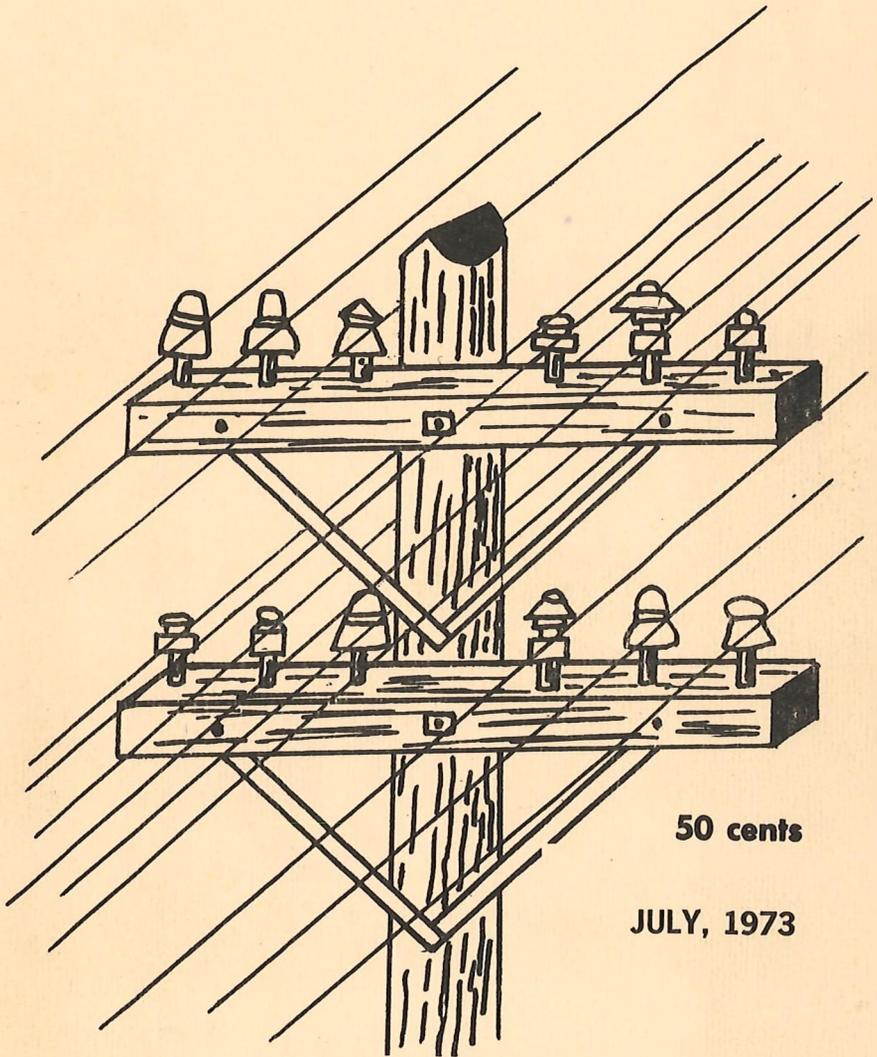


CROSS ARMS

an
insulator collectors'
magazine



50 cents

JULY, 1973

367 Signal Hill Road
King of Prussia, Pa. 19406

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

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 Insulator
Collector's Magazine

Vol. 2, No. 6

July, 1973

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

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SHOWS AND SWAPS

JULY 7-8

Hutchinson, Kansas

4th National Insulator Show, Sports Arena. Info: Thomas D. Wolfe, Box 190, Auburn, NB 68305; or George Phillips, Box 1791, Hutchinson, KS 67501.

JULY 14-15

Petoskey, Michigan

Northern Michigal B. C. Show & Sale at the Jr. High School, Michigan St. Info: Bob Bernhardt, Rt. 2, Harbor Springs, MI 49740.

JULY 14-15

Eureka, California

8th Annual Humboldt Antique Bottle Collectors Show & Sale, (Bottles, insulators, relics). Info: P. O. Box 6012 Eureka, CA 95501 (707) 442-8726.

JULY 21-22

Salt Lake City, Utah

Utah B. C. Show & Sale, Prudential Plaza, 33rd South State St. Info: Ben Constantino, 1762 So. Main, Salt Lake City, Utah 84115.

JULY 29

Cobleskill, New York

Bottle Show & Sale at the V. F. W., Info: Larry Tyrell, R.D. 1, Cobleskill, NY 12043.

AUGUST 4-5

West Sacramento, California

Greater California Historical Bottle Club Show & Sale, El Rancho Convention Center, 1029 West Capital Ave., Info: Duke Jones, P. O. Box 55, Sacramento, CA 95801.

AUGUST 4-5

Callanwolde, Georgia

Southeastern B. C. Show. Info: P. O. Box 657, Decatur, GA 30031 (404) 366-2839.

AUGUST 10-11

Belfast, Maine

Dirigo Bot. Col. Club of Bangor, Maine and the Mid Coast Bottle Club of Thomaston, Maine, Show & Sale. Info: John Poor, P. O. Box 104, Kenduskeag, ME 04450.

AUGUST 11-12

Fresno, California

Collectors Jamboree, Junion Exhibit Bldg. Info: Bill Heitkotter, 35 E. Cornell, Fresno, CA 93705 Ph. (209) 224-1478.

AUGUST 18-19

Stockton, California

National Avon B. & C. Club, Show & Sale, Stockton Ballroom, 9650 Thornton Rd. Info: Hollis Hanson, Jr., 350 E. Varrar, Fresno, CA 93704 (209)227-4886.

AUGUST 25-26

Denver, Colorado

Mountain States Insulator, Bottle & Collectibles Show & Sale. Info: Michael Bliss, 4640 E. Asbury Circle #22, Denver, CO 80222 (303) 778-1765.

SEPTEMBER 1-2

Hutchinson, Kansas

Insulator, lightning rod ball & bottle and collectors show, Sports Arena. Info: George Phillips, Box 1791 Hutchinson, KS 67501.

SEPTEMBER 1-2-3

Bakersfield, California

2nd Annual Insulator Show at Bakersfield Elks Lodge Hall. Info: Chuck Henry, 7400 Pembroke Ave., Bakersfield, CA 93308. (805) 399-8892

SEPTEMBER 9

Alexander, New York

Western New York Bottle Collectors Sale. Insulators, lightning rod balls & bottles. Alexander Firemen's Hall, Rt. 98 & Rt. 20, Alexander, NY (near Batavia.) Info: Dennis Sobotka, 4316 Military Rd., Niagra Falls, NY 14305.

SEPTEMBER 16

Sellersville, Pennsylvania

Delaware Valley Bottle & Insulator Show & Sale at the V. F. W. Forrest Lodge on old Rt. 309. Info: Bob Essick, Box 19 Revere, PA 18953.

SEPTEMBER 23

Binghamton, New York

1st annual bottle & insulator show & sale, Masonic Temple, 66 Main St. Info: Chuck Purdy, 47 Dickinson Ave., Port Dick, NY 13904.

SEPTEMBER 29-30

Columbia City, Indiana

Hoosier Insulator Collector's Fall Show. Info: Paul Houpt, 211 S. Chauncey St., Columbia City, IN 46725.

OCTOBER 12-13-14

St. Charles, Illinois

2nd Chicago Mid-West National Insulator Show, Kane County Fairgrounds. Info: L. Veneziano, 324 Hawthorne Dr., Bensenville, IL 60106 (312) 766-3705.

OCTOBER 13

East Bridgewater, Mass.

8th Eastern Mass. antique bottle & insulator show & sale. Square Acres Dance Hall. Info: Fred Swiechowicy, 200 Warren St., Randolph, MA 02368.

NOVEMBER 4

Springfield, Virginia

Eastern Insulator Club presents its fall show in Springfield, Virginia. For information please contact: Jim Barron, 6815 Darby Lane, Springfield, VA 22150.

BROOKFIELD & HEMINGRAY vs BROOKE

Jan. 25, 1870, Homer Brooke was issued a patent to form threads in glass insulators wherein after placing the hot glass in a mold he would insert a smooth plunger into the molten glass (with a downward rotating motion). He would then withdraw the smooth plunger and insert a threaded mandrel (also with a rotating downward motion). After the piece cooled slightly, he would unscrew the mandrel producing a finished threaded insulator.

Jan. 3, 1870, Hemingray was issued a patent for a machine to form threads in glass insulators. The only difference between Brooke's machine and Hemingray's was that Hemingray eliminated the "rotating action" of Brooke's.

Due to an oversight at the Patent Office, both Brooke and Hemingray received a patent. This led to a legal battle over the patent rights. On July 3, 1873, a hearing was held. Brookfield, Hemingray and Brooke all testified. Some interesting statements that were given at the hearing were:

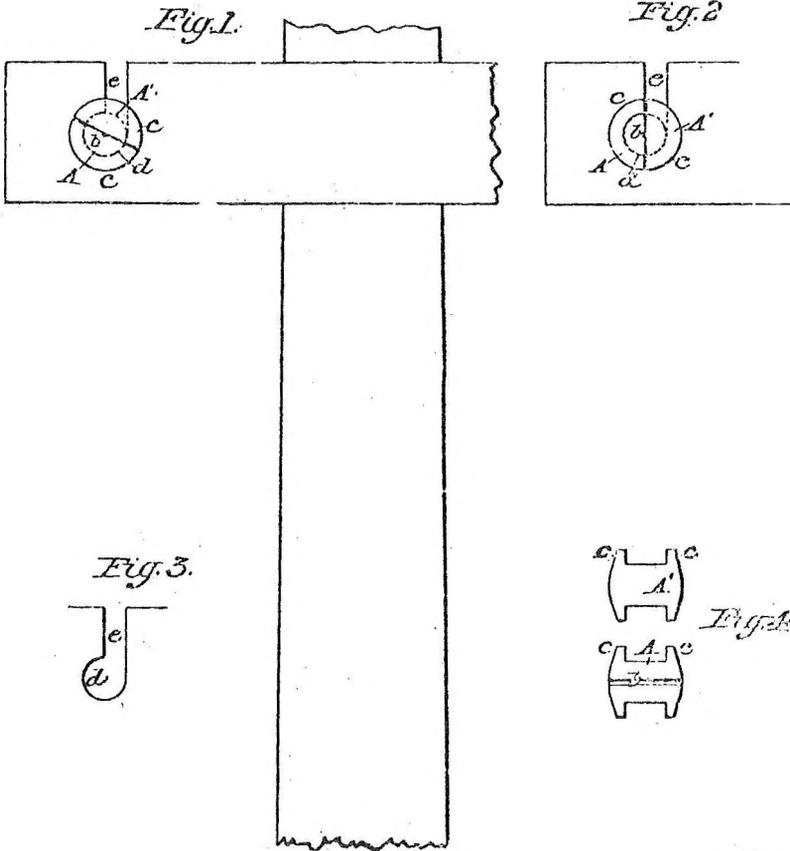
1. Brooke proved he was making swirl start threads in the winter of 1867 (experimentally).
2. In June of 1869, Brooke paid Brookfield a visit and demonstrated his machine--at this point Brookfield ordered a machine and had it delivered July 6, 1869 (Brooke made more machines for Brookfield at a later date.)

After the hearing, Mr. Leggett and the Board issued their statements. The Board ruled in favor of Hemingray but Mr. Leggett overruled them and awarded the Patent rights to H. Brooke.

D. W. TELLER & W. L. SAVAGE.
TELEGRAPH INSULATOR.

No. 70,132.

Patented Oct. 22, 1867.



Witnesses:
W. E. Coombs
W. Reed

Inventors.
D. W. Teller
W. L. Savage
Geo. Amos C. Ambler
W. L. Savage

Daniel W. Teller and William L. Savage, of North Greenwich, Connecticut assignors to themselves and W.H. Hoag of New York City. Letters Patent No. 70,132, dated October 22, 1867.

Be it known that we, have invented a certain new and useful Improvement on Telegraph-Insulators and mode of holding and securing the same.

Fig. 1 represents in elevation a telegraphic pole with cross-wire support attached, and glass insulator, constructed according to our improvement.

Fig. 2, a like view in part of the cross-support, with the insulator in a position that admits of its being removed and replaced at pleasure.

Fig. 3, a diagram of the slot and recess in the support for receiving and holding the insulator; and

Fig. 4, a longitudinal section of the divided halves or portions of the insulator detached.

The nature of our invention consists in a peculiar construction of the insulator in sections grooved to receive the wire in between and through them, and in a peculiarly-constructed slot and recess made in the supports which carry them, whereby increased facility is afforded for entering or taking out the wire and its insulators in their supports, and whereby the insulators may be readily locked in their bearings, and grasp the wire.

AA' represents a glass or other insulator, made in halves, either one or both of which may be partially or wholly grooved with a groove b. The body has heads or flanges c. The support of the insulator, which may be either of wood or metal, and be arranged either horizontally, vertically, or angularly is provided with a recess d. This recess d has a tangential slot, e.

What we claim as our invention is--the insulator constructed in section, to be inserted in an aperture by means of a slot provided in the latter communicating with said aperture for the purpose set forth.

Gene Bond's 1st Southern New Jersey Insulator Show was well planned, but not well attended. Partly contributing to this was the weather, which was fine for ducks, and the fact that it was a holiday weekend. Those that attended had a good time and were entertained toward the end by a light-hearted price war between two of the dealers. Even with the disappointing turnout some nice glass changed hands, and Gene guaranteed that next years show would be bigger and better. With Gene's hard work and a little luck we are sure it will be. Congratulations on a fine effort, Gene.

The 1st Pennsylvania show was a big success especially for a first show. There were about 40 dealers and about 50 tables piled high with glass. The show was also well attended. There were many of the club members there. Just about everything about the show was perfect. Ed & Jeannie Szymala did a fine job presenting it.

It's directory time again. The club is preparing to publish the membership directory sometime in July. Please advise the treasurer, Jim Barron of any changes or any additional information you want listed in the directory. We will print the following, if provided; name, street address, city, state, zip code, telephone no. (include area code), nickname, wife's name and specialty. The deadline for updating the information will be July 15, 1973.

Example: Robert Doe (Bobby) Wife-Jane
 19 Pole Road
 Glasstown, Anywhere 22150
 (703) 971-1647
 Speciality-Cables

The club now has a total of 165 members. If you know of anyone wanting to join, please give them the club's address.

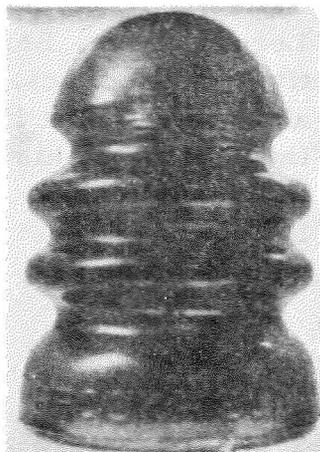
KNOW YOUR COLLECTOR

Collector of the month for July is John Bogan of 2 Leroy Avenue, Berlin, New Jersey. John is a relatively new collector. He has only been collecting for about 1 year, but like most beginners, John is deeply involved in the history and background of insulators. He enjoys trading and corresponding with other collectors.



John with his collection in the background.

Collector of the month.



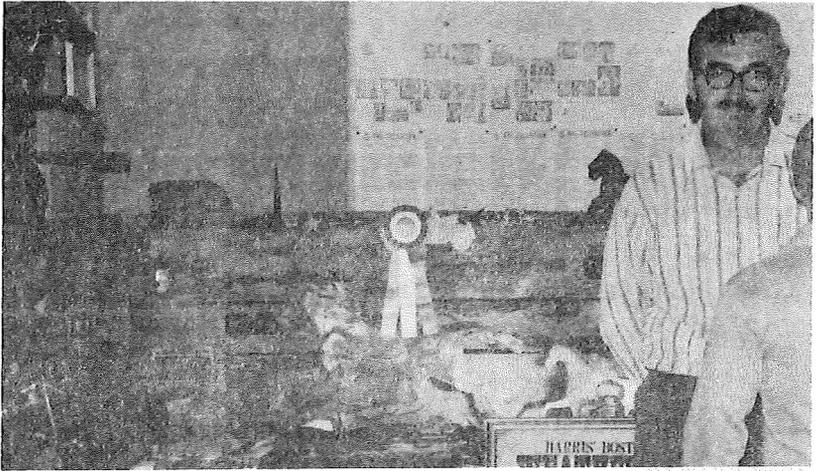
left: CD 106 embossed No. 9; middle, CD 210 Postal;
right: CD 205, Brookfield.



left: CD 202 embossed Fred M. Locke Victor, N. Y.
(B) No. 14 Pat. May 22, 1884; middle: CD 126, dome
embossed W. Brookfield, 45 Cliff St.; right: CD 151
dome embossed W. Brookfield New York.

WESTERVILLE, OHIO SHOW
by Ed Szymala

May 19, the Mid West Insulator Show and Swap meet was held in the Grange Hall at Westerville, Ohio. 52 tables were occupied by dealers & collectors. Since this show is one of the old established ones, most of the action took place among advanced collectors. Action was moderate, but many good to rare pieces exchanged hands.

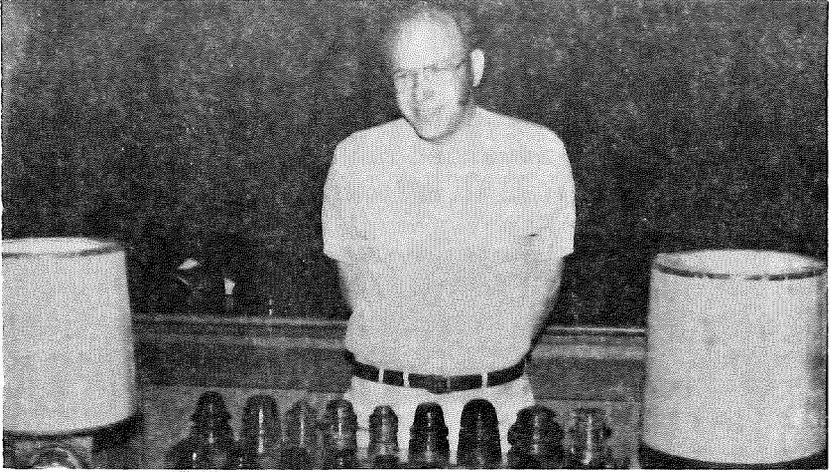


CROSS ARMS First Place, Jerry Turner of Goshen, OH.

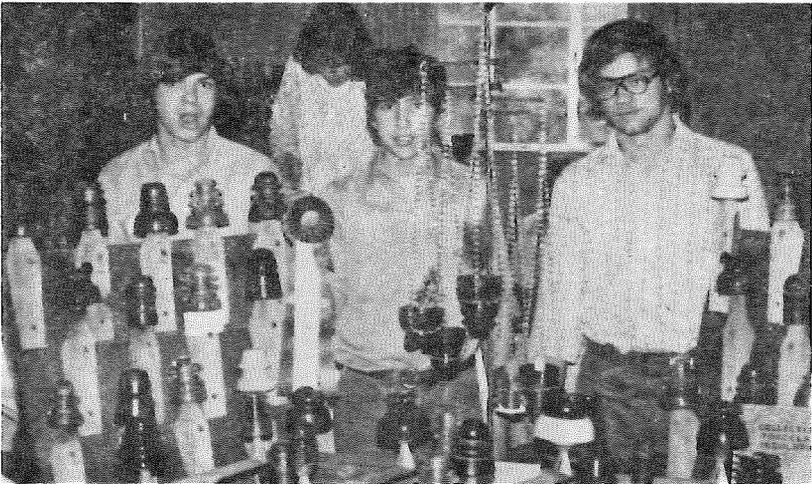


This is the "O'Brien's Patent", CD 119. Skirt embossed:
W. Brookfield N. Y. from Benton Ruppenthal of Parkersburg, West Virginia. 11

Westerville, Ohio Show.



CROSS ARMS Second Place, Don Bauman of Westerville OH.

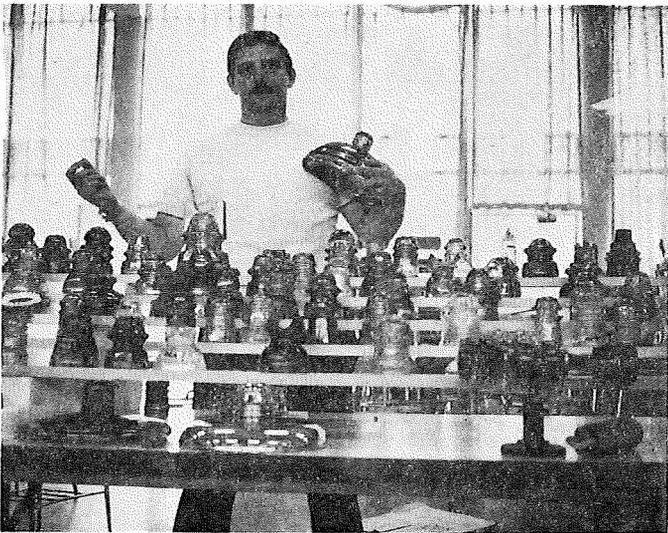


Grand Prize "Crown Jewels" and Gerald Brown's Porcelain Book, Dave Lewis.

FIRST S. N. J. INSULATOR SHOW

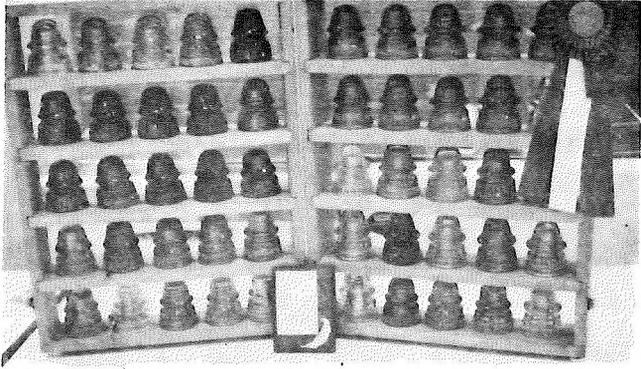
by Gene Bond

May 26, 1973, was the day that the first S. N. J. insulator show was held at Moorestown High School, Moorestown, N. J. The attendance was great for my first show. 161 people with 17 dealers setup. I had dealers from, Conn., Del., N. J., N. Y., Md., Pa., Mass., Va., and Wisc. Many good pieces went. I hope everyone enjoyed the show. Next year's is planned for May 25, 1974. The time for selling has been extended about 4 hours. I wish to thank all who came to the show and will see you all next year. Don't forget, May 25, 1974.

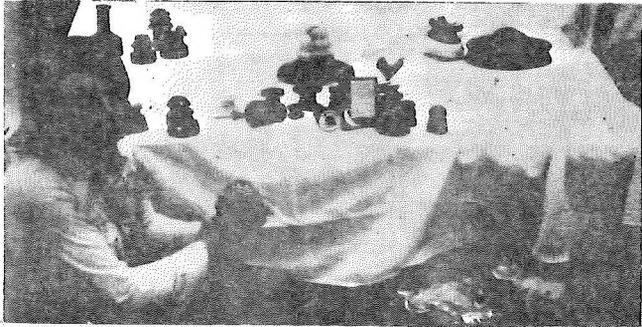


First Place CROSS ARMS went to Bob Wilson of Philadelphia, PA

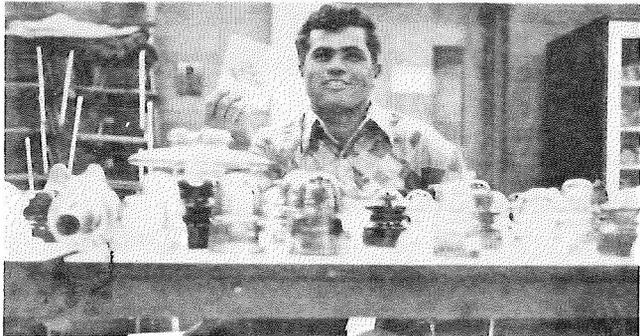
New Jersey Show.



Second Place CROSS ARMS and show plaque went to Jerry Wagner of Bergenfield, New Jersey.



Show plaque for Best in Porcelain went to show host, Gene Bond.



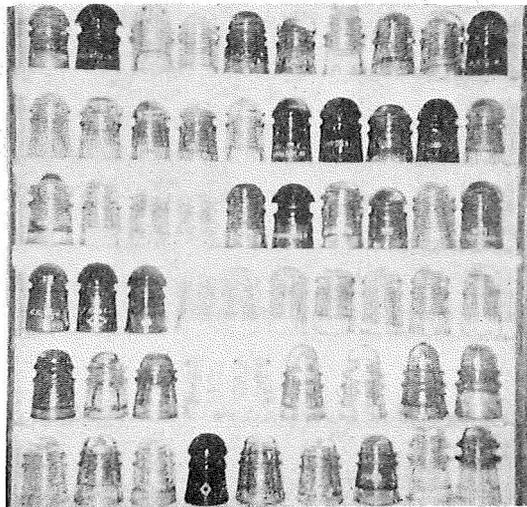
A gift subscription for "Most traveled miles" went to Isadore Lopez of Milwaukee, Wisc.

OJAI INSULATOR SHOW AND SALE
by Addie

The 4th annual Ojai Insulator Show and Sale was held May 12-13th in Ojai, California. About 20 dealers assembled in the Nordhoff Union High School auditorium.

There were 3 displays set up for viewing. The display belonging to Steve Crosson of California glass (ECM's, Cal. Elec. Works, CEW's) was not judged since he was one of the shows' sponsors. The Old Bottle Magazine award went to Paul and Tim Alleeson of Granada Hills and the Crown Jewels Grand Prize award to Bill Kemp of So. El Monte.

This is one show I'd recommend for several reasons (1) being held at a school, children had tons of room to play (2) no admission (3) coffee and donuts were served to everyone free, (4) everyone was relaxed and so friendly, (5) action was great! Ojai is north of Ventura on Highway 33. A show is planned for May '74 and is worth your attendance.



Crown Jewels, Grand prize winner, Bill Kemp's display of ponies.

Ojai Show & Sale.



OBX ribbon winners-Tim and Paul Alleeson.



A display of Calif. (ECM's, Cal. Elec. Works, CEW's)'
by Steve Crosson.

EARLY INSULATOR EXPERIMENTS

. with excerpts and sketches taken from "The Telegraph in America" by James D. Reid, 1886.

"It would have been contrary to average human nature, if California had neglected to exercise its genius in the matter of insulation. The invention of insulators was a kind of scientific measles through which all telegraph managers have had to pass with more or less danger. The first insulators used were based upon the very accurate scientific formula that wood, when dry, being a non-conductor, and gum shellac also a non-conductor, ergo, dry pine boiled in gumshellac must be an insulator par excellence. So the pioneer wires were insulated with plugs boiled in shellac, inserted in wooden arms, and into which Mr. Kendall's iron hook with a screw end was inserted on which to suspend the wires. . . Until the winter rains came, the boiled plugs worked admirable enough, but when the clouds of the declining year burst, sorrow of an electric sort everywhere prevailed.

To remedy the evil, a rubber cap and iron shield (Fig. 2), the invention of J. E. Strong, was substituted.

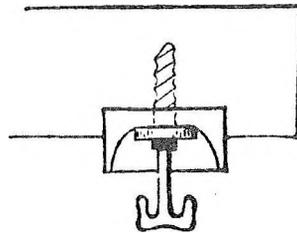
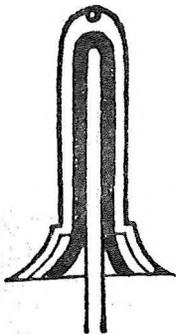


FIG. 2.

It was an improvement on the wooden plug, but rapidly deteriorated, and was soon abandoned. Another form

of rubber, which originated with the American Company, and was somewhat largely manufactured in the east (Fig. 3) was employed on portions of the California lines, but without success... For some reason, also, an insulator made at Kenosha, Wes. (Fig. 4) which bore tokens of excellence, and secured an apparently complete separation of the exposed parts by a large dry surface, was also found to be a failure and had to be abandoned.

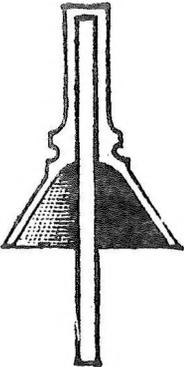


FIG. 3.



FIG. 4.

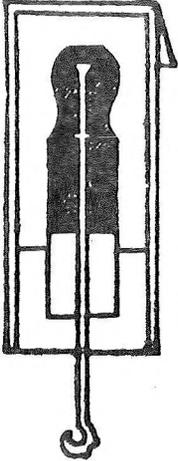
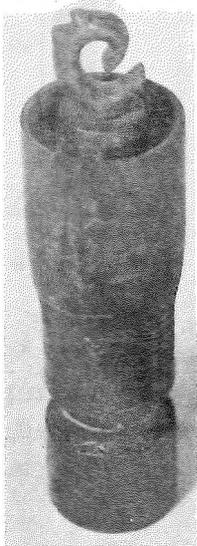


FIG. 5

The Brooks' insulator (Fig. 5) was employed on different sections, chiefly on the main line along the railroad, and for some time gave satisfaction.

Here is a picture of an actual ramshorn insulator, which exactly matches Fig. 4 in Reids article. The "Kenosha Rams-horn" is 7 1/2" overall in height and 2 1/8 " at its largest dia. Only 2 have been located. (In Michigan, along an old R. R.)



Thanks: to Bob Wilson of Philadelphia who researched the above article and to Paul Houpt of Indiana who furnished us with the ramshorn picture and information on where he found it.

BOOK REVIEW

"THE GLASS INSULATOR-- A COMPREHENSIVE REFERENCE" by Greg Kareofelas and Gary A Cranfill.

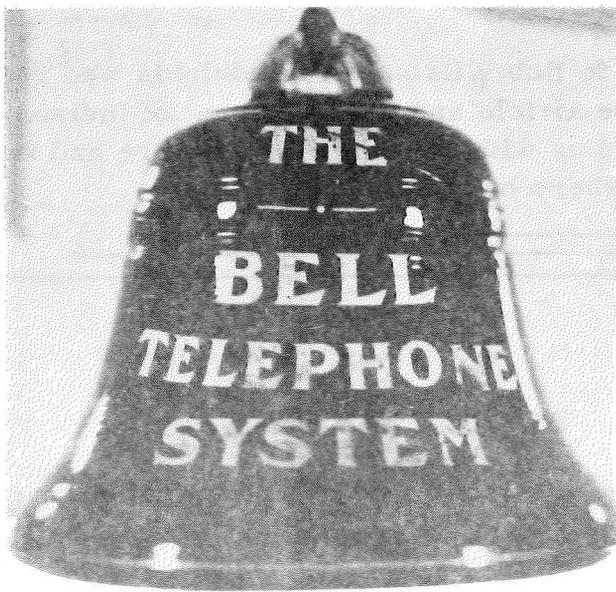
This book is 8 1/2 X 11, soft bound and contains over 150 pages. It is an extremely well organized book which list insulators by companies. There are no sketches. All the insulator pictures are actual photos and very well done.

Gary and Greg have combined insulator photos, patent information, company history and insulator information into a book every collector should own. It is the only book on the market today that deals with every faucet of insulator collecting under the same cover.

The only weak point about the book is that the insulator photos are not full size.

This book can be ordered from Gary Cranfill, 5536 Keoncrest #2, Sacramento, CA 95841 for \$6.00 PP and well worth the investment.

A sample copy is available for your inspection at the CROSS ARMS table of any show we attend as well as most of the books written on insulators.



In an attempt to solve the mystery of the Bell System, bell shaped, glass paperweights, Douglas D. Williams (An employee of the Bell Telephone Laboratories) 2009 Cullum Drive, Reading, Penna. 19601, is compiling data and color photographs which are being supplied by Telephone People, Insulator and Paperweight Collectors.

Any and all members of these fraternities are invited to send information as to when they acquired their Bell(s) and for what special event it was given to Mr. Williams.

Very little real data exists on these paperweights, but what is known is briefly noted below.

The paperweights were probably initiated with an advertising campaign in 1908 where "One Policy, One System, Universal Service" was the slogan. These are known to have been made by the Fenton Art Glass Co. of Williamstown, West Virginia.

The last Bell, reportedly was released commemorating the 1,000,000th Telephone in Florida on February 2, 1955. This paperweight is believed to have been made by the Rodefer-Gleason Glass Company of Bellaire, Ohio.

Many years span the gap and many historical Telephone events have been noted in the passing of these years. For instance, the opening of the lines to Denver, Colorado and the incorporation of Mountain States Telephone in 1911. A Bell with Mountain States Telephone on one side and Denver on the other does exist. Or certainly there was one in 1915 when the first transcontinental telephone line was opened. Surely there must have been one given out to celebrate the 50th Anniversary of the Telephone in 1926.

As can be seen from the foregoing examples, the possibilities are many; therefore, any information, descriptions and/or photographs of these paperweights would be helpful in assembling a composite picture of the Bell paperweights through the years and help solve the mystery, and answer the questions asked as to where, when and why.

MARKET NEWS

Listed below are some going prices of insulators at the various shows.

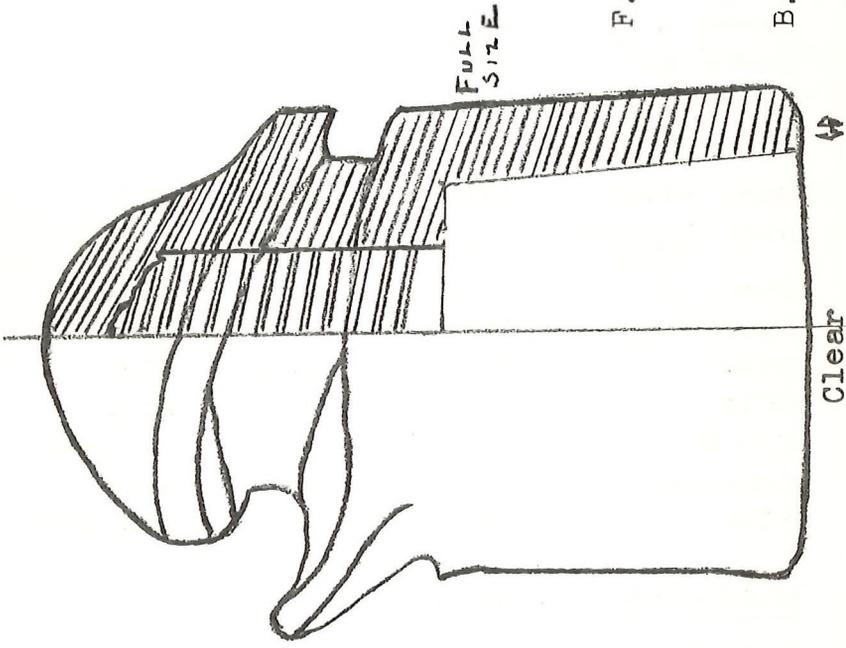
<u>Manufacturer</u>	<u>CD</u>	<u>Condition</u>	<u>Color</u>	<u>Prices</u>
<u>Westerville, Ohio</u>				
Cable (No. 4)	267	mint	green	\$110-200
54 A/B	194/195	mint		30
No name	403	mint		35
Jumbo	269	mint		115
California	208	mint		25
<u>Ojai, California</u>				
Hem. 54 A/B	194/5	mint	SCA	\$37
Hem. (muncie type)	303 310	vvnm	aqua	35
Hem. 62	252	mint	amber	20
Lynchburg	145	mint	aqua	15
WGM	121	mint	SCA	10
ECM	123	mint	aqua	35
E 14 B	128	mint	vasoline	20
Columbia	263	mint	aqua	50
ECM	123	mint	cobalt blue	250
<u>Middletown, New York</u>				
Santa Ana	178	mint	lime gr.	10
Jumbo	140	mint		200
&	117	mint		30
	113	mint	d. green	10
<u>Carlisle, Pa</u>				
Brookfield	149	mint	green	20
Hem. D-512	230	mint	amber	6
Cable (No. 3)	254	mint	green	12
Cable (No. 4)	267	mint	green	75

HEMINGRAY S-B

Nick names
"Bulldog"
"Big mouth"

C. D. 428

Carrier Service



F.- HEMINGRAY
1-38 or
2-38 or 3-38
or 4-38

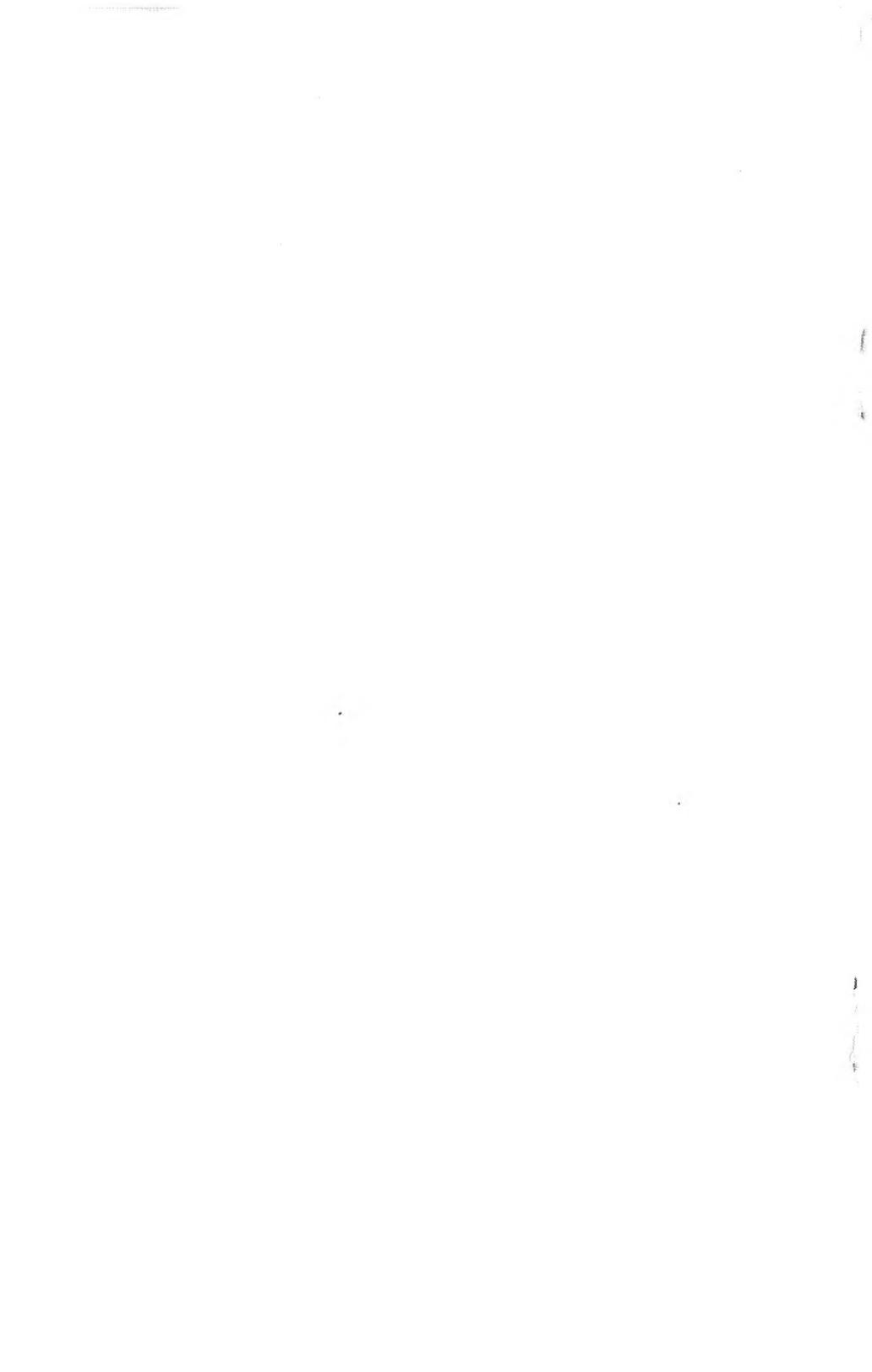
B.- S. B.

This insulator was used on telephone carrier circuits (high cycles). The pin hole is threaded and smaller than standard and is lead lines.

Under the work Hemingray, are embossed number 1-38 2-38 3-38 or 4-38. The numbers denote dates of manufacture.

The glass in the CD 428 is a special "low lead" glass which Hemingray used to try and eliminate electrical short commings which are characteristic to carrier circuits.

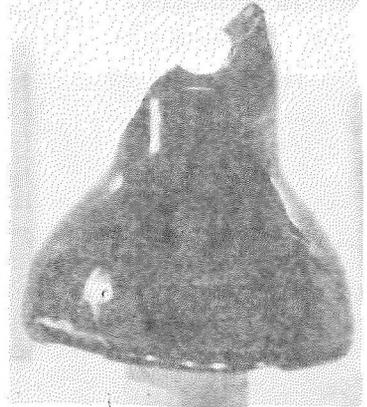
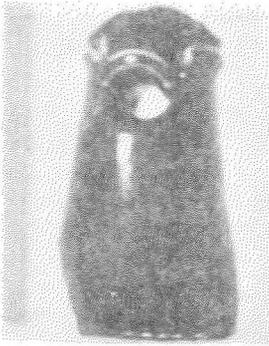
Thanks to Gerald Brown of Colorado for the sketch and embossing information.



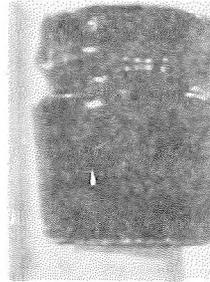
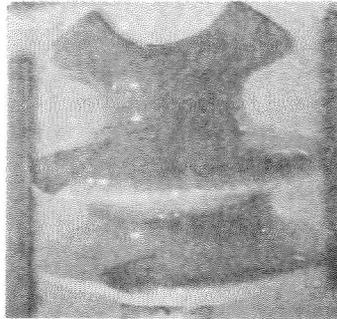
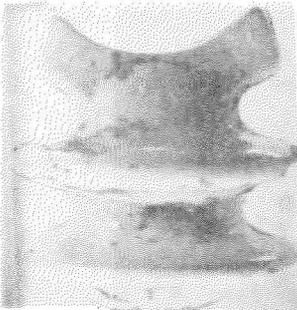
PORCELAIN DUMP YIELDS INSULATORS AND INFO

Jerry Turner of Goshen, Ohio, and his family spent several days digging in the dump of the Pittsburgh High Voltage Insulator Company

They found some new shapes (pictured below) and some very interesting fragments such as a 2 piece tramp embossed P. R. R. and pieces of a baby blue mickey mouse. Here are pictures of 5 pieces that Jerry and his boys uncovered.



left: a deep brown, uni-pin 3 7/8 wide U??? right: a "MoonMan" in brown. Jerry's boy Gary found this one.

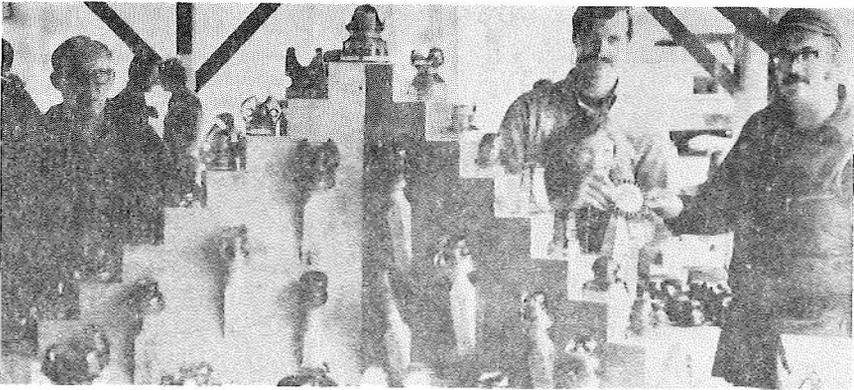


left and middle: white cable tops 3 1/2" high. White porcelain, standard threaded pin, no inner skirt. One wire groove is 2 1/4" wide while the other is 1 1/2" wide. These were found by Jerry Jr. right: an unembossed Brown's pony type.

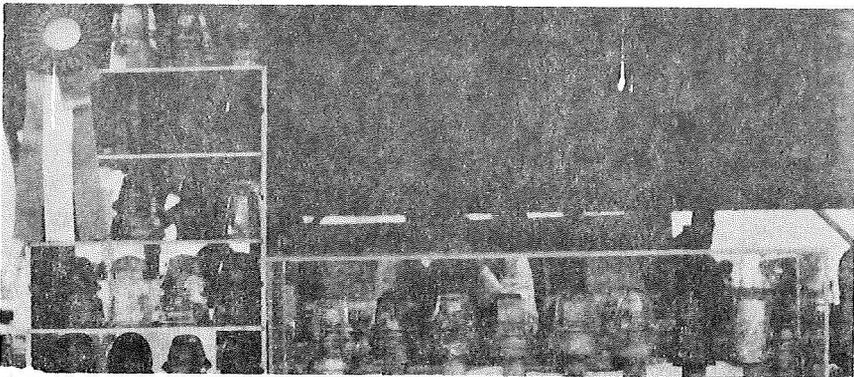
MIDDLETOWN, NEW YORK

by Ed Szymala

May 13, the Annual Middletown Spring Meet was held in Fancher Davidge Park. The wet weather and mud contributed nothing to the show. The show has a reputation of attendance by advanced collectors and dealers and they were there again this year. Action was light to medium and a lot of advanced glass was bought, sold or traded. Here are the trophy and ribbon winners.



CROSS ARMS FIRST PLACE, George Reed of Phila., PA. Awarding the ribbon is George Lahm of NY.



CROSS ARMS Second Place, Ron Peill of Flemington, New Jersey.

Middletown N. Y. Show



Show Trophy-"Best in Show", Barry Strickney of Middletown, NY.



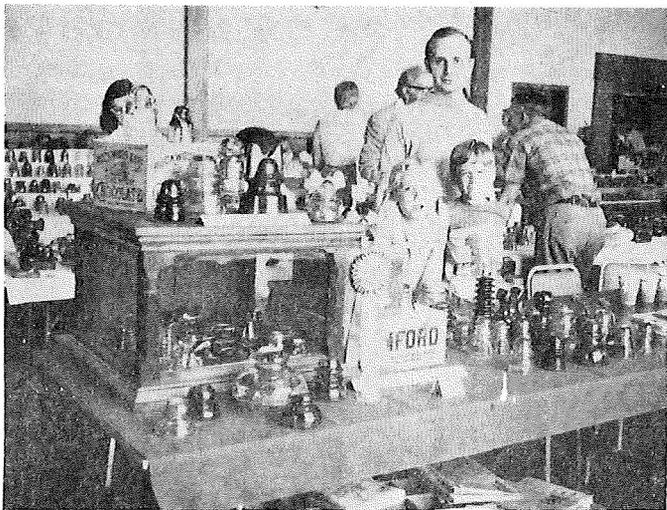
Show Trophy-"Most Informative", Pete Schriber of State College, PA.

Brown's Porcelain Book awarded to John Meyers of Vernon, New Jersey.

FIRST ANNUAL PENNSYLVANIA SHOW

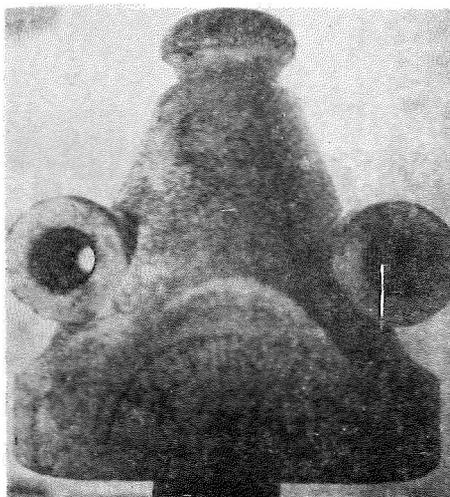
The First Annual Pennsylvania Show was held June 10, in a carpeted, air conditioned room at the Embers Room in Carlisle. 50 tables were occupied with collectors and dealers from 9 different states. Many good pieces of glass were available for sale or trade.

Being PA's first show, many new names and faces came through the doors. Most of the table action was in the lower value bracket which indicates a large group of beginning collectors were present. For many it was their first formal contact with the hobby. Here are pictures of the award ribbons and some close-ups of some of the pieces that were available for sale or trade.



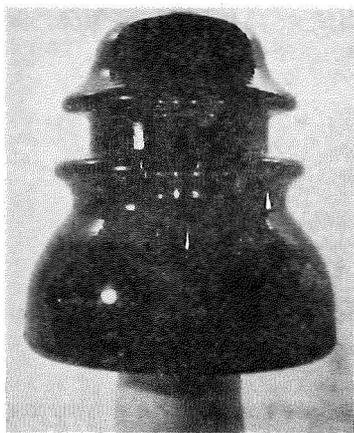
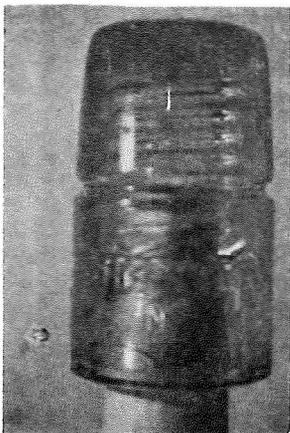
Pete Shreiber of State College, PA, winner of CROSS ARMS, First Place.

First Pennsylvania Show & Sale.



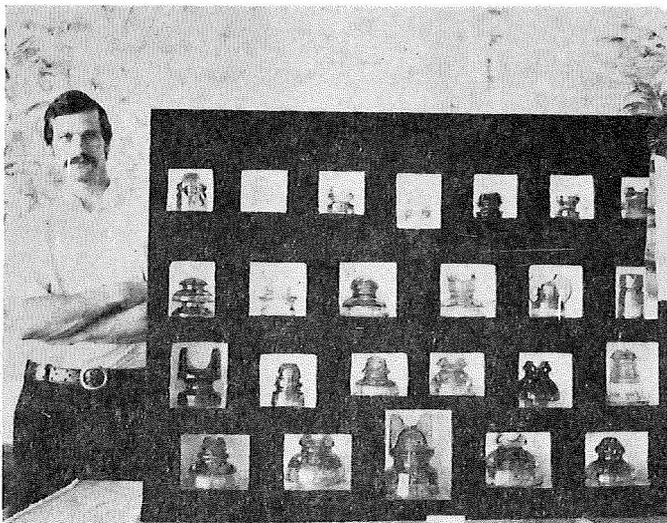
left: A Ford ashtray with the rubber suction cup still intact. Dug by Lucille Barlow of Buckingham, PA. (note-many collectors mistake this piece for a thread-less pony.)

right: a different shaped, combination fused disconnect and insulator, embossed: WESTINGHOUSE S-29865-A from Jack Hiddlestone of Clarke's Summit, PA.



left: a straight sided Chester from Claude Herdman of New Jersey. right: an amber W.T. #1 found by Gerald Wert of Thompson Town, PA.

First Pennsylvania Show



George Reed of Philadelphia, PA, winner of "Crown Jewels" Best in Glass.



Jerry Turner and boys of Goshen, Ohio, winner of OBX ribbon for "Best Porcelain and Second Place CROSS ARMS for most informative.

CLASSIFIED ADS

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CD 260 STAR, aqua ISC	\$60
CD 260 STAR, greenish aqua dated ISC	65
CD 260 STAR, green dated ISC	70
CD 102 STAR, shisel drips, wire cut	75
CD 104 STAR, aqua M	16
CD 162 STAR SCA M	100
CD 162 STAR, chisel drips, disp. very good	75
CD 200 STAR, aqua, bruised upper shoulder	50
CD 134 STAR, aqua M	16
CD 123 ECMCo, aqua VNM	35

All items display VNM or better. Trades possible for threadless or ? Complete list available, many good traders. Jack Snyder, 244 Waggoner Blvd., Toledo, OH 43612. (419-4764902).

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NOTICE - NEW BOOK - "THE GLASS INSULATOR - A COMPREHENSIVE REFERENCE" by Greg A. Kareofelas and Gary G. Cranfill. Book contains over 150 pages with price trends. All insulators professionally and beautifully photographed by company. Histories, descriptions, everything the beginner as well as advanced collector needs. Expect publication near May 1, 1973. \$6.00 P.P. from GARY CRANFILL, 5536 Keoncrest #2, Sacramento, California-95841. Still available our best selling book: The Dictionary of Glass-Ceramic Insulators - \$4.25 P.P. Send large stamped envelope for our list of insulators for sale and other insulator materials.

SALE OR TRADE

CD 262	Columbia	M-NM	\$140
CD 263	Columbia (sm groove)	NM	45
CD 281	Lynchburg 180 (rare)	NM	200
CD 462	P. L. W.	M	35
CD 230?	Armstrong 51C1A (red amber)	M	15
CD 230	D-512 (aqua)	M	25
CD 226	#115 (aqua)	M	20
CD 117	&	NM	30

Have others please write wants. George Reed,
204 Kenmore Rd. , Havertown, PA 19083.

CD 190/191 PRR--\$130; CD 190/191 B--\$8; CD 190/191 A. T. & T. Co. --\$7; CD 433 unembossed Paisley (dk. aqua w/brown swirls)--\$50; CD 112 Hawley--\$6; CD 106 Duguesne peak top--\$15; CD 145 American double dated--\$6; CD 259 Cable--\$8; CD 230 D-512 (amber)--\$6; CD 160 Sterling--\$12; CD 133 B. G. M. (SCA)--\$22.50; CD 108 W. T. #9 (SCA)--\$11; CD 145 B (olive)--\$7; CD 145 H. G. Co (jade milk)--\$5; CD 433 No name (aqua)--\$10; CD 102 Sterling--\$12. Postage & insurance extra. Ed Szymala, J-137 Belmont Plaza Apts. , King of Prussia, 19406 (215) 265-6679.

**Gerald Brown's "SECOND EDITION"
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Not a supplement.

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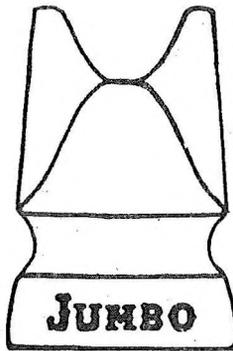
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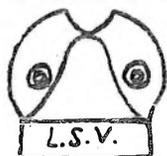
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131 Brookes Pat, with Tillotson on dome, aqua, nm	130
431 Hemingray 1, old style, aqua, vnm	65
162 Hemingray 19, flashed amber, rare, mint	15
232 Hemingray D-512, carnival, nice color, mint	19
734 McMicking, threadless, aqua, vnm	295
120 K. C. G. W. pony, aqua, vnm, v. rare, gd emb.	70
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CD 254 #3 Cable, mint	25.00
CD 267 #4 Cable, NM	140.00
CD 117 Ampersand, olive green, unusual color VNM	75.00
CD 178 Santa Ana, green, VNM	20.00
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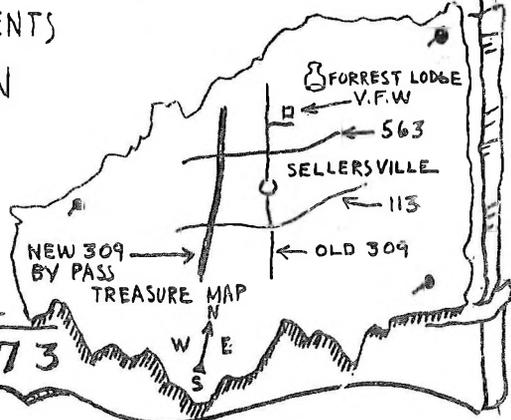
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1973

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Provo type aqua vnm \$25.00, CD 143 No name (pleats
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Am In. Co. ice blue nm \$10.00, CD 145 Postal aqua
nm \$4.00, Ft. W. E. Co. signal aqua \$25.00 nm,
CD 208 Brookfield (hot cross) nm \$20.00, CD 220
Hemingray 670 amber good \$7.00. Send S. A. S. E.
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Will trade. Write for list. Billy Woodward, 6300 Old
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137 green	Hemi 990	3
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162 olive	star	6
162 green-aqua	McLaughlin 19	2
162 blue	McLaughlin 19	5
162 pinkish	Maydwell 19	5
168 green	Hemi D 510	2

All insulators listed are mint. Postage extra. Make checks or money order payable to Ferd Huber, 385 Allendale Rd., King of Prussia, PA 19406

INTERESTED in ramshorns and threadless insulators. I have many pieces of glass for trade, also cash. Want all threadless, embossed or unembossed, mint to damaged. All letters answered. Bob Wilson, 12612 Chilton Rd., Phila. PA 19154 (215) NE7-9435.

FOR TRADE ONLY: CD ??? B. E. L. Co. thru hole (see CROSS ARMS, APRIL '73, pg. 17) Beautiful light aqua, mint condition. Want embossed threadless only. Mint or near mint condition. Repaired not accepted. Postage and insurance extra. Mr. Stephen E. Bobb, 610 Northampton Rd., Norristown, PA 19401 (215) 539-6533.

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.

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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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