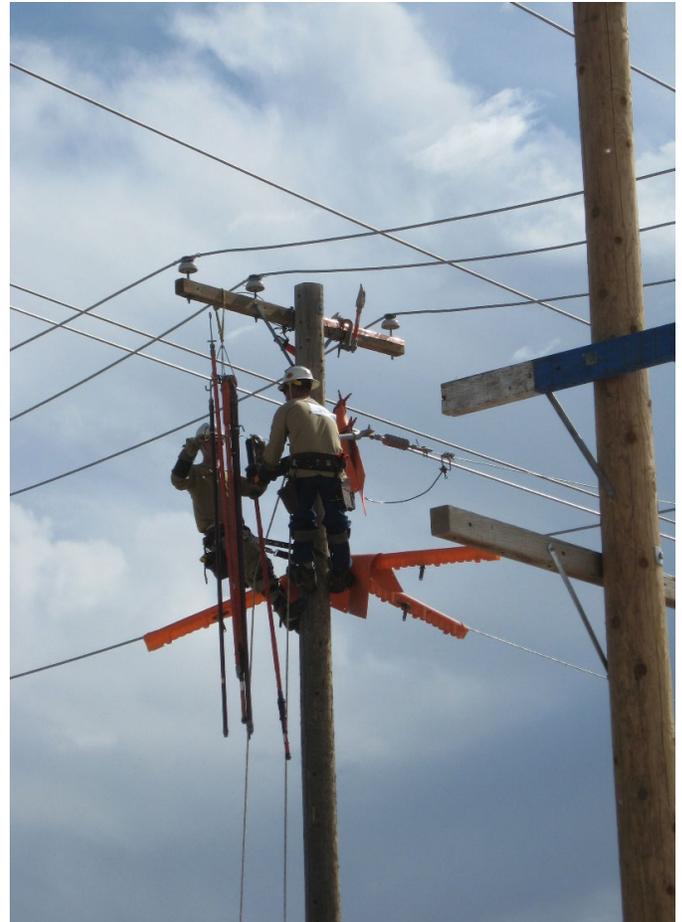
As a hobby, insulator collecting can take up minimal time or be addictive and time consuming. It can be very low cost or require a fortune. It can take up a small shelf or several rooms. Displays can be indoors, outdoors, or both. The scope and focus of the hobby are different for every collector. Each collector sets their own goals. While the goals of every collector may be different, the primary goal for most collectors is to have fun. Let's keep it enjoyable!

So, who are the insulator collectors? While many linemen, phone workers, electrical workers, etc. collect the insulators they see and use on a daily basis, they are far from the only collectors. People in this hobby come from nearly all trades and professions. They represent all ages. All are quickly welcomed into the collecting community. What caught your interest in insulators?

My reason for collecting insulators is to preserve that attractive, but disappearing token of a bygone era while learning about the old electrical technology. Insulators have helped in the amazing advancements from candles to light bulbs, from wood stoves to



electric stoves, from ice boxes to refrigerators, from steam engines to electric motors, from the telegraph to the telephone to today's computerized smartphones, and the list goes on and on. The history behind everything electrical that has led to today's modern conveniences is fascinating and is still being written.



This article has probably created more questions for you than it has answers. While some questions will be answered in future articles, the immediate goal is to get you thinking about why you collect insulators. Knowing why you collect and establishing goals for how you collect will enhance the enjoyment of your hobby for years to come. Once again, and above all, get out and meet other collectors. The social aspect is extremely rewarding. Make the time to have fun while pursuing your hobby!

Happy Collecting!

COLLECTOR THREADS

FEATURING GUS STAFFORD * NIA #8871 * BY MIKE GREEN

Gathered in the large courtyard for lunch formation the astonished spectators couldn't believe their eyes. The plane flew into the central area from out of nowhere. Swooping in lower than the building tops it dove several times doing barrel rolls in between. The cadets were mesmerized by the brazen act and wondered who could be piloting the plane. It was Army-Air Force week at the United States Military Academy at West Point and there were always some wild shenanigans, but no one had ever seen anything like this! The pilot turned out to be none other than USAF Captain Gary Lorenz, the Tactical (TAC) officer for Company C-2 at the USMA. Capt. Lorenz had somehow managed to get ahold of a nimble crop-dusting biplane for the wild "airshow". He was later reprimanded, but the act became one of the great legends in a place filled with 200 years of history and lore. The cadets of C-2 company were of course thrilled to find out their very own TAC Officer had been the bold aviator that day. One of the cadets led the charge to make this a new defining moment for C-2.



C2 Flying Circus Patch

There are 36 Companies at West Point and each has a motto, mascot, or slogan that helps define them and build comradery. The sight of Captain Lorenz buzzing the central area evoked images of WW1 biplanes including the famous Red Baron and his Flying Circus. Soon work began on a new logo for what would become the C-2 "Flying Circus" company. Already an artist who had painted signs in high school a cadet came up with the brilliant idea of incorporating Snoopy and his epic doghouse battle with the Red Baron into the new logo. He decided to write Charles Schulz and was ecstatic when a personal reply from the Peanuts creator granted permission to use Snoopy. The new logo he designed was a huge hit and subsequently became one of the West Point favorites. As you have already guessed that industrious and creative cadet was none other than our very own Gus Stafford.



Gus carrying on the tradition when C2 changed barracks

What makes the story of the Flying Circus Company even better is that it doesn't end there. Gus returned to West Point 28 years later as Chief of Staff and found that due to worries about copyright infringement C-2 had lost the Snoopy mascot a couple years earlier. Gus wrote a new letter to Peanuts International and they gave permission to bring Snoopy back! The story still doesn't end there. Just a few years ago the Flying Circus Company had to change barracks due to renovations taking place at West Point. So back comes Gus as a civilian, with a group of his classmates from USMA '81, to help repaint and recreate all the murals and paintings for the new barracks. From that legendary flight of Capt. Lorenz until today the Flying Circus Company lives on thanks to the efforts of Gus Stafford and the C2 Class of 1981.



Snoopy chasing the Red Barron painting by Gus

Those of us who grew up watching It's the Great Pumpkin, Charlie Brown, vividly remember Snoopy's dogfight with the Red Baron and his escape behind enemy lines. Knowing that West Point has a company with that theme because of Capt. Lorenz's flight has to bring a smile to your face. You're a good man Charlie Brown, aka. Gus Stafford.

COLLECTOR THREADS

FEATURING GUS STAFFORD (CONTINUED)



Little Gus



High school senior 1977

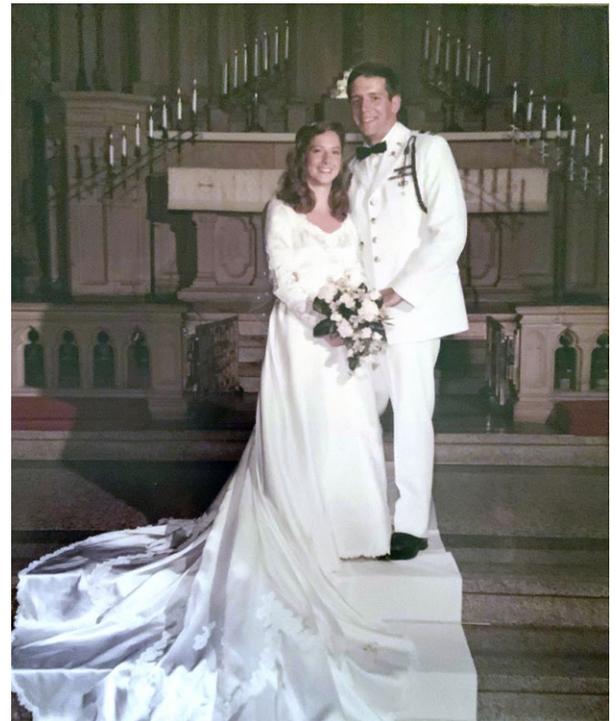


Gus loved Marvel Comics

Gus came into the world in April of 1959 in California. His Dad was a botanist who did inspections of canned produce for several canneries and his Mom was a teacher. Gus grew up loving the outdoors, riding his bike, reading Marvel Comics, and watching classic TV shows like Combat and The Rifleman. One of his favorite childhood stories involves his love of Marvel comic books growing up. He loved all the superheroes especially Captain America. Over time he amassed a sizable collection of comic books many coming from the huge San Jose flea market. Well, one day Mom decided he was spending too much time reading comics and confiscated all of them. Gus was of course greatly saddened but quickly adapted. Playing Army with dirt clod hand grenades and rocks turned out to be a great alternative. Now fast forward about a year and the house is being invaded by termites. As part of the pest mediation all the stuff in the crawl space under the house had to be removed. So, Gus gets the job of crawling around under the house. It seemed like a treasure hunt when Gus discovered a WWII era gas mask hiding down there. Then the jackpot. In the ash dump below the house, he finds the comic books he assumed had ended up in a landfill long ago. Score!! Needless to say, they were carefully hidden from that day forward.

His first exposure to insulators came at Alum Rock Park near San Jose, CA. There in a picnic area were fan lights using CD 280's and CD 1105 spools. Also nearby were purple California Johnny Balls. Gus liked the shapes and colors which sparked his interest. The family moved to Sunol a few years later and Gus found four insulators left behind on a built-in brick barbecue shelf. His father had grown up in Pittsburg, PA, and explained how insulators were everywhere when he was a boy. Gus began sneaking out late at night with his banana seat, stingray bicycle carrying a ladder to gain access to the insulators. He began "liberating" as many as possible including California Hoopskirts.

The family eventually moved to Hollister, CA, and about that time Gus discovered Crown Jewels magazine and his interest in insulators grew. He recalls a flower shop in Hollister that had an amazing display of colorful flowers and insulators including a cobalt EC&M. Gus just loved all the colors. He continued collecting until one day in 1976 he discovered something more interesting... girls! Insulators would come back into his life in a big way, but we'll save that for now. At Hollister High Gus played basketball and tennis, was Student Body President, and did well academically. He was a fine Hollister Haybaler, and yes, that is their mascot.



Marriage to Deb in 1985



Genevieve at an insulator show



Dinosaur fun with Genevieve

COLLECTOR THREADS

FEATURING GUS STAFFORD (CONTINUED)



Gus (second from left) with cadet Captains at West Point

His military career began on July 7, 1977 with his arrival at West Point. Gus sat in the barber chair with his long hair flowing. The barber, "Big Ed" (a 6'5" flat-topped mountain), asked, "How do you want your hair cut Jesus?" Gus's hair fell to the floor along with his life as a care free civilian. As a cadet you walk in the footsteps of some of our greatest heroes. The echoes and traditions of the past are all around you. Gus had many memorable moments at West Point. One of his favorites was one day in history class when General Omar Bradley was wheeled in by an aid to tell the story of D-Day. His class was entertained by the likes of The Doobie Brothers, Bob Hope, Marie Osmond, and he even got to meet Red Skelton. As an upper classman during Army Navy week, he had the Plebes sew together an enormous banner of bed sheets, using dental floss (the banner pictured is 54 bed sheets!). At his graduation in 1981, he was handed his diploma by President Ronald Reagan. Having completed infantry officer training, Ranger, and Airborne school, he was ready for his first assignment in Germany.

His life would change forever when he met a beautiful Air Force nurse while stationed at Wiesbaden Airbase. After a wonderful romance and a whirlwind trip to Amsterdam to buy a diamond, Gus asked Deb to marry him under the Eiffel Tower. He describes that as the best moment of his life. They returned to the United States and began a journey that would lead to 14 moves, deployments to 19 countries, and a total of 33 years of service to 6 Presidents! When asked what the most difficult moment of his life was, he says the Soldiers lost under his command weigh heavily to this day. Seeing a young person lose their life before they have chance to realize their full potential is a heavy burden to carry. There was also great joy throughout those years as Gus and Deb welcomed Jonathan, Hannah and Genevieve into the world. Gus feels his greatest accomplishment came during his final assignment as Chief of Staff at West Point. He was selected for that assignment for his expertise in seeking funds on Capitol Hill for Army needs. Many of the aging barracks at West Point were in desperate need of renovation. Thanks to Gus's efforts, more than a half billion dollars was appropriated to West Point across a period of



Giant banner made of bed sheets for Army vs. Navy week

12 years. Those renovations continue to this day and are expected to be completed by 2024. Gus has countless stories as Chief of Staff, but for time's sake we'll share two. One day, Gus was told he should go out into the hallway, as a special dignitary was there. Gus stepped into the hall, reached out his hand, and was surprised when the gentleman took his hand and pulled Gus in for a chest bump. That gentleman was 41, President George W. Bush. Another story involves taking some former cadets on a tour at West Point. While touring the barracks, one of the guests asked to see his former dorm room. They arrived at the room where the former cadet reached behind a heating radiator on the wall and grabbed a string. On the other end of that string was a fifth of Jack Daniels, still there after all the years.

After 33 years of distinguished military service, Colonel Gus Stafford retired after six years as West Point's Chief of Staff. The hallowed walls of West Point leave their mark on anyone who has had the honor of attending there. Very few, however, have the chance to leave their mark on West Point. You already heard the story of C2 Company, Snoopy, and the Flying Circus. What Gus helped provide for the renovations will help West Point cadets for many years to come. Let's add one more thing. Several years ago, Gus created and sculpted a bronze statue of Hannibal, the Army's famous mule mascot. He makes one every year and donates it to the top cadet mule handler at the Academy. A brand-new tradition in a place where legends, tradition, honor, and service are born. Gus has left his mark on a place that saw the likes of Eisenhower, Patton, Grant, Lee, Pershing, and Schwarzkopf. I cannot think of a finer military career than that of Colonel Gus Stafford. When people thank him for his service, Gus replies, "Thank you for giving me a reason to serve." This so reflects Gus's kind and humble nature. As a child, Gus's favorite Marvel hero was Captain America. To those of us who know you Gus, you are a real life Captain America.

"Make us choose the harder right instead of the easier wrong, and never to be contented with half truth when whole truth can be won."

From the Cadet Prayer USMA

COLLECTOR THREADS

FEATURING GUS STAFFORD (CONTINUED)



Heading for Iraq



West Point Challenge Coins



Gus with Iraqi Colonel from Tikrit



East German border 1982



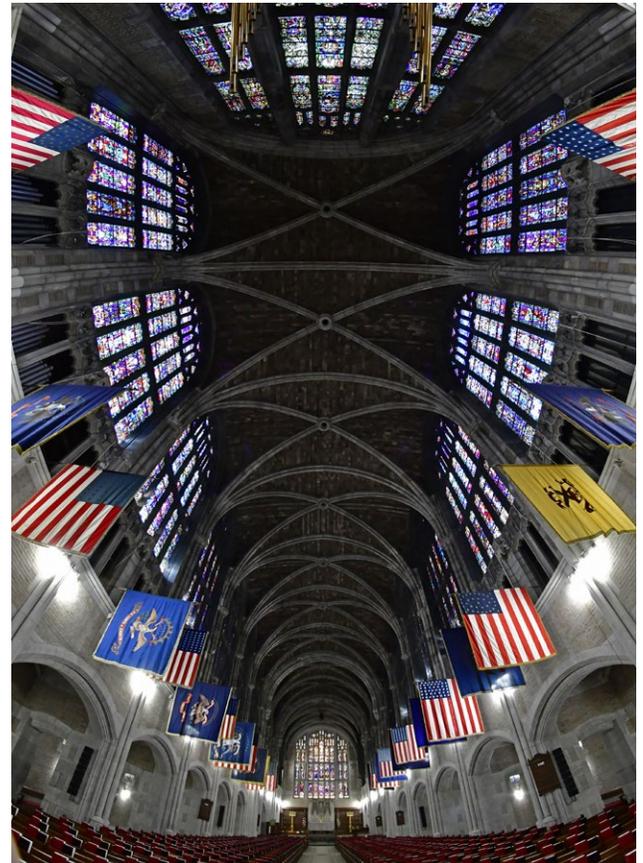
Hannibal statue by Gus



George Washington statue West Point



Gus with his family during plebe parent week
Genevieve, Gus, Deb, cadet Son Jonathan, and Hannah



The amazing Gothic style Cadet Chapel at West Point

COLLECTOR THREADS

FEATURING GUS STAFFORD (CONTINUED)



Gus's colorful porcelain



Some of Gus's wonderful insulator collection



Genevieve Rainbow Ceremony display



Gus at a show



Full size and mini display



Miniatures by Gus



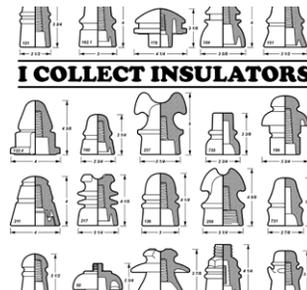
Insulator Yahzee by Hannah



Club logo by Gus



Lifetime Achievement Award



Some of Gus's illustrations



Gus with his Dad

Gus was a Captain at the Pentagon when insulators came back into his life. Four boxes of insulators were sent by his parents and he was off and running. Over the next couple of decades Gus would become a major contributor to our hobby. You know all those insulator illustrations in the price guide?, yeah that's all Gus. Starting in the John and Carol McDougald years, Gus used his drafting and drawing skills to take on the daunting task of doing scale drawings of all known CD's. This was many, many hours of work but rather than monetary payment, Gus accepted payment in insulators. Most recently, Gus did all the drawings for Steve Bobb's LRI book. A large portion of Gus's collection has come through service to our hobby or through trades. He has designed many logos, show flyers, and other media to support clubs and shows. He has hosted numerous insulator shows and will be one of our hosts at next year's National Insulator Show in Gettysburg. His extensive research and articles have appeared in Crown Jewels and Drip Points for many years. He is our current Eastern Region VP and

is a recipient of the NIA Outstanding Service Award. Gus just spent a few days with Dario Dimare taking exact measurements of every possible threadless to update all the drawings. Here's two more insulator-related stories from West Point. While Chief of Staff he found an old mess dump containing cups, saucers, etc. from over the years. Doug Williams found out and asked if he could come probe and dig at West Point to look for insulators. Gus said that would be impossible since there is still buried ordinance dating back to the Revolutionary War. One probe in the wrong place and BOOM! On another occasion, Gus jokes that he used Plebes as slave labor to carry all of his insulators upstairs at his residence at West Point. Gus likes to think that his contributions and work have all been for the betterment of the hobby. He enjoys his collection but says it is the people in the hobby that make it great. Gus, we thank you for all of your contributions and can't wait to see you next year in Gettysburg!

COLLECTOR THREADS

FEATURING GUS STAFFORD (CONTINUED)



Beautiful mural Gus painted for his soon to be Grandchild. Gotta love the dinosaurs!



Last family picture with Gus's Father



Lazy Susan Gus made for Deb



Gingerbread house every Christmas



Handmade by Gus!



Stained glass Gus made for his home



Merry Christmas from Gus!



Stegosaurus bookends

The Stafford house is in full Clark Griswold regalia by now. Gus loves the holidays and goes all out including the annual gingerbread house and the gorgeous hand made German Christmas Carousel. He is also going to be a Grandpa any day. Already embracing the new role Gus has created numerous treasures for the upcoming bundle of joy including a beautiful mural and Stegosaurus bookends. What a cool Grandpa! His kids are doing well and reflect a strong and loving family. Jon, a second generation West Point graduate, now works as a Operations Research Analyst for the Navy. Hannah teaches math, English and Spanish, and serves as a crew coach at St. Benedict's Academy in New Jersey. Genevieve is a Licensed Clinical Mental Health Counselor Associate helping people in North Carolina.

Gus and Deb, you have a beautiful family and we send warm wishes for a Merry Christmas and a healthy, happy new Grandchild. Gus's entire life has been about service to his country, his family, and even our hobby. Please join me in thanking Gus for sharing this amazing story. God Bless you and your family this holiday season and throughout the year.

Happy Collecting and Power Off 🐻

53rd Annual NIA National Show

GETTYSBURG

At the Wyndham Gettysburg
95 Presidential Circle, Gettysburg, PA
July 29th – 31st 2022



www.nia.org/shows/2022_national

Glass Insulator Collector

Dan Gauron

P.O. Box 1721
Colorado Springs, CO 80901

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Alyeskaco@comcast.net

Buy - Sell - Trade

NIA #8176

UPCOMING EVENTS

DECEMBER 2021 – JULY 2022

December 5, 2021 (Sunday)

Enfield, Connecticut

The Yankee Pole Cat Insulator Club Will hold their Annual Beat the Snow Antique Insulator, Bottle & Collectibles Show Sunday, December 5, 2021 American Legion Hall - Enfield, Connecticut. 566 Enfield Street (US Route 5) - Exit 49 off I-91 (just minutes South of Mass. Turnpike - I-90 Exit 4) Show Hours: 8:00 A.M. to 1:00 P.M. Insulators * Bottles * Jars * Lightning Rod Equipment * Flasks * Stoneware * Telephone & Telegraph Collectibles * Railroadiana Advertising & Paper Ephemera * Small Table Top Antiques FREE ADMISSION For Show Information, contact: John Rajpolt Tele: (203) 261-1190 Email: rajpolt@earthlink.net

January 29, 2022 (Saturday)

Crown Point, Indiana

Greater Chicago Insulator Club "Beat the Winter Blahs" Show, January 29, 2022, 8AM to 3PM. Follow signs to 4-H building on left. Tables \$30, additional \$15 each. Lunch provided. Lake County Fairground, 889 S. Court Street, Crown Point, IN, 46307. For information: Arlen Rienstra, ariens@att.net, 219-671-8816 Or: Russ Frank, russfrank76@gmail.com, 815-669-0299

February 5, 2022 (Saturday)

Yuma, Arizona

The Grand Canyon State Insulator Club (GCSIC) is hosting the 23rd annual Yuma tailgater Feb 5th 2022! Last year despite issues with Covid-19, we pulled off one of the biggest events ever!! This year promises to be even bigger. Last year we had 53 tables and over 100 people, we are hoping for 60+ tables this year!! The event will be at Riverside Park, next to the Territorial Prison. Officially the event starts at 9am (until 2 pm) but many dealers are setting up at day break! GCSIC will provide lunch (donations are appreciated) at noon. For additional information please feel free to contact: Daryl Stahler dwstahler@gmail.com 520-331-9498 / Diane Stahler: diane.darnell.porter@gmail.com 520-548-7191 / Jim Harlow: harlowmcl1@gmail.com 928-830-7716.

March 5, 2022 (Saturday)

New Oxford, Pennsylvania

Chesapeake Bay Insulator Club 32nd Annual Insulator Show & Sale will be held Saturday March 5, 2022, 9:00 AM to 3:00 PM at the United Hook & Ladder Company #33, 21 North Bolton Street, New Oxford, PA, The show is located just off US Rt 30 in New Oxford with plenty of dealer space, parking, and free admission. Dealer set up will begin Saturday at 7:00 AM, this is always an active show, come and stay the day. Show contracts are available on the club website www.insulators.info/cbic or contact Gus Stafford (717) 790-9183, email Gus.Stafford@gmail.com.

March 19, 2022 (Saturday)

Platte City, Missouri

NW Missouri Insulator & Bottle Show, Platte County Fairgrounds, 15730 Fairgrounds Rd., Platte City, MO, 64079, March 19, 2022

(Saturday), 9:00 am to 3:00 pm. 95+ tables of Insulators, bottles, jars, telephones, signs, lightning rod balls and other miscellaneous collectibles. Email host for dealer contract and/or information. Dealer set up on Friday afternoon. For information: Darryl Wagner, nwmoshow@dwagnerkc.com, 816-719-0801.

April 2, 2022 (Saturday)

Wheaton, Illinois

The Dupage Collectors Expo will be held Saturday, April 2nd, at the Dupage County Fairgrounds, 2015 Manchester Road, Wheaton, Illinois, Hours are 9:00 AM to 3:00 AM. Items for sale & trade include: Insulators, Lightning Rod items & Weathervanes, Telephone & Telegraph items, Bottles, Jars, etc. Info: BOB STAHR: bob@hemingray.com (630) 793-5345 and RICK SOLLER: com574@clcillinois.edu (847) 782-8602.

April 22-23, 2022 (Saturday-Sunday)

Antioch, CA

The Golden Gate Historical Bottle Society presents its 54th Annual Bottles, Antiques & Collectibles Show on April 22 and 23, 2022 in the Contra Costa County Event Park (Fairgrounds), Sunset Hall, 1201 West 10th Street, Antioch, CA 94509. Show Hours: Friday: Dealer Setup & Early Admission (\$10 fee) 12:00 noon to 5:00 p.m.; Saturday: Free Admission 9:00 a.m. to 3:00 p.m. For Show Information, contact: Gary or Darla Antone (925) 373-6758 Email: PACKRAT49ER@NETSCAPE.NET

May 21, 2022 (Saturday)

Cayucos, California

The 28th Annual Golden State Insulator Club's Spring Insulator and Collectibles Show will be held Saturday, May 21st. This year's gathering will be located at the outside pad next to the soon-to-be-renovated Veteran's Hall, just right of the pier in Cayucos (California). Address: 10 Cayucos Drive, Cayucos, CA 93430. Directly above the beach are gorgeous ocean views and invigorating breezes which will add to your experience. Hours are 8:00 AM to 3:00 PM. Free lunch will be served to dealers. The public admission is free. Book your stay at one of the many motels in Cayucos, Morro Bay, Los Osos, Cambria, etc., or stay at one of the area's RV parks. Dealer tables and chairs are free. This show is casual, friendly, and well-attended by the public. For more information contact: bobmerzoian@mac.com or call (559) 359-2826. See you there!

July 29-31, 2022 (Friday-Sunday)

Gettysburg, Pennsylvania

The 2022 NIA National Show and Convention on July 29th – 31st is in Gettysburg, Pennsylvania. The Wyndham Gettysburg is located two short miles from the Battlefield that changed the course of our Nation's History.

For reservations (after 27 July 2021) call 717-339-0020 extension 0 to talk to a hotel representative. Our Group Code



UPCOMING EVENTS

JULY 2022 – JUNE 2023



is: 072722NAT. All activities for the show occur at the Wyndham. The Chesapeake Bay Insulator Club is the overall sponsor for the NIA National Show, while your show hosts are: Gus Stafford, 816 Flintlock Ridge Road, Mechanicsburg, PA 17055 Gus.Stafford@gmail.com; Mary Ann Pike, 1280 Sugar Run Rd, Venetia, PA 15367, mapike@earthlink.net; Justin & Emily Stoudt, 1531 Helffrich Rd, Kutztown, PA 19530, justin@theinsulatorstore.com; Steve Gosciminski, 118 Tyson School Road, Catawissa, PA 17820, rcpandc@yahoo.com. For more information, visit https://www.nia.org/shows/2022_national/

August 12-13, 2022 (Friday-Saturday) Bend, Oregon

The annual Jefferson State Insulator Club's Quatro Amigos and Dos Amigos Insulator Show & Sale in Central Oregon will be held August 12-13 starting with dinner Friday evening followed by our traditional bonfire and story-telling time. On Saturday the show will begin early. Tables will be provided. If you would like a table, please let us know beforehand so the correct number can be ordered. There will be a BBQ lunch at 11:35 AM. Side dishes are welcome. Be sure to bring your "Go-Withs" and any other treasures along with your hunting and adventure stories for the Friday evening bonfire. Please RSVP. Lodging and camping available at nearby Tumalo State Park or camp on site. Our location is 64420 Research Road, Bend, OR 97703. Info: JIM SINASEK (541) 383-8067 (oregonjim@q.com). You may also contact Howard Banks at 541-761-9456 (hbanks@budget.net) or Tim Wood at 541-923-4116 (cewtim@gmail.com). Your RSVP is appreciated and will help us with knowing how much food to order and serve.



June 9-11, 2023 (Friday-Sunday) Logan, Utah

The National Insulator Association's 54th Annual Show and Convention will be held at the Cache County Fairgrounds in Logan, Utah. The fairgrounds is located at 450 South 500 West, Logan, UT 84321. There will be plenty of dealer space and exhibit space plus a multitude of things to do in the area. Complete show information will be available in 2023 at the Gettysburg National and subsequently online. Show Hosts are: DON & JEANNE BRIEL, (435) 753-5786, Don.Briel@comcast.net and BRIAN & CATHY WEESE, (801) 201-5187, brianlweese@gmail.com

THE UPCOMING EVENTS LIST APPEARS COURTESY OF:

- The NIA Companion - <https://companion.nia.org>
- All Insulators - <https://allinsulators.com>

TO SUBMIT AN UPCOMING INSULATOR SHOW:

- <https://companion.nia.org/shows/>
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2022 NW Missouri Insulator and Bottle Show & Sale



Sponsored by the Missouri Valley Insulator Club

Saturday March 19, 2022

9:00 AM to 3:00 PM

Free Admission

PLATTE COUNTY FAIRGROUNDS

15730 Fairgrounds Rd., Platte City, MO 64079

Approximately 6 miles NW of the Kansas City International Airport



85+ tables of antique insulators, bottles, jars, telephones, porcelain signs lightning rod balls & arrows and other miscellaneous collectibles. FREE insulator & bottle appraisal available.

BUY – SELL – TRADE

For information and/or a show packet, contact:



Darryl Wagner
14615 Skyview Ave.
Smithville, MO 64089
816-719-0801

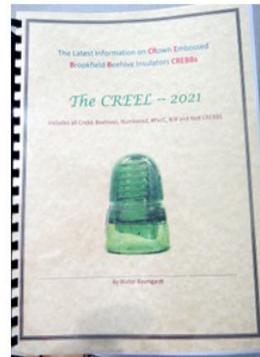
nwmoshow@dwagnerkc.com



Show manager not responsible for accidents or losses.

Calling All CREB Heads

Announcing: The final update to CREB Variants will be available at the Springfield Show. Find Pictures and information (including exact embossings) on over 300 distinct CREB variants, including, #Per Crown and Double #. Also included, for the first time, a presentation of the No # CREBs. Transparency copies of all masks will be available. If you hadn't noticed, many CREB EINs changed from the 2015 -2019 Price Guides. A guide to these changes is included.



Special Price will be available for Springfield

Contact
Walter Baumgardt
2 Dolphann Drive
Tonawanda, NY 14150
PH 716-694-2205
Email glassman_43@hotmail.com

RENO 2022

FOHBC RENO NATIONAL ANTIQUE BOTTLE CONVENTION

WESTERN REGION

Thursday, July 28 - Sunday, July 31, 2022

Antique Bottle Show & Sales, Bottle Competition, Early Admission, Seminars, Displays, Awards Banquet, Membership Breakfast, Bowling Competition, Silent Auction, Raffle, Children's Events and more...

\$5 General Admission Saturday and Sunday half day



Go to FOHBC.org for hotel booking information, schedule and dealer contracts. Hotel rooms will go fast!

Richard & Bev Sirl (Show Chairs)
rsirl@sbcglobal.net

John Burton (Displays)
JohnCBurton@msn.com

DeAnna Jordt (Show Treasurer)
djordt@yahoo.com



TEAM RENO

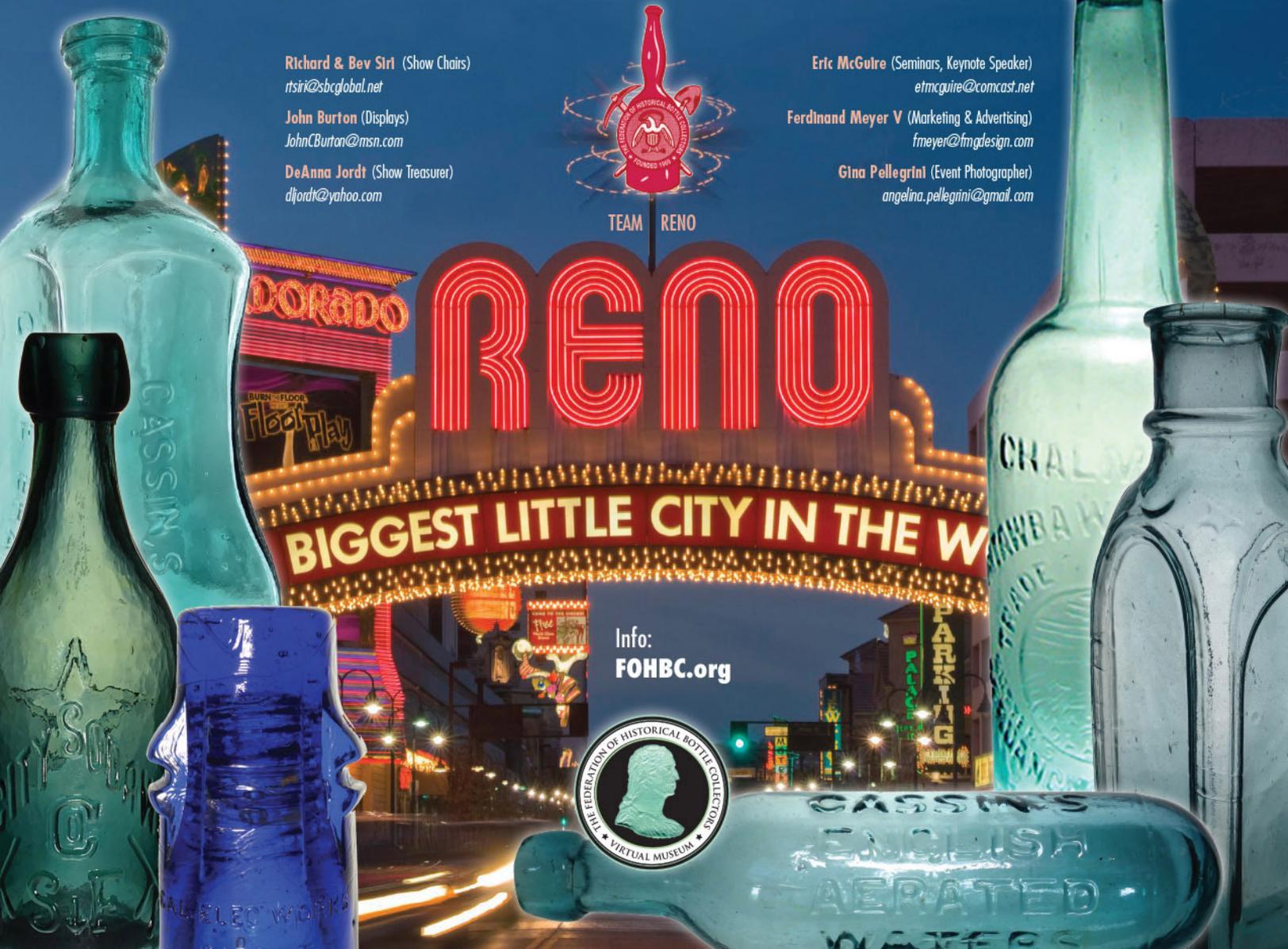
Eric McGuire (Seminars, Keynote Speaker)
etmcguire@comcast.net

Ferdinand Meyer V (Marketing & Advertising)
fmeyer@fmgsdesign.com

Gina Pellegrini (Event Photographer)
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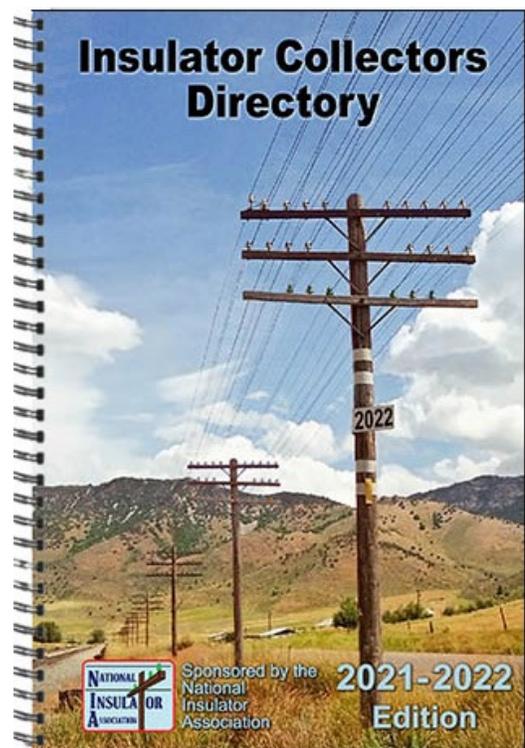
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We are excited to release the new 2021-2022 printed Insulator Collectors Directory.

This full-color handy reference can help you find other collectors in a specific area, find a mentor, find other collectors with specific interests, etc. Both online and printed versions are available.

We have shipped all of the pre-orders, but a limited number of extra copies were printed and are now available for \$15 postage paid to NIA members. Don't delay — these are sure to go quickly.

You can order yours online at:

<https://insulatorcollectors.org/purchase>

or through NIA Products (order form is included in this magazine).



National Insulator Association Scholarship Fund

**Attention young insulator collectors-
this scholarship is for you!**

Money for college \$1000/\$500 up to \$2000

Write a 300 word essay telling us how to spread the word about the hobby.

Go to <http://www.nia.org/scholarship>



Submission deadline is March 1

The Scholarship Application and Application Guide is available at:

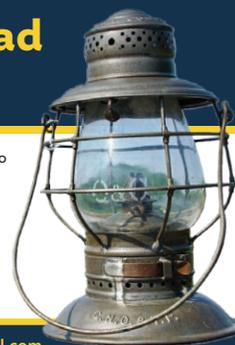
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ALL INSULATORS

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For more than 50 years Crown Jewels of the Wire has been the leading publication for glass and porcelain insulator hobby news, history, articles with columns devoted to worldwide insulators, show reports, in-depth research articles, meeting announcements, photos and other insulator information. There is something for everyone who enjoys insulators!

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- Hunts and finds
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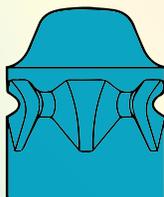
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Help support the NIA's Drip Points by advertising. New rates below include discounts for multiple runs. We now offer classified rates also.

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1 Issue	\$135	\$90	\$50	\$30	\$18	\$12
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3 Issues	\$379	\$252	\$140	\$84	\$50	\$34
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5 Issues	\$614	\$410	\$228	\$137	\$82	\$55
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Please supply camera ready artwork; preferred file formats include: PDF, TIF, JPG, DOC, DOCX.

Ads can be designed for an additional fee (please contact Doug Rusher at admanager@nia.org).

To receive the multi-issue discount, ads must run in consecutive issues with no changes.

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To place an ad, send form with payment to:

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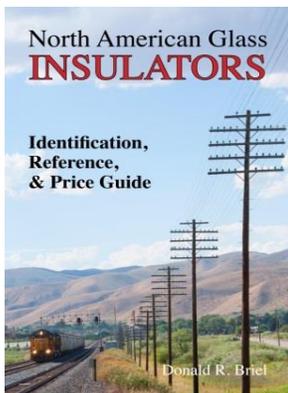
DRIP POINTS Publishing Schedule

Issue	#	Deadline	Mailing
February	1	Jan. 10	Feb. 1
April	2	Mar. 10	Apr. 1
June	3	May 10	Jun. 1
August	4	Jul. 10	Aug. 1
October	5	Sep. 10	Oct. 1
December	6	Nov. 10	Dec. 1

CURRENT (2019) EDITION

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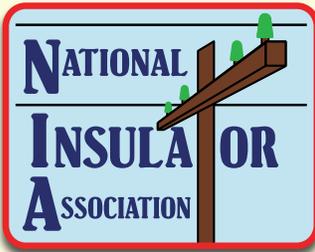
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DONATE TO THE NIA

A REQUEST FROM THE NIA DEVELOPMENT COMMITTEE

Dear Fellow Collector,

The NIA is a 501(c)3 nonprofit organization and as such, gifts may be tax deductible. Gifts of support will help the Association improve existing benefits and services as well as create new benefits and services for members and those collectors who are yet to become members. Your gift will allow the NIA to continue its mission to encourage growth and public awareness of the insulator hobby through collecting, dealing and educational endeavors. The NIA has identified four areas where donations will help create and enhance programs directed to that mission:

SCHOLARSHIP FUND: Currently the NIA can grant up to two scholarships totaling \$2,000.00 each year. Additional funding would give additional funds for future years; scholarship grants could be increased; or additional scholarships could be granted each year.

EDUCATIONAL RESOURCE DEVELOPMENT: There are projects that have been suggested but haven't been implemented for lack of funding such as the production of classroom video presentations, NIA traveling displays for use by learning facilities such as libraries, schools, museums and a Speakers Bureau. These are just a few of the new ideas for greater community awareness of our hobby.

NATIONAL & REGIONAL SHOW SUPPORT: The NIA has assumed a financial supportive role intended to assist National Show Hosts/Organizers in reducing their financial risk. With your donations the NIA could possibly increase advertising and promotional reimbursements, possibly provide all awards at National/Regional Shows and possibly provide financial assistance for Regional Shows.

INTERNET TECHNOLOGY: The desire for instant communication and information retrieval is with us and cannot be denied. For the association and the hobby to continue to grow it must have a strong presence on the Internet and social media. Donations in this area can help redesign the NIA web site, create videos for posting on social media, develop and present "live" shows including interviews, auctions and sales.

Amount of Donation		Donation Level	Donation Area (circle one)
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Additional Information: _____ **If it is OK to list you as a donor, check here:**

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All donors will be listed on the NIA website and any donors of \$50.00 or more will be listed in Drip Points.

Please mail form and payment (payable to NIA) to: NIA Treasurer, Bill Rohde, P.O. Box 28, Colusa, CA 95932

For additional information regarding gifts to the National Insulator Association, Inc., please contact the NIA Development Committee, E-mail address: donations@nia.org. Your gift is deductible, to the fullest extent of the law. The National Insulator Association (www.nia.org) is a 501(c)(3) non-profit organization.

Thank you for your support of the NIA!



THANK YOU FOR YOUR SUPPORT!

2021 NIA Donors & Sponsors

The NIA would like to acknowledge this year's Donors & Sponsors

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Andrew Black	Kentucky	Emerald	Technology Fund
Anonymous		Emerald	General Fund
Anonymous	Georgia	Emerald	General Fund
Bill Sagatis	New York	Emerald	General Fund
Bernice Schultz	Wisconsin	Emerald	General Fund
Bruce Brown	Wisconsin	Green	General Fund
Anonymous	Utah	Green	General Fund
David Dangora	Massachusetts	Green	General Fund
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Michael Lowry	Florida	Green	General Fund
Jim VanNorstrand	Texas	Green	General Fund
Robert Virtue	Illinois	Green	General Fund

Thank you for your support!

The list above is compiled from multiple sources and may not be complete. If you have donated this year, but don't see your name (unless you wanted to be anonymous), please contact the development committee chairman.



NIA AFFILIATED CLUBS

THE FOLLOWING INSULATOR CLUBS ARE MEMBERS OF THE NIA



Central Florida Insulator Club
Jacque Linscott Barnes
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321-480-1800
bluebellwt@aol.com



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Larry Novak
12604 Eldrid Court
Silver Spring, MD 20904
301-680-8910
cbic@clubs.insulators.info



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Triple Ridge Insulator Club
Dan Gauron
P.O. Box 1721
Colorado Springs, CO 80901
719-266-0181
danielgauron@yahoo.com



Western Reserve Insulator Club
John Hovanec
13009 Ridge Road
North Royalton, OH 44133
440-237-2242
wric@clubs.insulators.info



Yankee Pole Cat Insulator Club
John Rajpolt
17 Pheasant Lane
Monroe, CT 06468
203-261-1190
ypcic@clubs.insulators.info

Do you represent a local insulator club or other related organization? Become an NIA Affiliated Club today! See next page to apply for or renew your membership.



NIA MEMBERSHIP & RENEWAL FORM

Prospective members may join the NIA at any time; however, the "membership year" begins on January 1st and ends on December 31st. New memberships issued within three months of the beginning of the new membership year (October – December) will be good for the following calendar year. New members are entitled to all membership privileges immediately upon acceptance by the NIA. **If you are joining the NIA during the months of January through September, your membership will expire on December 31st of this Calendar year.**

Submit payment (**Payable to the "NIA" in U.S. funds**) to:

Andrew Gibson

5997 Springwater Rd.
Dansville, NY 14437-9772
membership@nia.org

Check class of membership:

- _____ Single/Family Membership w/Electronic Drip Points..... **\$30.00**
- _____ Single/Family Membership w/Printed Drip Points..... **\$40.00**
- _____ Single/Family Membership w/both Electronic & Printed DP... **\$45.00**
- _____ Junior Membership (under 18) w/Electronic or Printed DP..... **\$ 5.00**
- _____ Club or Organization..... **\$50.00**

Check years of Payment:

- Single year _____
- Multi-year _____

Please Print Legibly

Name _____
 NIA # (if renewal) _____
 Address _____
 City _____
 State/Province _____
 Zip/Postal Code _____ (+4) _____
 Country (if not U.S.) _____
 Telephone Number _____
 E-Mail Address _____

Additional Family Members residing in the same household at no additional cost.

(e.g.: spouse, minor children or dependents)

Name	NIA # (if renewal)
1 _____	_____
2 _____	_____
3 _____	_____
4 _____	_____
5 _____	_____

(An e-mail address is required for electronic version of Drip Points)

Include me in NIA Hobby Directory: On-Line Yes No Printed Yes No

Include my USPS Address in: On-Line Yes No Printed Yes No

Include my Email Address in: On-Line Yes No Printed Yes No

Include my Telephone Number in: On-Line Yes No Printed Yes No

You may pre-purchase the next printed Hobby Directory for \$7.00 Yes

Fees to be submitted

Membership Amount: _____

Directory Amount.....: _____

Donation Amount.....: _____

If it is OK to list you as a donor, check here:

Signed _____ Date _____ Total Enclosed \$ _____
 Make Checks Payable to the NIA

NIA MEMBERSHIP BENEFITS

Revised March 1, 2020

- Connect to a worldwide network of over 1000 insulator collectors sharing information, history and the latest news on insulator collecting.
 - Receive electronic notification of upcoming events and current activity in your region of the country through the bi-monthly electronic distribution of the Drip Points Magazine (Also available in printed form).
 - Receive members only access to an enormous digital library of insulator catalogs, patents and insulator manufacturer history.
 - Find and meet other NIA members in your area for mentorship, visit & share collections and swap stories in person or on the NIA Facebook page.
 - Receive guaranteed early exclusive access to NIA National Shows to display, buy and sell insulators.
 - Compete for National Awards and Recognition for your displays, research and contributions to the hobby.
 - Start your own insulator reference library with the "NIA Resource Page", "Fake and Altered Insulators" and "What is an Insulator?"
 - Advertise your hobby passion through your complimentary NIA Decal, Membership Bars, Membership Card and free ad in Drip Points.
 - Use your membership to run for the National Insulator Association Board of Directors to shape the future of the hobby.
 - Contribute to a National Scholarship Program and financial support for NIA Show Hosts in your local area.
 - Continue membership to sustain these benefits and help raise the next generation of insulator collectors through your knowledge & engagement.
- Note: The NIA Member Handbook is available on the NIA website (www.nia.org/membership/index.htm).
 Hard copies of the Handbook are available upon request to the NIA Membership Director (membership@nia.org).



MERCHANDISE

SHOW YOUR SUPPORT WITH CLOTHING, BADGES & MORE



Embroidered Logo T-Shirts

Hanes Adult T-Shirt, Embroidered logo on front

Colors: Smoke, Smoky Graphite, Sky Blue, Electric Blue, Aqua, Dark Cobalt, Lt Brown Amber, Med Amber, Rootbeer Amber, Lt Olive Green, 7 Up Green, Dark Olive Green, Yellow, Golden Amber, Oxblood, Deep Red Amber

Price: \$17 (S-XL) \$20 (2X-3X)

Color(s): _____ Size: _____ Qty: _____

Shirt Sizing Chart			
S	32-34	XL	44-46
M	36-38	2X	48-50
L	40-42	3X	52-54

Special Orders: If you don't see a size or color that you'd like, contact us for availability and price.



Gildan Adult T-Shirt – Small logo on front, large logo on back



Screen Printed T-Shirts

Colors: Smoke, Smoky Graphite, Steel Blue, Peacock Blue, Dark Cobalt, Lt Brown Amber, Med Amber, Olive Amber, Rootbeer Amber, Apple Green, 7-Up Green, Olive Green, Yellow, Golden Amber, Flashed Amber, Oxblood

Price: \$17 (S-XL) \$20 (2X-3X)

Color(s): _____ Size: _____ Qty: _____



Button Down Shirt

Port Authority SanMar Blend, embroidered logo on front

Colors: Dark Smoke, Aqua, Cobalt, Lt Brown Amber, Yellow, Flashed Amber

Price:
Short Sleeve: \$32 (S-XL) \$34 (2X)
Long Sleeve: \$34 (S-XL) \$36 (2X)

Short or Long Sleeve: _____

Color(s): _____ Size: _____ Qty: _____



Hooded Sweatshirt

Gildan Adult Full-Zip Hooded Sweatshirt, embroidered logo on front

Colors: Medium Smoke, Cobalt

Price: \$32 (S-XL) \$36 (2X)

Color(s): _____ Size: _____ Qty: _____



Denim Button Down Shirt

Sierra Pacific, Short or Long Sleeve

Color: Aqua

Price:
Short Sleeve: \$33 (S-XL) \$36 (2X-3X)
Long Sleeve: \$36 (S-XL) \$39 (2X-3X)

Short or Long Sleeve: _____ Size: _____ Qty: _____



Crew Neck Sweatshirt

Gildan Adult Crewneck Sweatshirt, Screen print with small logo on front & large logo on back

Color: Smoke
Price: \$29 (S-XL) \$33 (2X)

Size: _____ Qty: _____



Un-Structured

Embroidered Caps

Colors (Un-Structured):

Smoke, Dark Smoke, Aqua, Cobalt, Lt Brown Amber, 7 Up Green, Olive Green, Yellow, Gold Amber, Flashed Amber, Pink, Oxblood

Colors (Structured with Mesh):

Khaki-Brown, Royal-White, Kelly-White, Red-White, Heather-Gray-Black, Royal, Cardinal, Gray-Charcoal-Black, White-Royal, Khaki-White

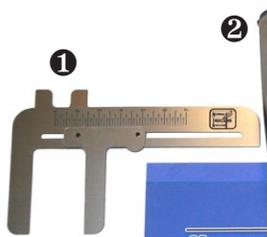


Structured with Mesh

Price: \$15.00 Cap Type: _____ Color(s): _____ Qty: _____

1 Insulator Caliper

Measures up to 7"
Plastic will not scratch insulators
Long outside & short inside jaws
Price: \$18 Qty: _____



2 20 oz. Copper-Lined Stainless Steel Tumbler

Yeti-like Stainless tumbler keeps drinks cold or hot for hours!
One color imprint (blue)
SOLD OUT



3 16 oz. Travel Tumbler

4 color imprint
Price: \$14 **\$10** Qty: _____

On Sale!

4 NIA Collector's Patch

2 3/4" x 3 3/4" embroidered patch
Price: \$4 Qty: _____

5 NIA Window Decal (Color)

For outside car window - 4 1/4 x 5 3/4
Price: \$7 Qty: _____

6 NIA Window Decal (White)

For outside car window - 5 1/2 x 6 3/4
Price: \$10 Qty: _____

7 NIA Challenge Coin

2019; 50 Years of Meets & Shows; 2 sided
Price: \$10 Qty: _____

8 NIA Hat/Lapel Pin

Price: \$7 Qty: _____

9 NIA Name Badge Engraved; beveled edges; Magnetic back Price: \$14

Name Badge Engraving Information:

Name _____ NIA# _____ City _____ State _____
Name _____ NIA# _____ City _____ State _____
Name _____ NIA# _____ City _____ State _____

10 Badge Bar NIA or Club position, Club Bars, Show Bars, Awards or Custom Bars Price: \$5

Badge Bar Engraving Information:

Club Bar _____ Qty: _____ Line 1 _____
Show Bar _____ Year _____ Line 2 _____



Tote Bags

Sturdy with white screen print NIA logo - Dimensions: 12 1/2" W x 13 1/2" H x 8 1/2" D; 14" handles

Colors: Sapphire, Light Brown Amber, Cobalt, Oxblood, Black
Price: \$8
Color(s): _____ Qty: _____

Insulator Collectors Hobby Directory - 2021/2022 Hobby wide directory to locate other collectors in your area or around the world Price: \$15 (shipping included) Qty: _____

Contiguous U.S. Postage Rates:

- \$9.50 for the first item of clothing, hat, tumbler, tote or caliper & \$3.50 for each additional item in same group.
- Patches & Badge Bars \$1.00 ea.
- Decals, Name Badges, Hat Pins, Challenge Coins..... \$4.00 ea.
- If patches, badge bars, decals, name badges, hat pins & challenge coins are ordered with clothing, there is no additional postage for these items.
- For postage outside the Contiguous U.S., please contact us for a quote.

Subtotal: \$ _____
U.S. Postage: \$ _____
Total Enclosed: \$ _____

Please make check or money order payable in U.S. funds to the National Insulator Association.

Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____
Email: _____

Please send detached, completed form and payment to:
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(816) 719-0802 • niaproducts@nia.org

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Carlisle, MA 01741 • 781-999-3048

Auction 155 *and more!* coming soon!

We are planning two more auctions for this year.

Accepting consignments!

We have just started assembling items for these auctions and only a very few of them are shown below.



Auction 154 was a great success!

Thanks to all the bidders,
winners and consignors!

Bill and Jill



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 10801 N. 24th Ave. Ste. 103
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