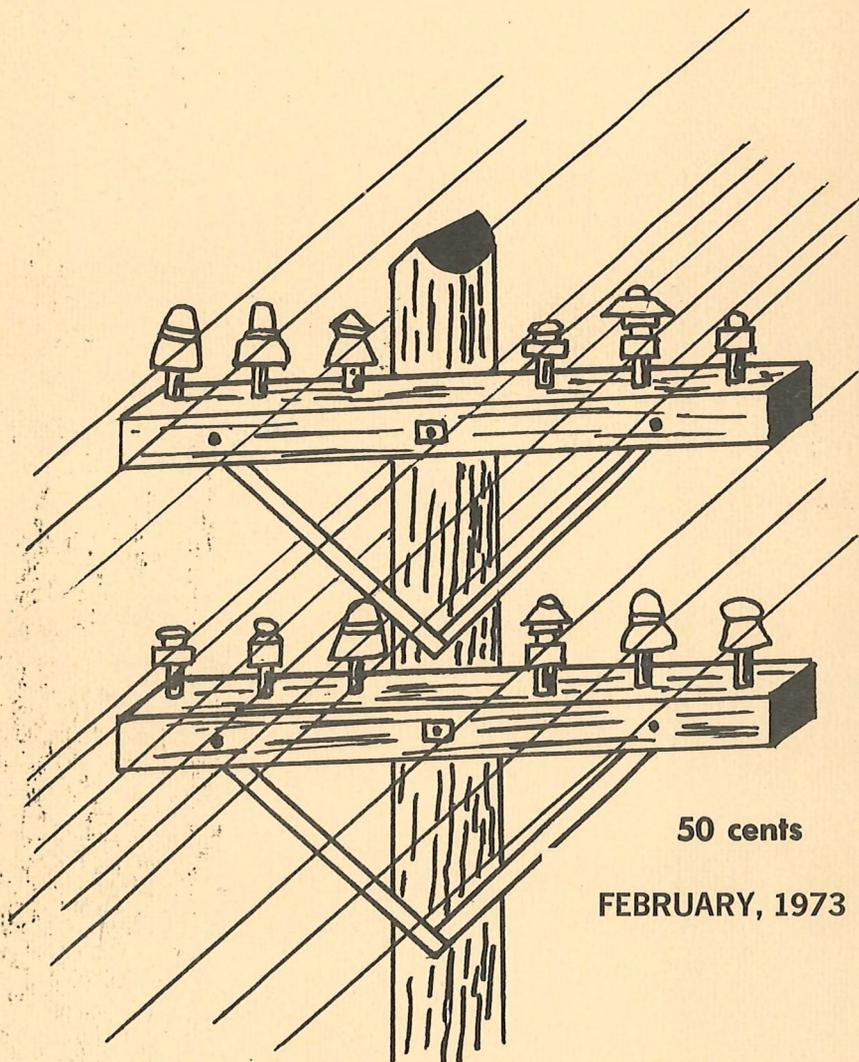


# CROSS ARMS

*an eastern  
insulator collectors'  
magazine*



50 cents

FEBRUARY, 1973

367 Signal Hill Road  
King of Prussia, Pa. 19406

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CROSS ARMS--dedicated to enriching the knowledge of the insulator collector, and enlarging the ranks of the insulator collecting hobby.

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### PUBLISHING POLICY

1. CROSS ARMS will publish any information available concerning insulator shows and swap meets.
2. Any information received by CROSS ARMS before the 15th of the month will be published and in the hands of our subscribers by the 5th of the next month.
3. All ads are kept confidential until they are published.
4. We will do our best to make sure all advertisers are reliable but cannot be held responsible for the validity of their copy nor for their performance. We accept no responsibility for errors except to reprint the incorrect portion of the ad in a later edition.
5. Send black and white prints or copies as they will reproduce with more satisfactory results. All material will be returned to the sender if specified, all other material becomes the property of CROSS ARMS.

# CROSS ARMS

An Eastern Insulator  
Collector's Magazine

Vol. 2, No. 1

February, 1973

Editor James Garrity  
Production Catherine, Mary Alice Garrity, Edward  
Szymala

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CD of the month for March is 724.

# 1972 INDEX

## CD OF THE MONTH

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CD 196	Dec. '72	CD 419	Aug. '72
CD 203	Nov. '72	CD 426	Sept. '72
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5-2-1882	Lewis	Aug. '72	11 & 12
3-27-1883	Reiff	July '72	11 & 12
12-25-1883	Pope	Aug. '72	13 & 14
7-28-1885	McGrory	July '72	9 & 10
8-25-1885	Putman	Jan. '72	21 & 22
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## EDITORIAL

This is the first issue of our second year. We want to take this opportunity to thank everyone who has helped us during the preceding year. We had a good year last year, and we are looking forward to an even better one this year.

As everyone is aware of by now, we at CROSS ARMS do things a little differently, and since our basic approach seems to appeal to most everyone, we will continue along this vein.

The insulator collecting hobby is bigger than most of you imagine and it keeps getting bigger. It's up to all of us who collect insulators to maintain the hobby's appeal to everyone. This can best be accomplished by:

1. good faith bargaining between collectors.
2. publicizing the hobby.
3. learning the history connected with the hobby.
4. teaching beginners as much as possible about the hobby as our growth depends on a strong foundation.
5. sharing our knowledge with each other.

CROSS ARMS has established a set of standards for itself. These standards are intended to appeal to all collectors and to help increase the interest in insulator collecting. If last year is any indication of the future, we are on the right track.

Again I say, we are only as good as the information we receive from those of you who collect, and we need all the information we can get.

Thank you.

Your Editor.

## SHOWS AND SWAPS

Guide for the calendar is as follows:

(I. S.) for insulator show and swap.

(B. S.) for bottle show.

(+) indicates more information on following pages.

### CALENDAR

#### FEBRUARY

4 (I. S.) (+) Bergenfield, N.J.

24, 25 (B. S.) (+) Buena Park, CA.

25 (I. S.) (+) Cromwell, CT. American Legion Hall.

#### MARCH

3, 4 (I. S.) (+) Lubbock, Texas.

3, 4 (I. S.) Winfield, Kansas. American Legion Bldg.

10 (I. S.) (B. S.) (+) East Bridgewater, Mass.

17, 18 (I. S.) (B. S.) (+) Traverse City, Michigan.

24, 25 (I. S.) (+) Toledo, Ohio.

31-1 (B. S.) (I. S.) (+) Deland, FL.

#### APRIL

14, 15 (I. S.) (+) Gladstone, Missouri.

14, 15 (I. S.) (+) Ithaca, NY. High School.

28, 29 (I. S.) (+) Greencastle, IN.

28, 29 (B. S.) (+) St. Louis Park, Minn.

28, 29 (B. S.) (+) Rochester, NY.

29 (I. S.) (+) Rehoboth Beach, Del.

#### MAY

12, 13 (I. S.) (B. S.) Hutchinson, Kansas. Sports Arena.

19 (I. S.) (+) Westerville, Ohio.

26 (I. S.) (+) Morrestown, N.J. High School.

## JUNE

10 (I. S.) Greater Harrisburg Area, PA.

## JULY

7, 8 (I. S.) Hutchinson, KS Sports Arena. 4th National.

### ADDITIONAL INFORMATION

#### February 4

Show & swap will be held at Bergenfield, NJ. Tables will be \$5 per table, \$3 for 1/2. Tables will be 8 foot. Contact Jerry Wagner, 15 N. Demarest Ave., Bergenfield, NJ 07621.

#### February 24 & 25

Antique Bottle Club of Orange County, 4th annual bottle Show and Sale. Retail clerks, Union Hall, 8530 Stanton Ave., Buena Park, Cal.

#### February 25

Yankee Polecats Insulator Club Meeting and Swap & Sell Meet. Feb. 25th, American Legion Hall, Main St., Cromwell, Conn. Set-up time: 8:00, meeting at 9:30 and doors open to public at 10:00 to 5:00. There will be no selling or trading until 10:00. The new slate of officers will be presented and voted on. We hope to have Wm. Brookfield, grandson of Wm. Brookfield the glass manufacturer, as our guest in the afternoon. Food will be available on the premises. Table space will be \$2.00 for members and \$3.00 for non-members. General Admission is free. Let's hope the weatherman will co-operate and give us a nice day. Please make reservations early to Mrs. Gertrude Wyer, 29 Franklin Rd., Cromwell, Conn 06416 Ph. 346-5318.

### March 3 & 4

An insulator show will be held on March 3 & 4 at the "KOKO PALACE" on 50th St. and Ave. Q in Lubbock, Texas by the "Hub of the Plains Insulator Club." Contact: Herman Jacobs, 2213-59th St., Lubbock, TX 79412. CROSS ARMS RIBBON will be awarded.

### March 10

7th Eastern Mass. Antique Bottle & Insulator Show. Square Acres Dance Hall, Route 106, East Bridgewater, Mass. Information: Fred Swiechowicz, 200 Warren St., Randolph, Mass. 02368. Ph. (617) 961-2439.

### March 17 & 18

Grand Traverse Area Bottle, Insulator and Antique Show. Park Place Dome, Traverse City, Mich. Contact: Tom Ghering, 3875 Town Hall Road, Traverse City, Mich. 49684.

### March 24 & 25

Glass Capitol Insulator Show. 2947 Tremainsville Rd., Toledo, Ohio. Easily accessible from the Ohio Turnpike, interstates 75-475-280. For more information: J. R. Snyder, 244 Waggoner Blvd., Toledo, OH 43612 (419) 476-4902, or Gary Hill, 1949 Marlow, Toledo, OH 43613, (419) 474-0813.

### April 14 & 15

Northlands First Insulator Show and Sales, Gladstone Community Bldg., N. E. 69 Street and North Holmes, Gladstone, Missouri. --Contact R. Green, 1703 NE 72 Terr., Gladstone, Missouri 64118, Ph. 1 (816) GE 6-0953 or Larry Rollins, 7002 Kessler, Shawnee Mission, Kansas 66204, Ph. 1-(913) RA 2-3377.

### April 14 & 15

Brad & Nancy Cook will again sponsor an insulator meet at the Ithaca High School, Ithaca, NY. Contact: Brad & Nancy Cook, 507 Ridge Road, Ludlowville, NY 14862. CROSS ARMS ribbon will be awarded.

### April 28 & 29

This show will be held at the Putnam County Fairgrounds, Greencastle, Indiana. On Sunday the 29th, we will have an Insulator Auction, starting at 1:00 p.m. It will be titled Hoosier Insulator Collectors Spring Show. Please contact: Dean J. Schlatter, R.R. #1, Box 110, Reelsville, IN 46171.

### April 28 & 29

Minnesota's First Antique Bottle Club and North Star Historical Assoc co-hosting a show and sale at Benilde High School, 2501 S. Hiway 100, St. Louis Park, Minn. Hours 10 a.m. - 6 p.m. Sat. 10 a.m. - 5 p.m. Sunday. Donation 75¢, children under 12 free. Sales table \$10 for 2 days. Competitive displays free. Old and new bottles and insulators, also go-withs. Contact: Diane Essig, 2908 Florida Ave., So., St. Louis Park, Minn. 55426 (612) 925-1791.

### April 28 & 29

The Genesee Valley Bottle collectors association proudly presents their 4th annual major Eastern Bottle Show & Sale from 10 a.m. - 5 p.m. at the Monroe County Fairgrounds, Rt. 15A in Rochester, NY. Admission will be Adults-\$1.00 and children 50¢. For more information contact: Jack Stecher, 230 Eileen Dr., Rochester, NY 14616, (716) 621-4701.

April 29

First State Insulator Swap Show and Sale at Rehoboth Beach Convention Hall. 100 tables available. Opens at 6 a. m. for dealers and 9 a. m. -5 p. m. for public. Admission free. Tables are \$8 and \$5 for 1/2 table. There will be door prizes and ribbons. CROSS ARMS ribbon will be awarded. Please have reservations in by April 15 to Charles Irons, Jr., No. 3, Elizabeth St., Milford, DE 19963.

May 19

The Mid-West Insulator Swap and Show will be held on May 19 in Westerville, Ohio, Grange Hall, 15 miles northeast of Columbus, off I. S. 270. CROSS ARMS ribbon will be awarded. Contact: Don Bauman, 6706 Charles Rd., Westerville, OH 43081.

May 26

First Annual Southern New Jersey Insulator Meet. Sponsored by Gene Bond and will be held at the Morristown High School in Morrestown, New Jersey. For details contact: Gene Bond, Jr. 15 East Camden Ave., Moorestown, New Jersey 08057.

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The preceding section is free of charge to anyone interested in having an announcement of thier coming show published. We will be glad to print any information you would like to send to us. CROSS ARMS will furnish award ribbons to any show or swap meet that requests them. Any club or show host interested in awarding CROSS ARMS ribbons please contact us for particulars.

## KNOW YOUR COLLECTOR

We are featuring in February's anniversary issue, Mr. Elmer Perry as collector of the month. Mr. Perry was our first CROSS ARMS' subscriber.

Mr. Perry of 11 South Drive, Bridgeton, New Jersey, is a retired Bell Telephone Co. employee and has been collecting for about 10 years. Since he comes from "Gaynor" country it is natural that they are one of his favorites.



Elmer with part of his collection in the background.



left: W. T. #1 CD 154 carnival glass; right: very crude CD 162 star.

Collector of the month.



l to r: 3 3/8" h (dark aqua) embossed F: GAYNOR; B: NO. 6--3 1/2" h (dark aqua) embossed F: GAYNOR; B: NO. 91--this 1 7/8" h (aqua) no name, hole thru was used on the old 14 twisted pair telephone lines, and was taken off a house by Elmer in 1918. It was attached using a 3/8" lag screw.



left: CD 738 no name (Saratoga green), very crude, notice how extra glass is still on the skirt.  
right: CD 283 (aqua), with an embossed prism.

# FIRST ANNUAL GOLD COAST INSULATOR MEET

by Marion Milholland

We traveled to the West Palm Beach meet January 13 and 14, 1973. First Annual Gold Coast Insulator Meet-not a show-just an out and out swap and sales plus a good fellowship meet. Many of our old, plus several new friends were there. Mr. A. W. Merrell, Jr. and Mr. Charles Glasgow sponsored the meet, and it was held at A. W. Merrell's place of business-501 Monceaux Road in West Palm Beach.

A real nice turnout and a real pleasant and busy day. Many insulators exchanged hands. However, while no ribbons or prizes were going to be awarded, the Crown Jewels sent a ribbon for first place showing and Gerald Brown sent along a copy of his new book for second best showing. Somehow it became my great honor to be the sole judge and it became my decision that the Crown Jewels of the Wire ribbon be given to Mr. John A. Slagle of Parker, PA. The second award for a real lovely display was the "New Gerald Brown Porcelain Book" and was given to James and Lora Robbins of Montgomery, Alabama.

Evelyn and I extend to you all our best regards.

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Nov. 21, 1898--This was the first successful test involving transmission of telephone and telegraph messages on the same wire. The test took place on lines between Baltimore and Pittsburg. The lines were owned by the B. & O. R. R.

Oct. 23, 1894-Western Union Telegraph Co. bought out American Rapid Telegraph Co. The cost was \$550,000's worth of Western Union stock.

The 1973 membership directory is now in the final stages of preparation and will be mailed to all members in the next few weeks.

Charlie Irons, Vice-President of EIC has announced plans for the first annual Insulator show for Delaware. The show is scheduled for April 29. EIC club members are welcome and will receive a reduced table rate for the show.

Plans are underway for our annual fall show and swap meet. We are working on guidelines for various categories and are open to suggestions for making this the best show yet. Copies of the changes by Mr. N. R. Woodward in the CD numbering system are available from the Club. Please contact Jim Barron.

The Club has a commitment to the "SLUSH" fund for information leading to the arrest and conviction of the person or persons responsible for the appropriation of J. Paul Kelly's collection. We encourage the added support of Club membership in Paul's efforts to recover his collection. Please let our Secretary, Peg Hotton, know if you can support our efforts.

The Eastern Insulator Club was organized to provide a common communications link between insulator collectors in the East and elsewhere in the country.

We're pleased to report as of this writing that the EIC has 95 members from 21 states and the District of Columbia.

Members of the Club receive certain benefits which are of invaluable assistance to both advanced and beginning collectors. Such benefits as a club direct-

ory (two issues per year), reduced admission and table fees at all Club sanctioned shows, book discounts, advertising discounts and first hand information on recent developments in our hobby are among a few of the advantages offered.

The Club constitution provides for the establishment of individual state chapters when a state has ten (10) or more members. Virginia and Maryland have already qualified and New Jersey is almost there. State chapters may elect their own Vice-President, who automatically becomes a member of the Executive Board, and thus has a voice in the future of the Club's direction. Each state delegation is in need of your support so that we can plan for the expansion which our hobby is now ready for. You can contact Jim Barron for further details.

We would like to extend our congratulations to CROSS ARMS on their first anniversary celebration and wish them continued success in the years ahead. As our hobby continues to grow we anticipate a growing dependence on CROSS ARMS as our official spokesman.

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Sept. 14, 1894--The wind blew down a tree in Cumberland County, Maine. The tree was the first telegraph station in the U. S. It was used by Morse and Smith while experimenting with the telegraph during its development.

Morse tried at first to rent a barn from a farmer but the superstitious New Englander would have no parts of it. Public pressure from the people forced Morse to run his lines in underground conduit to a distant tree. The farmers felt that aerial wires attracted evil spirits.

## RAMS HORNS ON THE PRR

Excerpt from the W. B. Wilson's "From the Hudson to the Ohio, 1902".

"In 1856, the PRR had completed its line of track from Harrisburg to Pittsburg and constructed track from its own line of telegraph through to Philadelphia.

Prior to 1855, the PRR used the wires of the Atlantic and Ohio Telegraph Co.

Jan. 1, 1855, the PRR had constructed and put into service, the first division of its independent line between Pittsburg and Altoona.

The second division between Altoona and Harrisburg was completed by Jan. 1, 1856.

The last division from Harrisburg to Philadelphia was completed April 1, 1856.

The line consisted of poles with double cross-arms and iron bound, paraffin-covered, glass insulators, carrying a single No. 9 galvanized wire. Its total cost was \$45,198.03 or about \$128 per mile."

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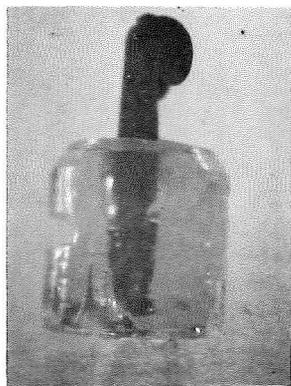
"There were no tie wires and when the line wire broke, it would slide through the holes in the insulators for nearly half a mile." A quote from John Emerick to the "Telegraph Age" 1896, as he recalled some of the problems of 1862 telegraph maintenance.



These two pictures are full size. They are a front view and a top view of the Seiler Patent Insulator. It is similar to a CD 130. Embossing F: SEILER; B: DEC 19, 1871 & Feb 6, 1877. Five of these pieces were found in California about three years ago. 1 mint, 1 nm, 1 had 1/3 missing and 2 were barely recognizable. All were lt. aqua except this one. It is dark crystal green. Information courtesy of Bob Wilson of Philadelphia, PA.



left: CD 134 purple embossed B G M CO. from Gary Hill of Toledo, Ohio. right: CD 127 (aqua) rim embossed: H. Brookes Pat. Jan 25, 1870 from Bob & Carol Meszaros of Titusville, NJ. (note: Jan 25, 1870 H. Brookes was granted a patent for a method of forming threads in glass insulators.)



left: CD 532 (amber) embossed HEMINGRAY MADE IN U. S. A. from Roy Licari of Washington, D. C. right: an aqua unembossed Lefferts or Brooke patent from Paul Simpson of Clymer, PA.

## THE FIRST TELEGRAPH

Samuel F. B. Morse, a young American artist was returning from Europe aboard a packet ship named Scully. During the trip (October, 1832), he was introduced to the "electro-magnet" by Charles Thomas Jackson. The electro-magnet was a European invention and considered a toy by most people.

A segment of Morse's background which included an electrical course which he took in 1827 helped him to recognize the potential of the electro-magnet and by the end of 1832 he had recorded in his notes most of the essential telegraph theory.

The first telegraph receiver was not a small simple machine as most of us tend to picture it. It was an elaborate clock work type machine which not only sounded the dots and dashes, but also recorded them on paper. An example of its size--"the coils on the first telegraph receiver weighed 187 lbs each."

From 1832 until 1837, Morse experimented with, and perfected his idea. He was assisted by Prof. Joseph Henry Jackson and Alfred Vail. Prof. Jackson helped with mechanical problems. Vail helped Morse financially. Alfred Vail is also credited with perfecting the dots and dash system known as the Morse Code.

In 1837 Morse filed for a patent with the U. S. Patent Office. He also traveled to England and France in an attempt to get patents there but failed in both countries.

In March, 1843, Morse received a \$30,000 grant from Congress to be used to build a "telegraphic link be-

tween Baltimore and Washington, D. C." Morse was the Superintendent with a salary of \$2,500 a year. Alfred Vail was his assistant at \$3 a day plus expenses.

Vail started building the line using underground lead conduit and cotton covered wire ( a European method). This failed because of poor insulation. Vail then took Morse's advice to use poles with wires strung overhead.

Ezra Cornell (founder of Cornell University) received the contract to erect the poles and string the wire. "Cornell belted the last insulator at Mount Clare in Baltimore on May 23, 1844."

"A Grove battery of 100 cups" provided the power the next day to send the famous message "What hath God wrought."

- Foot notes:
1. All the information including quotes were researched from "Telegraph Age" 1892 and 1893.
  2. The money Ezra Cornell received from the Morse contract started his fortune.
  3. The fact that Morse was refused patents in England and France points to the controversy among countries and inventors as to who truly invented the telegraph.



LIST OF EMBOSSINGS:

Front: HEMINGRAY NO. 2 PROVO TYPE

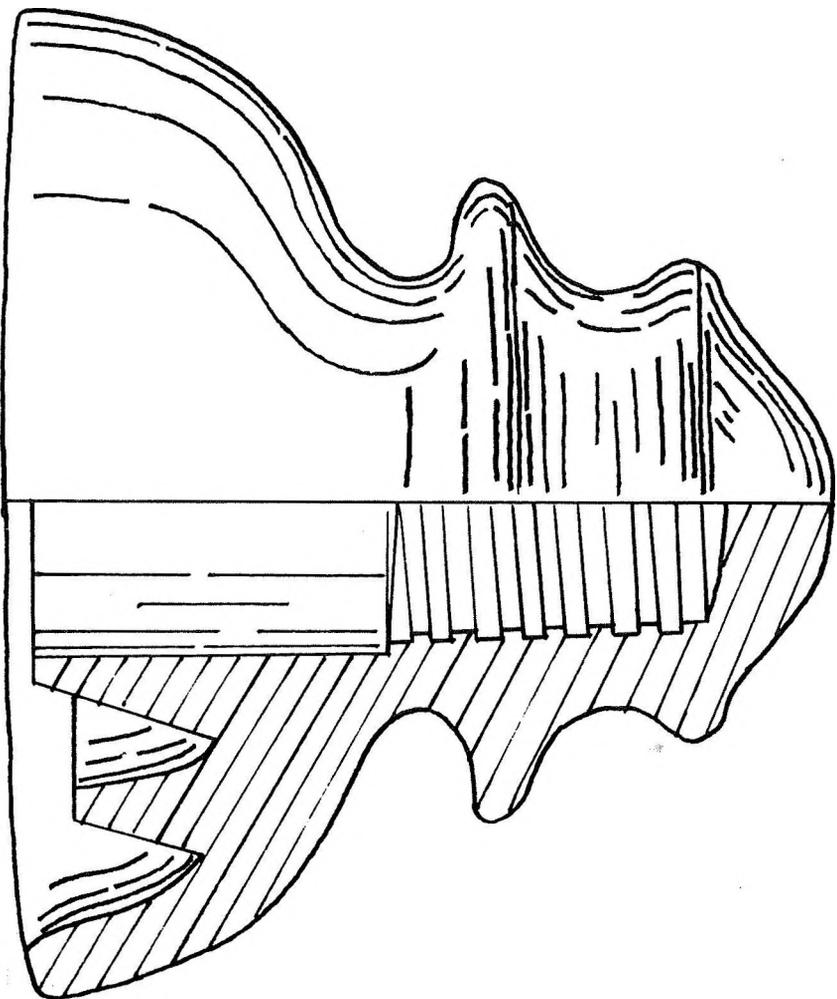
Back: PATENT MAY 2, 1893      Drip points.

Front: KNOWLES 5 1/2

Back: BOSTON.      Smooth base.

Front: Prism.      Smooth base.

Old Provo type. Drip points.



CD 282



## RODNEY WING'S SLUSH FUND

As of January 18, 1973, the following collectors have contacted Rodney Wing and have given him a pledge letter for the "SLUSH FUND", established for the arrest and conviction of persons connected with the J. Paul Kelly insulator robbery.

- \$50...Rodney Wing, 28439 Rosslyn, Garden City, MI 48135.
- \$50...John Hall, 2640 Old Forge Rd., Apt. D, Columbus, Ohio 43209.
- \$50...Gerald and Esta Brown, Drawer #1, Two Buttes, Colorado, 81084.
- \$10... L. L. Linscott, 3557 Nicklaus Dr., Titusville, FL 32780.
- \$10... Eastern Insulator Club, 6815 Darby Lane, Springfield, VA 22150.
- \$10... Roy Galloway, 105 Harkins Dr., Winchester, KY 40391.
- \$10...CROSS ARMS Magazine, 367 Signal Hill Road, King of Prussia, PA 19406.
- \$10...Robert Kobbe, Rt. 6, Connersville, IN 47331.
- \$10...George Bikas, 435 55th Ave., Merrillville, IN 46410.
- \$10...M. & E. Dutcher, RD #3, Cortland, NY 13045.
- \$10...Robert Winkler, 4053 W. Dunes Hwy., Michigan City, IN 46360.
- \$10...W. E. Hetteroth, 37 Lakeside Dr., Bridgeton, NJ 08302.

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\$240 Total pledged.

We will keep you informed on the progress of the "SLUSH FUND" every month.

## MARKET NEWS

"COLLECTIBLE PORCELAIN INSULATORS" Second Edition-by Gerald Brown of Two Buttes, Colorado.

This soft back, ring bound book is 8 1/2" X 11" and contains 169 pages. The book lists over 700 insulators sketched (some pictures) along with their descriptions, prices and information. All drawings are 1/2 size unless noted. Included are some 50 excerpts and sketches from the U. S. Patent Office Gazette.

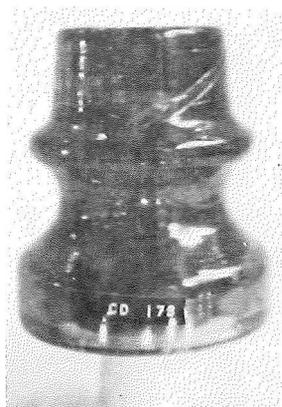
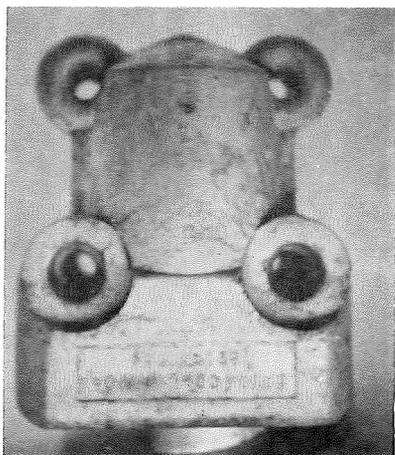
Mr. Brown makes good use of the index. In it he lists almost 100 different insulator company names and assorted nicknames.

In my opinion his pricing method is questionable and I don't agree with his numbering system but all told-- the book does serve the purpose of educating the collector and exposing him to different shapes, colors and embossings that he can set his sights on.

I must compliment Gerald because rather than publish a supplement to his first book, he decided to combine his first book along with all the new information he has come up with, and publish this complete book "COLLECTIBLE PORCELAIN INSULATORS" Second Edition.

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William McLaughlin of Gardenia, California, is making some threadless insulators. We have no word as to how he is going to sell them yet. Nor do we know the color or embossings. We will keep you posted to future developments. --information courtesy of Frances Terrill.



left: an unglazed white porcelain fuse holder nicknamed "teddy bear": embossed: P & S NO. 139 1/2, PATENTED JAN 18, 1899 from Peg Hotton of Rockville, MD.  
 right: CD 173, dome embossed (on the flat) BROOKFIELD, from Larry Foehrenbach of Indiana, PA



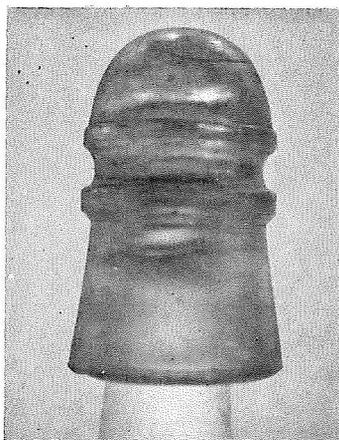
left: CD 444 nickname "Twin pin" embossed PATENT APPLIED FOR, from Marion Milholland of Sequim, WA.  
 right: a Spanish insulator embossed: E. S. A. It has American stlye threads from Bill Cosner of New Hope, PA.



CD 286 Locke "flat top" embossed: (B) May 22-96, Nov 24-96, Dec. 15, 96 Sept 28, 97 June 7, 98 (F): F. M. Locke Victor NY from Hank Hallam of Drexel Hill, PA.



left: CD 458 (aqua) Boston screw top inner skirt embossed BOSTON BOTTLE WORKS PATENT APPLIED FOR from Peg Hotton of Rockville, MD.



right: CD 105 American rim embossed PAT SEPT 13, 81 from Bob Wilson of Philadelphia, PA.

## PATENT INFORMATION

SAMUEL OAKMAN Patent No. 304,748, Sept. 9, 1884.

Be it known that I, Samuel Oakman of Melrose, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Molds for Making Glass Insulators....

My invention relates to the method of withdrawing the "screw points" of an insulator-mold, the object being to so construct the point that it will make a full screw and be collapsible so that the point may be withdrawn without turning it.....

Fig. 4 is a section of an insulator with the hinged part of the core collapsed ready for withdrawal....

Editor's note: This patent by the "father of the insulator," Samuel Oakman is undoubtedly the method that American Insulator Company used to thread their insulators. I've seen several Americans that actually show the hinge bolt mark inside the pin-hole.

Why the American Insulator Company only used this particular threading style instead of full threads is still an unanswered question.

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Article from "Telegraph Age" Feb. 1898. Gutta-Percha is produced from the sap of the Isonandra-Gutta, a large forrest tree growing on the Malayan Peninsula. Presently used as an electrical insulator.

S. OAKMAN.

MOLD FOR MAKING GLASS INSULATORS

No. 304,748

Patented Sept. 9, 1884.

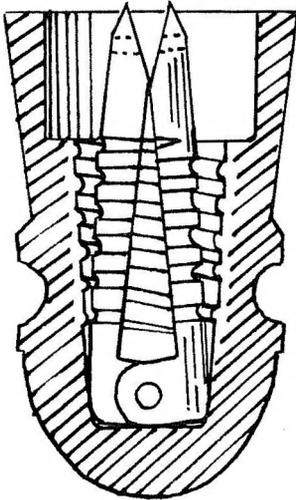
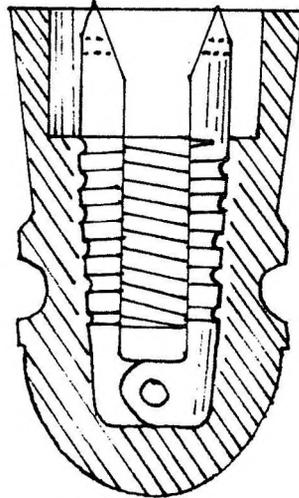


Fig. 4.



WITNESSES

*Frankly. Parkes*

*Frederic M. Ferguson*

INVENTOR

*Samuel Oakman*

HOMER BROOKE Patent No. 154,541, August 25, 1874.

Be it known that I, Homer Brooke, of New York, in the county of New York and the State of New York, have invented certain new and useful Improvements in Insulators....

It consists of an insulator made of a single piece of glass, and provided upon its top with projecting lugs or ears, under which the telegraph-wire is held in grooves. These ears each have a small groove under them, and these grooves are not on a straight line with each other, so that, as the wire is passed into them, it is curved or crimped to prevent its slipping longitudinally through the same. In addition to the ears or lugs upon the top, my insulator is provided with the usual circumferential groove near the top...

...It will effectually hold the main wire without the time, trouble, and expense of tying the wire thereto (as is now done) by means of an additional piece of wire...

Fig. 1 represents a side view, and Fig. 2 a plan view.

... These ears are not all formed on the same side, and the ends of those on the one side project beyond the ends of those on the other side...

Editors note: This Brooke patent of 1874 is a twin brother to the Harloe Patent of 1899.

H. BROOKE.

Telegraph Insulator

No. 154,451.

Patented Aug. 25, 1874.

Fig 1

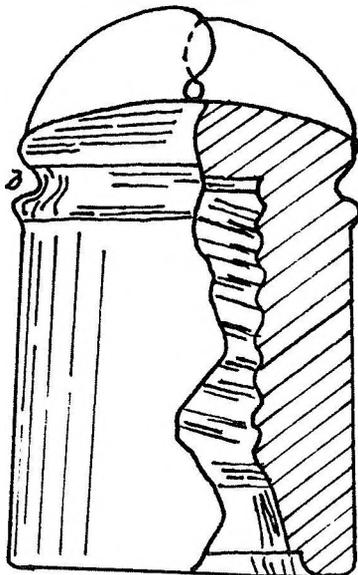
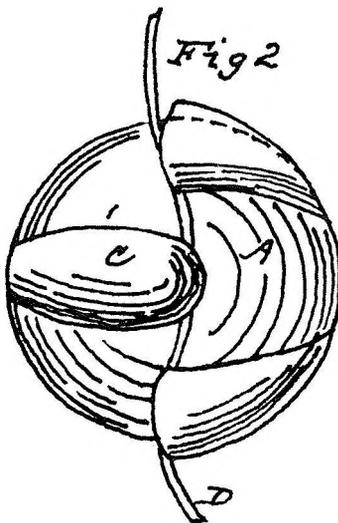


Fig 2



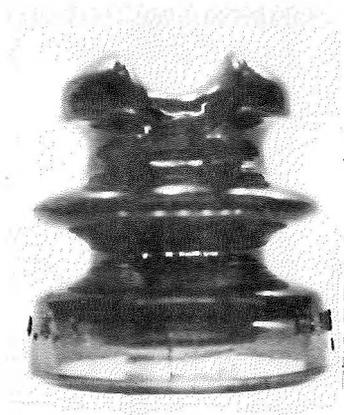
INVENTOR

Howen Brooke.

Alexander Stuart

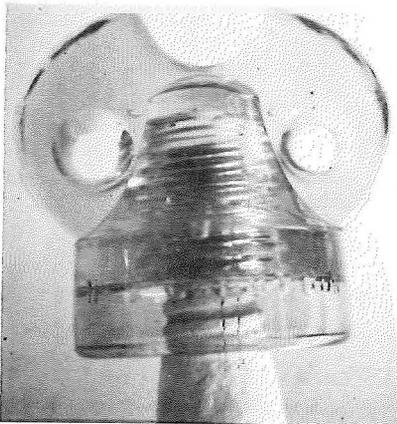
Attorneys.

WITNESSES  
Frank L. Durand.  
Chas. L. Cwert.

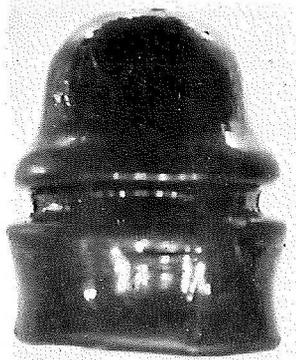


left: a CD 219 (amber) embossed: HEMINGRAY 66  
from Roy Licari of Washington, D. C.

right: CD 443 (aqua) rim embossed: PAT'D AUG  
19, 1896 from Steve Freedman of Wallingford, CT.



left: CD 262 embossed NO. 2 COLUMBIA from  
Joseph Dally of Monroe, NY; right: CD 113 purple  
no embossing, a series of dots around skirt (nick-  
named braille) from Mike Evanko of Stradford, CT.



left: CD 284 embossed FLOY from Bob & Carol Meszaros of Titusville, NJ.

right: amber (no name) CD 729 threadless from Charles Hall, Jr. of Milford, DE.



left: CD 164 purple embossed: PETTICOAT.

right: CD 121 (aqua) rim embossed: STANDARD GLASS INSULATOR CO BOSTON, MASS. Both of these pieces are from John Slagle of Parker, PA.

## CLASSIFIED ADS

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STOP, LOOK, AND LISTEN. The Eastern Insulator Club is looking for new members. For information write: Jim Barron, 6815 Darby Lane, Springfield, VA. 22150

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### TELEGRAPH BOOK

History, Theory and Practice of the Electric Telegraph". The original copy of this book was first printed in 1860 by George Prescott, Superintendent of Electric Telegraph lines. Over 500 pages of information on the telegraph and many illustrations of early telegraph equipment. This book also contains two sections with information and illustrations of early telegraph insulators. Reprints of this book \$7.50 each. P.P. Frank Jones A10, Box 73, Highway 25, Cottontown, Tenn. 37048.

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### ALL COLLECTORS NOTICE

Reprinted from Vol. IV, No. 10, APPLIED SEALS, a newsletter printed by the G. V. B. C. A. of Rochester, NY. Someone is removing threads from insulators, apparently by some machinery technique. The insulators I saw were a CD 127, WUT, Cauvets and two CD 133 Brookfields, 45 Cliff St. In each case, you could see the distinct, circular patterns left by machinery; also, the glass surface of the pinhole was far more translucent than normal, close to opaque.

Pete Samiec  
19 Hemlock Terrace  
Northville, NY 12134

The M-T Bottle Collectors Association of Volusia County, Florida, announces their 3rd annual antique bottle and insulator festival, featuring bottles, insulators, and related collectible items.

Two big days: Saturday, March 31st and Sunday, April 1st, 1973. It will be held at the Volusia County Fairgrounds, just east of Deland, Florida, at the intersection of interstate-4 and Florida-44. There will be prizes for the 3 best sales tables voted by dealers.

6 foot tables--\$5.00 for 2 days. For information contact: M-T Bottle Coll. Assn., P.O. Box #1581, Deland, Fla. 32720 (904)734-8865.

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WANTED- Denver insulators CD 162 GOOD-162 W.F.G. CO. (purple) or any in clear, yellow straw, lite green. Also California in CD 200 and 259-260-178 Santa Ana S. C. A. Walter Eriksen (CA), 2118 S. 50th Ave. NE, Puvallup, WA 98371.

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Huge list of insulators and lightning rod balls for sale. SASE Paul McManis, (CA) Route 1, Box 116 Excelsior, MINN. 55331.

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SALE or TRADE--No. 4 CABLE, No. 3 CABLES, CD 150 "Spiral", CD 260 Star, CD 252 GAYNER, CD 257 "Peacock", CD 138 National, CD 263 COL - UMBIA-green, CD 134 BGM-, All mint or V. N. M. Ell Bennett, 59 Castle Lane, Milford, Conn. 06460.

FIRST STATE INSULATOR SHOW & SALE  
CONVENTION HALL - REHOBOTH BEACH, DEL

APRIL 29

half tables \$5.00

full tables \$8.00

Dealers set up 6-9 a. m.

Open to public 9 - 5

\*Ribbons

\*2-custom  
plaques

\*Door prizes

\*Breakfast  
and

Lunch

available

100 TABLES

(2 1/2 X 8)

Marion Tull, Jr.

Box 302-Rt. 1

Seaford, DE 19973

Ph. (301) 754-9290

for more

← information →  
contact

Charles Irons, Jr.

#3 Elizabeth St.

Milford, DE 19963

Ph. (302) 422-5712

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I have for trade: Whitall Tatum & Armstrong 511U's; W-T 512U's. Looking for Locke's, but will consider others. Write Don Fiene, 1102 E. 10th St., Jeffersonville, IN 47130.

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CASH for rare insulators. Unusual shapes and colors, threadless, cobalt, etc. Paul Kelly, 401 National Bank Bldg., South Bend, IN 46601.

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FOR SALE OR TRADE: One only U-980 N.M. ? Elliott (Flint) threadless. Page 149 Gerald Brown's new book, Page 222 Jack Tod's Supplement A. Will consider serious offers of cash or better glass insulators. We need for our collection. M. & E. Dutcher, R.D. #3, Cortland, New York 13045. Ph. 1-(607) 838-3447.

Insulators for sale at realistic prices- Please send large SASE for new list. Some porcelain, mostly glass. Good variety available. Wanted: Base rim embossed, lightning rod insulators & threadless. Prefer to trade but will buy if no trade possible. Phil Harding, George Street, Mendon, Mass. 01756.

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## **MOST ABOUT GLASS INSULATORS—REVISED**

**By Milholland**

2000 Glass Insulators described in complete detail. Hundreds of full size photos and machine drawings listed with Consolidated Design numbers for pin type and threadless insulators. Historical information of real interest. Complete production record of many insulators. Stories by the top authorities in the Telephone and insulator world. This 264-page hard cover book together with the 1973 suggested price list \$10.00 Post Paid.

ALSO

## **THE FAVORITE MILHOLLANDS No. 2 BOOK**

Milhollands Glass Insulator Reference Book No. 2— Nearly 700 insulators described. Full size photos and machine drawings. Paper back book. Complete with 1973 Suggested Price List. For the beginner a must. \$4.50 post paid.

1973 Suggested Price List, separate, \$1.50 post paid.

These books from your dealer or order direct.

Marion Milholland, Rt. 2, Box 368  
Sequim, Wash. 98382

FOR SALE OR TRADE- CD 117 &, aqua \$45- CD 425  
A. U., aqua \$20, CD 134 OVG Co., aqua \$45- CD 161  
star, sdp, aqua \$20 - CD 164 star, sdp \$30 - CD 200  
star, aqua \$45- CD 259 California, yellow \$74 - CD 145  
H. G. Co, yellow amber \$50 - CD 145 H. G. Co., lt 7 up  
green \$30 - CD 164 H. G. Co., jade milk \$20 - CD 187  
Greeley, NY, aqua \$200. G. Hill, 1949 Marlow Rd.,  
Toldeo, OH 43613.

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FOR SALE- CD 145 N. E. G. M. aqua mint \$4: n. m.  
\$3, O. V. G. \$5. Hawleys \$5. No embossing, straw \$3.  
Brookfield \$1.50. H. G. \$1.50. 143 Canadian Pacific  
\$4. 252 Maydwell 62 yellow \$15. lite s. c. a. \$25.  
McLaughlin 62 green \$10. American 3 pat. dates, blue  
\$10. 164 Maydwell 20 smoke & straw \$1.50. 164 Mc -  
Laughlin 20 green, blue \$1.50. 162 McLaughlin 19  
green \$1.50. Postage extra. Walter Erikson, 2118  
50th Ave. NE, Puyallup, Washington 98371.

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CHICAGO DIAMONDS \$40 mint, Consider trades on bet-  
ter glass. Jim Sanders, 601 Shady Ln., Ojai, Calif.  
93023. (805) 646-4573.

PORCELAIN INSULATORS GUIDE BOOK  
FOR COLLECTORS, a comprehensive original  
research book and complete collector's reference for  
unipart pin type porcelains. Universal Style Chart  
with scale drawings of every unipart pin type shape,  
manufacturer's markings, pricing guide, company his-  
tories, etc. The standard for collectors and mail  
traders. Hardbound, 206 pages, \$10 postpaid. Also  
1972 Supplement, \$1.95 postpaid. Jack H. Tod CA,  
3427 N. 47th Place, Phoenix, Arizona, 85018.

8 A.M. - 6 P.M.

SECOND EASTERN

NATIONAL

INSULATOR MEET

APRIL 14 & 15

ITHACA, N.Y.

HIGH SCHOOL CAFETERIA

Reservations needed by April 10, 1973

Set up time will be Saturday morning at 7 AM

Tables are approximately 6' X 30" - Room for 75-80 tables

There will be a section for DISPLAYS ONLY - limited space - so first come first served - (You will be responsible for your own displays during the day) All collectors will vote on ribbons to be awarded.

Table prices are: \$15.00 per table for both days

(if you wish a table for only 1 day - it will still be \$15.00)

PLEASE REMIT CHECK OR M.O. FOR TABLE SPACE WANTED WHEN SENDING IN CONTRACT. SORRY, NO REFUNDS WILL BE MADE DUE TO EXPENSES.

There will be a security guard Saturday night.

There will be a small lunch counter & door prizes will be given each day.

Public admission 50¢ for those 6 and over. Door open to public at 8 AM.

THERE WILL BE A BUFFET SUPPER SATURDAY NIGHT, FOR ALL THOSE WHO WOULD LIKE TO GET TOGETHER - Price is \$3.75 - payable At the Restaurant!

FOR FURTHER INFORMATION OR CONTRACTS, PLEASE CONTACT: BRAD & NANCY COOK, 507 RIDGE RD., Ludlowville, N. Y. 14862. Phone: (607) 533-7515.

ATTENTION: Jack Tod will be attending the show.

FOR SALE: CD 100 SURGE, mint, \$2.50 each, 10 for \$20.00; UNIVERSAL "Fireplugs" in all three sizes, 1001, 1002, 1003, NM, \$12.50 each. Prices include postage. Mrs. Howard Coon, Route 3, Box 83A, Bellevue, Iowa 52031.

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FOR SALE: Brooks, Tillitson threaded, threadless ECM's, Chicagos etc. Over 200 on list available for SASE. Jack Riesselman, 736 S. 45th, Lincoln, Nebr 68510.

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DAMAGED GLASS WANTED. I would like the following pieces of glass one-third to two-thirds complete for specimens for private collection: CD 700, CD 718 CD 719, CD 738, CD 739, CD 741, or any slotted pin types. Will answer all correspondence. Please state condition and price. Richard Larson, Box 355, Drummond, Montana 59832.

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1973 Specials: Hemingray 25, aqua \$10.00; Hemingray 55, aqua \$5.00; D-512 carnival (real good color) \$20.00; Manhattan, blue (small base chip) \$20.00; 1003 fireplug (largest style) \$12.50; 1002 fireplug, \$5.00; electric blue (nm) Mickey Mouses \$9.00; No. 3 Cable, aqua \$22.00; Green Glass(French) sombero metal on \$4.00; 54 A/B two piece SCA transposition \$35.00; porcelain fogbowl, gray \$6.00; Brookfield transposition \$10.00; Gaynor 530, aqua \$12.50; 7 up green Hemingray #9 \$6.00; Private Issue No. 2 Columbia \$20.00 and \$10.00; Hemingray 62 Cable, aqua \$6.00; Tatum 512U, dark amber \$4.00; Porcelain cutter \$30.00; unembossed 100 Cable (rare) nm \$40.00; Milholland's latest hard back book \$10.00. All above mint or vvvnm plus postage. L. Veneziano, 8310 Center, Rivergrove, IL 60171.

\*\*\*\*\*  
 \* HOOSIER INSULATOR COLLECTORS \*  
 \* SPRING SHOW: SWAP SELL TRADE AUCTION \*  
 \* Putman Co. Fairgrounds Greencastle, Indiana \*  
 \*  
 \* April 28-29 8 a.m.-6 p.m. Auction Sun. 1 p.m. \*  
 \* Tables 1 day \$ 8.00 Admission 50¢ \*  
 \* 2 day \$15.00 BOTTLES WELCOME \*  
 \* For more information contact: \*  
 \* Dean J. Schlatter R. R. 1 Box 110 \*  
 \* Reelsville, IN 46171 Ph. (317) 672-3237 \*  
 \*\*AD By COMMERCIAL HOTEL GREENCASTLE, IND\*\*

"Hot Cross Bun", no name, CD 141, aqua--\$8.00 vnm;  
 CD 125 Hemingray WU-5 Pat. May 2, 1893, aqua, vnm-  
 \$7.00; CD 152 California, med to lt. SCA, vnm-\$5.50;  
 CD 112 California, med & lt. SCA, vnm-\$14.00; CD 208  
 California, SCA, mint-\$33.00; CD 162 KCGW, aqua,  
 vnm-\$14.00; CD 202 K, smooth base, aqua, good, dis-  
 plays vnm-\$15.00; CD 202 Hemingray 53, aqua, mint &  
 vnm-\$8.50; CD 230 Hemingray Lowex D512, amber,  
 vnm-\$6.00; CD 143 faint Canadian Pacific Ry. Co. under  
 horiz. ridges to wire groove, vertical ridges groove to  
 crown, aqua, nm+-\$47.00. Plus Postage & insurance  
 please. Allan Beck, Box 245, Ashaway, RI 02804.

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FOR SALE: CD 190/191 PRR, aqua, \$130;  
 CD 261 CABLE, aqua, \$20.00; CD 145 H.G. CO. Jade  
 milk and milk swirls, \$6.00; CD 259 CABLE, aqua,  
 \$8.00. Postage and insurance extra. Ed & Jeannie  
 Szymala, J-137 Belmont Plaza Apts., King of Prussia,  
 PA 19406.

6. In order to keep CROSS ARMS up to date we would like all reports on shows and swaps sent in no later than 45 days after the show has taken place.

ADVERTISING RATES:

DISPLAY ADS:

1/4 page - \$5.00 per issue  
\* \$12.00 per three issues

1/2 page - \$10.00 per issue  
\* \$25.00 per three issues

Full page - \$18.00 per issue  
\* \$45.00 per three issues

\$.05 per word (minimum \$1.00). The closing date for material will be the 15th of the month preceding the month of the issue.

Ads received too late for the deadline will be run in the next issue.

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CROSS ARMS encourages want ads that list the value of the insulators advertized so any ad listing 10 or more insulators with prices will receive an additional one month's free exposure.

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**CROSS  
ARMS**

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King of Prussia, Pa.  
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