



# DRIP POINTS

MAGAZINE FOR INSULATOR COLLECTORS

FEBRUARY 2022 • VOL. 50, No. 1

The image displays a grid of 80 covers of the magazine 'Drip Points', arranged in 8 rows and 10 columns. The covers represent various issues from the magazine's history, including early issues from the 1970s and 1980s, and more recent ones from 2015 to 2022. A large, semi-transparent orange graphic of a stylized insulator tower is overlaid on the grid, centered over the middle rows and columns. The covers feature various designs, including the magazine's logo, insulator illustrations, and photographs of insulators. The text on the covers includes the title 'Drip Points', the volume and issue number, and the season (Winter or Summer). Some covers also feature special announcements or highlights.

❖ CELEBRATING 50 YEARS ❖



**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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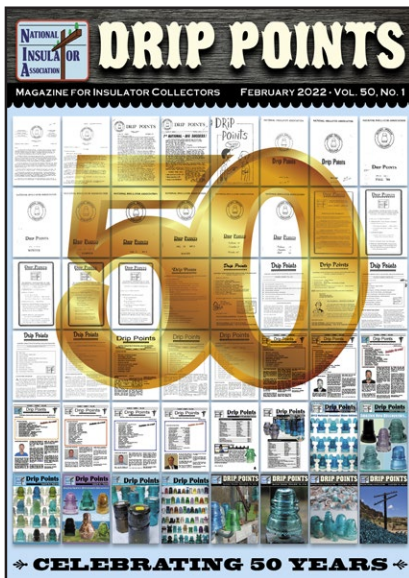
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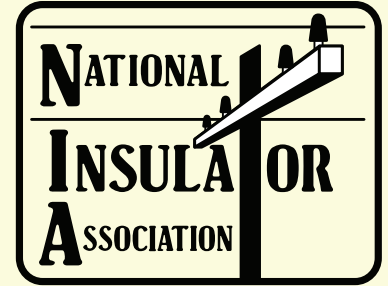


## *🏠* About the Cover *🏠*

### Celebrating 50 Years of Drip Points!

What initially began as the National Insulator Association's black & white newsletter in 1973 has gradually evolved to into the bimonthly, full color magazine you see in front of you. This issue's cover features previous cover designs in chronological order. Read all about the history of Drip Points on pages 10-12!

Would you like to have your photo or artwork featured on the cover of Drip Points Magazine? Contact the Editors at [drippoints@nia.org](mailto: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](http://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](mailto:drippoints@nia.org), call (406) 461-7341, or write to: Doug Rusher, 3370 Chance Ct., Helena, MT 59602.

## 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 members,

Hope your Christmas & New Years went well and you have stayed healthy. If you have been enjoying Drip Points, be sure to drop a message to the Editorial Staff from time to time. I think they have been doing a great job. The staff still needs you to submit articles on collections, hunts & finds, research, etc. Also need collectors to submit show reports with pictures. Don't forget that advertising in Drip Points is also very affordable and since it is bi-monthly, gives good options to advertise shows, as well as advertising items for sale or looking to purchase.

With this issue, our Drip Points Editor, Christian Willis will be stepping down, but remaining an Assistant Editor. He has done a great job in expanding Drip Points, but feels it is time to spend more time with his young family. Doug Rusher will be taking over as the Editor. Look for a continued exciting magazine in the coming issues. As the magazine continues to grow, we are still looking for a few more people to help with the magazine. Not necessarily someone with InDesign or editorial experience, but a few people that might be able to assist with some of the other tasks that go into the magazine. Please contact me if you might have some extra time to donate to Drip Points and the NIA.

During the first week of January, there was some interesting discussion about dealers that have altered insulators on their tables. Thought that it would be a good idea to review this again for the entire membership. It was brought up on ICON regarding a dealer in the Eastern region, that had altered insulators on his table. This is not the first time this has happened and pretty sure it happens in all of our regions. Some members seem to think that the NIA has ultimate control over this type of situation, but in all reality, we have little control and only if the perpetrators are current NIA Members. At that point their membership could be revoked, but that is all we could do. When the subject came up, I did reach out to the FOHBC (Federation of Historic Bottle Collectors) and had a discussion regarding this. The bottle & jar hobby also has the same problem that we have and probably on a larger scale. They also have the same basic rules as the NIA does.

So what can we do as collectors & dealers to discourage the irradiating, altering and faking of insulators or other collectibles? Some Insulator and/or Bottle shows use either the NIA or FOHBC rules regarding altered or fake collectibles, but not all. So as a dealer, you could ask the show hosts if they are going to have rules in place regarding this. You can also ask them to police the tables to keep these items out of our shows. As collectors and attendees to shows, you can do the same. If we all band together and start voicing our opinions about altered and/or fake items at our shows, this should slow down these sales and discourage the proliferation of altered and/or fake items. Then the next step would be to bring the same subject up to any antique stores that you might visit, if they have altered and/or fake items for sale. Our actions will not stop all of this, but it might slow it down and if it became less profitable, then it should dissipate. Of course the obvious thing is not to purchase any of these items. Educating yourself and

encouraging education among other collectors can also be beneficial. A good place to start is on the NIA website regarding altered colors. This web address is <https://www.nia.org/altered/index.htm>. It shows various irradiated and heat altered colors.

If any members have other suggestions about how to combat the problem of irradiated or altered insulators, feel free to reach out to me. Ideas and assistance from within the hobby is always appreciated.

Now on to a new subject, insulator shows! As the year progresses, we have various shows around the country. Try to support these shows by setting up or attending. Also, our National show will be in Gettysburg, PA this year and will be a great destination for anyone. There is a lot of history in Gettysburg, so if you can, make your reservations and plan on attending. ▲

Happy collecting,

*Darryl Wagner*



## 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](mailto:nwmoshow@dwagnerkc.com)



Show manager not responsible for accidents or losses.



# NIA INFORMATION DIRECTOR & DRIP POINTS MANAGING EDITOR

CHRISTIAN WILLIS \* NIA #5185

## Celebrating 50 Years of Drip Points!

Can you believe it? 2022 marks the 50th volume of Drip Points! Because this is such a special milestone for our association's newsletter-turned-magazine, I thought it only fitting to write an article about it, which you can read on pages 10-12.

## Passing the Torch

2022 also marks 10 years that I've been involved in the production of Drip Points in some capacity. In 2012, I was asked by NIA President Lou Hall to assist with managing the magazine's advertisements. In 2014, NIA President Don Briel invited me to join the NIA's Board as the Information Director. My role gradually evolved into compiling the list of upcoming events and proofreading the magazine. In the Winter 2017 issue, Shaun Kotlarsky announced his resignation, and as the Information Director it was my responsibility to fill the vacancy. It was a big and unexpected challenge for me, but I brushed off my old graphic design hat and strove to improve the magazine as best I could. I hope I succeeded.

After over four years and 21 issues of Drip Points as the Editor, it is time for me to return my focus back to my family, career, and other hobbies. Therefore, this will be my final issue as Managing Editor, but Doug Rusher has graciously agreed to fill the position. I will also be stepping down as the Information Director effective at this year's National. I have definitely enjoyed these opportunities to give back to the NIA, a hobby that has given so much to me since childhood! I now know it's time for me to give other members the opportunity to volunteer and bring additional fresh ideas to the table. I will still be involved in the hobby and Drip Points as an Assistant Editor, and able to contribute articles and other content as time allows.

## Hemingray Floor Tube Insulators

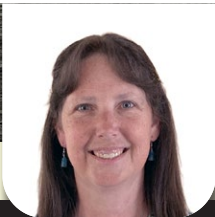
Speaking of articles, I'm especially excited about my fourth installment of "Odds & Dead-Ends" on pages 22-27, which is all about glass floor tube insulators. In 2008, I picked up my first floor tube at the Mer-zoian Brothers Tailgater in Porterville, CA from Dwayne Anthony. It looked Hemingray to me, and I had vaguely remembered seeing catalog illustrations showing these strange things. I'd been wanting to do an article on them ever since, but it wasn't until now that I felt I'd finally collected enough specimens and research to properly present it. I hope you enjoy it! I'm still very much into collecting these, so please feel free to reach out to me with questions or discoveries. ▲

Sincerely,

*Christian Willis*



**THE FLOOR TUBE "TURDUCKEN"** – DWAYNE ANTHONY SHARED THIS UNIQUE FLOOR TUBE FIND WITH ME; APPARENTLY ONE TUBE WASN'T ENOUGH, SO SOME CREATIVE ELECTRICIAN WRAPPED RUBBER AROUND A PORCELAIN FLOOR TUBE AND SHOVED IT INSIDE A GLASS FLOOR TUBE!



# NIA SCHOLARSHIP COMMITTEE

TAMMY BREWER \* NIA #6696

Please spread the word — scholarship applications are due no later than March 1.

Donations to the NIA scholarship fund make it possible for us to help young collectors. ▲

*Tammy Brewer*





# COMMEMORATIVE COORDINATOR

MARGARET WAGNER ✨ NIA #8711

## NIA COMMEMORATIVES

NIA Commemoratives are made to commemorate our yearly National Shows and to support the organization. They make great gifts and are conversation starters if placed where people can see them.

Besides the 2021 "Clearly Gold", we have commemoratives back to 2015. Stock is low on a couple, so if you see something that you like, don't delay, order it. Here is our current line up .....

							
2015 SOLID POUR \$45	2016 REGULAR POUR \$45	2017 CHAMELEON REGULAR \$40	2017 ROCKY ROSE REGULAR \$30	2018 REGULAR \$40 SOLID \$50	2019 REGULAR POUR \$40	2020 REGULAR POUR \$40	2021 REGULAR \$50 SOLID \$75

If you are looking for oddities, we have some ghost embossing on the 2019's, some under pours on the 2021's and some "leaners" in several years.

See [www.nia.org](http://www.nia.org) for some special pricing. You can also email [commemorative@nia.org](mailto:commemorative@nia.org) if you have some specific questions.

Several of the above commemoratives are almost out of stock, so orders are 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.

Thank you for your support of the NIA Commemorative Series and the NIA. ▲

*Margaret Wagner*

### 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 and major credit cards.

Alternately, you can send your order and payment to:  
**Margaret Wagner**  
14615 Skyview Ave.  
Smithville, MO 64089  
(816) 719-0801  
[commemorative@nia.org](mailto: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!



# WESTERN REGION VP

ROGER ZIESAK \* NIA #8919

## SPECIALIZE vs. GENERALIZE

What do you do when you're looking at adding more insulators to your collection? For me, I tend to generalize as I am often taken by surprise at how even a ho-hum insulator can look, especially if it's in a new color for me or there is cool junk in glass. When I buy a collection, big or small, I go through it and see what I want to keep. We all do that. But then, I will go through it again in a day or so and look at it with fresh eyes. I often find something else to grab my attention. That's the generalized part of my collecting. My taste for a certain style may come and go but I like all insulators and its good fun to go through a new collection or back through my own. How do you do it? How often do you go through or just stare at your collection? Money value can be good for sure, but the real value is looking at your collection on display. How does the sun affect it? Backlit vs. natural light. Ponder how to highlight the "insulator of the week." Fun challenges or just pile it onto shelves and then rediscover a piece a few months or years later that sort of disappeared into the mix. All of this is how you can enjoy a general collection.

Over the 14 years we've been collecting Beth and I have focused on specific CDs or styles from time to time. Tastes and interests change so specialties do too. Some of those specialty collections are still with us and some have faded away and were merged or sold. I like chasing a particular style for a while as it can really let you know what's out there in terms of color, condition and what may be available. Doug Rusher has had great success chasing the CD 293 and has far more variability than I thought existed. Love to see that kind of stuff – really fascinating and it gets the collecting urge going again. Some folks will specialize and stick with that exclusively – more power to them. I can't do that but those that do have really contributed some great knowledge to our hobby.

However you collect, you should enjoy it. From unwrapping a newly purchased collection (oh yeah) to counting drip points to getting that complete color line-up. Chasing that dream is what makes this hobby and keeps bringing a smile to our face. So I say, Carry On. ▲

*Roger Ziesak*



# AWARDS & RECOGNITION CHAIR

KEN WILLICK \* NIA #3709

Happy New Year and best of collecting in 2022! Do you know someone who hosts a local show or swap meet every year? Someone who unselfishly promotes our hobby? An individual who is always willing to answer questions and mentor new collectors? Well now is the time to send in a nomination!

The highest NIA award is Lifetime Membership, for those who have made major contributions to the hobby. There is also an Outstanding Service Award. The nomination forms for both awards are here: <https://www.nia.org/archives/index.htm>

The NIA Hall of Fame nomination is for anyone, living or deceased, past member or not, who has made a lasting contribution to the hobby. Inductees include Dick Bowman, Ralph Gray Hemingray, Frances Terrill, and Elton Gish, to name a few. All

that is required is for you to write a paragraph or two describing what they have contributed to the hobby. The NIA Hall of Fame can be found here: [https://www.nia.org/hall\\_of\\_fame/index.htm](https://www.nia.org/hall_of_fame/index.htm)

The more documentation presented to the NIA Board, the more successful the submission.

Please consider nominating someone today!

I need ALL NOMINATIONS (including the documents described above) sent to me **before midnight Friday April 1st** for submission to the NIA Board.

*Ken Willick*



Fellow NIA Members,

The last two years have been very hectic with COVID shutting our hobby down, but as my first term as NIA President has seen the start of several projects, my hopes are that you will see the benefit of a second term in that position.

A lot of you know me and some of my history, but as we have added new members and there are some that I have not met, here is a little background on myself. Most of my life, I have been an entrepreneur, owning and operating several businesses. For the last 10 years my career has been as an independent Insurance advisor, helping clients with life insurance, as well as Medicare and retirement planning.

My interest in insulators began around 6 or 7, when my grandfather hoisted me onto his shoulders to take an insulator off a pole along the Frisco Railroad in East Lynne, MO. Then around the age of 10, a neighbor gave me 3 banana boxes of insulators and the rest is history. Unfortunately, I did not discover the actual "Hobby" until around 2007 while purchasing insulators from eBay, where I met Dennis & Jeanne Weber along with Charles Brandon. Shortly after that I joined the Missouri Valley Insulator Club and became its President in 2011 for 5 years. The first NIA National that I attended was Coralville, IA in 2009. After that show, the discussion started about hosting a National. Charles Brandon, my wife and myself did just that in 2012 in Kansas City, MO. Also in 2012 Dennis & Jeanne Weber asked me to take over their St. Joseph, MO Insulator & Bottle show, so I have been hosting that show, now called the NW Missouri Insulator & Bottle Show since 2013. My wife and I then hosted the 2018 NIA National in Kansas City, MO. Starting in September of 2021, another collector and I started a new show, the Border States Antique Show in Lawrence, KS.

My participation in the NIA leadership began in 2012 when Steve

Blair, one of the original hosts of the Springfield, OH show, asked me to serve on the NIA Events Committee and after his passing, became the Events Chairman. The next position was the NIA Central Region Vice Presidents position in 2018. Over the last several years, some of the projects that have had my assistance, are the expansion of Drip Points to a bi-monthly magazine, the expansion of the editorial staff, along with modifying some committees. First the Promotions Committee, which is tasked with promoting the NIA and the insulator collecting hobby to the public. One of the projects that they are currently working on, is to have 3 travelling insulator displays, one for each region. Another project has been the expansion of technology use for the NIA. The formation of the Technology Committee will assist with keeping our organization up to date with the use of technology in promoting and assisting the NIA and its members.

My goals are to expand the exposure of our organization to more in the hobby, increase our membership and encourage others to contribute to the NIA. There are also a few other projects that have been set in motion that I would like to move forward.

At this time, I would ask for your support and vote, for me to continue as the President of the National Insulator Association.

Thank you for your time and consideration.

Sincerely,

*Darryl Wagner*

NIA # 8671

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As your NIA Secretary, I am willing to run for a second two year term. It has been an enjoyable time serving the insulator organization/ membership. I always look forward to seeing and meeting our members! A Happy & Healthy 2022 to you and yours.

*Carolyn Berry*

NIA # 4336

---

As your Eastern Region Vice President, and one of the show hosts for this year's National in Gettysburg, I am prepared to serve an additional two years. More to follow on Gettysburg next issue!

*Gus Stafford*

NIA # 8871

DEC 1 1973



STEPHEN FREEDMAN  
EASTERN REGIONAL VICE PRESIDENT

RICHARD C. AUGUSTYN  
CENTRAL REGIONAL VICE PRESIDENT

JESSE R. MORELAND  
WESTERN REGIONAL VICE PRESIDENT

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RAY J. BRYAN  
INFORMATION DIRECTOR

WILLIAM J. DREGGORS, JR.  
EXECUTIVE DIRECTOR

FREDERICK L. GRIFFIN  
PRESIDENT

Newsletter Volume I, Number I.

November 1973

### DRIP POINTS

Hello,

I am Fred Griffin from Palatka, Florida. I am using this first National Insulator Association Newsletter for a short visit with you about our hobby and the NIA. As I visit with insulator collectors and dealers, I am usually asked three questions: Why do we need a national organization? What is its purpose? And what will the NIA do for me? These are good questions and here are some of my answers:

The hobby of insulator collecting has become nation wide -- yes, international in scope. Collectors from all parts of the United States and Canada should have an effective voice in the development of the hobby. There are many problems connected with most hobbies and insulator collecting has its share. These problems are concerned with ethics, standards, descriptions, judging and the exchange of insulators. Committees have been or are being established to study these problems and to recommend guidelines.

We are now preparing for the 5th National Show at Hershey, Pennsylvania (1st, Indianapolis; 2nd, Colorado Springs; 3rd, Kansas City; 4th Hutchinson). It is important that these shows be national in scope and that they are planned so they will be rotated among the three regions. As the hobby continues to grow regional and state shows will be, or continue to be developed.

We need a national organization to give visibility and prestige to our hobby. The insulator collector is no longer an orphan -- he now has an organization of his own.

The NIA has been in existence for less than six months. We have accomplished a number of important things during this short period of time. They include the adoption of by-laws, the election of officers, the appointment of committees, a suggested code of ethics, standards for national shows, the official emblem, the selection of the site for the Fifth National Show, and a membership of approximately 450.

I am proud to be your president and to have this opportunity to visit with you. I would like to ask you to do three things: 1) Invite your fellow collectors to join the

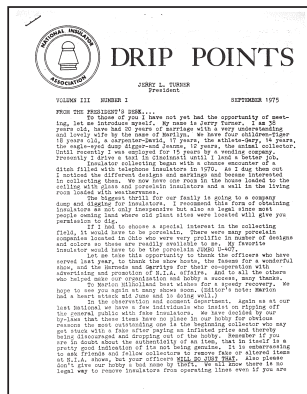
# CELEBRATING 50 YEARS OF DRIP POINTS

BY DRIP POINTS MANAGING EDITOR CHRISTIAN WILLIS \* NIA #5185

In honor of 50 years and 50 volumes, I read through the Drip Points archives and compiled a list of milestones of our beloved publication. The Drip Points Archive is free and available for anyone to read at: <https://www.nia.org/drippoints/archive/index.htm>.

In November 1973, the first Drip Points newsletter (Volume 1, Number 1) was published. For posterity, I've reprinted Page 1 on the preceding page. The newsletter was a total of 7 typewritten pages, and contained:

- An introduction from the NIA President, Fred Griffin
- Discussion of the newsletter being published twice a year
- Discussion of the Fifth National Show (Hershey, PA)
- A list of Officers and Committees for 1973-74
- Discussion on notation standards for insulator embossings
- The NIA By-Laws
- The NIA Code of Ethics

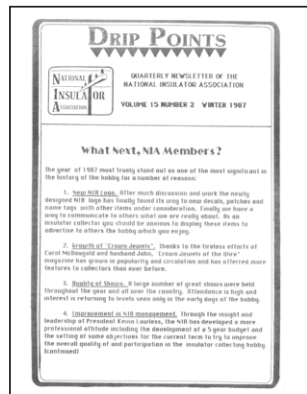


By 1975, Drip Points had its first masthead, and design elements began making their way into the newsletter, such as hand-drawn illustrations of telegraph poles, handwritten signatures, and clip art.

In 1977, Drip Points had its first cover page, and NIA Information Director Rick Jones announced the format had changed to mimeograph due to printing costs.

Over the decades, the cover artwork and Drip Points logo changed many times. The first time actual drip points appeared in the design was 1982, and this tradition has continued ever since in the magazine's design elements.

1986 marked the transition to being designed on a Macintosh computer (as evidenced by the telltale Chicago font). Information Director Mike Guthrie also announced in the Fall 1986 issue that Drip Points would now be published within Crown Jewels of the Wire to help cut down on printing costs. This joining of forces was the advent of the coupon provided by the NIA towards



the coupon provided by the NIA towards Crown Jewels of the Wire subscriptions.

In the Spring 1987 issue of Drip Points, the redesigned NIA logo, which is still in use today, made its debut (albeit in black & white).

Between the Winter 1989 (Volume 17, Number 2), and the Spring 1990 issue, the number inexplicably jumped to Volume 18, Number 3. This misnum-

bering wasn't noticed until NIA Information Director Tom Katonak caught and fixed it in the Fall 1993 issue.

In the Fall 1991 issue, Drip Points was once again a separate publication from Crown Jewels of the Wire. NIA President Eric Halpin explained the reasoning behind the decision: "This change will allow both magazines to expand their contents for your information and enjoyment." This is the first mention of Drip Points being referred to as a magazine that I'm aware of! Perhaps a foretelling of what was to come?



Over the next decade, the quarterly newsletter continued to grow in scope and size. In 2002, editor Kevin Jacobson instituted the addition of board member photos to help better identify the members at shows, a tradition that still continues in issues to this day. 2002 also saw the first color insert of the magazine.

The Spring 2003 issue saw the first full color issue of Drip Points as an Adobe PDF (digital copy) available via email.

The first full color printed issue of Drip Points was the Fall 2011 National issue, made possible by a generous donation from Tommy Bolack. To date, all issues of Drip Points have remained in color!

With the new opportunities afforded by the color printing, editor Shaun Kotlarsky evolved the cover design to take advantage of the new full color format, and the transition of Drip Points from a newsletter to a full-fledged magazine was being realized.



In 2018, the NIA Board voted to change Drip Points' volume numbering. Previously, the Number 1 issue would always be the Fall issue. Now, issue Number 1 would always align with the new calendar year. As such, Volume 45 only had 2 issues (Fall and Winter 2017). Volume 46 began in Spring 2018.

The Fall 2019 issue of Drip Points saw another error, where the cover accidentally listed the issue as Volume 48 rather than Volume 47.

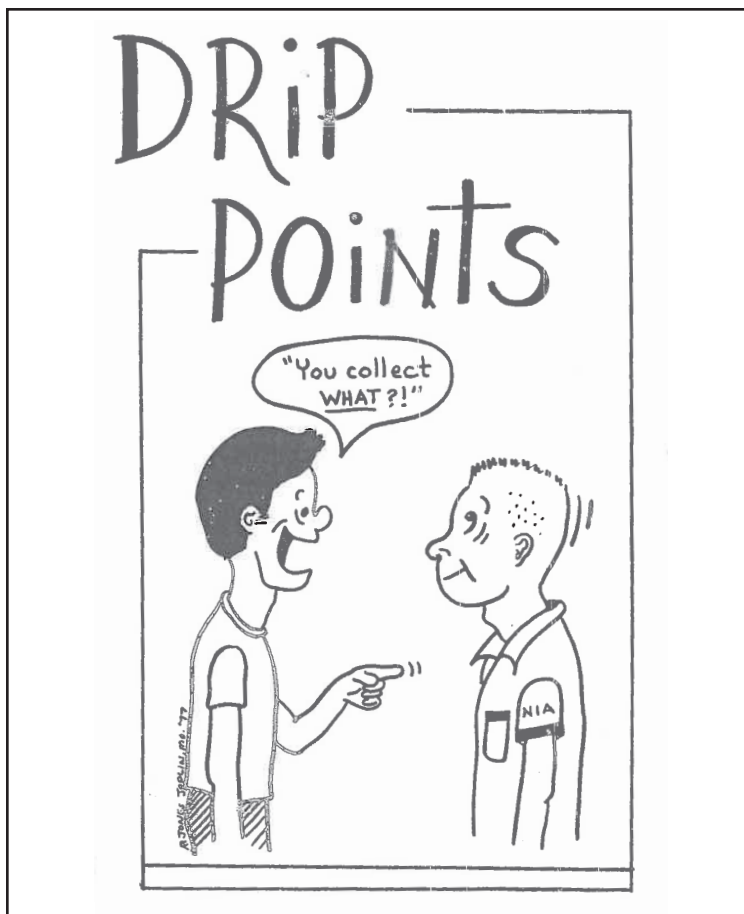
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In 2019, the NIA Board voted to increase Drip Points Magazine to bimonthly (6 issues per year) starting in 2020, thanks to another generous donation from Tommy Bolack. And here we are, in our third year of bimonthly issues! Our largest ever issue to date was the December 2021 issue—at 84 pages, that's the equivalent of *twelve* Volume 1, Number 1 newsletters in a single issue!

Today, Drip Points Magazine has grown to such a size and publishing frequency that it is no longer feasible to be managed by a single editor. In 2020, Christian Willis' position moved from Editor to Managing Editor, and Doug Rusher & Mike Green joined as the first Assistant Editors of the magazine. Since then, the Drip Points Editorial Staff has added additional positions such as Staff Writers and International Coordinator. As a volunteer organization, we're always open to additional help! Please reach out to us at [drippoints@nia.org](mailto:drippoints@nia.org) if you'd like to be involved in the production of this fine magazine.

We always strive to include a wide range of content for everyone in each and every issue, including glass, porcelain, foreign, go-withs, show reports, hunts & finds, research articles, member biographies, board & committee articles, advertisements and more. This is your magazine! We're always interested in publishing your content and are open to new ideas and ways to improve the magazine.



VOLUME 5, NUMBER 1 (1977) COVER ARTWORK BY RICK JONES

Lastly, I would be remiss if I did not take this opportunity to list Drip Points' Information Directors and Editors responsible for the publication of this newsletter/magazine over the past 50 years (see list below). And of course a big, heartfelt thank you to each and every NIA member who has contributed time and funding to make this publication what it is today. Thank you—here's to the next 50 years! ▲

## DRIP POINTS

### NIA Information Directors & Editors

RAY BRYAN • NIA #55 (1973–1975)

ADDIE TASEM • NIA #30 (1975–1976)

ALAN RODGERS • NIA #256 (1976–1977)

RICK JONES • NIA #201 (1977–1978)

MICHAEL SOVEREIGN • NIA #1548 (1978–1979)

MICHAEL BRUNER • NIA #1482 (1979–1984)

KENNETH STEFAN • NIA #2413 (1984–1986)

MIKE GUTHRIE • NIA #3297 (1986–1988)

DONALD REINKE • NIA #3557 (1988–1993)

TOM KATONAK • NIA #3567 (1993–1999)

LEE BREWER • NIA #6695 (1999–2001)

KEVIN JACOBSON • NIA #6720 (2001–2006)

ARTHUR MCCONNACHIE • NIA #6934 (2006–2010)

SHAUN KOTLARSKY • NIA #4993 (2010–2017)

CHRISTIAN WILLIS • NIA #5185 (2017–2022)

DOUG RUSHER • NIA #1773 (2022–)

# REVIEW OF "A GUIDE TO SANDWICH GLASS"

BY NIA HISTORIAN RICK SOLLER \* NIA #2958

In 1985, Raymond E. Barlow and Joan E. Kaiser published the first edition to their book, "A Guide to Sandwich Glass." To insulator collectors, the book provided a 10-page chapter on insulators and conduit that allowed them to attribute certain threadless and lightning rod insulators to glass companies located in Sandwich, Massachusetts as well as provide history on the companies to go along with the identification.

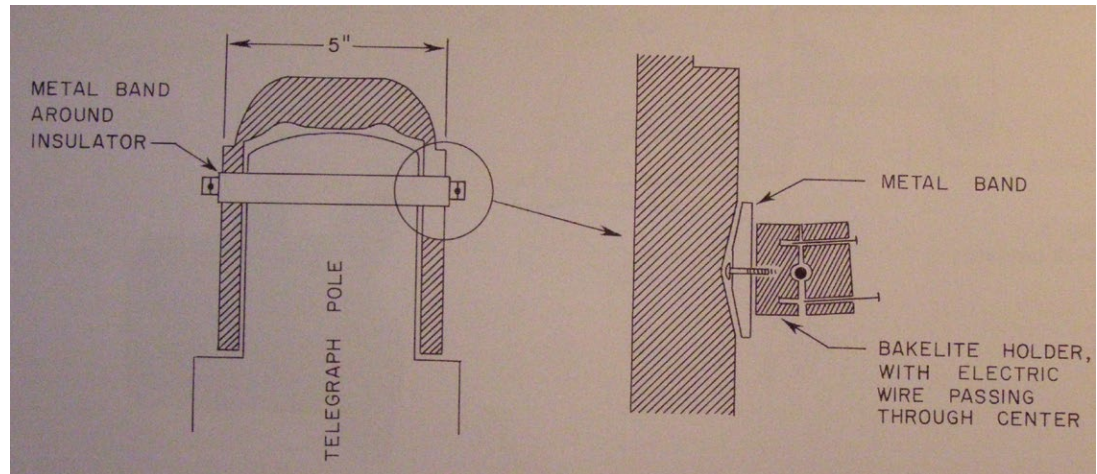
According to the book, insulators "have been dug in very large quantities at the site of the factory" (p. 39). Lightning rod insulators pictured in the book are Otis LRIs (LRO 201 to 225), cross-top LRIs (LR 129 to 137), saddle-top LRIs (LR 115 or LR 122), Stebbins-type (LR 194), and side tab types (LR 80 and LR 92). The tops of several pin-type insulators are shown but I could not identify them with just those fragments. The book shows an odd glass insulator that fit over the entire top of a telegraph pole, had a metal band around it and a Bakelite insulator attached to the band was illustrated but no information on where the illustration came from. Two pieces of threadless glass insulators are shown. One appears to be a straw-colored CD 701 or a CD 701.5. Since there is a Sandwich Glass Museum in Cape Cod, it would be interesting to know if they have some of these pieces on display or available for a researcher to examine.

The dates associated with pictured insulators are problematic in the book. Otis insulators are reasonably dated as 1851 given the patent on these insulators was issued in 1851. Stebbins insulators have the same 1851 date in the book which is inaccurate given the insulator wasn't patented until 1867. The threadless egg is attributed to the Electrical Glass Corporation with a date of 1890. The 1890 date is when the corporation started production, but 16 years after the July 25, 1865 patent for threads issued to Cauvet so it seems unlikely the insulator was made after this date and, therefore, by this company.

Three claims in the book need revision or support. On page 41, the authors claim the Otis was the "first attempt to ward off the power of an electrical charge from lightning." At least three patents for LRIs were issued prior to the Otis patent, one to Brown & Robinson on September 24, 1825, one

to L'Anglaise on October 3, 1846, and one to Spratt on February 5, 1850. A second claim made in the book is that a side-tab LRI could be used as a wall tube with the side tab serving as a "cutting edge." I find it unlikely that a thick side tab could be used in such a way. A third issue in the book is regarding an insulator mold pictured on page 46. Those collectors who attended the 1995 NIA convention in Marlborough, Massachusetts may remember seeing the mold in a non-competitive display. The mold was on loan from the Sandwich Glass Museum but no insulator in that shape has ever showed up in the hobby and the contours of the mold make the piece look like the base of a lamp, not an insulator.

Older references like this one sometimes contain surprises and sometimes errors. One enjoyable aspect of the hobby is trying to figure out which is the case. ▲



# THE CALIFORNIA ADVENTURE (PART 1)

BY DWAYNE ANTHONY ✨ NIA #3619

This is the first in a series of articles documenting the May 2019 excavation of the California Glass Insulator Company factory site in Long Beach, California, circa 1912-1914. The involvement with this excavation has subsequently generated a deep desire to delve into further historical research on CGI Co. This report is intended to provide an accounting of the dig at the factory site only. Extensive historical research is being compiled for a future book publication. Please note that all references to 'CGI Co' (California Glass Insulator Company) are used loosely to cover the factory's full production period, including their latter reorganization to California Glass Works.

## INTRODUCTION

About 15 miles inland from the Southern California coastline, located in Anaheim, CA, is a Walt Disney theme park known as California Adventure. There is a ride there called "The Incredicoaster". When you board this rollercoaster ride you experience many twists and turns and it is...well, pretty 'Incredible'.

Just like the Incredicoaster, the journey presented here will have multiple twists and turns. It does not involve a literal rollercoaster, yet it may feel like you are riding on one at times. As you will soon learn, it was literally "incredible". Our journey begins and ends just twenty-five miles west of the California Adventure theme park, in a coastal city known as Long Beach, California. Be sure to fasten your seatbelts. We hope you enjoy the ride!

## FIRST CONTACT

It all started on Monday, May 6, 2019, with a Facebook instant message, time-stamped 2:38 pm: "Dwayne, can you give me a call? Bob Stahr, cell 312-758-XXXX". Since my afternoon work schedule can vary, I arrived home a little earlier on this day to find Bob's newly sent message awaiting my reply. With my curiosity piqued, a call went out to Bob with no delay. There was a noted fervor in his voice as he began to recap a phone conversation that occurred just one hour earlier with the owner of a property in the commercial district of Long Beach, California. This property owner, Todd Taricco, was in the early groundbreaking stages of developing the vacant parcel of land that was to eventually house a large commercial building for his expanding business.

An excavation company was already on the site performing preliminary work. Removal of several feet of soil was to occur within the week, then eventually replaced and compacted. Only a foot or two of soil had been penetrated in select areas of the property. In doing so, a small number of interesting glass artifacts had appeared with the name 'California' embossed on them. Mr. Taricco snapped a photo of a small group of these insulators, including some related glass shards, then promptly turned to the internet for potential identification. His research led him to various insulator sites, including Bob's research and patent pages.

It was within minutes after our phone conversation that Bob had the photos and contact information already emailed to me. When I pulled up the first photo (*Figure 1*) there was less than a 5-second pause before putting the death-grip on my office phone to make the call!

My call to Mr. Taricco was immediately answered and in no time our conversation had rapidly progressed to a high level of positivity. I was encouraged by his sincere desire to save these important artifacts from dire destruction. He had researched enough to realize he was sitting on a sector of the former factory site of the California Glass Insulator Company.

He felt a personal obligation to seek out someone that might be interested in recovering these 100-year-old plus artifacts for future historical studies and preservation. After much discussion, Mr. Taricco granted me his full and exclusive permission to gather and retain all



FIGURE 1: INITIAL PHOTO OF GLASS SAMPLES

# THE CALIFORNIA ADVENTURE (PART 1)

(CONTINUED)

related artifacts should more be uncovered from the construction site. I then requested permission to bring a second party in to assist me, to which he agreed. Just before the call ended, he stated with extreme confidence that the impending work on the site would surely produce more hidden treasures, so I was told to be at the ready. We agreed to stay in touch on a daily basis.

At the very moment that this mind-blowing phone call ended, I experienced a rushing sense of excitement. I wanted to think positive, that the dig of a lifetime could truly be in my future, but there was also a nagging pessimism looming. I suspect it was to prepare me for the enormous disappointment if the dream were to fall through? Having 35 years of bottle digging behind me, I know there can be a multitude of uncertainties with permission digs. Things can go sideways at a moment's notice. Nothing is a done deal until the last artifacts are pulled from the bottom of the hole and safely in your possession offsite. Whatever the outcome was to be, just the mere thought of digging the California Glass Insulator Company's factory site was enough to keep the dreams alive with optimistic hope and anticipation.

I then decided at this point to put the invitation out to local Long Beach collector and friend of 35 years, Dave Hall, to come in as my assistant if the dig actually materialized. Dave enthusiastically accepted and agreed to perform daily visits to the site to report on any glass sightings. Given my eighty-mile distance from Long Beach, this task would only take minutes for him, whereas hours for me.

## DAY ONE OF THE DIG

On the morning of Thursday, May 9, 2019, just three days after my initial contact with Mr. Taricco, I was only moments from heading out the door when our landline phone began to ring. Darn telemarketers, I thought, then I glanced over and noted the name 'Taricco' on the caller ID. I will never forget hearing those much-anticipated words that were presented quite candidly on that call: "You had better get down here, there's glass everywhere!" For a moment life seemed to suddenly come to a standstill, as I attempted to process what I was hearing. Additionally, how was I to maintain a committed business appointment that morning? As I gathered my thoughts, I promptly recollected that the appointment was to conclude about 10:30 am and my afternoon was free, so I told Mr. Taricco I would be there between noon and 1 pm. He added that the excavator operator had cut into an extensive layer of glass and hundreds of insulators were scattered everywhere! As my head was spinning with an almost incomprehensible vision of a glass wonderland awaiting me, he then inquired as to what I wanted him to tell the equipment operator to do at this point. Really? Do I really get to call the shots on this? I recall blurting out something about leaving it all undisturbed, or carefully moving the debris to the side until I arrived.

The morning business appointment seemed to last a lifetime. The anticipation was unbearable. Even though I might have briefly exceeded some speed limits at times, the drive to Long Beach was agonizingly long, with several periods of heavy traffic to navigate. Dave was also working out his scheduling to meet me there at about 1 pm. As I exited the freeway, I let my GPS guide me the last three miles...but wait, I feel I'm going in the wrong direction! I realize in my haste I had left out the east/west designation from the address, so my GPS evidently flipped a coin and sent me in the opposite direction. A call goes out to Dave for some quick directions. Dave guides me in and tells me he, too, is nearing the site. Our timing could not have been better, we both arrived within seconds of one another at 1:05 pm. Weather conditions for Long Beach were average for the day, with overcast skies and an expected high of 66 degrees F.

Mr. Taricco had advised me by phone to check in with the heavy equipment lead foreman, Johnny, upon arrival. As we both walked onto the site, we first contacted the water truck operator, who led us to a large loader that was working the south property line. As we approached, the huge loader idled down and shut off, then Johnny climbed down to greet us. He had already been instructed to give us a tour of the spoils and allow us free rein of the property and artifacts. As we began to follow Johnny to the east end of the property, two members of his crew joined us. As we walked on the recently leveled ground it was quite clear that we were being directed to an area to the east that exhibited extensive earthmoving activity. As we approached this area, consisting of approximately one acre in size, we saw mounds and berms of soil haphazardly piled high, flanked by gouges where several cuts had been made. (Figure 2)



FIGURE 2: MOUNDS OF ARTIFACTS MIXED IN SOIL

# THE CALIFORNIA ADVENTURE (PART 1)

(CONTINUED)

The glistening of glass was everywhere, just as Mr. Taricco described! As I hurriedly walked at a faster pace, I soon noticed small glass shards scattered about at my feet. While still skirting the perimeter of the glass zone I looked to my left and noticed an insulator half peeking out from a two-foot-high berm of soil. This would be my first physical contact with a relic found on this site from CGI Co's glory days. As I knelt down to carefully retrieve it, I could see that unmistakable deep shade of blue California glass through the brown patches of surface dirt. Once clasped in my hands I began to vigorously wipe the soil off to identify it. It revealed itself as a deep blue CD 161 California with a shortened base, but it seemed heavier than a standard signal... wait, it's a solid pour! Not bad for my first insulator meet-and-greet on the site! This was followed with an immediate shout over to Dave, "Hey Dave, it's a solid pour signal!"

As we reached the edge of the highest berm (*Figure 3*), all five of us stopped and looked over the edge and down the backside. Dozens upon dozens of blue insulators along with other glass fragments were strewn down the embankment, freshly scattered by the loader bucket. I recall turning and looking 360 degrees around me. This was when the reality firmly set in, and I realized this was really happening. It was then that I first mouthed the words that would be often repeated, "This is incredible!"

Referring back once again to Figure 1, which was the first photo forwarded to me by Bob Stahr, you can see a CD 1131 large egg appearing as some shade of yellow-green. As Dave and I initially stood there on the berm chatting with the work crew, I asked if any of them had seen any oddly shaped glass insulators shaped like an egg? One responded that perhaps he had and asked if it might look something like a glass Pacman figure? At that moment one of the other workers reached down at his feet, picked up a piece of yellow glass, and as he was handing it to me he said, "Like this one?" It was an indescribable, magical moment as I stared at a greenish-yellow CD 1130 small egg, still partially encrusted with hard, silty Long Beach soil. Knowing I would want to document this first egg encounter with a photo, I re-

frained from wiping the silt off of it and immediately placed it back in the exact location on the berm where it was taken from.

I have to say that the next hour or so was an utter blur. I immersed myself in glass. There was glass everywhere. Glass insulators, glass soda bottles, glass milk bottles, glass carboys, all sorts of window glass... just glass everywhere! My brain was trying to process what my eyes were feeding it, but all systems were on overload. Dave had to endure my constant mumbling of those three familiar words, "This



FIGURE 3: THE HEAVY EQUIPMENT WORK CREW

is incredible!?" I do recall getting my wits about me to scramble back to my truck and grab my camera. I needed to shoot photos before we started gathering samples of the multitude of relics seen scattered indiscriminately before us. Many had been removed from their 100+ year resting place and scattered or dumped several feet or yards away, others within the bucket cuts were still intact peeking out from their original layers. It was vitally important at this point to document this first moment of contact before further disturbing anything. It was difficult at this point to look and not touch, but somehow, we endured it.

As I was darting up and down and over the irregular cuts and mounds of soil and glass, finalizing the first series of photographic documentation, a white Lexus pulls onto the lot and parks nearby. The driver's door opens and out steps Mr. Taricco. We shake hands as we meet face-to-face for the first time. Now that the formalities are out of the



# THE CALIFORNIA ADVENTURE (PART 1)

(CONTINUED)

way, I will hereafter refer to him by his first name, Todd. I asked Todd if he had gathered up any new and interesting artifacts, in addition to those pictured in the first photo I saw? He replied with an invitation to walk with him to his car. When he popped the trunk open, I came face-to-face with, not one, but now two, CD 1131 eggs in yellow lime



FIGURE 4: BOXED SPECIMENS IN CAR TRUNK

green nestled in with some assorted blue and yellow signals, plus some interesting slag glass. With my camera still in hand, I took a quick photo (Figure 4). I'm not sure what persuaded me to restrain myself from reaching into the car trunk and handling at least one of the specimens, especially one of the eggs, but I didn't. Thinking back, it was obviously the anxiousness to get out on that field of spoils and finally put my hands on the thousands of newly uncovered artifacts. Todd slammed the trunk closed. It was time to get this dream rolling!

Todd and I walked back over to the easternmost embankment (Figure 5) where Dave had already begun to gather up a few samples. I at once hit the dirt with him, muttering more of the "this is incredible" comments, as Todd looked on smiling. Todd then asked, "Is this as good as you expected? Are you having fun yet?" I had to blurt it out one more time, "Yes, this is incredible", to which he responded, "I thought so, you clearly appear excited!" That was the biggest understatement of the year! Todd then stepped away for a few moments and left us with our field of glass to frolic in.

Dave and I began to make piles of keepers. There were so many questions and uncertainties running

through our minds as we tried to make sense of all the glass mysteries scattered before us. Were all the various bottles we were seeing in colors of clear, aqua, green, and amber actually made by CGI Co? Did CGI Co make window glass? We were seeing scads of clear flat glass (Figure 6) that had been scattered about by the equipment, as well as dense layers still intact in the cuts. This glass ranged in varying thickness, from very thin windowpane glass to one-inch-thick pieces of industrial flat glass. Much of this glass appeared to be discarded trimmings from larger sheets. It was evident that there was much to sort out, but for now, all eyes were on the insulators.

We first worked the embankment where the loader and excavator had scattered a few buckets of mixed dirt and glass for us. This is where we initially found and identified many blue California embossed insulators, including CDs 102, 152 (narrow-dome hoop skirts), 161, 162, and 166. A few yellow and greenish-yellow insulators, mostly shards, were also collected on this embankment, sparsely mixed in with the blues. These consisted of CDs 152, 160, 161, 162, 166, 208 & 1130. We pondered over the high ratio of blues versus the few yellows and wondered if they had come from different locations on the lot and were cross mixed by the loader or excavator? We hoped additional time on the lot would either confirm or deny this.

As we were beginning to expand further out of this initial gathering zone on the embankment, Todd appeared and asked how things were going. We explained that we were working as fast as we could and would start boxing up our piles of glass as soon as we unloaded our



FIGURE 5: INSULATOR TAILINGS WITH WINDOW GLASS CULLET

# THE CALIFORNIA ADVENTURE (PART 1)

(CONTINUED)



FIGURE 6: CULLET PILE OF WINDOW GLASS AND SODA BOTTLES

empty boxes from our vehicles. It was then that he assured us that the construction crew would not work any of the area containing glass artifacts until we had a reasonable amount of time to gather a sufficient number of specimens. Todd then asked, "How much time do you feel you will need?" I wasn't certain if he was talking minutes or hours, so I asked him how much time he was willing to allocate us, to which he replied, "Well, it will cost me on a daily basis, but I can keep the guys off this end of the property until next Monday or Tuesday if you need that much time?" There it was once again, that surreal feeling of elation, knowing we would have the next four to five days to freely work this amazing glory hole!

As if that was not good enough news, Todd then asked us if we wanted the equipment foreman to bring the excavator over and spread the embankment out a little more. It took a few moments to consider the possibility of further damage to the artifacts and reflect on the full expanse of the area we would have to manually dig. Even with the 4-5 days, it became apparent that we could use all the help offered.

The large track excavator came crawling over, squeaking and groaning (*Figure 7*). It took a few swipes at the embankment, further scattering dirt and debris for us to pick through. Several more insulator specimens

were gathered up and placed in our gathering buckets, then off we went to explore a wider area of the spoils.

We moved over to an adjacent area to the north that contained the deepest cuts and highest piles of mixed debris. We noted specific piles dropped by the excavator bucket that mostly contained mixed window glass. Other piles contained a mix of window glass, broken and whole soda bottles, and the large tops and thick bases of broken 5-gallon water bottles. An occasional top or bottom of a milk bottle could be found, as well as other types of bottles, some whole, some as shards. This area contained a surprisingly low number of insulators scattered about, almost all of which were blue in color.

Dropping down into the trenches I could see the remaining untouched layers that were exposed along the sides of the cuts. These layers averaged 12-18 inches in depth and contained the same forms of glass artifacts as the adjoining piles. These layers were less than a foot under the original surface of the lot. Clear



FIGURE 7: ASSISTANCE FROM THE EXCAVATOR

# THE CALIFORNIA ADVENTURE (PART 1)

(CONTINUED)

window glass was most prevalent, followed by aqua soda bottles. The majority of the soda bottles that appeared in this zone were crown-tops and embossed on their sides with “Los Angeles Ice and Cold Storage Co.” They were hand-tooled, which suggested a manufacturing period prior to the establishment of the CGI Co factory. The possibility that we were standing in an area where the glass cullet had been stored was becoming increasingly evident.

As I continued my assessment of this northerly zone, I was glancing to the south and noted more blue California insulators scattered about, so my curiosity swiftly led me in that direction. Indeed, more blue insulators were being found in these piles and cuts, with little to no cullet mixed in. Looking even further south I began to find shards and

ly, so that adds up to 22 individual CDs with the California or CGI Co embossing. We then added the unembossed CDs 164 and 210 as the final two (even though there has always been some degree of conjecture as to whether they were manufactured by CGI Co., or not).

Dave and I were given permission to come and go on the property as we pleased. There were three locked gates and Todd gave us the combination to the rolling east gate that provided us with the easiest access to the end of the property that held our treasures. We stayed on the lot into the darkness, using portable lights to guide us along. At 8:00 pm we decided to load up the last of the collected specimens and head out, locking the gate behind us.



FIGURE 8: THE THREE SMALLER-SIZE R.P.F. EGGS AS THEY SAT ON THE KITCHEN COUNTER

specimens of yellow glass insulators in and around the final southerly cut, as well as some piles left by the excavator and the small, loose berms created by the surface scraping of the loader.

A pattern was starting to appear, but much more investigation was going to be required to plot out what we were observing. Dave and I decided to start working on the various loose piles of dirt and glass in the southerly section, gathering all that we could of the blue and yellow glass specimens. In addition to that first small yellow CD 1130 egg initially found on the berm, we recovered two more on this first day. The second was found in a pile of dirt with other yellow insulator shards on the south end. The third egg was surprisingly found in a pile of window glass cullet on the upper north end. Other than a few scattered blue signals, this last egg was the only yellow insulator found in that area. (Please note that I am using ‘yellow’ as a generalization. Many shades of yellow to yellow-green insulators were found on this factory dig site.)

Every time we would find an existing CD style not yet found on the site, whether whole or a shard, we would share the excitement. Such was the case on this day when we located a couple of yellow CD 208 domes. Of the twenty-four individual CD numbers to hopefully recover on the site, we logged in 8 on this first day. They were CDs 102 California in blue; CDs 160, 208, 1130 in yellow; CDs 152, 161, 162, 166 in blue and yellow. We established the target number of twenty-four by counting the two-piece transposition top and bottom CDs individual-

Fortunately for me, Dave’s local rental house happened to be vacant, so I was invited to stay there for the night, avoiding the round-trip drive back and forth. That night after dinner we grabbed the three eggs from the truck and took them to the kitchen sink for a thorough cleaning and inspection (*Figure 8*). Up until that day, there were no small CD 1130 eggs known to exist in yellow, so we were excited to have a total of three in our possession!

The soaking and cleaning at the sink created quite a stir of excitement. When the silt was washed away from the small embossing at the mouth of the eggs, we discovered it was not the familiar ‘CALIFORNIA/PAT APL’D FOR’ that was known to occur on all the small sage green eggs in the hobby. At the upper ridge of the mouth where the California embossing was expected to be located, we noted three abbreviated capital letters staring right back at us. All three eggs were embossed with ‘R.P.F.’ on the upper ridge and the typical ‘PAT APL’D FOR’ on the lower ridge. Wait, what is this? Why are they not embossed with California? What does RPF stand for? Why haven’t these been seen or reported before in the hobby? These are the questions we mulled over until we realized it was time to get some much-needed sleep. What exciting discoveries would Day Two bring? Hopefully something ‘incredible’! ■

*Part Two of the California Adventure will be continued in the next issue of Drip Points!*

# INSULATOR PHOTOGRAPHY

PHOTOS SUBMITTED BY STEPHEN BROWN \* NIA #10042



“LEFT OVERS” JUST HANGING OUT.



INSULATORS IN SMOKY SKIES AROUND NILES, CA DURING THE FIRES. (LOVE THE POLE EXTENSION!)



“A HARD LIFE” OUT BY FRESNO, CA.



“END OF THE LINES” OUT BY ALVISO, CA.



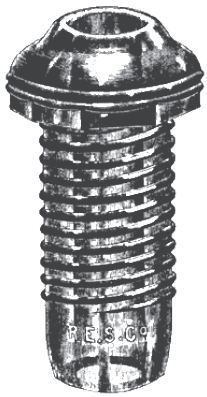
“LANDINGS” WAS TAKEN DURING THE MORNING AROUND SANTA CLARA, CA.

For Part 4 of "Odds & Dead-Ends," we're going to delve into yet another category of less-explored Hemingray glass insulators: **floor tubes** (also called floor insulators, wall tubes or window tubes.)

These insulators served a straightforward purpose: insulate a wire as it passed through a building, whether that be a floor, wall, window frame or other partition. I consider floor tubes to be a subcategory of bushing (see Part 3 in the December 2021 issue of Drip Points), as they served essentially the same purpose. As such, I have included them in my temporary "BT" (Bushing & Tube) numbering system as we continue to learn more about these interesting insulators.

## When were floor tubes invented?

While it is unknown exactly when the first floor tube insulators came into existence, references to rubber and porcelain tubes have been found from 1888: "An extra heavy insulating material, such as rubber hose or hard rubber or porcelain tube... must be put over the wires where they pass through walls or partitions."<sup>1</sup>



1890 ILLUSTRATION PICTURING A GLASS FLOOR TUBE EM-BOSSED "R.E.S.CO."

Threaded glass floor tubes began appearing a couple years later—a January 1890 article from Electrical Industries pictured a floor tube offered by Shay, Stephens & Co. of Chicago: "No. 13 is a floor insulator, and is used extensively for running heavy wires through floors and window frames."<sup>2</sup> (Hemingray manufactured insulators for Shay, Stephens & Co., embossed "S.S. & Co.")

Another article dated March 22, 1890 in Electrical World announced "a new safety floor insulator which has been recently brought out and placed upon the market by the Royal Electrical Specialty Company, of this city. Its object is to take the place of hard rubber tubing for carrying wire through floor partitions. The insulator is of a fine quality of glass and has received the approval of the New York Board of Fire Underwriters. They are made in various sizes, ranging from three to six inches in length and are being extensively used by a large number of the electric light and motor companies throughout the country. They have also been employed quite largely as window tubes for the reception of heavy electric light wires, and have given good results in all their various applications. The latest form is made hexagonal to the extreme top of the head for convenience in insertion."<sup>3</sup> The illustration used was the same one pictured in the Shay, Stephens & Co. article, but the "R.E.S.Co." embossing has been added.

Meanwhile, an article from July 13, 1892 claims that a new porcelain window tube design "require[s] a much smaller hole than the ordinary glass floor insulator now generally used..."<sup>4</sup> This statement would imply that glass floor tubes were well established by this point.

Who made glass floor tubes?

Based on 1902-1920 catalog illustrations bearing the Hemingray name, and dimensions matching earlier 1890s catalogs, Hemingray was clearly the dominant manufacturer of glass floor tubes.

**Glass Floor Insulator.**

ALSO USED AS WINDOW TUBES FOR HEAVY WIRES.

No. 344. 3 inches, 1/8, 3/4 or 1 inch bore.....	each, \$0 07
" 345. 4 " 3/4 inch bore.....	" 08

ABOVE: 1893 CATALOG, TAYLOR GOODHUE & AMES, CHICAGO – LISTS 4 DIFFERENT SIZES AVAILABLE. PHOTO CREDIT ELTON GISH.

WESTERN ELECTRIC COMPANY. 413

**Floor Insulators.**

Glass Floor Insulators.

Code Word.	List No.		List Price.
			Per 1000.
<i>Bernard</i>	3816	3 in. floor ins., 1/2 in. bore, with thread	\$70.00
<i>Bertha</i>	3817	3 " " " 1 " " " "	70.00
<i>Bertram</i>	3818	3 " " " 1 1/4 " " " "	80.00
<i>Besech</i>	3819	3 1/2 " " " 1 " " " "	75.00
<i>Beseem</i>	3820	4 " " " 3/4 " " " "	80.00
<i>Besot</i>	3821	4 " " " 1 " " " "	80.00
<p style="text-align: center;">Nos. 3816 to 3825.</p>			
<i>Besige</i>	3822	4 1/2 in. floor ins., 1 in. bore, with thread	90.00
<i>Besiegement</i>	3823	5 " " " 1 " " " "	100.00
<i>Besieging</i>	3824	6 " " " 1 " " " "	120.00
<i>Besmoke</i>	3825	6 " " " 1 1/4 " " " "	140.00
<i>Besot</i>	3836	3 1/2 " " " 3/4 " " no thread	75.00
<i>Bespeak</i>	3837	6 " " " 1 " " split thread	200.00
<p style="text-align: center;">No. 3836.</p>			

ABOVE: 1897 CATALOG, WESTERN ELECTRIC – LISTS 12 STYLES & SIZES.

RIGHT: 1902 CATALOG, THE GEO WORTHINGTON CO. – LISTS 10 DIFFERENT STYLES & SIZES. NOTE THAT THE ILLUSTRATION NOW HAS THE HEMINGRAY NAME ON IT. PHOTO CREDIT ELTON GISH.

**GLASS FLOOR INSULATORS.**

FIG. 357.

Used also as Window Tubes for Heavy Electric Wires.

			Price per 1000.
3 in. floor ins., 1/2 in. bore, with thread			\$ 70.00
3 " " " 1 " " " "			70.00
3 " " " 1 1/4 " " " "			80.00
3 1/2 " " " 1 " " " "			75.00
4 " " " 3/4 " " " "			80.00
4 " " " 1 " " " "			80.00
4 1/2 " " " 1 " " " "			90.00
5 " " " 1 " " " "			100.00
6 " " " 1 " " " "			120.00
6 " " " 1 1/4 " " " "			140.00

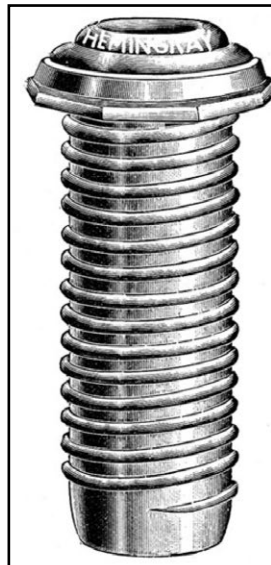
# ODDS & DEAD-ENDS (PART 4)

## HEMINGRAY FLOOR TUBE INSULATORS (CONTINUED)

Many specimens have been recovered from the Hemingray Dump also. That said, it's very possible that other glass companies manufactured glass floor tubes as well.

So far I am not aware of any floor tubes embossed "Hemingray", despite catalog drawings. (This was common practice with illustrations of Hemingray's insulators, and didn't always reflect the actual embossing.) However, there are at least 2 embossed floor tube designs currently known. See the More Research Necessary section near the end of this article.

RIGHT: 1904 CATALOG, THE W.E. NAGEL ELECTRIC COMPANY, TOLEDO, OHIO - LISTS 13 SIZES. PHOTO CREDIT ELTON GISH.



### Glass Floor Insulators

Trade word	Length	Bore	List price each
Liebeswor	3 inches	1/4 inch, with screw	\$0.16
Liebevoll	3 inches	3/8 inch, with screw	.16
Lieblich	3 inches	1 inch, with screw	.16
Lieblinge	3 inches	1 1/4 inches, with screw	.20
Lieblös	3 1/2 inches	3/4 inch, without screw	.18
Liebsten	3 1/2 inches	1 inch, with screw	.18
Liebtraut	4 inches	3/8 inch, with screw	.22
Liedchen	4 inches	1 inch, with screw	.22
Liefde	4 1/2 inches	1 inch, with screw	.22
Liefdebau	5 inches	1 inch, with screw	.28
Liefdelos	6 inches	1 inch, with screw	.30
Lieflokke	6 inches	1 1/4 inches, with screw	.30
Liefloogen	6 inches	1 inch, split	.40

The 6-inch split insulators are in two pieces. These pieces are tongued and grooved, and fit together closely.

#### FLOOR INSULATORS

Trade No.	Mfrs. No.	Length Inches	Bore Inches	Style	Price per 1000
036441	120	2 1/2	3/4	Screw	\$78.00
036442	121	3	1/2	Screw	83.50
036443	122	3	1	Screw	83.50
036444	123	3	1 1/4	Screw	100.00
036445	124	3 1/2	3/4	Plain	94.50
067161	125	3 1/2	1	Screw	94.50
036446	126	4	3/4	Screw	117.00
036447	127	4	1	Screw	117.00
036448	128	4 1/2	1	Screw	122.00
036449	129	5	1	Screw	140.00
036450	130	6	1	Screw	161.00
036451	131	6	1 1/4	Screw	172.00
83866	132	6	1	Split plain	228.00

The 6-inch split insulators are in two pieces, tongued and grooved, and fit together closely.

ABOVE: 1919 CATALOG, ELECTRIC APPLIANCE COMPANY, CHICAGO - LISTS 13 SIZES.

BELOW: 1920 CATALOG, WESTERN ELECTRIC - LISTS 11 SIZES. NOTE NO.120 AND NO.124 ARE NO LONGER LISTED. PHOTO CREDITS ELTON GISH.

No. 90

No. 91

Floor Tube

#### SPAN WIRE INSULATORS

List No.	Description	Crushing Strength	Diam. Groove	Weight Each	Wt. per 1000 Packed	Std. Pkg. Quantity	W. E. List Price Each
90	Span wire (Old No. 10)	4912 lbs.	3/8 in.	11 ozs.	700 lbs.	500	\$0.46
91	Span wire (Old No. 15)	5910 lbs.	1/2 in.	17 1/2 ozs.	1260 lbs.	250	.69

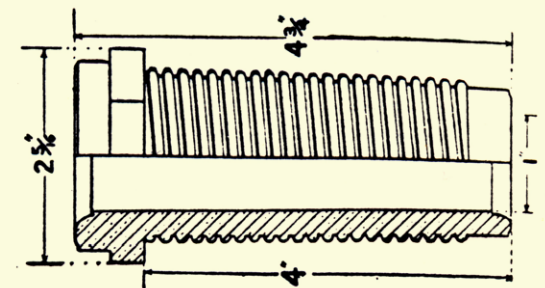
#### FLOOR TUBES

List No.	Length Inches	Bore Inches	Description	W. E. List Price Each	List No.	Length Inches	Bore Inches	Description	W. E. List Price Each
121	3	1/2	With screw	\$0.16	128	4 1/2	1	With screw	\$0.22
122	3	1	With screw	.16	129	5	1	With screw	.28
123	3	1 1/4	With screw	.20	130	6	1	With screw	.30
125	3 1/2	1	With screw	.18	131	6	1 1/4	With screw	.30
126	4	3/4	With screw	.22	132	6	1	Split plain	.40
127	4	1	With screw	.22					

### Measuring Floor Tube Insulators

It is important to note that floor tubes were measured in a very specific way:

- **Length** - The length of the tube that extends through the floor or wall (excludes the head). In the illustration below, the length is 4".
- **Bore Size** - The inner hole diameter, measured at the small end. In the illustration below, the bore size is 1". Note that most floor tube bores are tapered, so they are slightly larger at the "head" of the tube.



### References

- 1 <https://reference.insulators.info/publications/view/?id=8828>
- 2 <https://reference.insulators.info/publications/view/?id=5417>
- 3 <https://reference.insulators.info/publications/view/?id=7717>
- 4 <https://reference.insulators.info/publications/view/?id=4777>

# ODDS & DEAD-ENDS (PART 4)

## HEMINGRAY FLOOR TUBE INSULATORS (CONTINUED)

### Glass Floor Tube Styles

As evidenced on the previous pages, the sizes offered initially started off small in the early 1890s, but quickly expanded by the late 1890s and 1900s. It appears the most sizes ever offered at one time was 13, but based on reviewing the tube dimensions across all catalogs, we know that Hemingray manufactured floor tubes in at least 14 distinct sizes/styles, as listed in the table below. One tube size offered between 1893-1904 (BT 2121.5) was seemingly discontinued before they assigned style numbers, which ranged from No. 120 through No. 132.

Hemingray produced three distinct styles of tubes, described in various ways in different catalogs:

- **With Thread / Screw** – This was the most common style. Similar to a metal screw, it had outer threads to screw into wood, and the head would have a hex (6-sided) or oct (8-sided) head.
- **No Thread / Without Screw / Plain** – This was a less common style, but at least one style produced by Hemingray (No.124) did not have any threading. See photo at right.
- **Split-Thread / Split-Plain / Split** – This was a unique design consisting of two halves of glass, "tongued and grooved" to fit together around an existing wire. I would guess these were designed as a replacement for an existing line installation where the either a previous tube had broken and/or rerunning the line was not practical. This style was only used for No.132 (see page 27).



**BT 2120**  
NO. 120 FLOOR TUBE  
STEPPED OCT HEAD



**BT 2124**  
NO. 124 FLOOR TUBE  
STEPPED ROUND HEAD

BT #	Hemingray Catalog Style #	Length	Bore	Type	First Year Appeared in Catalogs (Approximate)	Last Year Appeared in Catalogs (Approximate)
BT 2120	120	2 ½"	¾"	Screw	c.1915	1919
BT 2121	121	3"	½"	Screw	1893	1920
BT 2121.5	n/a	3"	¾"	Screw	1893	1904
BT 2122	122	3"	1"	Screw	1893	1920
BT 2123	123	3"	1 ¼"	Screw	1897	1920
BT 2124	124	3 ½"	¾"	Without Screw	1897	1919
BT 2125	125	3 ½"	1"	Screw	1897	1920
BT 2126	126	4"	¾"	Screw	1893	1920
BT 2127	127	4"	1"	Screw	1897	1920
BT 2128	128	4 ½"	1"	Screw	1897	1920
BT 2129	129	5"	1"	Screw	1897	1920
BT 2130	130	6"	1"	Screw	1897	1920
BT 2131	131	6"	1 ¼"	Screw	1897	1920
BT 2132	132	6"	1"	Split Plain	1897	1920



# ODDS & DEAD-ENDS (PART 4)

## HEMINGRAY FLOOR TUBE INSULATORS (CONTINUED)

### Head Design Variations

As you can see from the various specimens pictured throughout the article, the "heads" of the floor tubes came in several different designs, which I have broken out into the following:

- **Stepped Oct Head** – The oct, or 8-sided, heads appeared to have been used exclusively on the smallest bore sizes. I have yet to find a large bore floor tube with an 8-sided head. Variations exist with 2 steps (such as the No. 120 on the previous page) or 3 steps (such as the No. 121 to the right).
- **Stepped Hex Head** – The hex, or 6-sided, heads appeared to have been used exclusively on the larger bore sizes. Similarly, I have yet to find a small bore (<math>< \frac{3}{4}</math>") floor tube with a 6-sided head. So far the only style I have found with a Stepped Hex Head is the earlier No. 122 (below, right).
- **Stepped Round Head** – This head style was only used on the unthreaded No. 124 and the 2-piece "split" No. 132.
- **Modern Hex Head** – Based on catalog drawings, the modern hex head appears to have been the last head design made by Hemingray and replaced the earlier Stepped Hex Head design. Unlike the other heads, this head has no steps but rather a single, curved and ringed opening in front of the hex facets behind it.

Below, you can see an example of the same No. 122 floor tube in both the earlier Stepped Hex Head and later Modern Hex Head designs.



BT 2121  
NO. 121 FLOOR TUBE  
STEPPED OCT HEAD



BT 2126  
NO. 126 FLOOR TUBE  
MODERN HEX HEAD



BT 2122  
NO. 122 FLOOR TUBE  
MODERN HEX HEAD



BT 2122  
NO. 122 FLOOR TUBE  
STEPPED HEX HEAD

# ODDS & DEAD-ENDS (PART 4)

## HEMINGRAY FLOOR TUBE INSULATORS (CONTINUED)

### Floor Tube Colors & Condition

The most common colors these come in are various shades of aqua, including light aqua, blue aqua, green aqua, and light green aqua. Less common colors include ice aqua, lime green, clear, off clear, gray and SCA (sun colored amethyst). So far I have not seen any in Hemingray Blue, but I'd be willing to bet there's at least one out there.

Condition-wise, considering these saw use both inside and outside buildings, it's understandable that these often saw rough service and therefore it is common for them to have some degree of damage on either end.



BT 2127  
NO. 127 FLOOR TUBE  
MODERN HEX HEAD



BT 2129  
NO. 129 FLOOR TUBE  
MODERN HEX HEAD



BT 2130  
NO. 130 FLOOR TUBE  
MODERN HEX HEAD



BT 2131  
NO. 131 FLOOR TUBE  
MODERN HEX HEAD

The No. 131 was the largest size floor tube made by Hemingray, measuring 6" long with a 1 1/4" bore.

# ODDS & DEAD-ENDS (PART 4)

## HEMINGRAY FLOOR TUBE INSULATORS (CONTINUED)



BT 2132  
NO. 132 FLOOR TUBE  
STEPPED ROUND HEAD

This is Hemingray's No. 132 "split plain" design. The insulator is in two halves, and has 3 interlocking tongues and grooves on each side, which prevented the pieces from shearing or separating once inserted into the floor or wall.



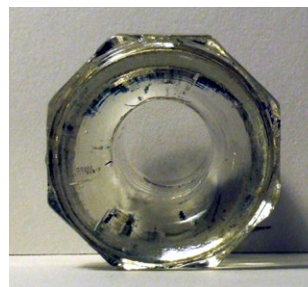
### More Research Necessary

I know I always say this, but we've just scratched the surface of what's out there! Here are some additional glass floor tube designs that may or may not be Hemingray products, but absolutely deserve a mention. Do you have another design, color or embossing not mentioned in this article? I'd love to hear from you! Visit <https://hemingray.info/wanted> to see which designs I'm still looking for. ▲



This floor tube is embossed "THE E.S.G. & CO." It should be noted there is an identically embossed CD 1085 break knob spool which I suspect is a Hemingray product. Perhaps this floor tube was manufactured by Hemingray as well? Photos courtesy of Paul Greaves.

These are the smallest floor tubes I've seen to date. The two specimens below are clear in color, have an oct (8-sided) head, and measure 1" long with a 5/8" bore. Based on the head style, glass quality and dimensions, I doubt these are Hemingray products. The tube in the top two photos is unembossed. The tube in the bottom two photos is from the collection of James A. Lindsey, Sr. and appears to be embossed "Made In/ NO/"; the rest is illegible.



LEFT: These Oct Head SCA two-tone pieces clearly faced the outdoors; they came out of the ghost town of Bodie, CA over 60 years ago. The overall length is 5 3/4", and the bore size is 5/8". Photo courtesy of Dwayne Anthony.

# BORN UNDER A LUCKY STAR

BY TERESA DEMPSEY

**Australia's insulator fraternity lost one of its Lucky Stars in 2020, Alan Ames from Hamilton, Victoria.**

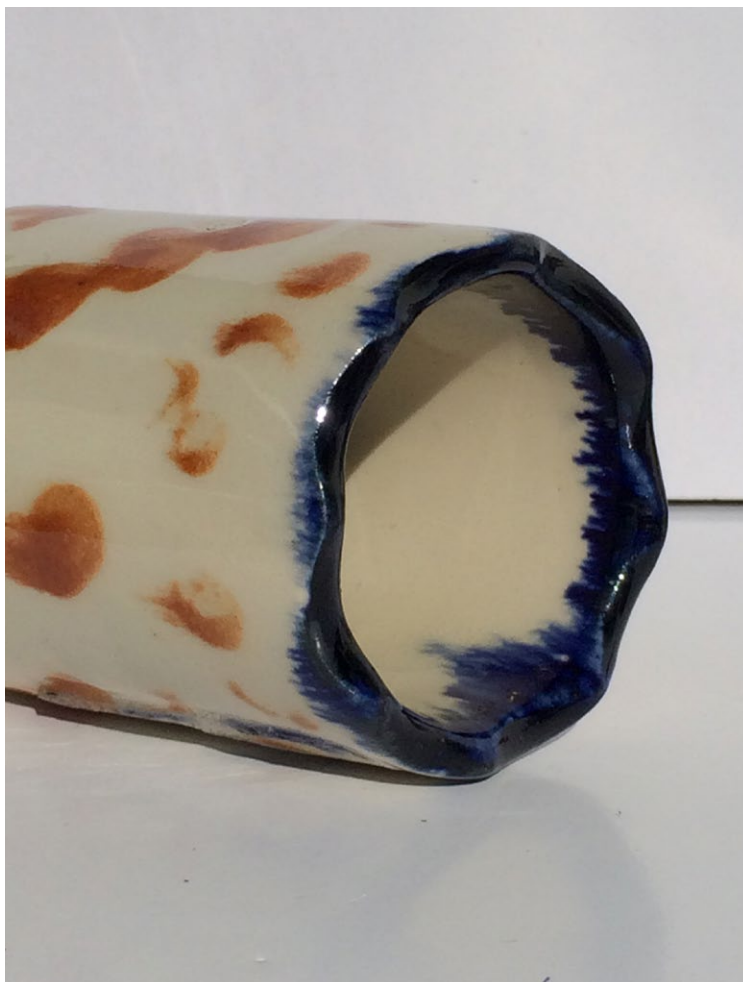
Alan was a retired plumber who loved to make people laugh and was very passionate about insulators. Alan had only been collecting insulators since 2003, but he managed to accumulate a very impressive collection. He caught the insulator bug after attending a bottle show in Victoria, where there were four magnificent insulator displays being showcased by long time collectors, Noel Dawson, Ron Bernard, Ray Coventry and the late Warren Forster—from then on he was hooked. Alan and his wife Beth traveled around Australia collecting insulators and meeting many wonderful people. A few of his gems were a yellow CD 423 found in Warrnambool, a rare CD 420.1 he picked up at a swap meet in Bendigo, a very unique U-1154 with cobalt blue scalloped base attributed to Koster Pottery which he picked up at a bottle & collectables show. He also managed to pick up a two-tone amethyst/green CD 490 with four drip points at a farm clearing sale, and if you're still not convinced, he was born under a 'lucky star', he pulled 'Four', CD 432s from the bottom of a 44 gallon drum at a clearing sale. I first met Alan through the Australian insulator Facebook group page back in 2017 where we struck up friendship over insulators and their

history. On my insulator hunting trips in Australia, I would always try to put Hamilton on the map, calling in to stay for a few days with Alan and Beth. It became my home away from home. Another insulator collector friend of Alan's, Rob Mackie and Alana son Darren readied the collection for selling. Beth was pleased that pieces went far and wide, to every state in Australia, the UK and some to the US. A few special pieces which had not been available for public auction in a number of years if at all were put on eBay and did very well. CD 490 with four drippers, a rather 'colourful' 1860s ebonite threadless insulator from the Peterborough Post Office in South Australia, and a green U-1493 sub bell. The real 'Wild Card' was the ECCA, round, 'Ball' fuse. This was the first time one had been put up for public auction so it was unclear how it would go. It sold for over \$500 dollars, which if Alan was here he would have laughed and said he should have put it in a more prominent spot on his shelf.

For those that knew Alan, we also felt lucky and think of him every time we look at one of his insulators sitting on our shelves.



U-1154 – A FABULOUS PIECE



U-1154 BASE VIEW

# BORN UNDER A LUCKY STAR

(CONTINUED)



1 Copper Tops, Muncie, Old Phones, etc.



2 Notice the metal clad insulators on the wall.



3 U-1493 SUN



4



5



6

Here are a few photos of Alan's insulators that were sold.

1. Copper tops, Muncie, old phones, etc.
2. Metal clad insulators on the wall
3. Unmarked Green Sun \$325AUD
4. Group Picture (Left to Right):  
CD 423 Yellow \$800AUD  
CD 420.1 Steel Blue (No Value Given)  
U-1154 Koster Pottery (No Value Given)  
CD 490 2Tone 4Drip \$325AUD
- 5 & 7. E.C.C.A ball fuse \$510 AUD
6. Threadless ebonite (green & red paint) \$800AUD

The U-1493 is a 1916 Drayton Bros/ Then SUNSHINE Porcelain Potteries PTY LTD Est 1921



7

# THE OLD WOODEN BOX

BY KIM BORGMAN ✱ NIA #3038

It's Friday night of Thanksgiving, and I'm stuck at home working. Because Thursday was a holiday we had to run two billing cycles on Friday. Once we run a billing cycle, we have to route the orders for the most efficient delivery, and that takes some time. Times 5 also since we have that many delivery areas in the state we have to cover.

Killing time waiting. I'm already planning on going to a train auction on Saturday an hour away from home. Some American flyer sets and mixture of engines, cars, accessories in the mix. Nice lot of pre war stuff available, but I'm mainly interested in the post war stuff up to 1950's. Trains and insulators. They go together right? Anyway, I'm randomly looking through auctions, searching keywords, and the like. As I recall there are 5 Saturday auctions within 50 miles of my house. Decide to look at the pictures again for one I had perused last week. Don't ask me why, maybe because several years ago I had pulled a lot of insulators out of there. Fate is just as good of a reason. In perusing the pics, boom, there is a downward shot of an old wooden box of insulators. Mind you the word 'insulator' is NOT found anywhere in the auction listing. I study the picture intently. Definitely seeing an amber CD216 in one corner, a purple diamond laying on top, 3 more purples, and several other unknown cd's. I surmise correctly that the one purple is a Tatum, and assume the other 2 are also. I email the pic link to buddy asking his opinion. He thinks the 3 upright purples are two CD145's and CD121. He also tells me 216's have been getting crazy prices on ebay. I mention selling one at Springfield within twenty minutes of setup.

Now the internal debate in my mind begins. The train auction and this auction both start at 10am. I'd even told the auctioneer I'd be at the train one. But the Mary Ann saga is always a possibility. What to do? \$200 worth of insulators? That I will have to pay ??? for. Finally deciding there will always be another train auction but insulators don't pop up that often. I opt to chase a possibility.

Saturday AM. Wife wishes me luck. Up and gone by 8:30. Desiring plenty of

time to walk thru everything in building. Up thru Lebanon where I catch every green light thru town. Nice, but then traffic is lite. At auction with plenty of time to spare. Parking lot was not close to being full. Hmmm. That would be nice to have minimal competition. Go and get my bidder number. Hmmm..... #106. I got a whole cabinet of those puppies. Omen? Off to wander the isles and tables. Lots of cool old stuff in this auction. Spot the wooden box holding the insulators. Front corner. Play it cool. Just wander down an isle until I get to it. Picking up stuff and looking at things all way along.



Get to box. Time stops. Moment of truth. I have to move some of insulators off top to get to what is underneath. A busted up CD125 and a pristine CD160 that is upside down. But it's a much newer piece. Stamped embossing. Nothing to see here. Now I can get to the purples. The first one is Tatum. Just as I thought from pic. Pick up one of the corner purples and... yikes, this is a signal. It took second to sink in. HGCO. Even better. Ease it back in corner and pick up the other one. Ditto. Another. Brain is doing flip flops. Both seem in decent condition. Take several deep breaths. Look past the clay wall tubes and I see the dark insulator. Mostly hidden in the original pic. Examine it. Sugar. Another signal. Sharp drips. Aqua/heavy amber/green. Minty looking. Bingo. Ease it back into box. Verify that the amber is indeed a 216. It looks in great shape. Look around me. Nobody gives a hoot. I move casually on around the corner and up the next isle. Leaving my brain back with box.



I walk all way thru stuff and go to corner. Text my buddy a one word string that I won't repeat here. Go outside and call him. We discuss what I have seen and fondled. Easy 1K worth of stuff in there depending on what shade you want to call the purples. Its now apparent that attendance will be light. 200 chairs easy are set up, but a quick count tells me there aren't 50 people here. I've been here when the place is packed with standing room only.

# THE OLD WOODEN BOX

(CONTINUED)

Now time drags. The auction can't start soon enough. I'm antsy. Legs are bouncing. Everybody is talking at one of front tables with 10 or so pottery jugs. Some of which went for over \$200. Text my wife to cross her toes for good luck. Finally.... auction starts. Each auction is different. Some start at table and go down it. Some are random. An item here, and item there. That's what this one is. There were 2 tables in front, then up 3 steps to a 'stage' area, where furniture was and more tables. One of which contained a wooden box. My fav auction sets up 2 tables in front. You want something to come up, bring it up there and they sell from those 2 tables until empty. Only requirement is a \$10 minimum bid. But I digress.... Today they are selling mostly from the 2 front tables with stuff from stage area mixed in. I wait. Impatiently. Old man on front left is bidding on everything. getting lots of stuff cheap. Must have a booth somewhere he is stocking is my bet. Anyway, after 45 minutes, it's time to act. The helper from the stage area comes by where I'm sitting to deliver to someone an item that they just won. I tap him on back and ask him to bring up the wooden box for bid. He says sure, goes back up and starts looking for it, wandering up and down isles. Now, mind you, the box was sitting right there next to where he had been standing for 45 minutes. If it was dog, could have bit him in butt. Literally. Its nice



that people can't read your mind. Especially at this point.

He finds the box, and 3 items later its bid time. Announced as a box lot of your fathers insulators. Whatever. Call it whatever you want. The Kid at the train show the week before where I set up with insulators thought they went on top of flag poles. The old man bids \$10. I bid \$20. That's it. Nobody else said a peep. 20 seconds later I can breathe again.

I get box from helper. I thank him profusely. I try to keep from grinning from ear/ear. I hold the box on my lap. Don't care how dirty the box might be. Blue jeans were made to be dirtied. I text my buddy so he knows the outcome. I go through the box again. Fondle them all. Hold some of them up to light to see colors. Say quick little prayer of thanks. Enjoy the adrenaline rush. Finally come back to earth.

No need to stay. What else could I buy that would match what I just bought? Check out. Smile all way to car. Let out a couple whoops.



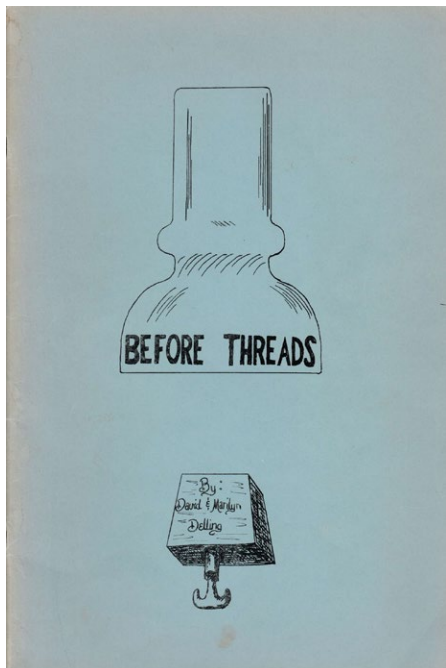
Get in car and call my buddy. Drive home with stop at antique store. Can't pass those up. Call another buddy from Indiana to let him know of transaction. Advises me to buy lottery tickets. Go into antique store and wander around. Did see a Hemingway sewing lamp for sale but had that one and didn't need another for my sales stock.

Get home and clue wife in on the morning's activities. Set all insulators out by the light box. Take pictures. Enjoy what I'm seeing. Thankful again that several events took place that led to today's acquiring of the old wooden box. 🐾



# THE NEW YORKER THREADLESS

BY MICHAEL TUCKER AND DARIO DIMARE



CLASS. NO.	HEIGHT in.	DIAM. in.	COLORS	LOCATION	EMBOSSING AND REMARKS
B-2	3 3/8	2 3/4	Aqua, various greens & blues	Wyoming Utah	Skirt front: MULFORD & BIDDLE Skirt rear: U.P.R.R. This is the commonest embossed threadless. 735
B-3	3 1/2	2 3/4	Aqua	Nebraska Wyoming	Skirt: CHESTER / N.Y. 735
B-4	3 1/2	2 3/4	Aqua & blue	Wyoming	Skirt front: CHESTER / N.Y. Skirt rear: SO EX CO 735
B-5	3 3/4 LARGER	2 7/8	Green-aqua	Utah Nevada	Skirt front: CHESTER / N.Y. Skirt rear: U.S. TEL. CO. 735.3
B-6	3 1/2	2 3/4	Aqua	Nevada	Dome: TILLOTSON & CO. (arc) Skirt: 16 BROADWAY (arc) / N.Y. 735
B-7	3 1/4	2 3/4	Emerald green	Mexico	Skirt: TELEGRAFICA DE JALISCO. COMP <sup>A</sup> This same insulator has been reported with embossing inside the skirt. 735
B-8	?	?	Blue	N.E.	Skirt front: MULFORD & BIDDLE Skirt rear: N.Y.C. Unable to get details on this one, somewhat speculative. 735

When I was a youngster of eight or nine (in the late 1960's) I remember perusing Dave Delling's book *Before Threads*, and seeing a listing for a small top-hat type threadless insulator. He had a classification chart on page 9 which described an unknown mystery insulator with a designation of B-8, (figure 1) apparently, he heard of its existence and was convinced enough to list it in his book. It was, presumably, a CD 735 (front Mulford & Biddle, rear N.Y.C.)

Fast forward to 2021, about five decades later, and there it is a long forgotten "New York" insulator.

I would like to give Dave Delling credit for having his information, essentially right after all these years! He was just a little off on a couple of details, which we will discuss. This was not a version of a Mulford and Biddle and the embossing is N.Y. instead of N.Y.C., otherwise his listing in his book is confirmed as accurate.

I would like to give credit also to Dario DiMare for his kindness, generosity, and willingness to share photos of this exclusive insulator. Hat's (threadless ones) off to you, Dario!

Currently, there is no listing in the price guide for this particular piece, but I foresee that will change.

Some may argue that this insulator is simply another 735 Tillotson variation, and it will probably be designated as such. I, for one, think it sits apart from the standard 735 Tillotson pack by virtue of some subtle and unique characteristics (a subcategory of 735).

From what I understand, this insulator will be included among the revisions of the next price guide.



THE CD 735 NY EMBOSSED ON FAR RIGHT





# THE NEW YORKER THREADLESS

(CONTINUED)

It is a CD 735 because of its morphology (shape), but it has some “hybrid” characteristics:

1. All known pieces are light aqua. (A low production number? A last run before retiring the mold? These are the things only die-hard insulator fanatics ponder!)
2. Higher and rounder dome (from the mold seam upward)
3. Bases are slightly rounded (unlike all other 735s)
4. Wire lip or ridge is of the CD 735 Tillotson type

5. Skirts are thicker than standard 735 Tillotson's  $\frac{3}{8}$  inch to  $\frac{1}{4}$  inch
6. No embossing or traces of embossing are seen on the domes. There is evidence (on some) of a blot out of the “16 Broadway” on the skirts; on some, the only thing visible is the NY.

As far as I know, the number of these rare pieces is probably under 10. I hope you have enjoyed this in-depth discussion as much as I have. 🍷

Bibliography: Before Threads, David & Marilyn Delling, self published, 1971



DOME COMPARISON (16 B'WAY BLOT-OUT) LEFT, CLASSIC TILLOTSON RIGHT



CLOSE UP OF (16 B'WAY BLOT OUT) DOME



THICKER SKIRT AND BASE (NON BLOT-OUT)



(16 B'WAY BLOT-OUT) SHOWING EMBOSSING



THE (16 B'WAY BLOT-OUT) MOST RESEMBLES THE CLASSIC CD735 TILLOTSON



THE NON-BLOT OUT VERSION APPEARS TO BE A DIFFERENT MOLD. THE WIRE CHANNEL IS SLIGHTLY WIDER AND THE SHOULDER SLOPE DROPS A LITTLE MORE QUICKLY THAN A NORMAL TILLOTSON



THE POINT AT THE TIP OF THE DOME, WHICH IS TYPICAL OF THE TOP AND CENTER OF THE INNER DOMES OF CLASSIC 735 TILLOTSONS, SEEMS TO BE ABSENT IN THE NEW YORKERS



16 B'WAY BLOT-OUT



BASE COMPARISONS: LEFT (16 B'WAY BLOT OUT). CENTER: CLASSIC OR REGULAR 735 TILLOTSON. RIGHT: (NON BLOT-OUT) NOTE ITS VERY THICK BASE. ALSO, BOTH NEW YORKER INSULATORS (RIGHT AND LEFT) HAVE ROUNDED BASES, WHEREAS THE CLASSIC 735 TILLOTSONS HAVE FLATTENED BASES

# LSIC CHRISTMAS SWAP

SHOW REPORT BY BOB MACHANN & BOB BERRY

On Saturday, December 11th, Bob & Carolyn Berry hosted the Lone Star Insulator Club Christmas swap. This has been an annual event in Texas for many years and it was good to see it return after missing 2020 due to Covid. Attendance was great with many of the club members attending. We had a couple of long distance travelers including Spencer Garten from Florida and Darryl Wagner from Missouri. There were many full tables of insulators and selling and trading were brisk. A full holiday lunch was served with Turkey and all the fixings—collectors brought wonderful side dishes and desserts—no one left hungry! The LSIC held its annual club meeting after the meal. Jeannie Dodds and Sean Fleming attended and sadly Sean passed away unexpectedly a few weeks later. He will be greatly missed by the Texas insulator community. We have lost so many long time collectors in the club with Sean and Jim Fielding being the most recent. On a happy note there are several new collectors joining the club with our youngest being Israel Jones. ▲



DARRYL WAGNER'S PURPLE CD 203 ZICMES.



BACKYARD SHOT – JUST GETTING STARTED.



JIM VAN NORSTRAND AND KEITH BROOKING ARE ADMIRING JOHN HALL'S INSULATORS.



BOB BERRY'S TABLE.



MIKE LYELL'S TABLE.



STEVE CLARK'S TABLE.



ACTIVITY AT JOHN WIGGINS' TABLE.

# LSIC CHRISTMAS SWAP

(CONTINUED)



CHRIS RENAUDO'S TABLE.



ACTIVITY AT JUDD MOODY'S TABLE.



ISRAEL JONES' TABLE.



DAN SPANTON'S INSULATORS.



INSULATORS LOOKING GREAT ON A COLD WINTER'S DAY.



WHEELING AND DEALING AT KATHY FIELDING'S TABLES.



JIM FIELDING'S "GEMS OF GLASS" T-SHIRT APPEARED AT THE SWAP.



FROM JACK ROACH'S TABLE.



FROM JUDD MOODY'S TABLE.



FROM ISRAEL JONES' TABLE.



COLOR SIGNALS



MILK AND AMBER.

## TREE INSULATORS

By Doug Rusher NIA1773

When you ask folks about tree insulators and they usually think of oak sidepins nailed to a tree with a glass insulator on it, which was pretty common in most all areas, But as the telegraph, phone or electric wire was tied tight to the insulator and the wind would move the tree, something had to give and usually the wire would break so the need arose for a special tree insulator that would allow the wire to move freely in any direction up and down and side by side, so here we have the Tree Insulators, specially made for Tree applications, like the Holmes, Brodie, Dunton Mounting System, G&A Twist Lock, the Hendee and the Slater Twist Lock from Canada, plus the Forest Service Insulators. Here's a excerpt from Lou Hall's outstanding tree insulator display at the Colorado Springs National: **In 1889, utility patent 403,491 was granted for a split octagon shaped forestry insulator called "The Victor." In 1890, the "Brodie" insulator was patented, which holds an insulator in a bracket and has a screw to attach to a tree. Ads from 1897 show a version of the Brodie insulator different from the patented version, with a bracket to hold the insulator, and a pivot on the lag screw to allow the angle to be set. In 1899, the "Holmes" tree insulator was patented. This was almost identical to the Brodie. The lag screw had no pivot, but instead let the insulator swing freely in the bracket. The insulator used for the Style B Holmes was the Victor insulator.**

**This undoubtedly worked better. Based on surviving examples, the Holmes version appears to have been quite a bit more popular. Ads for this insulator are known from the early 1900s, and it appears in catalogs up until the early 1920s. Other competing tree insulators, such as the Cutter, patented in 1904, and the Dunton patented in 1905 and shown in ads through 1914 at least, attest to the depth of the problem. The Holmes style of insulator probably went out of favor in the mid-1920s with the introduction of simpler and less expensive versions such as the Buckbee tree insulator, patented in 1907, the Hendee tree insulator and the twist lock (no tie) G & A tree insulator, the latter of which was patented in 1926.**

I want to give Credit to the fellow collectors who helped me with this article and reference Material that was supplied.

**Andrew Gibson** who supplied most of the fantastic photos for this article, and tons of information for this article.

**Lou Hall** who has spent countless hours of research and sharing his knowledge on different tree insulator companys.

**Elton Gish** for his outstanding resource website for finding information on Insulators.

**Chris Hedges** for his photos of the Pierce Tree Insulator.

**Barrett Nicpon** for photos and information on the Slater Insulator.

NIA.org for Insulator Reference Catalogs, Insulator Reference Material.

US Forestry Manager Manual 1937 on forest service communication lines.

# TREE INSULATORS (PART 1)

THE HOLMES TREE INSULATOR

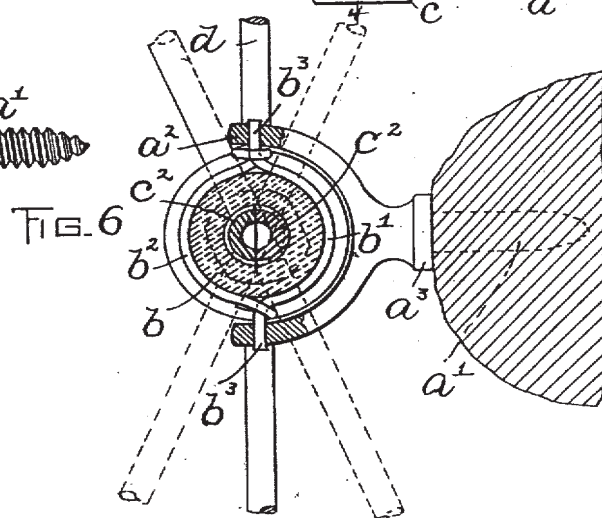
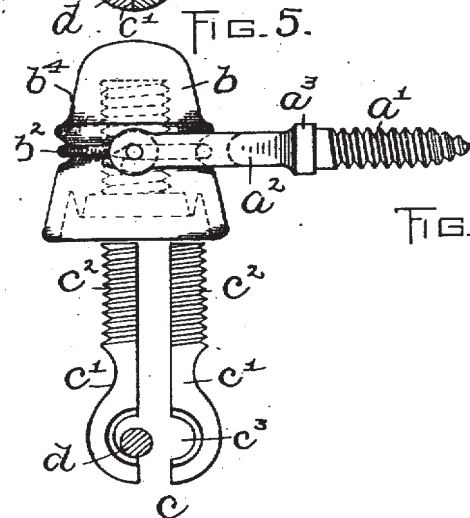
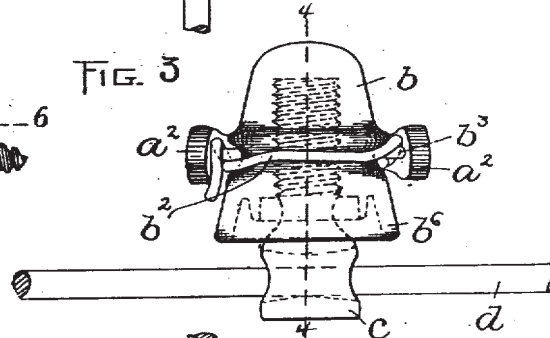
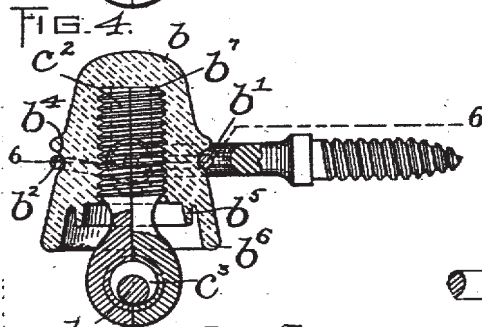
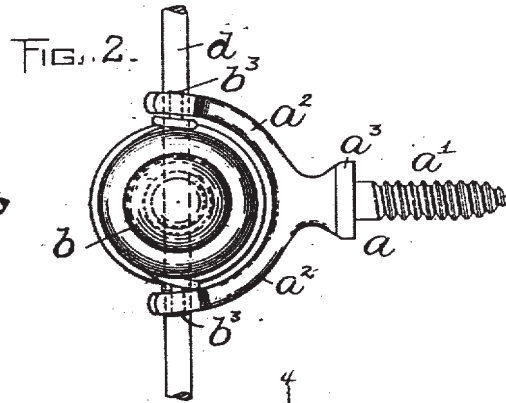
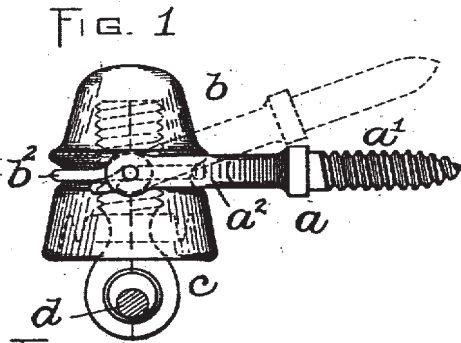
No. 626,065.

Patented May 30, 1899.

W. E. HOLMES.  
INSULATOR.

(Application filed Feb. 16, 1899.)

(No Model.)



WITNESSES:  
R. M. Peison  
A. S. Harrison

INVENTOR:  
W. E. Holmes.  
By Wright, Brown & Lundy



The Holmes Tree Insulator

Mr. Welles E. Holmes was issued Patent No. 626,065 on May 30, 1899. He stated in the patent text "I declare that what I claim is an insulator comprising a support having an attaching member on one end and forked arms on the other, a ring having trunnions journaled in said arms, an insulating spool mounted to rotate in said ring, and having a threaded socket, and a threaded conductor clamp formed of two members separable on longitudinal lines, and detachably inserted in said socket."

An Ohio Brass Company catalog states that the insulation is supplied by a double petticoat glass insulator which pivots in a malleable iron holder. This arrangement permits the glass insulator to always set in an upright position regardless of the slant of the limb or tree to which it is attached by the threaded end of the holder. The casting in which the line wire is directly secured is made in halves, with the upper end threaded. These clamp together and over the wire by screwing them into the glass insulator.

The line wire portion of the device was made in several different configurations. Most catalogs list the insulator with a Style A or Style B option.

# TREE INSULATORS (PART 1)

## THE HOLMES TREE INSULATOR

### UNITED STATES PATENT OFFICE.

WELLES E. HOLMES, OF NEWTON, MASSACHUSETTS.

#### INSULATOR.

SPECIFICATION forming part of Letters Patent No. 626,065, dated May 30, 1899.

Application filed February 16, 1899. Serial No. 705,637. (No model.)

To all whom it may concern:

Be it known that I, WELLES E. HOLMES, of Newton, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Insulators, of which the following is a specification.

This invention has relation to insulators for conductors, such as electric-light, telephone, or telegraph wires; and it has for its object to provide a device of the character mentioned particularly applicable for suspending or supporting the conductors from trees or other objects that are liable to move or sway. When the wires are strung near the branches of trees, the swinging of the latter frequently causes them to rub against the wires and abrade the insulating material thereon. This may be prevented in a certain degree by mechanically connecting the wires to the limbs by insulators; but heretofore this has been impracticable, first, by reason of the difficulty of attaching the wires which have been already strung to the insulators, and, second, because the rigid attachment of the wires to the limbs rendered them unsafe and liable to be broken when the trees were swayed about by storms and high winds.

The present invention provides an insulator which may be secured to the limb or branch of a tree to move therewith when tossed or swayed by the wind, which is formed for attachment to a wire already strung and which has provisions for permitting the wire to move relatively thereto without injury to the wire or the insulating material thereon.

The present invention further provides an insulator in which the parts are capable of movement in various directions, all as illustrated upon the drawings and now to be described in detail.

Reference is to be had to the accompanying drawings, and to the letters marked thereon, forming a part of this specification, the same letters designating the same parts or features, as the case may be, wherever they occur.

Of the drawings, Figure 1 represents in side elevation an insulator embodying my invention. Fig. 2 represents a plan view of the same. Fig. 3 represents a front elevation of the insulator. Fig. 4 represents a vertical section therethrough on the line 4 4 of Fig. 3. Fig. 5 represents the clamping members de-

tached from the insulating-spool for the purpose of clamping the wire therein. Fig. 6 represents a horizontal section on the line G G of Fig. 4.

Referring to the drawings, it will be seen that the insulator consists, mainly, of three parts, the metallic support *a*, the insulating-spool *b*, and the clamp *c*. The support is provided with a screw *a'*, which may be driven into the limb of a tree or into a pole. The other end of the support is bifurcated to provide two arms *a''*, which form a semicircle, as shown in Fig. 2, and between the arms *a''* and the screw is a shoulder *a'''*, which forms a head for the latter. Trunnions in apertures in the ends of the arms *a''* is a ring formed in two parts *b'* *b''*, of which the part *b'* is in the form of a semicircle and has its ends *b''* projected radially to form the trunnions. The other half *b''* of the ring is secured in place by bending its ends around trunnions, so as to loosely clasp the spool between it and the portion *b'* of the ring. The part *b'* of the ring is secured in the support when the insulator is ready for use, and after the support has been driven into place by the lineman the spool is clamped to the part *b'* by the other half *b''*, which, as will be seen from the drawings, may be a strip of wire.

The spool *b*, which is constructed of any suitable insulating material, such as porcelain or glass, is provided with a groove *b'* to receive the ring, and it is substantially frustoconical, with the top rounded. Its lower portion is formed with the usual skirts *b''* *b'''*, and it is provided with a threaded socket *b''* for the clamp.

The metallic clamp *c* is formed in two portions *c'* *c'*, which are separable on longitudinal lines, as shown in Fig. 5. At one end the clamp is threaded, as at *c''*, to be screwed into the socket *b''* of the spool, and at its other end it is formed with an aperture *c'''* greater in diameter than the conductor *d* to permit the latter to play therein.

Inasmuch as the insulator, as previously stated, is to be used for wires or conductors that have been already strung, it is evident that the parts must be so related that the clamps can be attached to the conductor and then inserted in the spool. This is accomplished by forming the clamp in two separate



# TREE INSULATORS (PART 1)

## THE HOLMES TREE INSULATOR

2

626,065

portions and mounting the spool rotatably in the support, for it is obvious that the clamp cannot be rotated after it has been engaged with the wire.

5 To secure the parts together, the support is first screwed or driven into place, and the spool is attached thereto by winding the ends of the wire  $b^2$  around the trunnions  $b^3$ . Then the two members of the clamp are clasped about the conductor, as shown in Fig. 4, and their ends are inserted in the socket  $b^4$ , after which the clamp is held stationary and the spool is rotated, so as to draw the threaded portion of the clamp into the socket  $b^4$ .

15 By reason of the large diameter of the aperture  $c^3$ , formed in the lower end of the clamp, the conductor is free to move longitudinally therethrough, or the insulator may be moved relatively to the wire without much danger of abrading the insulation therein. Even should the insulation be stripped from the conductor there is no danger of the current being short-circuited, since the clamp is thoroughly insulated by the spool  $b$  from the support  $a$ .

25 The support may be set at practically any angle to the longitudinal axis of the spool, as shown in dotted lines in Fig. 1, whereby it may be driven into any accessible place in the limb of a tree or elsewhere.

30 The trunnions permit the spool to rock about an axis at an angle to its longitudinal axis of rotation when the limbs of the trees are swayed by the wind, and by mounting the spool so as to turn in the trunnioning-ring it may be swung, as shown in dotted lines in Fig. 6, to accommodate a wire running in any direction relatively to the axis of the trunnions.

40 I do not wish to be understood as limiting myself to any of the details of construction of the parts above described, since it is evident to those skilled in the art to which this invention relates that the spool and the support may be varied in shape to suit any particular requirements and that the clamp may be attached to the spool by means other than the threaded connection.

50 Having thus explained the nature of the invention and described a way of constructing and using the same, although without attempting to set forth all of the forms in which it may be made or all of the modes of its use, I declare that what I claim is--

55 1. An insulator comprising a clamp adapted to loosely engage a conductor, a spool of insulating material having a socket to detachably receive said clamp, and a support for said spool.

60 2. An insulator comprising a support, an insulating-spool, connections between said support and said spool whereby the latter is rotatable about two intersecting axes, and a

clamp for the conductor, said spool being rotatable relatively to said conductor.

65 3. An insulator comprising an insulating-spool, a support for said spool having a forked end, and a ring trunnioned in said forked end, said spool being rotatable in said ring.

70 4. An insulator comprising an insulating-spool adapted to support a conductor, a support for said spool, and a ring trunnioned in said support, and in which said spool is rotatable; said ring being formed in two separable parts connected together.

75 5. An insulator comprising an insulating-spool, a support, and trunnions for pivotally connecting said spool to said support, said spool being rotatable about an axis intersecting the axis of the trunnions.

80 6. An insulator comprising a support, an insulating-spool carried by said support, and a clamp consisting of non-rotary clamping-jaws mounted in the spool to engage the conductor, said parts being connected whereby said clamp is rotatable about either of two intersecting axes.

85 7. An insulator comprising a bifurcated support, a ring having trunnions journaled in the bifurcated end of said support, an insulating-spool rotatably mounted in said ring, and a conductor-clamp having a threaded connection with said spool.

90 8. An insulator comprising a support, an insulating-spool rotatably mounted in said support and having a threaded socket, and a threaded conductor-clamp detachably secured in said socket.

95 9. An insulator comprising a support, an insulating-spool rotatably mounted in said support and having a threaded socket, and a threaded conductor-clamp detachably secured in said socket, said clamp being formed in two separable portions.

100 10. An insulator comprising a support having an attaching member on one end and forked arms on the other, a spool rotatably secured in said arms, and having a threaded socket located concentrically with its axis of rotation, and a threaded clamp detachably inserted in said socket.

105 11. An insulator comprising a support having an attaching member on one end and forked arms on the other, a ring having trunnions journaled in said arms, an insulating-spool mounted to rotate in said ring, and having a threaded socket, and a threaded conductor-clamp formed of two members separable on longitudinal lines, and detachably inserted in said socket.

120 In testimony whereof I have affixed my signature in presence of two witnesses.

WELLES: E. HOLMES.

Witnesses:

A. D. HARRISON,

M. B. MAY.



### TREE INSULATORS

Prevent Leakage, Short Circuits, and Tree Grounds

Made of Malleable Iron with double petticoat insulator and Porcelain bushing. Always in upright position regardless of slant of tree.

Style A takes wire up to No. 00  
Style B takes wires up to and including No. 0000

**HIGH TENSION ELECTRICAL SPECIALTY CO.**  
NEWTON, MASS.

### Tree Insulators

Prevent leakage, short circuits and tree grounds

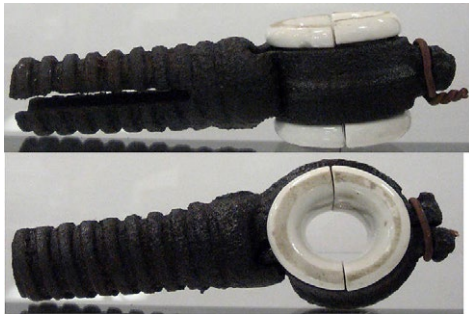
Made of Malleable Iron with double petticoat insulator and porcelain bushing. Always in upright position regardless of slant of tree.

Style A takes wire up to No. 00  
Style B takes wires up to and including No. 0000

**High Tension Electrical Specialty Co.**  
NEWTON, MASS.

# TREE INSULATORS (PART 1)

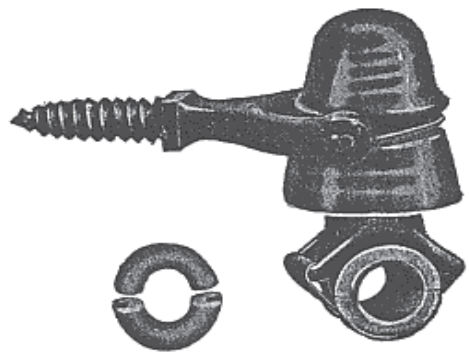
## THE HOLMES TREE INSULATOR



Style A2



Style A3



Style A

Style A3



Style B

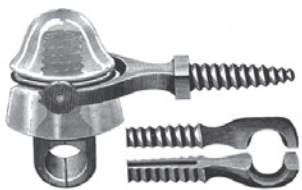


Style B

PETTINGELL ANDREWS COMPANY, BOSTON.

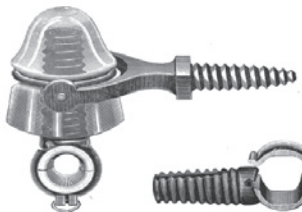
21

### HOLMES TREE INSULATORS.



No. 6321.

Code Word.	List No.	List Price Each.
<i>Obverse</i>	6321	For wire up to 4/0, weather-proof..... \$0.50
<i>Oily</i>	6322	For 500,000 c. m. cable..... .60



No. 6290.

**Improved Style, with Porcelain Insulator.**

Code Word.	List No.	List Price Each.
<i>Olivene</i>	6299	For wire up to 2/0, weather-proof..... \$0.56



No. 107.

**SIMPLEX TREE INSULATOR.**

Code Word.	List No.	List Price Each.
<i>Islet</i>	107	Tree insulator..... \$0.40



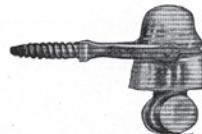
No. 128.

**INSULATED PULL-OFF.**

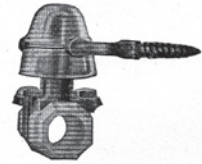
Code Word.	List No.	List Price Each.
<i>Journal</i>	128	Complete..... \$0.40



Hawken Tree Insulator.



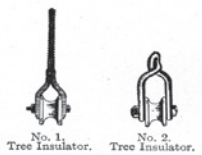
Holmes, Style A.



Holmes, Style B.



Kirby Tree Insulator.



No. 1. Tree Insulator. No. 2. Tree Insulator.



Wheeler Tree Insulator, No. 649.

No.	Size	Weight	Wire	Per 100.
1006.	Size 1/4 x 12 in. long.	6 oz.	No. 6 wire	\$19.00
1007.	Size 1/4 x 18 in. long.	8 oz.	No. 6 wire	22.50
1008.	Size 1/4 x 13 1/2 in. long.	0 wire	weight, each, 9 oz.	21.00
1009.	Size 1/4 x 18 in. long.	0 wire	weight, each, 10 oz.	24.00
1010.	Size 1/4 x 13 1/2 in. long.	0000 wire	weight, each, 11 oz.	22.50
1011.	Size 1/4 x 18 in. long.	0000 wire	weight, each, 15 oz.	33.00
1012.	Size 1 1/4 x 13 1/2 in. long.	500,000 cm.	weight, each, 13 1/2 oz.	49.00
1013.	Size 1 1/4 x 18 in. long.	500,000 cm.	weight, each, 16 oz.	52.50

**Holmes Tree Insulators.**  
Made of malleable iron and furnished with double petticoat glass insulator. Always in an upright position regardless of the slant of tree. Current cannot leak even if wire is bare.

Can be quickly applied to tree without cutting the wire. Style A will take wire up to and including No. 0. Style A. Holmes tree insulator, 1/2-in. hole..... \$ .56  
" B. " " " 1 " " " " .90

**Kirby Tree Insulators.**  
Made of specially treated wood with two split-porcelain end frames which serve as supports for the guard rods. The insulator being of the squirrel cage type affords great protection to the line conductor against contact with limbs, poles, etc..... each, \$ .60 (see also Bolts, insulators).

**Lag Screw and Loop Tree Insulators.**  
(see also Bolts, insulators).  
Malleable iron with porcelain insulation. The Style P (Standard No. 25), porcelain is most commonly used.  
No. 1. Lag screw tree insulator..... each, \$ .40  
" 2. Loop tree insulator..... " .30

**Wheeler Tree Insulator.**  
Malleable iron casting enclosing a Victor split insulator. Suitable for No. 0 or smaller wire.  
No. 649. Complete insulator..... each, \$ .18  
" 649 1/2. Iron part only..... " .12  
For extra porcelain insulators see "Insulators, porcelain."

**INSULATORS, Wire Rope (see Insulators, rope). INSULLAC.**

**No. 5 Insullac.**  
This is a rapid-drying, transparent, insulating varnish with high non-conductive qualities. Insullac is used with excellent results by many of the larger manufacturers of electrical apparatus, and may be used for cementing mica or mica and paper. When so applied the solvent should be forced out under hydraulic pressure, between plates upon which 40 to 60 pounds steam is applied, and allowed to remain for 48 hours. This insulating material must not be thinned with anything but insullac thinner. Insullac can be furnished in any desired color. When no color is specified, orange will be furnished.  
This material is used particularly to oil proof transformer coils, and is rendered black for this purpose by a specially selected colored matter.  
In 1-, 2-, 5-, or 10-gallon cans..... per gal., \$1.85  
In barrels.....



# TREE INSULATORS (PART 1)

## THE HOLMES TREE INSULATOR



The photo is from the Nathaniel Hawthorne house in Mass, taken in 1906. When you blow this up, it sure looks like a Holmes, Andrew and I can't help but figure that piece holding the wire as anything other than style A1



Style A1

Style designations -- A and B refer to wire sizes that the insulator is intended to hold. Style A is for smaller wires, Style B for larger. Style B is the one with the large hexagonal donut. Style A is the one with the smaller, round donut. Style A comes in three styles -- A1 is the original with a split pin, A2 is the gen 2 version with a little hinge that secures the donut in place, fastened with a wire, and A3 is the last version where a flat metal strap holds the donut in place. No examples of the A1 have ever been found. Also note that split pin version like this was actually advertised for 2 sizes of wire, but the ads have only ever shown 1 size. We don't really know what the large size split pin looked like, but in theory it might exist. Note that Styles A and B are what the ads designated them as. "The 1-3 is added to the A to distinguish the different generations of this style"

# TREE INSULATORS (PART 1)

## U-187 PIERCE TREE INSULATOR

UNITED STATES PATENT OFFICE

ALFRED L. PIERCE, OF WALLINGFORD, CONNECTICUT, ASSIGNOR OF ONE-HALF TO SPALDING K. LONG,  
OF NEW YORK, N.Y.  
TREE-INSULATOR.

No. 971,785

Specification of Letters Patent.

Patented Oct. 4, 1910.

Application filed April 21, 1910 Serial No. 556,825.

To all whom it may concern:

Be it known that I, ALFRED L. PIERCE, a citizen of the United States, residing at Wallingford, in the county of New Haven and State of Connecticut, have invented a new and useful Tree-Insulator, of which the following is a specification.

The device forming the subject matter of this application, is an insulator, adapted to be mounted upon trees, and like objects, having a limited movement, the insulator being so constructed that a wire may readily be inserted thereinto.

Another object of the invention is to provide an insulator of this type, in which the wires may move freely, without chafing or injuring the wires.

Another object of the invention is to provide a novel means for securing together, the two constituent portions of the insulator, and to prevent them from sliding upon each other.

Various changes, properly falling within the scope of what is claimed, may be made without departing from the spirit of the invention.

In the drawings, Figure 1 shows the insulator in side elevation; Fig. 2 is a vertical longitudinal section upon the line A-B of Fig. 1; Fig. 3 is a vertical longitudinal section upon the line C-D of Fig. 2; Fig. 4 is a top plan of the base of the insulator; Fig. 5 is a bottom plan of the cap of the insulator; Fig. 6 is a side elevation of a modification; Fig. T is a longitudinal section upon the line E-F of Fig. 6; Fig. 8 is a longitudinal section upon the line C-H of Fig. 7; Fig. 9 is a top plan of the base of the insulator delineated in Fig. 6; and Fig. 10 is a bottom plan of the cap used in connection with the form of base which is shown in Fig. 9.

In the form shown in Fig. 1 of the drawings, the base 1 of the insulator is circular in cross section throughout its entire length and in the bottom of the base 1 there is the usual threaded opening 2 for the reception of a supporting pin, the side walls of the base 1 being carried downwardly to form a hood 3. An opening 4 extends entirely through the base, the opening being carried upwardly to intersect the upper face of the base, thus forming a groove in the upper face of the base. Longitudinally, the lower surface of the opening 4 convexes upwardly, as denoted by the numeral 5. Transversely, the opening 4 concaves downwardly, as denoted by the numeral 6; the bottom of the opening 4 thus consisting of an anticlastic surface, resembling the surface of a saddle. The upper portions 7 of the side walls of the opening 4 flare as they extend upwardly, and are set back slightly, thereby forming shoulders 8 in the side walls of the opening 4. As seen to best advantage in Fig. 2, the upper edges of these shoulders 8 converge at 9 as they extend upwardly, to form an apex 10 in the side walls 4 of the opening through the insulator. These apices 10 are thinned, as shown at 11. The upper portions 7 of the side walls of the opening 4 are double-convex, as seen at 12.

A cap 14 is provided, adapted to fit upon the top of the base 1, the cap 14 overhanging the upper end of the base, as seen at 15. Along the longitudinal center of the cap 14 there is a depending tongue 16, adapted to fit in the opening 4 of the base 1. The exterior side walls 17 of the tongue 16 are double-concaved, as shown at 18, to fit the double convexity 12 of the side walls of the opening 4 in the base 1. As denoted by the numeral 19, the tongue is notched transversely, so as to fit down upon the shoulder 8 and to engage the apex 10 defined in the side wall of the opening 4. There is an opening in the bottom of the tongue 16, extended longitudinally of the same. Longitudinally of the tongue, this opening concaves downwardly, while transversely of the tongue, the opening convexes upwardly, the downward concavity being denoted by the numeral 20, and the upward convexity by the numeral 21. Thus, in the lower face of the tongue 16, and anti-elastic surface is provided, which, cooperating with the anti-elastic surface defined by the bottom of the opening 4 in the base 1, serves to fashion an opening extended entirely through the insulator, which said opening is of least diameter at the center of the insulator, the opening flaring as it extends toward the side walls of the insulator. It will be seen that the curvature denoted by the numeral 21, together with the fact that the tongue is transversely notched as denoted by the numeral 19, results in the formation of four fingers 22, located in pairs, at opposite ends of the tongue 16.

The upper end of the base 1 is provided with a circumscribing groove 23, the groove 23 being continued across the end faces of the tongue 16, as shown at 24. These grooves 23 and 24 are adapted to receive a band of wire 25 or the like, the ends of which are twisted together as shown at 26, thus securing the cap 14 in place upon the base 1. The base 1, in its upper portion, is provided with aligned openings 27, and in the tongue 16 there is a corresponding opening 28. These openings 27 and 28 are adapted to receive a cotter pin 29, and through the eye 30 of the cotter pin, the wire band 25 may be extended, the extremities of the cotter pin being bent outwardly, and engaged by the wire 25, as shown at 31.

In Fig. 6 of the drawings, a slight modification of the invention is shown. The upper portion of the base 32 is oval in cross section, while the lower portion of the base remains circular in cross section. The opening 33 in the base 32 is convexed upwardly in the direction of its length, as seen at 34, the opening being concaved downwardly, transversely, as shown at 35, and thus the bottom of the opening 33 is made to define the anti-elastic surface hereinbefore mentioned in connection with the form of the invention shown in Fig. 1. The side walls 36 of the opening 33 flare as they extend upwardly, and in these side walls 36 there are double-convexed grooves 37 extending longitudinally of the base 32. The cap 38 bears a tongue 39 adapted to fit in the opening 33 and upon the remote side faces of the tongue 39 there are double-convexed ribs 40 adapted to fit in the grooves 37. As shown, the ribs 40 terminate at their lower ends in fingers 43. The side walls of the tongue 39 of the cap are inclined as shown at 41, to fit against the side walls 36 of the opening 33 in the base 32. The lower surface of the tongue 39 is downwardly concaved longitudinally of the tongue as seen at 44, and upwardly convexed transversely of the tongue, as denoted by the numeral 42, thus

# TREE INSULATORS (PART 1)

## U-187 PIERCE TREE INSULATOR

defining an anti-elastic surface in the lower face of the tongue, which, cooperating with the anti-elastic surface in the bottom of the opening 33, serves to provide an opening extended entirely through the insulator, which said opening is of least diameter adjacent the center of the insulator, the opening flaring as it approaches the side walls of the insulator. By reason of the peculiar contour given to the opening through the insulator, the wire which is to be mounted in the insulator may slide freely to and fro in the insulator without chafing or injuring the wire. The cooperation between the faces 12 and 17 of the form shown in Figs. 1 and 5, prevents the cap 14 from sliding longitudinally of the opening 4, while the cooperation between the elements 37 and 40, in the form shown in Figs. 10 and 9, likewise prevent the cap 38 from sliding longitudinally in the opening 33.

It will be seen that by removing the cap, a wire may readily be dropped into the openings 4 and 33, whereupon the cap may be mounted upon the base and secured by means of the cotter pin 29 and the wire 25. It is of course obvious that either the cotter pin 29 or the wire 25 may be used alone, the two being used together only when an unusually secure joint is required.

When a light wire is mounted in the insulator, the form shown in Fig. 6 may be used to advantage. When, however, a heavier wire is used the form shown in Fig. 1 will prove more satisfactory for the reason that a larger bearing surface for the wire is provided the base of the insulator in the form shown in Fig. 1, being circular in cross section adjacent its top, instead of oval the latter construction being carried out in the form shown in Fig. 6.

Having thus described the invention, what is claimed is:--

1. An insulator comprising a base having an opening in its top; and a cap to cover the base the cap having a tongue to register in the opening, there being a continuous groove about the base and across the tongue, for the reception of a securing band.
2. An insulator comprising a base having an opening in its top and a cap to fit upon the base, the cap having a depending tongue to fit in the opening; the base and the tongue having aligning transverse openings for the reception of a securing pin.
3. An insulator comprising a base having an opening in its top; and a cap to cover the base, the cap having a tongue to register in the opening, there being a continuous groove about the base and across the tongue, for the reception of a securing band; there being in the tongue and in the base, aligning transverse openings terminating in the groove, and adapted to receive a securing pin.
4. An insulator comprising a base having an opening extended entirely across its top; a cap to fit upon the base and provided with a tongue to register in the opening, the tongue and the base being provided with integrally formed, interengaging elements, permitting the cap to be freely lifted from the base, but preventing the cap and the base from having relative transverse movement.
5. An insulator comprising a base having An opening extended entirely across the top; a cap to fit upon the base and provided with a tongue to register in the opening, there being shoulders in the base, in the side wall of the opening, converging to an apex, and the tongue being provided in its side wall with fingers to straddle the apex.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ALFRED L. PIERCE.

Witnesses:

ERNEST L. AVERILL,

HARRY E. DICKERMAN.

**Pierce Tree Insulators**

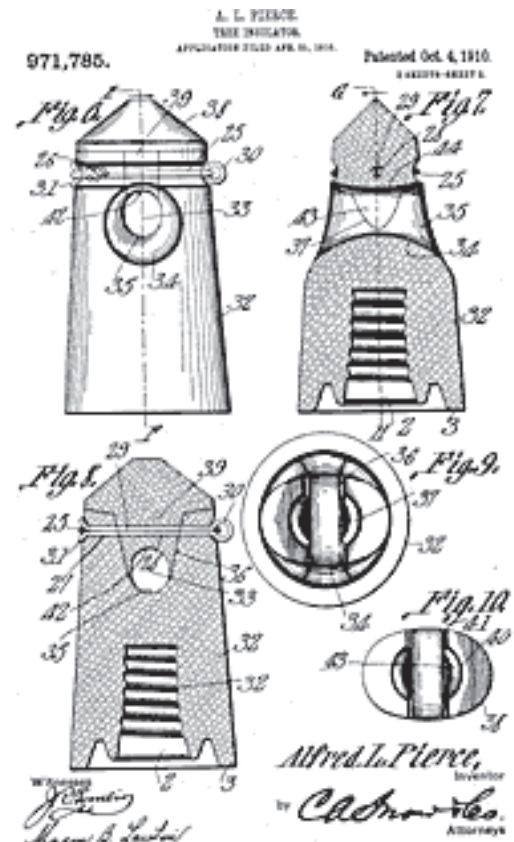
The Pierce Tree Insulator has many advantages, chief among which is the high insulation which insures safe installation of wires carrying high voltages. The wire is entirely enclosed by a glazed porcelain surface without parallel joints, that would wear or injure the wire or insulator.

The insulator is of rugged design, consists of two parts, can be used on any standard bracket, pin or support that any ordinary glass insulator can be used with. The weight of the wire is supported in direct line with and by the pin or bracket.

Holds the wire firmly in position away from the tree, allowing the wire to move freely through the aperture.

Has a double petticoat, presenting a dry high resistance surface to leakage. Force of gravity holds parts in position top being firmly secured by one annealed copper tie wire.

Price ..... each \$ .70



Embossed PAT 10 4 10



# TREE INSULATORS (PART 1)

## G&A AND THE HENDEE TREE INSULATORS

Aug. 10, 1926. 1,595,653

T. E. GAMMON ET AL TREE INSULATOR Filed Nov. 19, 1924 WITNESSES J I uvvgrons ATTORNEY.

. 12 at its head end providin Patented Aug. 10, 1926.

' UNITED STATES.

AND HENRY D. AVERILL, F HAVERHILL, MASSACHUSETTS,

THOMAS E. GAMKON PATENT OFFICE.

ASSIGNNOBB OF ONE-HALF TO LINE MATERIAL COMPANY, OF SOUTH MILWAUKEE, WISCONSIN, A COR-  
PORATION-OF WISCONSIN.

TREE INSULATOR.

Application filed November 19, 1924. Serial 1T0. 750,797.

The invention relates to insulators and has for an object to provide an insulator for supporting a line wire out of contact with trees or other obstructions in its path.

Another object of the invention is to provide an insulator in which the insulator body may be secured to a base member in more than one position, and is detachable therefrom to afford facility in installation.

The invention further consists in the several features hereinafter set forth and more particularly defined by claims at the conclusion hereof.

In the accompanying drawings: Fig. 1 is an elevation of an insulator embodying the invention secured to a support in one of its mounting positions;

Fig. 2 is an elevation of the insulator in another of its mounting positions;

Fig. 3 is a side elevation of the insulator in the assembly shown in Fig. 1, parts being broken away and parts being shown in section; and

Fig. 4 is a top view of the insulator.

In these drawings 10 indicates an insulator body and 11 a base member to which it is secured.

The insulator body is preferably square in cross section and has spaced projections extending slot 13 between them. The projections are preferably in the form of hooks extending in opposite directions and have their inner faces from the body of the insulator to form passages 14. A central

wire-receiving passage 15 is also formed in the insulator body and extends transversely of the insulator body preferably at right angles to the slot 13 and the hook 12.

A reduced flat-sided shank 16 extends from the other end of the insulator body, which is preferably the shank to reduce age losses, as shown in Fig. 3. Opposite sides of the outer portion of the shank are still used further reduced from shoulders 17, and an opening 18 extends transversely of the shank the reduced shoulder-forming sides. The base member 11 has a threaded

thread at way member 19 carried otherwise firmly secured to one end to prevent rotation. The projecting portion of the attached transversely to bring the wire through the coated adjacent member held to other and may be assembled in member is in the form of a lag screw or bolt, a lag screw being used when attaching the base member to wood and a bolt when attaching it to a metal support.

The other end of the base member is provided with a pair of flat-sided resilient projections 20, forming a fork engaging the shank of the insulator body and having aligned openings 21 to register with the opening 18 for the reception of a bolt 22 receiving a nut 23 for clamping the fork on the shank.

When conditions make it desirable to use the assembly shown in Fig. 1, in which the insulator body and base member are aligned, the flat end edges 24 of the projections 20 abut against the shoulders 17 to prevent swinging of the insulator about the bolt, and in the assembly shown in Fig. 2, in which the insulator body and base member are at right angles, the flat side edges 25 of the projections perform a similar function.

The base member is screwed into a tree or other obstruction from which it is desired to space the line wire 26, the slot 19 of the insulator being preferably parallel with the wire when the assembly of Fig. 1 is used. The wire is then pushed into the slot and the insulator given a quarter turn the passages 14 into the passage 15 where it is held against removal.

When using the assembly of Fig. 2, the line wire is turned into place on the insulator body, or the insulator body is removed from the base member for placement on the line wire, and is then replaced on the base member, which has been previously screwed into it at some convenient place.

The device is particularly useful in guiding a free span of wire through the branches of trees, the insulator being readily secured to the branches to hold the wire out of contact therewith and being attachable before or after the wire has been strung. The insulator body and base member are rigidly joined in either of two positions which makes it possible to provide either vertical or horizontal mounting of the base member while retaining the insulator body in the same position, and to vary the spacing of the wire from the support.

While the insulator body is preferably formed of porcelain, it will be understood that it may be of moulded plastic insulating material.

What we claim as new and desire to secure by Letters Patent is:

1. An insulator for spacing line wires away from adjacent objects comprising a block of insulating material having a wire-engaging head and a reduced integral flat-sided shank provided with shoulders at opposite sides, an attaching member having a threaded projection at one end to enter a support and a parallel-sided fork at the other end engaging opposite sides of said shank, and a retaining member passing through said shank portion and fork for holding said block on said attaching member with portions of said fork abutting against said shoulders to prevent relative movement of said block and attaching member.

2. An insulator for spacing line wires away from adjacent objects comprising a block of insulating material having spaced projections at one end to hold the wire when the insulator and wire have been turned with respect to each other and provided with a reduced integral shank at the other end affording shoulders, an attaching member having a threaded projection at one end to enter a support and a pair of spaced projections at the other end for engaging opposite sides of said shank, and means for holding said block on said attaching member with portions of said spaced projections abutting against said shoulders to prevent movement of said insulator block on said attaching member.

3. An insulator for spacing line wires away from adjacent objects comprising a block of insulating material having a wire retaining portion and an integral flat-sided shank portion with oppositely disposed shoulders, an attaching member having a threaded projection at one end to enter a support and a pair of spaced projections at the other end for engaging opposite sides of said shank spaced projections abutting against said shoulders, and a retaining member passing through said shank portion and said spaced projections for holding said insulator body to said attaching member.

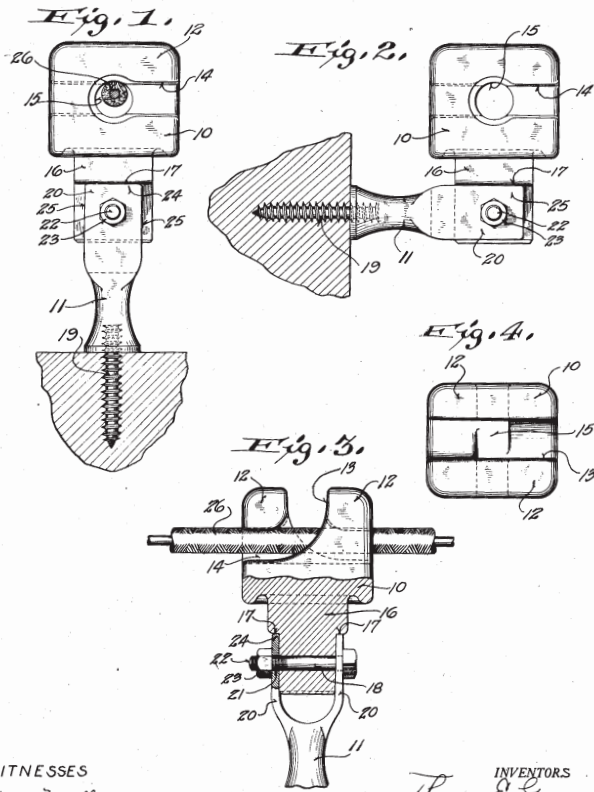
An insulator for spacing line wires away from adjacent objects comprising a block of insulating material having a wire retaining portion and an integral flat-sided shank portion with shoulders on opposite sides thereof, an attaching member having a threaded projection at one end to enter a support and a pair of spaced projections at the other end for engaging the opposite shouldered sides of said shank portion, and a retaining member passing through said shank portion and said spaced projections for holding said insulator body to said attaching member, the edges of said spaced projections cooperating with said shoulders to retain said insulator block on said attaching member in different angular positions. In testimony whereof, we affix our signatures.

THOMAS E. GAMMON. HENRY D. AVERILL.

# TREE INSULATORS (PART 1)

G&A AND THE HENDEE TREE INSULATORS

Filed Nov. 19, 1924



WITNESSES

*George Mueller*

*W. E. Downey*

INVENTORS

*Thomas E. Gammon*  
*Henry D. Averill*  
*W. E. Downey*  
 ATTORNEY.



## The G & A Tree Insulator

Patent No. 1,595,653 was issued August 10, 1926 to Thomas E. Gammon and Henry D. Averill of Haverhill, Massachusetts. They assigned one half of the patent rights to Line Material Company, of South Milwaukee, Wisconsin.

The G & A tree insulator was designed to be used anywhere along the line without cutting the wire or "tying it." Where lines have sagged so that they touch the tree or where any other obstacle has been brought against the line; the practical features of this insulator are immediately apparent.

It consists of a husky piece of brown glazed porcelain securely fastened in the support by means of a galvanized bolt. The support is a heavily galvanized "Y" so designed that insulator may be used in a straight-out or up-right position as shown in the illustration.

To install the straight-out type simply screw into the tree until flush, then press the wire into the horizontal end groove, give the "Y" a half turn to the left and the wire will be held so that it cannot shake out. To install in an up-right position, remove the bolt which holds the insulator and screw the "Y" into the tree. Place the insulator over the wire and give it a half turn, replace it into the "Y" and insert the bolt.

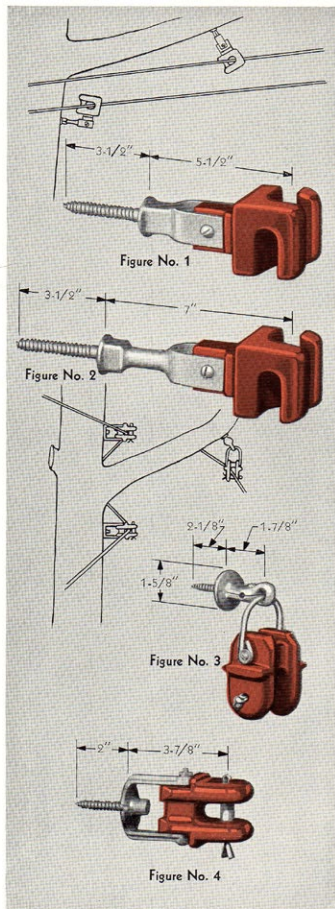
The porcelain is without a sharp corner. This has been given careful attention, because by making all edges with a large radius, possibility of cutting wire has been eliminated and friction greatly reduced.



# TREE INSULATORS (PART 1)

## G&A AND THE HENDEE TREE INSULATORS

### G & A and Hendee Tree Insulators



The G and A tree insulator was designed to be used anywhere along the line without cutting the wire or "tying it". Where lines have sagged so that they touch the tree or where any other obstacle has been brought against the line; the practical features of this insulator are immediately apparent.

It consists of a husky piece of brown glazed porcelain securely fastened in the support by means of a galvanized bolt. The support is a heavily galvanized "Y" so designed that the insulator may be used in a straight-out or up-right position, as shown in the above illustration.

The galvanized malleable "Y" has a galvanized  $\frac{3}{8} \times \frac{3}{8}$  inch lag screw securely cast into the base which is  $1\frac{1}{2}$  inch in diameter, giving a large bearing surface on the trunk of the tree. The "Y" is made in two extensions, the shorter measuring  $5\frac{1}{2}$  inches from base to groove and the larger measuring 7 inches from base to groove. The square shoulder affords a simple means for turning the "Y" up tight.

To install the straight-up type simply screw into the tree until flush, then press the wire into the horizontal end groove, give the "Y" a half turn to the right and the wire will be held so that it cannot shake out. To install in an up-right position, remove the bolt which holds the insulator and screw the "Y" into the tree. Place the insulator over the wire and give it a half turn, replace it into the "Y" and insert bolt.

The porcelain is without a sharp corner. This has been given careful attention, because by making all edges with a large radius, possibility of cutting wire has been eliminated and friction greatly reduced.

- No. 613 Galvanized Tree Insulator  $5\frac{1}{2}$ " extension. Fig. No. 1. . . . . †
- No. 614 Galvanized Tree Insulator 7" extension. Fig. No. 2. . . . . †
- No. 620 Porcelain Insulator only. . . . . †
- No. 618 Galvanized Short Y Bracket only. . . . . †
- No. 619 Galvanized Long Y Bracket only. . . . . †

#### The Hendee Tree Insulator

A practical tree insulator that will accommodate itself to meet many and varying conditions. The husky brown glazed insulator is securely held by a galvanized bolt. The brass roller, held by a brass cotter pin, lessens friction and allows for easy installation and repair work without "cutting in".

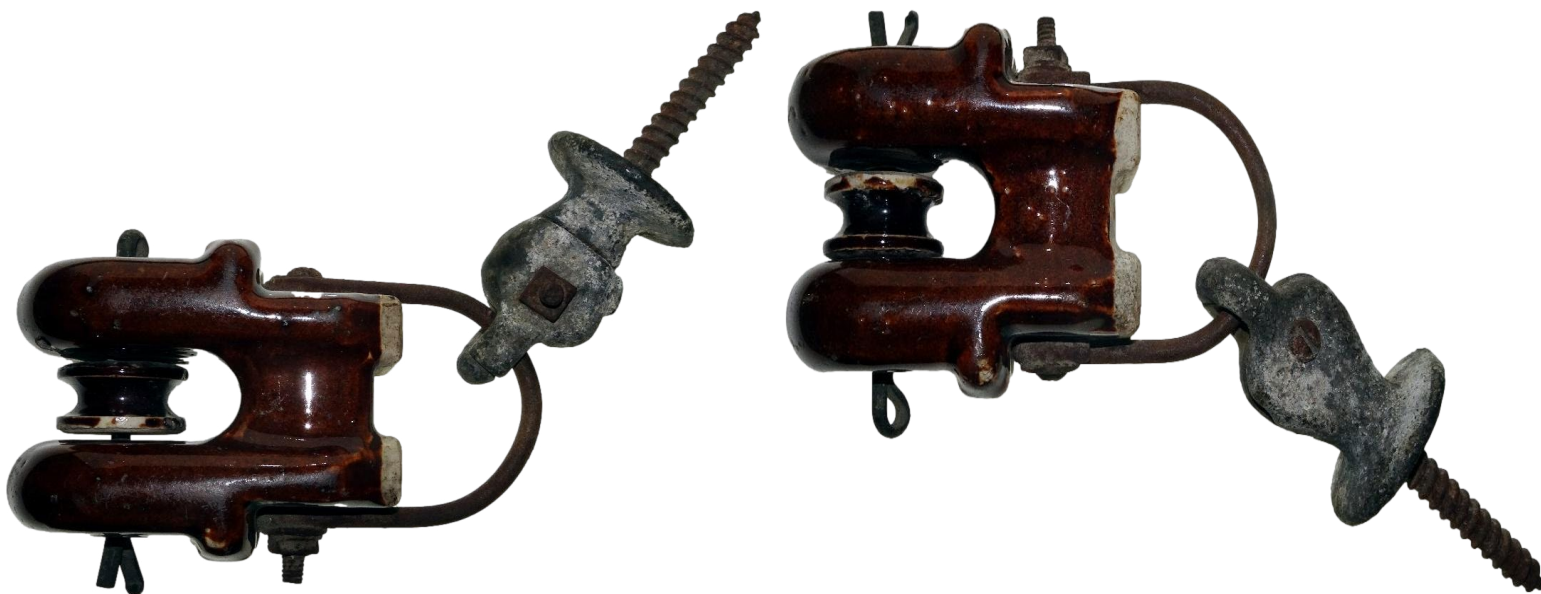
Made with a duplex hook or a screw yoke. The duplex hook is so designed that it will allow the insulator to swing free or will hold it rigid. The Screw Yoke allows the insulator to move in only one direction. Both types have a No. 22 2" wood screw securely cast into the base.

- No. 615 Complete with galvanized duplex hook. Fig. No. 3. . . . . †
- No. 625 Complete with galvanized screw yoke. Fig. No. 4. . . . . †
- No. 627 Porcelain insulator and Bail only. . . . . †

† Refer to Price List for Quotations.



The Following Pictures are of the Hendee Patent Tree Insulator and they are continued on the next page. This is one of my favorite designs.



# TREE INSULATORS (PART 1)

## THE HENDEE TREE INSULATORS



*Look for Part 2 in the next issue of Drip Points!*

# DID YOU KNOW?

BY DON BRIEL \* NIA #7218



What insulators should you collect? The short answer is any you like. The more complex answer comes from so many possibilities of what one can collect that you'll need to

set goals and limits. Unless you have unlimited funds, unlimited space, and unlimited time, you probably need to focus your collecting in one or a few specific areas. In this article we'll review some of the many possibilities and opportunities.

The mistake that many new collectors make is trying to get one of everything. While that is a lofty goal, it is also very impractical. There are well over 10,000 unique<sup>1</sup> North American glass pin-type insulators and well over 5,000 unique U.S. porcelain insulators.

That doesn't count endless manufacturing anomalies. Additionally, there are radio strain insulators, suspension insulators, lightning rod insulators, battery rests, commemoratives, miniatures, etc. There are large numbers of insulators from all over the world in each of the foregoing categories. Many insulator collectors choose to collect related go-withs such as telephones, telegraph equipment, battery jars, pole line hardware, pole tags, date nails, signs, tokens, badges, etc. The real question is, what area(s) do you find most interesting?

In my case, I've been fortunate to have a large room dedicated to insulator collecting. The primary focus is on at least one of each style of North American threaded glass insulators. That goal will never be reached, so there will always be something to look for. Add to that a small sampling of many other categories, including many go-withs. There is a wall of signs and pole tags, and several shelves of miscellaneous items including telegraph equipment, railroad electrical equipment, industry trinkets, show memorabilia, etc. A few sub-collections include Millville, NJ glass, junk in glass, etc.,

each adding some interest to the collecting. There is also a backlit wall of radio strains and suspension insulators. There's always a temptation to add more, thus restraint is required.

Some areas of focus for collectors might include foreign insulators, porcelain insulators, insulators made of various materials, battery rests, strain insulators, suspension insulators, etc. When resources, including display space and funds, are available one might opt for multiple categories.

However, when resources are limited, there are ways to narrow one's focus. If space is the limiting factor, one might narrow their focus, by collecting only threadless glass, only US unipart pin-type

porcelain, only Mexican insulators, only junk in glass, or any number of specific categories. Some collectors focus on just a couple of styles and try to get as many embossing and color variations as possible. Other



*Junk In Glass Display*



*Author's Insulator Room*

<sup>1</sup> Unique is defined as each specific combination of style, embossing, color, etc.



# DID YOU KNOW?

(CONTINUED)

collectors focus on a particular manufacturer (i.e. Hemingray, Brookfield, etc.) or a particular user (i.e. American Telephone & Telegraph Co., Canadian Pacific Railroad, etc.).

Another possibility for limited space includes smaller insulators that will allow more insulators in a given space. Power insulators are probably out of the question. There are also creative ways to display insulators to make optimum use of what space is available. Window displays are just one example.

One's budget for collecting insulators, including time, travel, and money is another determining factor in what to collect. Obviously, the more resources available, the more options that open up. However, one can have an amazing collection while spending very little. Looking for the minor variations, spelling errors, mold flaws, etc. in common insulators can be very rewarding. Conversely, one can have a very small collection of exotic pieces that require a large investment.



*Radio Strains*

When displaying outdoors, insulators with minor damage display well and tend to be much less expensive than the mint pieces that one might want for up close indoor viewing. Creativity is part of the fun!



*Outdoor Display*

One of the most fun and least expensive aspects of collecting insulators is finding them in the wild where they were used and left behind. However, that's a rapidly disappearing option. There have always been safety concerns due to lightning, snakes, poisonous plants, etc. There have also been issues with entering

private property unless permission is secured in advance. Unfortunately, now days there are major security issues due to heightened monitoring along railroad right of ways, power line right of ways, and the like ever since 9/11. Also, there is the disappearance of insulators themselves due to newer technology, land development, collecting, etc. Generally speaking, insulator hunting in the wild is a less expensive alternative to finding some great insulators if you live where hunting them is a viable option. It's also a real treat to get out and enjoy the fresh air. Legal, safety, and moral issues will be presented in more detail in a future article.



So, what should you collect? There is no wrong answer as to what to collect if your focus is affordable, manageable, and brings you joy in collecting. Here are just a couple of tips to think about. Having a complete collection is a lot less fun than the hunt to find those elusive pieces. Have patience! Displaying a smaller collection is a lot more enjoyable than having so many that they are boxed up and placed in storage. Once you reach your display space limit you

may opt to swap out less desirable pieces for more desirable pieces as time goes on and your collecting continues. A future article will present suggestions for how to best display your collection. Just keep things manageable, affordable, and enjoy the experience.

*Above all, have fun!*

# DRAYTON BROTHERS POTTERY

BY TERESA DEMPSEY

1916 – Theirs was a humble beginning, but from little acorns grow the mighty oaks. Having raised her six children alone after the untimely death of her husband 26 years earlier, of pneumonia, Anna Drayton (née Lange of German decent) thought the Pottery business was a good proposition for her three sons, Edward, William (Jack) and Albert. Largely in part to Anna's enthusiasm and personal business contacts, she was able to raise the £1,900 business capital required to buy out Shareholders, Directors, the Freehold and Land to reestablish the old pottery, and in 1916 the new Drayton Brothers Pottery in Sunshine was established. They knew very little about running a pottery and many years later, at a ceremony marking the hand over of the pottery business to another company in 1958, Mr. W. J. (Jack) Drayton commented that when they first started the company the staff consisted of 2 girls, 2 boys, his brother Edward and himself. Their first work was making cups and saucers for the Victorian Railways and ink wells for the Education Dept.

He said at the time they couldn't rake up 20 pounds between them and they knew little about the business of making pottery. Each brother took over a section of the work, made it his hobby and they grabbed every opportunity that came their way. He also mentioned they bought knowledge in 1/- (10 cents) books from Coles Book Arcade in Melbourne and that mistakes which were made were never repeated a second time.

By 1922 the pottery began to flourish and more capital was required to expand the business. The Plain brothers, Sydney John and Frank Albert, from Footscray in Melbourne became silent partners after making investments into the business. The name of the pottery was then changed to Sunshine Porcelain Potteries Pty. Ltd.

In 1928 both William (Jack) and Albert Drayton spent 3 months touring the United States, England and Germany. Upon their return, 'Jack' commented that 'We learnt more in the three months in the United States than we had in ten years in Australia.' They brought back with them a mass of formulas and technical details which would be of utmost value to their firm. A few of the factories they toured while in the US were the San Francisco branch of Westinghouse Electric Company in Berkely, Stohl's Porcelain Works, Sun Prairie, Wisconsin and the Western Electric Company in Chicago. They spent 4 hours at the Champion Porcelain Company observing the process of manufacture from start to finish, and they even had a warm invitation to inspect the Homer Laughlan Chinaware Company where a full process of manufacture was explained. While in England they were shown over Buller's at Stoke-on-Trent plant which they thought was vastly different to the American establishments they had toured earlier.

In 1930 medium and high-tension insulators were a special part of the

company's production along with the well-known low-tension types and the large variety of high-tension wall bushings, transformer tubes, bus bars, post insulators, as well as press-work, such as switch and fuse bases. Glazes used during this time were white, green, black, blue, brown or cream, according to customer requirements.

Identification markings during the early Drayton Brothers Pottery time period are less common and only some of their U-1493 sub bells have been found with the Initials D B S inside the map of Australia on the dome. Other U-1493 bells can be found with just the letters of T, S, or D impressed into the top of the dome. The larger U-1502 Drayton Brother bell's have only been found with the letter 'S' on dome. Later, during the 1930's on, Sunshine Porcelain Potteries Pty. Ltd insulators are marked with S and two digit year of manufacture. The first year found on the U-1502's bell's is 1934 and last year is 1936.



The U-1938 pothead terminator insulators have SUNSHINE imprinted in full in small lettering on the top of lid with year of manufacture below the name. The corresponding year can be found on the inside of the base. As collectors have

discovered, differing year lids do not match up with bases so getting complete matched pieces is desired. The U-1938 was only produced between 1932 and 1937. The new Sunshine trunk insulators U-1154 were marked on unglazed domes between 1938 - 1940 only with 1939 being the most common year found. Fully glazed, unmarked U-1154's have been recovered which have been attributed to Sunshine from the 1937 time period. There is currently only one U-1145 Sub style that is marked with S 54 on the side of the insulator. Unmarked versions

however can also be found. The white U-1912 transposition type have S and year in brown underglaze ink on the top shed of the insulator. Sunshine continued using the S## marking style on a number of their medium to high tension insulators in the 1930's. The wax resist method was commonly used on these and are highly sought after by collectors.

Sunshine Porcelain Potteries Pty. Ltd. also made blue glazed insulators such as large bells, shackles, and a number of other low voltage electrical insulators but these were unmarked.

The original Sunshine Porcelain Potteries Pty. Ltd. under the Drayton Brothers enjoyed a long and very harmonious relationship between employer and employee and it was somewhat of a sad day for all concerned at the official hand over ceremony to the Stanger & Co. Ltd company in June 1958.



*Editor's Note: I would like to thank the Australian Jewels on the Line, 2008 Newsletter for its contribution to this article along with some of the historical information which was provided by descendants of the Drayton Brothers.*

# DRAYTON BROTHERS POTTERY

(CONTINUED)



# UPCOMING EVENTS

FEBRUARY 2022 – MAY 2022

**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](mailto:dwhstahler@gmail.com) 520-331-9498 / Diane Stahler: [diane.darnell.porter@gmail.com](mailto:diane.darnell.porter@gmail.com) 520-548-7191 / Jim Harlow: [harlowmcl1@gmail.com](mailto:harlowmcl1@gmail.com) 928-830-7716.

**February 19, 2022 (Saturday)**  
**Greenville, Alabama**

The **Winter Dixie Jewels Insulator Club swap meet**, hosted by Roy Hale, will be held on Saturday, February 19, at the Butler County Fairgrounds, 260 American Legion Road, Greenville, Alabama from 8:30 AM to 3 PM. There is no charge to set up a sales table for DJIC Members. Non-members may set-up at the Swap Meet for just \$5. Around 20 sales tables will be available. Please contact the show host before the date of the swap meet to reserve your table(s). A noon meal will be served. For more information, please contact Roy Hale at (334) 437-0820 or by email at [rdhale423@centurylink.net](mailto:rdhale423@centurylink.net).

**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](http://www.insulators.info/cbic) or contact Gus Stafford (717) 790-9183, email [Gus.Stafford@gmail.com](mailto:Gus.Stafford@gmail.com).

**March 11-12, 2022 (Friday-Saturday)**  
**Chico, California**

**54th Annual Antique Bottle, Jar, Insulator and Collectible Show & Sale** at the Silver Dollar Fairgrounds, 2357 Fair Street, Chico, California. Show Hours: Friday 10:00 AM - 5:00 PM, Dealer entry and early admission (\$10 fee); Saturday 9:00 AM - 4:00 PM. For More Info: Contact Randy Taylor, (530) 518-7369 or mail to P.O. Box 1065, Chico, CA 95927, or email [RTJARGUY@AOL.COM](mailto:RTJARGUY@AOL.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: Daryl Wagner, [nwmoshow@dwagnerkc.com](mailto:nwmoshow@dwagnerkc.com), 816-719-0801.

**March 25-26, 2022 (Friday-Saturday)**  
**Reddick, Florida**

**Deland Antique Bottle Show@Turkey Creek Early Bird:** Friday- March 25 (1:00-6:00 PM) Fee \$20 SATURDAY-MARCH 26, 2022 8:00 AM - 3:00 PM FREE ADMISSION Turkey Creek Auctions Building 15323 NW Gainesville Road, Reddick, Fl. 32686 (Not far from I-75 & 441). Dealers- \$40 Per Table If it fits on the table bring it! (Crocks, Flasks, insulators, Bottles, Coca-Cola, etc). For more information contact: Ronnie McCormick 352-262-8672 [oldflabot-tles@gmail.com](mailto:oldflabot-tles@gmail.com) Louise O'Quinn 386-943-2766 [edlouis210@gmail.com](mailto:edlouis210@gmail.com).

**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](mailto:bob@hemingray.com) (630) 793-5345 and RICK SOLLER: [com574@clcillinois.edu](mailto: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](mailto:PACKRAT49ER@NETSCAPE.NET)

**April 29-30, 2022 (Friday-Saturday)**  
**Fresno, CA**

**The 26th Annual Rohde BBQ** will be held Friday, April 29th (noon to 4PM) & Saturday, April 30th (7AM to 4PM) at 12441 North Friant Rd, Fresno, CA (GPS: 2000 Birkhead Ave. Fresno, CA). You'll enjoy free-of-charge the famous Deep-Pit BBQ feast. Numerous tables are provided, or you may bring your own, or just open your tailgate and sell & trade. Swapping stories and bringing your recent finds are strongly encouraged. Info: BILL at (530) 701-4377 or KAT at (559) 974-3890. Email: [norcalmud@yahoo.com](mailto:norcalmud@yahoo.com).

**May 6-7, 2022 (Friday-Saturday)**  
**Columbia City, IN**

**The 2022 Columbia City, IN Collectibles Show** is May 6 & 7 at the Whitley County 4H Center, 581 Squawbuck Rd, Columbia City, IN. This is one of the least expensive shows to attend or be a dealer. Show info, contact Gene Hawkins [gene.hawkins@mchsi.com](mailto:gene.hawkins@mchsi.com) or Mike McLaughlin 574-377-5490 for other show info or for dealer tables. Friday dealer setup noon-2 PM Open to public at 2 PM Friday 5 PM Pizza. Friday 5:30 PM Show & Tell, where folks bring really cool stuff with special stories. Always interesting stuff comes off collector's shelves for discussion, things you won't see unless you visit them as it often isn't for sale, just special! PLEASE Bring something with a story to share with us! Saturday doors open for dealer set up at 6 AM, public at 7 AM. Saturday at 10 AM will be another auction, so clean out the closet & bring your clutter! Dealers can pack up whenever they need to do so.

**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](mailto:bobmerzoian@mac.com) or call (559) 359-2826. See you there!

**May 21, 2022 (Saturday)**  
**Colorado Springs, Colorado**

# UPCOMING EVENTS

MAY 2022 – JUNE 2023



Return of The "SPRINGTIME in the Rockies Show 2022"! Come celebrate the Triple-Ridge Insulator Club Get-Together & Potluck being held in Colorado Springs, CO from 7:00 am - 3:00 pm on Saturday May 21st 2022 at 2905 N. Cascade Ave., Colorado Springs, CO We have room for 35 PLUS++ tables, both inside and outside. There's never an admission or table setup charge and tables are free while they last, or you can bring your own. Where-ever you setup your table, you'll only be a step or two from a beautiful view of Pikes Peak and the Rocky Mountain Front Range. I'm sending out plenty of advance notice so that folks traveling from outside Colorado will have the chance to plan a road or plane trip to see the Great Rocky Mountains spectacular display of Springtime colors, and maybe hang around for a few extra days to see more of beautiful Colorado. This show is all about us collectors, and continues to get better with each passing year, so whether this will be your 1st or 10th time, come out for a day of buying, selling, trading, and talking insulators. There's always a great selection of glass & porcelain insulators, as well as go-withs, bottles and hobby related hardware & goodies available. A delicious lunch of grilled burgers, assorted chips, dips, drinks and salads will be provided, and you're all encouraged to bring a side dish, dessert or other munchies if you would like to share something. So, come join us for a great day of fun and fellowship with other collectors and enjoy a little Spring-time in the Rockies. Please give any of the hosts listed below a call or email letting us know you'll be here, so there's sure to be plenty of tables, chairs and food:

Dan Gauron: 719-492-0181 – [Alyeskaco@comcast.net](mailto:Alyeskaco@comcast.net)

Mike Green: 303-549-5028 – [n2glass@centurylink.net](mailto:n2glass@centurylink.net)

Nathan Holmes: 719-235-1286 – [maverick@drwg.com](mailto:maverick@drwg.com)

**June 4, 2022 (Saturday)**

**Perry, Iowa**

**25th Annual Hawkeye Insulator Swap Meet** Hotel Pattee, 1112 Willis Avenue, Perry, IA. Saturday June 4th, 2022. Doors open at 9:00 a.m. and close at 3:30 p.m. Hosted by Skip Lowe (641) 751-6856 [silowe@iowatelecom.net](mailto:silowe@iowatelecom.net).

**June 11, 2022 (Saturday)**

**Perkiomenville, Pennsylvania**

**49th Annual Pennsylvania Insulator Show And Sale**, Saturday June 11th. Hours 9 AM till? FREE ADMISSION. This is an Outdoor Show held at Arlene Wambold large side yard for all these years! Address 1837 Perkiomenville Rd, Perkiomenville, Pa. 18074. Lunch provided, Steve's famous pulled pork and other goodies! Please get ahold of either Arlene or myself when we get closer to the show date If you want to contribute food. Bring your own setup table and chairs. For more information contact Steve Bobb at [sbobb1@verizon.net](mailto:sbobb1@verizon.net), call or Text (610) 639-1308, Arlene Wambold [acwambold2@verizon.net](mailto:acwambold2@verizon.net), call (215) 234-8413.



**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 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](mailto:Gus.Stafford@gmail.com); Mary Ann Pike, 1280 Sugar Run Rd, Venetia, PA 15367, [mapike@earthlink.net](mailto:mapike@earthlink.net); Justin & Emily Stoudt, 1531 Helffrich Rd, Kutztown, PA 19530, [justin@theinsulatorstore.com](mailto:justin@theinsulatorstore.com); Steve Gosciminski, 118 Tyson School Road, Catawissa, PA 17820, [rcpandc@yahoo.com](mailto:rcpandc@yahoo.com). For more information, visit [https://www.nia.org/shows/2022\\_national/](https://www.nia.org/shows/2022_national/)

**August 6, 2022 (Saturday)**

**Berkley, Michigan**

**4th annual insulator swap meet** at a bigger and better location. Show hours are 9:00 AM to 3:00 PM, dealer setup starts at 8am. The swap meet location is at the Knights of Columbus 2299 Twelve Mile Rd Berkley Michigan 48072. The location is only 1 hr north of the Michigan/Ohio border, walking distance to downtown Berkley and there's a few antique stores in the area. Tables are \$25 each, free admission. Dealers, please RSVP when possible. Contact information: Curtis Erickson (248) 515-4612 [crerickson1@gmail.com](mailto:crerickson1@gmail.com).

**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](mailto:oregonjim@q.com)). You may also contact Howard Banks at 541-761-9456 ([hbanks@budget.net](mailto:hbanks@budget.net)) or Tim Wood at 541-923-4116 ([cwetim@gmail.com](mailto:cwetim@gmail.com)). Your RSVP is appreciated and will help us with knowing how much food to order and serve.

**September 17, 2022 (Saturday)**

**Lawrence, Kansas**

**Border States Antique Show & Sale**, Douglas County Fairgrounds, 2120 Harper St. Bldg. 21, Lawrence, KS, 66046 from 9:00 AM to 3:00 PM. Antique insulators, bottles, jars, postcards, telephones, advertising, porcelain signs, lightning rod balls & arrows and other table-top antiques & collectibles. Friday set up with show open to the public on Saturday. 100+ 8' & 6' tables available. Breakfast & lunch available on site. For information: Darryl Wagner, [darryl@dwagnerkc.com](mailto:darryl@dwagnerkc.com), 816-719-0801 Or: Mark Law, [kansasbottles@gmail.com](mailto:kansasbottles@gmail.com), (785) 224-4836.



**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](mailto:Don.Briel@comcast.net) and BRIAN & CATHY WEESE, (801) 201-5187, [brianlweese@gmail.com](mailto: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/>
- [https://allinsulators.com/hobby/shows/submit\\_show/](https://allinsulators.com/hobby/shows/submit_show/)

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](http://www.nia.org/shows/2022_national)

# Glass Insulator Collector

# Dan Gauron

P.O. Box 1721  
Colorado Springs, CO 80901

719-492-0181  
Alyeskaco@comcast.net

**Buy - Sell - Trade**

**NIA #8176**



# ANNUAL SHOW & SWAP

**\*INSULATORS\* \*INSULATORS\* \*INSULATORS\* \*INSULATORS\*\***  
**\*\*BOTTLES AND RELATED COLLECTABLES WELCOME\*\***

**Saturday May 21st 2022**

**From: 7am – 3pm**

At: 2905 North Cascade Ave Colorado Springs (*just off I-25 at the 145 exit*)

**\*Free admission\***

- \*Free Tables\*** (while they last or bring your own)
- \*Free Appraisals\*** (don't know what it's worth, bring it)
- \*Free Lunch\*** (Donations Appreciated)

**Plenty of Indoor & paved out door space is available**

**\*\*Please Contact/RSVP one of the following so that we have plenty of chairs and tables for you\*\***

Dan Gauron: [alyeskaco@comcast.net](mailto:alyeskaco@comcast.net) or 719-492-0181  
Mike Green: [n2glass@centurylink.net](mailto:n2glass@centurylink.net) or 303-549-5028  
Nathan Holmes: [marverick@drgw.com](mailto:marverick@drgw.com) or 719-235-1286

**Come Join the Fun**

**\*\*Show Hosts Not Responsible For Accidents\*\***



## Calling All CREB Heads

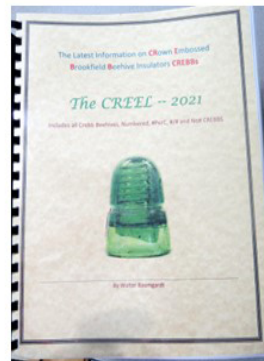
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**NATHAN HOLMES**  
MAVERICK@DRGW.NET  
719-235-1286  
NIA #4002

**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](mailto:glassman_43@hotmail.com)

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# 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](http://FOHBC.org) for hotel booking information, schedule and dealer contracts. Hotel rooms will go fast!

**Richard & Bev Sirl** (Show Chairs)  
[rsirl@sbcglobal.net](mailto:rsirl@sbcglobal.net)

**John Burton** (Displays)  
[JohnCBurton@msn.com](mailto:JohnCBurton@msn.com)

**DeAnna Jordt** (Show Treasurer)  
[djordt@yahoo.com](mailto:djordt@yahoo.com)



TEAM RENO

**Eric McGuire** (Seminars, Keynote Speaker)  
[etmcguire@comcast.net](mailto:etmcguire@comcast.net)

**Ferdinand Meyer V** (Marketing & Advertising)  
[fmeyer@fmgedesign.com](mailto:fmeyer@fmgedesign.com)

**Gina Pellegrini** (Event Photographer)  
[angelina.pellegrini@gmail.com](mailto:angelina.pellegrini@gmail.com)



Info:  
[FOHBC.org](http://FOHBC.org)



# The Insulator Store



Jim Frustieri & Justin Stoudt  
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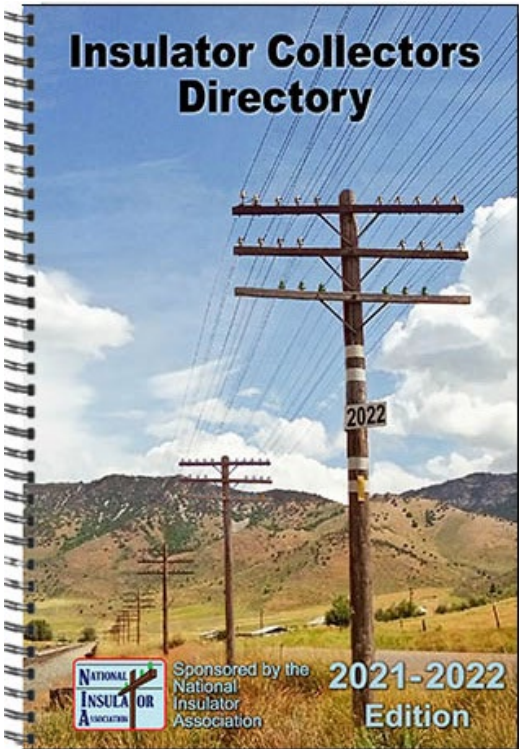
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We are excited to release the new 2021-2022 printed Insulator Collectors Directory.

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:

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



## Collect Railroad Antiques?

Since 1971, the Railroadiana Collectors Association Inc. has strived to educate and preserve the history of dining car china/silver, lanterns, porcelain signs, railroad art, timetables, locks and keys, builders plates, and all railroad related memorabilia. Join for \$42.00 per year (\$120 for 3 yrs.) to receive our full-color quarterly publication and connect with railroad antique collectors around the world. Email us for a free electronic copy of our current edition.

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# ALL INSULATORS

## Crown Jewels of the Wire

The official magazine for Insulator collectors since 1969

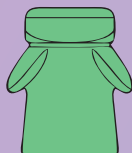


For more than 50 years Crown Jewels of the Wire has been the leading publication for glass and porcelain insulator hobby news, history, articles with columns devoted to worldwide insulators, show reports, in-depth research articles, meeting announcements, photos and other insulator information. There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

Being a quarterly publication allows the contributors to create some amazingly rich, well-researched articles. It is like getting a new book on insulators four times a year.

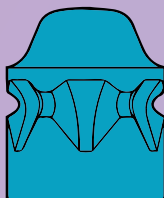
Some of the topics regularly covered are:

- Threadless insulators
- Porcelain insulators
- Insulators from around the world
- North American glass insulators
- Lightning rod insulators
- Research on historic lines
- Hunts and finds
- Upcoming insulator show information



### NIA members discount!

All NIA Members get a \$3 discount when subscribing or renewing. If paying by mail, just include the coupon you received with your NIA membership and make check out for \$3 less. If renewing/subscribing online, email [shaun@allinsulators.com](mailto:shaun@allinsulators.com) for directions.



### Subscription options

Print (USA) .....	\$45
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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
2 Issues	\$257	\$171	\$95	\$57	\$34	\$23
3 Issues	\$379	\$252	\$140	\$84	\$50	\$34
4 Issues	\$497	\$331	\$184	\$110	\$66	\$44
5 Issues	\$614	\$410	\$228	\$137	\$82	\$55
6 Issues	\$729	\$486	\$270	\$162	\$97	\$65

\* Back Cover (8.5"x8.5") Inside Back Cover & Inside Front Cover (8.5"x11")

**Classified Ads:**  
10 cents per word, **15 cents per bold word**, \$2.50 min./per Issue

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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](mailto:admanager@nia.org)).

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

Ads must be pre-paid. We accept PayPal ([treasurer@nia.org](mailto:treasurer@nia.org)) or checks payable to the NIA.

Ads must meet all postal regulations that govern publications mailed at Non-Profit Standard Mail postage rate.

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3370 Chance Ct.

Helena, MT 59602 [admanager@nia.org](mailto:admanager@nia.org)

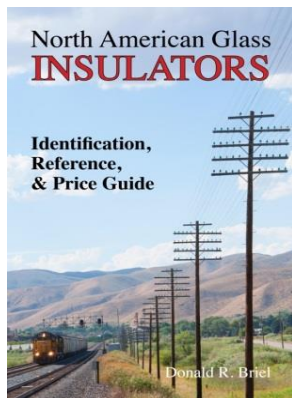
## DRIP POINTS Publishing Schedule

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

### North American Glass Insulators – Identification, Reference, & Price Guide

- New CDs & CD Changes
- New Index Listings
- Added Color Listings
- Unverified Questionable Listings Removed
- New and Updated Appendices
- Updated Prices
- 14,500+ listings
- 388 pages – 6” x 9”
- Spiral Bound



Paper Edition -- \$49 ppd\* in U.S.

Paper Edition w/Price Guide Browser -- \$79 ppd\* in U.S.

**\* For delivery outside of the U.S. please contact Don Briel for current shipping cost and payment instructions**

Access Price Guide information on your phone or computer  
 Visit: [www.PriceGuideBrowser.com](http://www.PriceGuideBrowser.com) for a demonstration of the Price Guide Browser produced by Bill Meier

To order, visit: [www.InsulatorPriceGuide.com](http://www.InsulatorPriceGuide.com) or mail a check or money order to:

**Donald R. Briel**

P. O. Box 188 • Providence, Utah 84332

Contact: [Don.Briel@comcast.net](mailto:Don.Briel@comcast.net) or (435) 753-5786



**WANTED**

**CD 293's in All Colors**  
**Especially Greens, Sages, Grays, SCA**  
**and Character pieces**

**Also photos of 293's in use,**  
**Historical info etc.**

**Doug Rusher NIA1773**  
**Helena, Mt 59602**

**PH 406-461-7341 or [ddrusher@aol.com](mailto:ddrusher@aol.com)**

**WANTED:** Insulator collections big and small! Midwest collector will travel far and wide to make offers and give appraisals. I will pay TOP DOLLAR for yours! Please contact Andy Wadysz, 734-735-8376, [awadysz@hotmail.com](mailto:awadysz@hotmail.com)



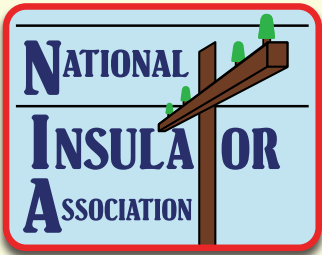
### CD COLLECTOR & MORE

**Please contact me for a copy of my want list**  
 also looking for:  
 Mint CD 206 Castle in Green  
 M-2795 Gutter Top with Glass Base  
 M-2636 Turquoise New Lexington

**Spencer Garten**  
 7087 Saddle Creek Lane  
 Sarasota FL 34241

**PH 859-351-2617 (Call or Text)**  
[Spencer.Garten@gmail.com](mailto:Spencer.Garten@gmail.com)





## FREE NIA MEMBER CLASSIFIEDS

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**LARRY N. NELSON:** FOR SALE: CD 788 Blackglass insulator with a restored skirt. If interested please call 802-244-5555 ask for Larry N. Nelson

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**ZAC MIRECKI:** Collector seeks better: Tolls, Hi Tops, Foreign, GPCo, Hartford Faience, medicine bottles, and stamps. Email for want list. Zac Mirecki (860) 916-9014 [zacharymirecki@protonmail.com](mailto:zacharymirecki@protonmail.com)

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SEND IN YOUR FREE 25-WORD AD TO [DRIPPOINTS@NIA.ORG](mailto:DRIPPOINTS@NIA.ORG).



# 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)
\$ 0.00 -	\$ 49.99	Aqua	Scholarship Fund
\$ 50.00 -	\$ 99.99	Green	
\$ 100.00 -	\$ 249.99	Emerald	Educational Development
\$ 250.00 -	\$ 499.99	Carnival	
\$ 500.00 -	\$ 999.99	Amber	National & Regional Shows
\$ 1,000.00 -	\$ 2,499.99	Peacock	
\$ 2,500.00 -	\$ 4,999.99	Purple	Internet Technology
\$ 5,000.00 -	\$ 9,999.99	Cobalt	
\$ 10,000.00+		Hobby Benefactor	General Fund

Other Donation area: \_\_\_\_\_ Amount \$ \_\_\_\_\_

**Amount Enclosed:** \_\_\_\_\_ **Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Additional Information: \_\_\_\_\_ **If it is OK to list you as a donor, check here:**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email Address: \_\_\_\_\_

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](mailto:donations@nia.org). Your gift is deductible, to the fullest extent of the law. The National Insulator Association ([www.nia.org](http://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

Name	From	Level	Additional Information
Tommy Bolack	New Mexico	Hobby	Drip Points & General Fund
National Raffles		Benefactor	General Fund
Anonymous	New York	Peacock	Scholarship
Cathy Fielding	Texas	Peacock	General Fund
Don & Jeanne Briel	Utah	Amber	2023 National
Anonymous	California	Amber	General Fund
Anonymous	Colorado	Amber	General Fund
Dianne George	Washington	Carnival	General Fund
George Snow	Utah	Carnival	General Fund
A. Mark Aceto	Virginia	Carnival	General Fund
Anonymous	Georgia	Emerald	Scholarship
Relf Price	New Mexico	Emerald	General Fund
H. Jon Verdick	Washington	Emerald	General Fund
Anonymous	Washington	Emerald	General Fund
A.L. Davis	Louisiana	Emerald	Scholarship & General Fund
R. Carson	Texas	Emerald	General Fund
Andrew Black	Kentucky	Emerald	Technology
Dean Norlin	Wyoming	Emerald	General Fund
Bill Sagatis	New York	Emerald	General Fund
Bernice Schultz	Wisconsin	Emerald	General Fund
Jim Van Norstrand	Texas	Green	General Fund
Mark Johnson	California	Green	General Fund
Bruce Brown	Wisconsin	Green	General Fund
Anonymous	Utah	Green	General Fund
Robert Tucker	Missouri	Green	General Fund
Donald Zinn	Oregon	Green	General Fund
Steven Burton	Texas	Green	General Fund
David Dangora	Massachusetts	Green	General Fund
Dave Dunaway	Florida	Green	General Fund
Anonymous	Arizona	Green	General Fund
Richard Hart	S. Dakota	Green	General Fund
Michael Lowry	Florida	Green	General Fund
David Mead	Massachusetts	Green	General Fund
H. Trueblood	Washington	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  
3557 Nicklaus Drive  
Titusville, FL 32780-5356  
321-480-1800  
[bluebellwt@aol.com](mailto:bluebellwt@aol.com)



**Chesapeake Bay Insulator Club**  
Larry Novak  
12604 Eldrid Court  
Silver Spring, MD 20904  
301-680-8910  
[cbic@clubs.insulators.info](mailto:cbic@clubs.insulators.info)



**Dixie Jewels Insulator Club**  
Bill Haley  
215 McFarland Ave.  
Chattanooga, TN 37405  
423-756-4106  
[djic@clubs.insulators.info](mailto:djic@clubs.insulators.info)



**Greater Chicago Insulator Club**  
Bob Stahr  
360 S. Kenilworth Ave.  
Glen Ellyn, IL 60137  
630-793-5345  
[gcic@clubs.insulators.info](mailto:gcic@clubs.insulators.info)



**Golden State Insulator Club**  
Bob McLaughlin  
2327 E. Goshen Ave.  
Fresno, CA 93720  
559-790-0194  
[rdmclau@comcast.net](mailto:rdmclau@comcast.net)



**Huron Valley Bottle & Insulator Club**  
Rod Krupka  
2641 Echo Lane  
Ortonville, MI 48462  
248-627-6351  
[rod.krupka@yahoo.com](mailto:rod.krupka@yahoo.com)



**Insulator Collectors On the Net**  
Bill Meier  
103 Canterbury Court  
Carlisle, MA 01741-1860  
978-369-0208  
[icon@clubs.insulators.info](mailto:icon@clubs.insulators.info)



**Lone Star Insulator Club**  
Chris Renaudo  
15707 Brookforest Dr.  
Houston, TX 77059  
[lsic@clubs.insulators.info](mailto:lsic@clubs.insulators.info)



**Missouri Valley Insulator Club**  
Darryl Wagner  
14615 NW Skyview Ave  
Smithville, MO 64089  
816-719-0801  
[mvic@clubs.insulators.info](mailto:mvic@clubs.insulators.info)



**North Western Insulator Club**  
Colin Yennie  
504 White Birch CT NW  
Oronoco, MN 55960 2030  
507-289-1095  
[nwic@clubs.insulators.info](mailto:nwic@clubs.insulators.info)



**Triple Ridge Insulator Club**  
Dan Gauron  
P.O. Box 1721  
Colorado Springs, CO 80901  
719-266-0181  
[danielgauron@yahoo.com](mailto:danielgauron@yahoo.com)



**Western Reserve Insulator Club**  
John Hovanec  
13009 Ridge Road  
North Royalton, OH 44133  
440-237-2242  
[wric@clubs.insulators.info](mailto:wric@clubs.insulators.info)



**Yankee Pole Cat Insulator Club**  
John Rajpolt  
17 Pheasant Lane  
Monroe, CT 06468  
203-261-1190  
[ypcic@clubs.insulators.info](mailto: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 1<sup>st</sup> and ends on December 31<sup>st</sup>. 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 31<sup>st</sup> 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](mailto: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 \$10.00 ..... 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 January 23, 2022

- 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](http://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

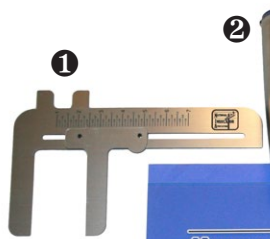


**Structured with Mesh**

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: \$18

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 \_\_\_\_\_

**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: \_\_\_\_\_



**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: \_\_\_\_\_

**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:**  
Margaret Wagner, 14615 Skyview Ave., Smithville, MO 64089  
(816) 719-0802 • [niaproducts@nia.org](mailto:niaproducts@nia.org)

## **NIA Board of Directors**

### *President*

**Darryl Wagner** – NIA #8671  
14615 NW Skyview Ave.  
Smithville, MO 64089  
[president@nia.org](mailto:president@nia.org)

### *First Past President*

**Steve Roberts** – NIA #7935  
2404 Mansker Dr.  
Madison, TN 37115  
[1stpastpres@nia.org](mailto:1stpastpres@nia.org)

### *Western Region VP*

**Roger Ziesak** – NIA #8919  
8865 Grouse Dr.  
Missoula, MT 59808  
[westernvp@nia.org](mailto:westernvp@nia.org)

### *Central Region VP*

**Chris Hedges** – NIA #15  
621 W. 61st St.  
Kansas City, MO 64113  
[centralvp@nia.org](mailto:centralvp@nia.org)

### *Eastern Region VP*

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816 Flintlock Ridge Rd.  
Mechanicsburg, PA 17055  
[easternvp@nia.org](mailto:easternvp@nia.org)

### *Secretary*

**Carolyn Berry** – NIA #4336  
1010 Wren Ct.  
Round Rock, TX 78681  
[secretary@nia.org](mailto:secretary@nia.org)

### *Treasurer*

**Bill Rohde** – NIA #1219  
P.O. Box 28  
Colusa, CA 95932  
[treasurer@nia.org](mailto:treasurer@nia.org)

### *Membership Director*

**Andrew Gibson** – NIA #2422  
5997 Springwater Rd.  
Dansville, NY 14437-9772  
[membership@nia.org](mailto:membership@nia.org)

### *Information Director*

**Christian Willis** – NIA #5185  
P.O. Box 2797  
Parker, CO 80134  
[information@nia.org](mailto:information@nia.org)

## **NIA Advisors & Committee Chairs**

### *Ad Manager*

**Doug Rusher** – NIA #1773  
3370 Chance Ct.  
Helena, MT 59602  
[admanager@nia.org](mailto:admanager@nia.org)

### *Authentication & Classification Advisor*

**Paul Greaves** – NIA #2685  
8830 Benton Acre Rd.  
Granite Bay, CA 95746  
[authentication@nia.org](mailto:authentication@nia.org)

### *Awards & Recognition Chair*

**Ken Willick** – NIA #3709  
7349 Seneca Ave.  
Lima, NY 14485  
[awards@nia.org](mailto:awards@nia.org)

### *Commemorative Coordinator*

**Margaret Wagner** – NIA #8711  
14615 Skyview Ave.  
Smithville, MO 64089  
[commemorative@nia.org](mailto:commemorative@nia.org)

### *Development Committee Chair*

**Bill Rohde** – NIA #1219  
P.O. Box 28  
Colusa, CA 95932  
[donations@nia.org](mailto:donations@nia.org)

### *Directory Committee Chair*

**Nathan Holmes** – NIA #4002  
6570 Pawnee Cir.  
Colorado Springs, CO 80920  
[directory@nia.org](mailto:directory@nia.org)

### *Drip Points Managing Editor*

**Doug Rusher** – NIA #1773  
3370 Chance Ct.  
Helena, MT 59602  
[drippoints@nia.org](mailto:drippoints@nia.org)

### *Ethics Advisor*

**Daryl Stahler** – NIA #8843  
4622 N. Paseo Pitiquito  
Tucson, AZ 85750  
[ethics@nia.org](mailto:ethics@nia.org)

### *Events Committee Chair*

**Gene Hawkins** – NIA #421  
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## 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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