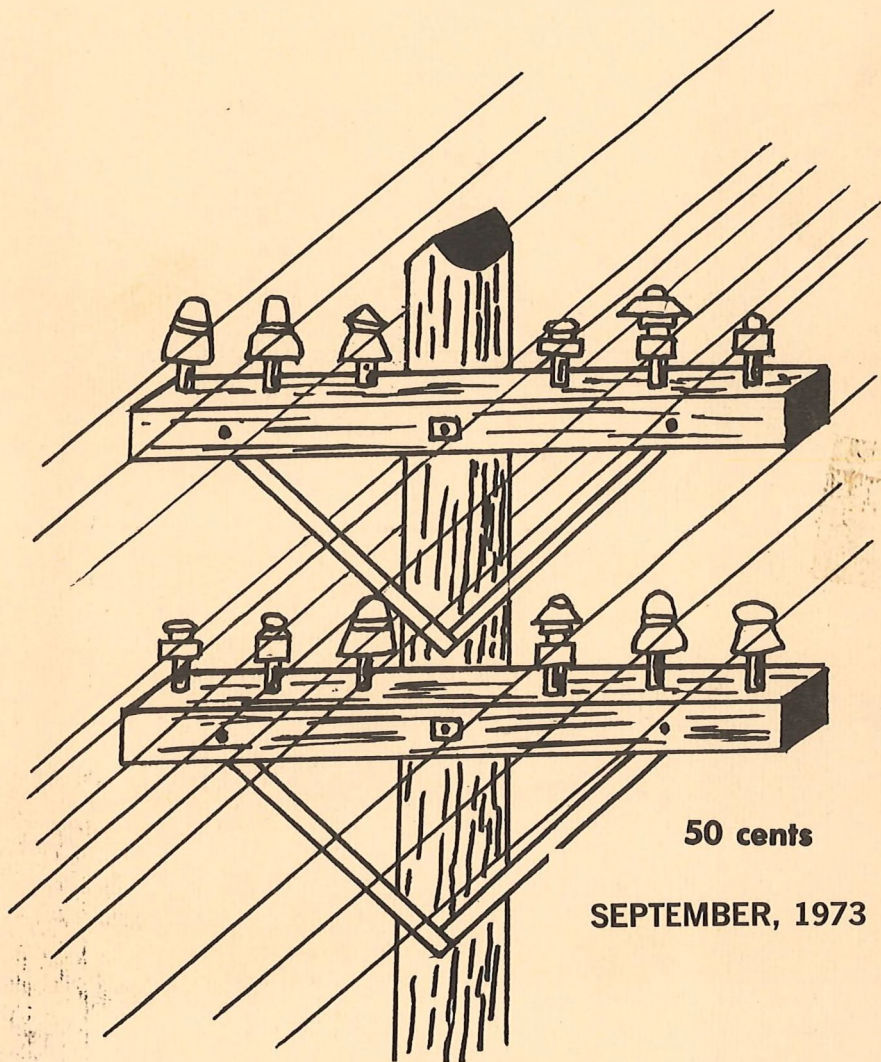


CROSS ARMS

an
insulator collectors'
magazine



50 cents

SEPTEMBER, 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. 8

September, 1973

Editor James Garrity
Western Representative Addie Tasem
Production Catherine, Mary Alice Garrity,
Edward Szymala

Single copy 50¢. Subscription price \$5.00 (12 issues).
Back issues available at 50¢ each. (Not all issues are
available.)

Copyright © 1973 by CROSS ARMS.

This journal is protected by copyright and no part of it
may be reproduced in any manner without written per-
mission from the publisher.

TABLE OF CONTENTS

	PAGE
C. D. of the Month (147)	22
Classified Ads	34
CROSS ARMS adds new staff member	19
Del Mar, Calif. Fair	32
East Bridgewater, Mass. Show	31
Eastern Insulator Club News	17
Fisher Electric Railway	8
Fourth National Show Displays	12
Know Your Collector	15
Letters to the Editor	18
Medal Awarded to Elliot	30
New Find	29
Patent Information	25
Shows & Swaps	2
What's Happening in the N. I. A?	20

SHOWS AND SWAPS

SEPTEMBER 2 New Holland, Pennsylvania

New Holland Bottle Show & Sale, Liberty Fire Hall, Rt. 23. Info: Alfred B. Carpenter, Blue Ball, PA 17506.

SEPTEMBER 8-9 San Bernardino, California

San Bernardino County H. B. C. Show & Sale, Convention Center. Info: Gene Kemble, 311 W. Holly St., Riolto, CA 92376.

SEPTEMBER 9 Alexander, New York

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

SEPTEMBER 14-16 Coos Bay Oregon

Bottle & Antique Show. Info: Ed Lange, 1390 Penn, Rt. 3, Coos Bay, OR 97240.

SEPTEMBER 15-16 Gilead, Ohio

Central Ohio B. C. Show & Flea Market at the Fairgrounds. Info: Dennis Scott, 21 No. High St., New Albany, Ohio 43054 (tel. 855-1836.)

SEPTEMBER 15-16 Winchester, Virginia

Apple Valley Bottle Club Show & Sale, Winchester Armory. Info: Mrs. Hillary Mills, R. D. 1, Box 410, Winchester, VA 22601.

SEPTEMBER 16 Moorestown, New Jersey

A. B. C. of Burlington County, N.J. Show & Sale, Rec. Gym. Info: Al Newton, 300 Vine. St., Delanco, NJ 08075

SEPTEMBER 16

Sellersville, Pennsylvania

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

SEPTEMBER 16

Providence, Rhode Island

Little Rhody B. C. Show & Sale, Elks Hall, 645 Elmwood Ave. Info: Dave Hackney Sr., Box 74, No. Kingstown, R. I. 02852.

SEPTEMBER 22-23

Buechel, Kentucky

Louisville Bottle Club Show & Sale, National Guard Armory, Progress Road. Info: C. "Tiny" Kennedy, 11819 Garrs Ave., Anchorage, KY 40223.

SEPTEMBER 22-23

Reno, Nevada

Reno-Sparks A. B. C. A. Show & Sale, Washoe County Fairgrounds. Info: P. O. Box 6145, Reno, NV 89503.

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 23

Pekin, Illinois

Pekin B. C. A. Show & Sale, Memorial Arena, Mineral Springs Park. Info: Ben Oertle, Box 682, Pekin, IL 61554.

SEPTEMBER 29

Auburn, New York

Auburn B. C. Show & Farm Home & 4-H Center. Info: Leigh Boardman, 112 Clymer St. Auburn, NY 13021.

SEPTEMBER 29-30

Columbia City, Indiana

Hoosier Insulator Collector's Fall Show. Whitley County 4-H Building. Info: Paul Houpt, 211 S. Chauncey St., Columbia City, IN 46725.

SEPTEMBER 29-30

Salem, Oregon

Oregon B. C. A. Show & Sale, Ag. Building, Ore. State Fairgrounds. Info: Vince Harbick, 735 Shcamburg Dr., Sherwood, OR 97140.

SEPTEMBER 29-30

Spokane, Washington

Greater Spokane Bottle & Antique Show & Sale, Spokane Fairgrounds. Info: Bob Tweedy, Rt. 3, Box 737, Spokane, WA 99203.

SEPTEMBER 30

Canton, Ohio

Ohio B. C. Show & Sale, Imperial House Motel, Interstate 77 & Everhard Rd. Info: Doug & Joann Bedore, 1483 Ritchie Rd., Stow, Ohio 44224.

OCTOBER 6

Scotia, New York

Capital District Insulator Club Show & Swap Meet, First Reformed Church Hall. Info: Grant Barnes, 24 Harlau Rd., Scotia, NY 12302.

OCTOBER 6-7

Grand Junction, Colorado

Western Slope Bottle Club's 1st Annual Bottle & Insulator Show & Sale, Lincoln Park Auditorium, 12 & Teller. Info: Janet Hooker, Box 354, Palisade, CO 81526.

OCTOBER 7

Buray, Louisiana

Dixie Diggers B. C. Show & Flea Market, Burac Aud. Info: P.O. Box 626, Empire, LA 70050.

OCTOBER 12-14

St. Charles, Illinois

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

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.

OCTOBER 13-14

New Westminster, B. C., Canada

Old Time B. C. of B. C., Drenex, Queens Park. Info: Old Time B. C. Club of B. C., P. O. Box 77154, Vancouver 16, B. C., Canada.

OCTOBER 14

Ithaca, New York

Finger Lakes B. C. A. Show & Sale, Ithaca Senior High School Gym. Info: Harry Jebbett, 239 Port Watson St. Cortland, NY 13045.

OCTOBER 14

Madison, Wisconsin

South Central Wisc B. C. Show & Sale, Dane County Coliseum, Youth Bldg. Olin Ave. & Hwy. 12 & 18. Info: Roger Peters, 53 Merlham Dr., Madison, WI 53705.

OCTOBER 20-21

Glendale, California

7th Annual Bottle Show & Sale, Los Angeles Historical Bottle Club. Glendale Civic Auditorium. Info: Show Chairman, P. O. Box 60762, Terminal Annex, Los Angeles, CA 90060.

OCTOBER 21

Lee, Massachusetts

Berkshire Antique Bottle Show & Sale, Lee High School. Info: Joe Furgal, P. O. Box 297, Lee, Mass 01238.

OCTOBER 21

Pittsfield, Ohio

Buckeye B. C. Show & Sale, Inter of St. Rds. 58 & 303, Grange Hall. Info: Earl Patterson, 26922 Lake Rd. Bay Village, Ohio 41440.

OCTOBER 28

Jeffersonville, New York

Greater Catskill A. B. C. Show, Jeffersonville Fire-house. Info: Box 411, Liberty, N. Y. 12754.

OCTOBER 28

Cedar Rapids, Iowa

Insulator-Bottle Show at I. B. E. W. Hall, 1211 Wiley Blvd. S. W., Info: Dale L. Vincent, 283-22nd Ave., S. W., Cedar Rapids, Iowa 52404, ph. (319) 365-2480; or Noel J. Motter, 2865-2nd Ave., Marion, IA 52302 ph (319) 377-6041.

OCTOBER 28

Westboro, Massachusetts

Yankee Polecats Insulator Club Show & Swap Meet, New England Electric Co., Route 9. Info Judy Cossaboom, 15 Springhill Ave., Bridgewater, Mass. 02324 tel. (617) 697-4470.

NOVEMBER 4

Springfield, Virginia

Eastern Insulator Club presents its fall show in Springfield, Virginia, at the Springfield Mall Shopping Center. Info: Jim Barron, 6815 Darby Lane, Springfield, VA 22150 (703) 971-1647

NOVEMBER 4

Sidney, New York

Show & Sale, Masonic Hall, Union St. Info: Wally Schaver, 563-1411 or Gary Wilson, 30 Willow St., Sidney, NY 13838.

NOVEMBER 4

Hillside, Illinois

1st Chicago B. C. Show & Sale, Hillside Holiday Inn. Info: George Duffy, 607 Revere Rd., Glenview, IL 60025.

ye 2ND
ANNUAL

DELAWARE VALLEY BOTTLE CLUB BOTTLE & INSULATOR SHOW & SALE AT THE V.F.W. FORREST LODGE...

OLD ROUTE 309 SELLERSVILLE, PENNA.
SEPTEMBER 16TH 10A.M. TO 5 P.M.



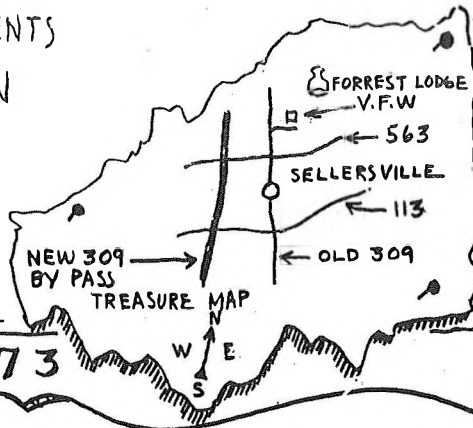
INKS "GO WITHS"
FRUIT JARS HOUSEHOLDS
MEDICINES FOR BEAST & MAN
SODAS BEERS FLASKS
FIGURALS PERFUMES
ETC - - - ETC - - - ETC - - - ETC - -

HEATED SHELTER, REFRESHMENTS

 \$ 1.00 ADMISSION

FREE PARKING

FOR INFORMATION
CONTACT BOB ESSICK
BOX 19 REVERE, PA. 18953



1973

THE FISHER ELECTRIC RAILWAY SYSTEM

by Gerald and Esta Brown

An ad in the "STREET RAILWAY JOURNAL" of 1885 advertised the Fisher Railway System for street and suburban traffic. The ad said, "The only successful system using an underground conductor; 8 miles of conduit in one road in San Jose, California." The advertiser was The Detroit Electrical Works, whose address was 7th and Woodbridge Sts., Detroit, Michigan.

The following information comes to us from Addison H. Laflin, Secretary of the Bay Area Electric Railroad Association and from A. W. Bond, Treasurer of the Tramway Museum, Derbyshire, England. Part of the information comes from a book by Charles McCaleb of California.

In the mid 1880's, on the West Coast, the city of San Jose, California was booming. The mayor and city officials had launched a massive improvement program. The time had come for Bishop, Rich and Associates to consider up-dating the city's antiquated horse-car railway system with something new, modern and more efficient. The officials were ready to buy new transportation equipment if the governing bodies approved.

Bishop proposed to put in an electric railway in preference to the popular cable roads. He favored an over-head wire power source but met with much opposition to this method of supplying power to the cars.

In 1886, a trip took Bishop to St. Louis, MO where an experimental 3-rail electric system was being demonstrated, the product of a young Detroit inventor named Frank E. Fisher. Bishop was impressed by the demonstration, and went to visit Highland Park,

Michigan, a suburb of Detroit, where a full scale rail system was under construction.

Fisher claimed that his electric system would save 60% over a horse car operation; the run from San Jose to Santa Clara could be made in 20 minutes in comparison to 45 minutes with horse cars.

The cars of the new road would run on 20# steel rails mounted at street level in the conventional manner; the third rail would be fabricated of 14# iron bars and be mounted below the street in a concrete tunnel, cemented on the bottom. GLASS INSULATORS would be used to support the third rail which would have a companion 5/8" copper wire added to improve the iron's current carrying capacity. This under ground power source would solve the problem of opposition to the overhead wire power source.

The men selected the cars to be used; light weight affairs resembling those of the San Francisco's cable roads. Fisher estimated the cost of the system at \$500,000.00. Although the cost of the underground conduit would be great; about \$40,000.00 per mile, he explained that the cost of a cable system would be higher.

Fisher finally offered the full facilities of the Detroit Electrical Works, of which he was manager, to build the necessary equipment and to install the system. Bishop accepted the idea. So the ambitious inventor who had risen from an apprentice electrician to head his own firm, came to design San Jose's first electric railway system.

Bishop and his associates now moved to build the electric railway. They hoped to establish the first electrified railway west of the Rockies. Contracts were

let to the Pullman Company for 12 cars and to the Detroit Electrical Works for equipment except the cars. The San Francisco Electric Improvement Co. was hired to build the road.

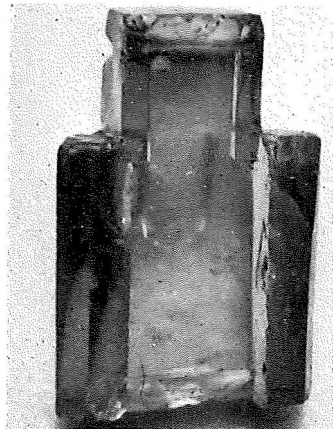
Construction was slow to start. There was a shortage of cement to build the tunnel and other difficulties arose. Construction actually got under way on October 5, 1887. An announcement from San Diego in December, told that a line 4 miles long had been completed there, thus depriving San Jose of being able to operate the West's first electric rail line.

The first test of the San Jose-Santa Clara line was made March 16, 1888. One car left the car stables for Santa Clara with 43 passengers aboard. 150 yards short of Agricultural Park the car slowed to a stop when it's contact carriage (or trolley) struck the protruding cap of an insulator. This failure was only a forerunner of things to come. Regular service was established July 28th. Fisher was acting as operating superintendent and announced that the line carried 40,000 persons during fair week. The fare was one nickel.

Mechanical failures continued to plague the service of the underground electric circuit. Wires burned and broke in the electric motors. Dislodged wires sometimes charged an entire car. The underground rails expanded and contracted, cracking and dropping away from the Glass insulators. Mud and stones gathered in the conduit, far beyond the flushing capacity of the system. Troubles persisted and in mid October the line had come to a standstill. Horse cars again returned to the Alameda.

This is the story of the origin and the use of the FISHER INSULATOR. Two different models of the

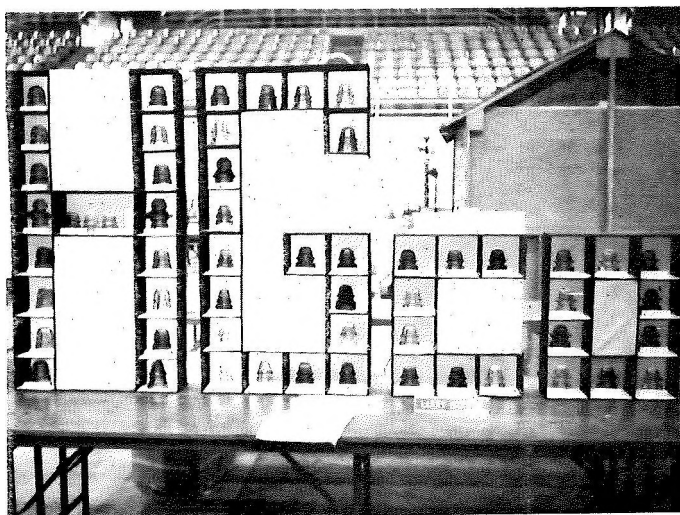
insulator have been found, one of each kind which are embossed with the words, "FISHER ELECTRIC RAILWAY SYSTEM--BUILT BY DETROIT ELECTRICAL WORKS." Several other insulators of the same style have been found which have NO embossing. We believe that all of the insulators have been dug in the San Jose area. These old and beautiful pieces of glass are the relics of a broken dream of Frank E. Fisher.



Fourth National Ribbon & Trophy Winners (cont'd
from Aug.)

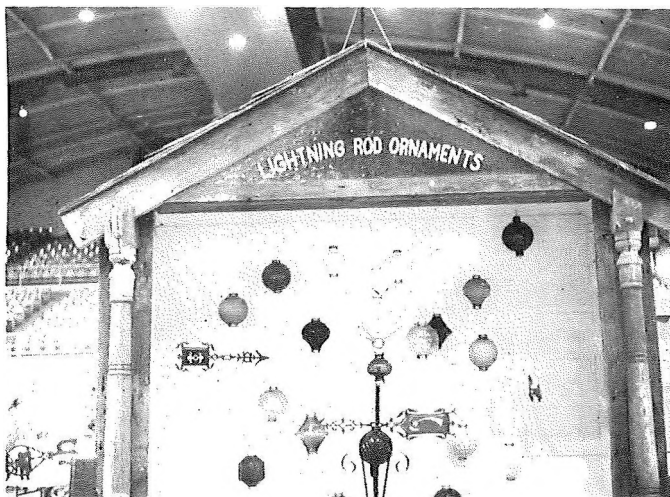


Richard Case of Stillman Valley, IL, winner of "Show Trophy" for a speciality display.

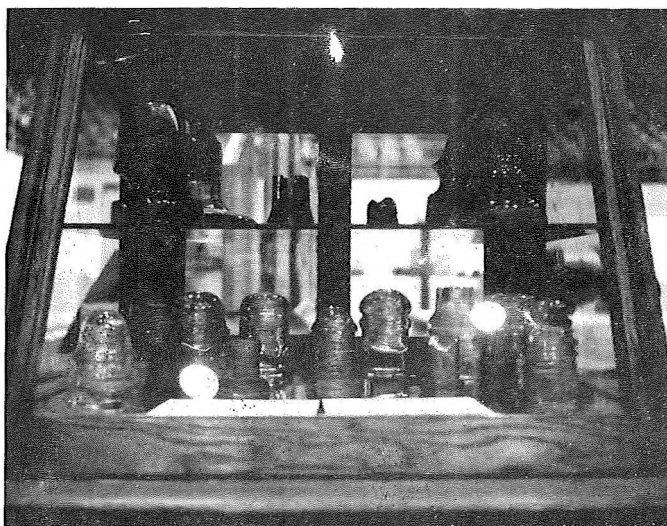


Larry Harmon of Wentzville, MO, a ribbon winner.

Fourth National Ribbon & Trophy Winners (cont'd
from Aug.)

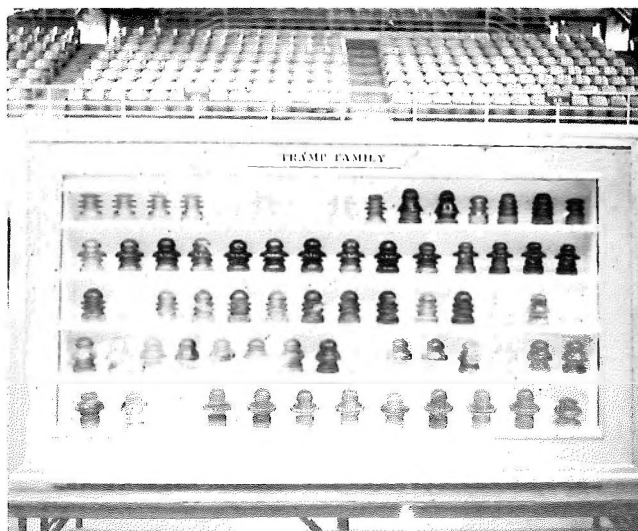


Dale Young of Independence, MO, winner of "Show Trophy" for lightning rod balls and "OBX Ribbon" for Showmanship.

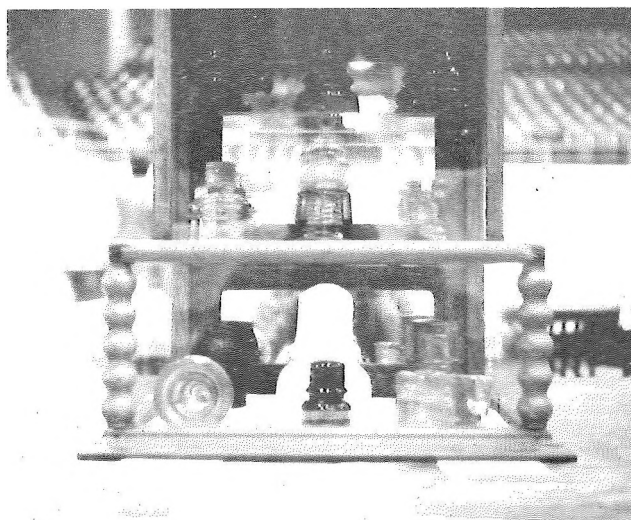


Greg Everett of Abilene, TX, winner of "Grand Prize Ribbon" from Crown Jewels.

Fourth National Ribbon & Trophy Winners (cont'd
from Aug.)



Harold Downing of Grant City, MO, a ribbon winner.



Fred Griffin of Palatka, FL, a ribbon winner.

KNOW YOUR COLLECTOR

Collector of the month for September is Dale Dawson of 6 Wheatland Drive, Hutchinson, Kansas, 67501.

Dale is an employee of the phone company in Kansas and has been collecting for about 4 years. He has attended all four National Show & Swap meets.

Dale has a large general collection and his current project is to acquire a CD 121 from every state. Dale is also active in the "ownership tags" end of the hobby.

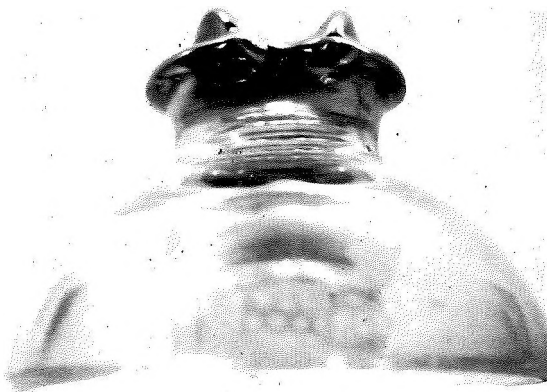
He writes many letters to collectors everywhere and will correspond with any collector who writes to him

Dale extends an open invitation to all collectors "when in the area, stop in! You're always welcome."



Dale, standing in front of one third of his collection.

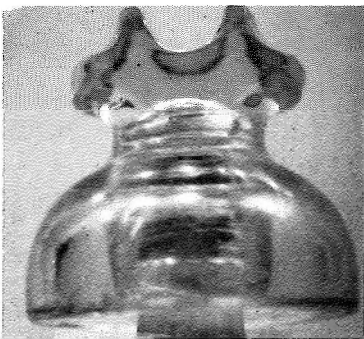
Know Your Collector



left: Kimble 820. The crown is a blue opalescent color (applied) and the rest of the insulator is clear. right: A CD 105, rim embossed, American, found in Kansas.



left: A CD 121 AM. TEL & TEL with drips. right: a CD 162 Lynchburg No. 36-190.



left: CD ??? clear, embossed: 51-C2. (A)

Hello! Members

Well, it's getting to be that time again when we put on the Eastern Insulator Club's Show. This year the show will be held at the new Springfield Mall Shopping Center Community Room. There will be room for about 45 selling tables and several display tables.

There will be door prizes and awards for the best displays.

Bring the family! The Mall is well worth seeing. Although almost all the stores are closed on Sunday, you may still window shop. We know the women will like that. There are also two movie theaters, ice cream parlors and a drug store that will be open.

We will be doing something different this year. There will be no food sold at the show except for coffee and doughnuts. However, there is a Hot Shoppes cafeteria in the Mall where you can get everything from a hamburger to a full meal.

There are two fine motels within a mile of the Mall-Howard Johnsons and the Hunter.

Club members we now have Milholland's new book Most About Glass Insulators 2nd Revision.

New members for this month are: Richard Wedderman, Middlesex, New Jersey; Norman & Thelma Headley, Kingman, Arizona; Robert Jeffery Jaxel, Camp Springs, Maryland; Mr. & Mrs. S. Veglia, Summit, New Jersey and Francis P. McMullen, St Cloud, Florida.

LETTERS TO THE EDITOR

Dear Jim:

I am very much interested in joining the N. I. A. and was wondering if you could give me some information as to the amount of the dues and who to send them to. Thanks.

Bob Wilson
Phila., PA

* * * * *

Dear Bob,

You can join the N. I. A. (National Insulator Association) by sending a check or money order for \$2.00 to Ernie Rostock (Chairman of the membership committee) or Dennis McHenry (Treasurer). Their addresses are:

Ernie Rostock, 3008 SW Nye, Pendleton, OR 97801 and
Dennis McHenry, Trexend Rt. 1, Bettendorf, IA 52722.

The \$2.00 will entitle you to a charter membership. The charter membership will be available thru January.

Any other questions you might have concerning the N. I. A. could best be answered by contacting your Regional Vice-President or Ray Bryan (information director). Their addresses are listed in CROSS ARMS, August issue, page 8.

Your Editor.

CROSS ARMS ADDS A NEW STAFF MEMBER

We are happy to announce that Addie Tasem of 519 Verdin St., El Cajon, California has accepted a position on the CROSS ARMS staff.

In the position of Western Representative, Addie will be keeping us posted as to all the current activity out west. She has been sending us show reports and write-ups for several months now. We've decided since CROSS ARMS has subscribers from coast to coast, the collectors in the West could be better served with a representative and Addie has taken on this position.

Addie and her husband have been collecting for 2 1/2 years. They are very active in the hobby and are sincerely interested in seeing that "insulator collecting" continues to grow.

Insulator Club Formed.....

Capital District Insulator Club-upstate New York has been formed with 32 and growing members. President Tom Loudon, Vice President Mike Monfore, Secretary Jim Poulette, Treasurer Tom Moulton. Club dues were set at single membership \$5, family \$7, junior \$3 a year. We meet the 3rd Thursday of Jan. March, May, Sept., and Nov. at the First Reformed Church Hall, Collins St., Scotia, NY. New members and visitors are welcome.

WHAT'S HAPPENING IN THE N. I. A. ?

This article is taken from the President's Report #2 dated August 14, 1973.

BY LAWS--The incorporation of a number of technical changes required to correct type errors, incorrect references, and ambiguities, etc, in the by-laws are completed. Thanks to Jack Tod and his committee for a job well done.

MEMBERSHIP--Ernie Rostock reports 201 members with a prediction of 1000 by January and 2000 by next year. Current plans include running membership ads in some of the periodicals.

TREASURER--Dennis McHenry has opened a N. I. A. banking account with the membership fees and is working on printing stationary, membership cards and membership applications.

SHOW COMMITTEE--No report. The Fifth National show site is still up in the air.

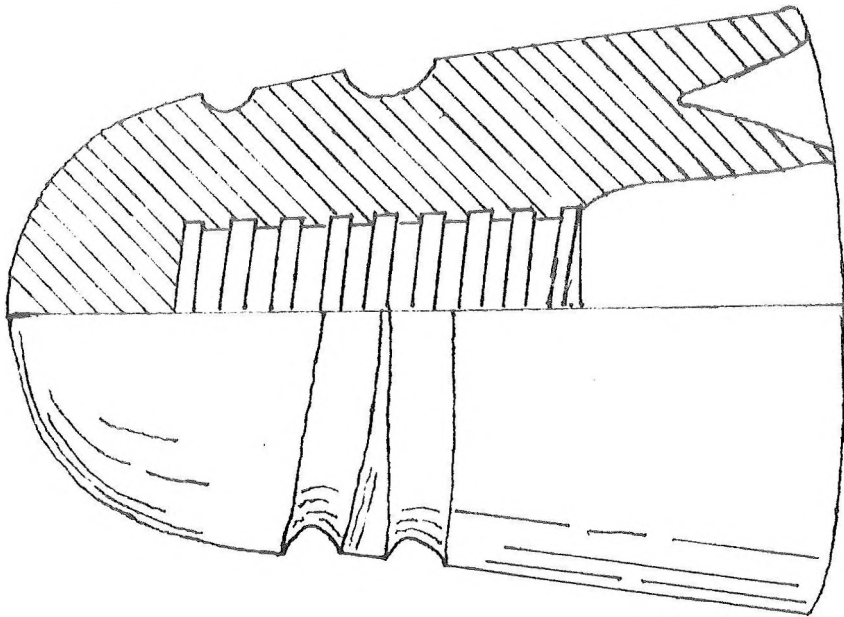
INFORMATION DIRECTOR--Ray Bryan was on vacation til Aug. 13th so no information in this area.

ETHICS & STANDARDS--No report here either.

Editors note: The Ethics & Standards committee was incorrectly referred to in the August issue as the Ethics Committee. We stand corrected. Under Article IV of the by-laws, the Standards & Ethics Committee has the responsibility for the formulation of (a) a set of standards for the uniform description of the style and condition of insulators and (b) a code of ethics incumbent to all N. I. A. members.

This insulator was designed to eliminate the time consuming step of tying and untying the wire when changing out insulators. The embossed date Oct. 8, 1907 refers to the patent issued to John Barklay for the design (patent # 867,901). The internal threads are right handed while the external threads are left handed.

All pieces were made with no drip points.



Front: BROOKFIELD PATENTED OCT. 8, 1907 (smooth base)

Front: HEMINGRAY

Back: PATENTED OCT. 8, 1907 (smooth base.)

Front: HEMINGRAY

Back: PATENTED OCT. 8 1907

Front: PATENTED

Back: OCT. 8th, 1907 (smooth base.)

Front: PATENT'D OCT. 8, 1907 (smooth base.)

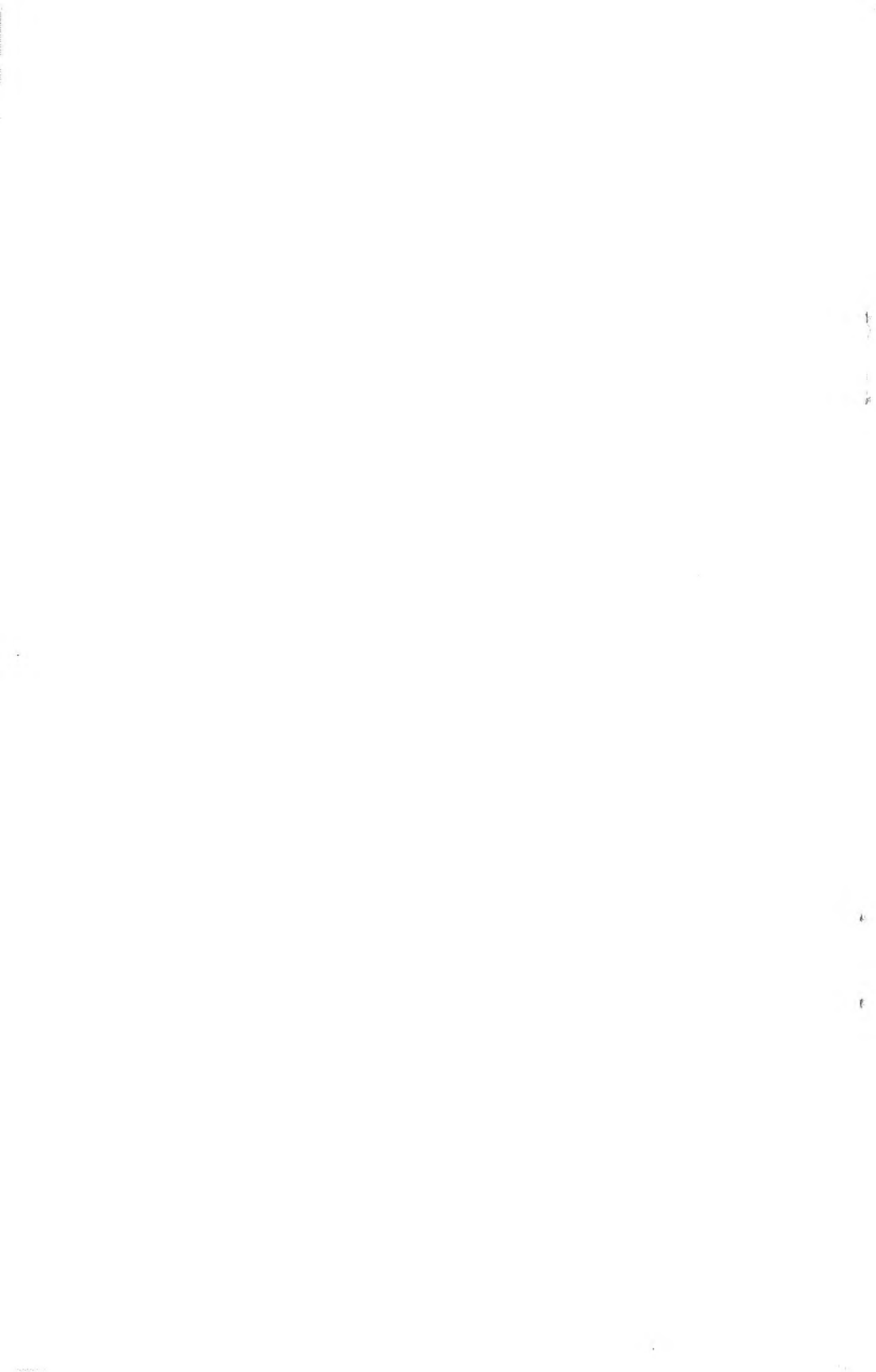
Front: PATENTED (smooth base.)

Front: PATENTED OCT. 8, 1907 - crown number (smooth base.)

Front: PATNTED OCT. 3, 1907 (smooth base.)

Front: OCT. 8, 1907

Back: PATENTED (smooth base.)



PATENT INFORMATION

Minard Y Holley, of Washington, District of Columbia
IMPROVEMENT IN TELEGRAPH-INSULATORS
Letters Patent No. 121,368 dated November 28, 1871

Be it known that I, Minard Y. Holley, of Washington, District of Columbia, have invented an Improvement in Telegraph-Insulators, of which the following is a specification:

My improvement consists in constructing insulators, of glass or other non-conducting substance, of a triangular form, thereby presenting only three points of contact to the line and attaching-wire, and, consequently, saving a large amount of surface contact and a corresponding decrease in escape or leakage of the electric current in damp or wet weather.

The accompanying drawing--in which Figure 1 represents a perspective view, and Fig. 2 a view of the under side of the insulator--shows the nature of the improvement.

In Fig. 1 AAA represent the insulator; DD, the line-wire, CC, the wire that attaches the line-wire to the insulator. EEE represent the notches in which the line and attachment-wires rest. B represents the aperture for the support.

Fig. 2 represents a view of the under side of the insulator with the line-wire attached. dd represents the line-wire; ccc, the wire attachment; aaa, the point of contact; and B, the aperture for the support.

I claim as my invention--

A telegraph-insulator having the triangular form, as and for the purpose set forth.

MINARD Y. HOLLEY.

Improvement in Telegraph Insulators.

No. 121,368

Patented Nov. 28, 1871.

Fig. 1

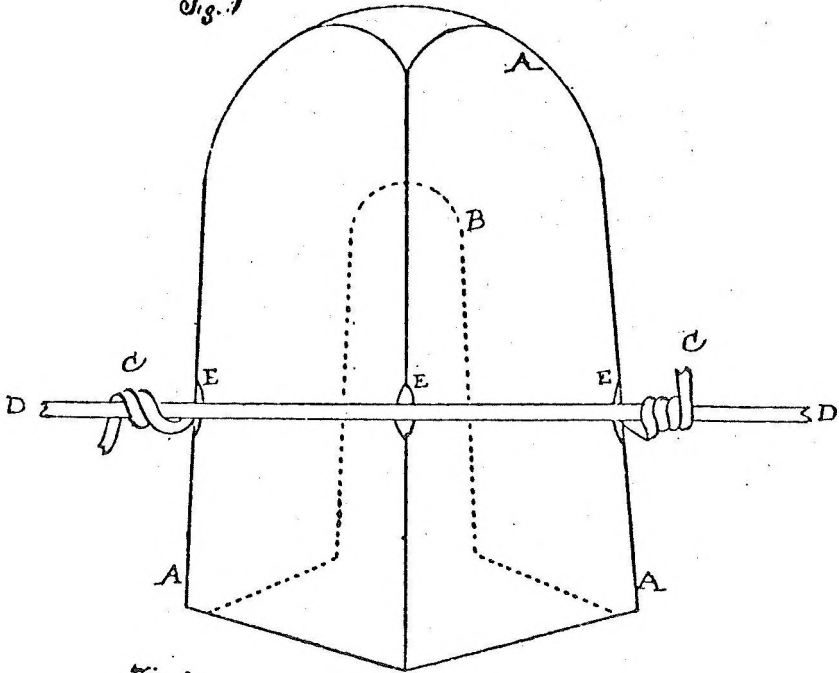
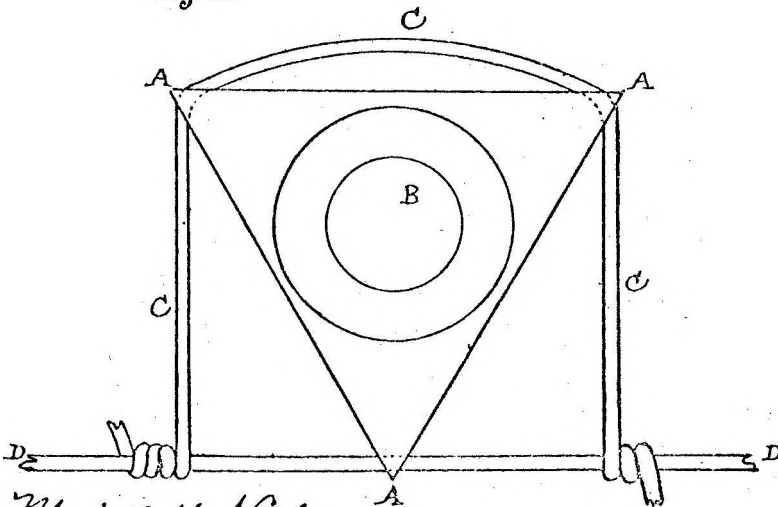


Fig. 2.



Minard Y. Holley
Inventor

Be it known that I, W. E. Simonds, of Hartford, in the county of Hartford, and State of Connecticut have invented a new and useful Improvement in Telegraph-Wire Insulator;...

Fig. 1 is a central vertical section of my improved telegraph-wire insulator.

Fig. 2 is a detached view of the cap or insulated portion of the device...

This invention relates to an improvement in the construction of insulators for telegraph-wires, and consists in forming the glass, flint, or other insulated portion of the device, independent of the peg by which it is connected with the post for supporting the wires, and so arranged, ... that rain or the moisture of condensation shall not settle around the base of the insulator...

A dry ring is preserved around the base of the insulator, which effectually prevents the escape of electricity.

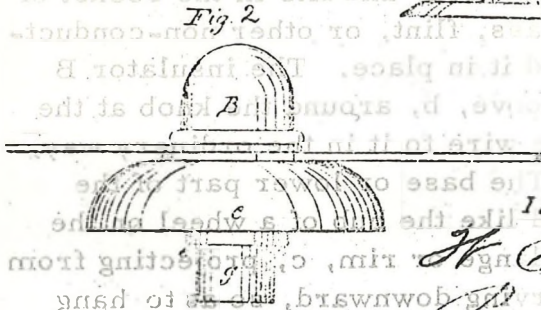
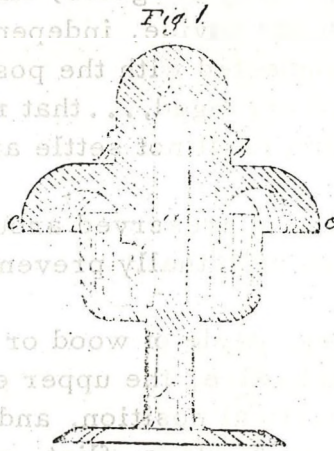
A is a peg, made of wood or iron, ... for supporting a telegraph-wire, the upper end of which, a, is placed in a vertical position, and fits in the socket of a cap, B, made of glass, flint, or other non-conducting substance, to hold it in place. The insulator B is provided with a groove, b, around the knob at the end, for attaching the wire to it in the ordinary way, as shown in fig. 2. The base or lower part of the insulator B is formed like the hub of a wheel on the peg a, and having a flange or rim, c, projecting from it all around, and curving downward, so as to hang over and enclose an interior cup, d, that surrounds and may form a part of the supporting-peg A, when made of iron, or may be made separately, as a collar, round it, when the peg is made of wood. The inner base of the insulator B has a shoulder, e,

around it, which sets low down in the cup d, and has a thin sheet of India rubber or rubber cloth, g, or other flexible, non-conducting material, lapped around it, like a thimble or hood, to be secured thereon by its own contraction, which rubber cover, g, descends nearly to the bottom of the cap d.

W. E. SIMONDS.
TELEGRAPH INSULATOR.

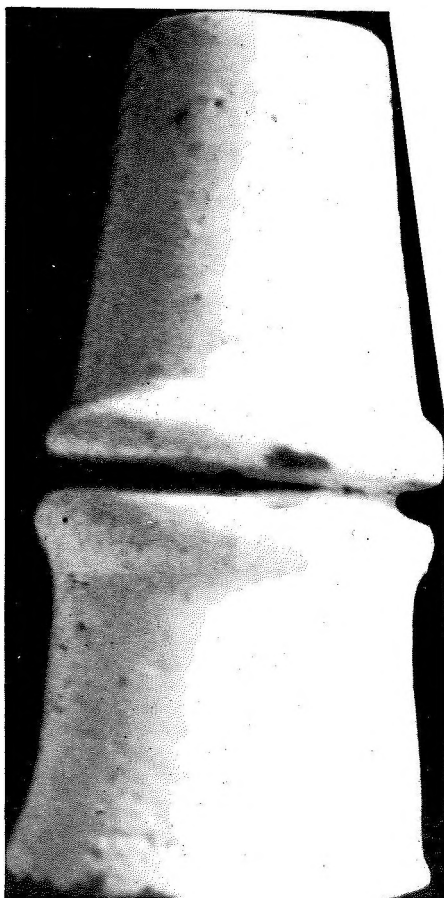
No. 71,418.

Patented Nov. 25, 1867.



Inventor
W. E. Simonds
Per. Munnell
Attorney

NEW FIND



This insulator is pictured full size. It is white in color (with black specks showing thru the glaze).. The material is a crude gray clay that seems like it would melt in water. The piece has no mold lines and it is not concentric. Possible could have been made on a potters wheel. It has a 3/4" tapered threadless pin hole. Our thanks to Bob Wilson of Philadelphia for the information and picture.

A METAL AWARDED FOR INSULATORS

This is a front and back view (full size) of a bronze medal awarded to E. B. Elliot for flint telegraphic insulators.



Front view: embossing reads, Be just and fear not, and it is signed by the engraver F. N. Mitchell S. C. along with the Grecian figure is a symbol of a train and a vise.

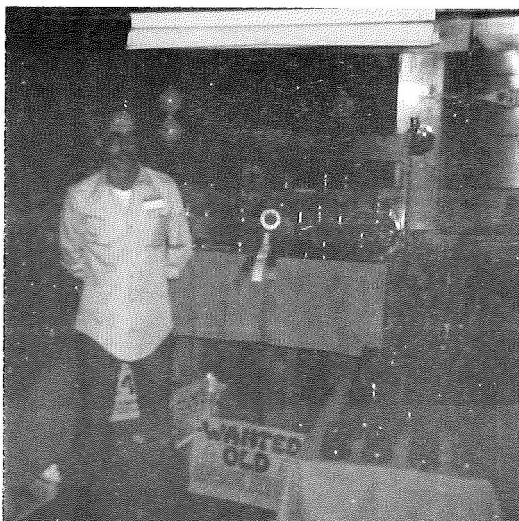


Back view: around the outside edge--Massachusetts Charitable Mechanic Association, founded 1795 incor. 1806. The middle is engraved--Award to E. B. Elliot for white flint telegraphic insulators (and) Exhibition of 1853. Thanks to Hank Hallam of Upper Darby, PA owner of the medal.

EAST BRIDGEWATER, MASSACHUSETTS SPRING
BOTTLE AND INSULATOR SHOW

There were seventy-five tables set up at this show. These are pictures of the winners of CROSS ARMS ribbons. Pictures were sent in by Fred Swiechowicz, show host.

right: CROSS
ARMS, First
Place winner,
Jerry
Kowalski



left: Second Place
CROSS ARMS ribbon,
Jarl & Karl Ander-
son. They are the
couple on the right.
Everett & Jann
Macomber are
standing at the left.



DEL MAR, CALIFORNIA

by Addie

"Hi-ho come to the fair" is a cry throughout our land. Many fairs have some displays on hobbies, bottles or collectables. It's an ideal place to display your insulators. You not only get experience and new ideas for displaying, but also promote your hobby to potential collectors.

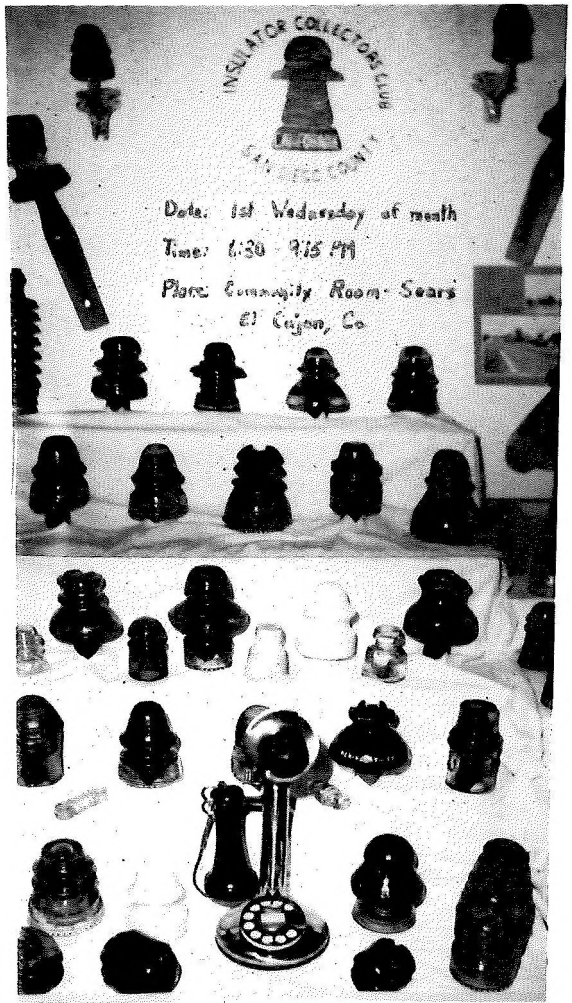
At the Southern California Exposition held at Del Mar, California, thousands of visitors eyed 3 insulator displays from June 22 to July 4. Jimmy Bradshaw of San Diego was the proud winner of a blue ribbon and an impressive trophy. Another display of a few insulators and bottles won a 2nd place ribbon--the owner unknown. The Insulators Collectors Club of San Diego County entered a non-competative display in hopes to inform collectors of the club's operation.



Jimmy Bradshaw-winner of the Blue Ribbon and trophy.

Del Mar Fair.

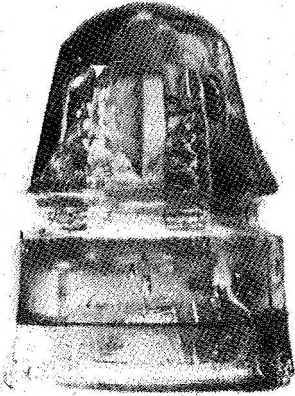
right: A display set up by I. C. C. S. C. D. C. (Insulator Collectors Club of San Diego County.)



left: insulator and bottle display, winner of 2nd place, owner unknown.

CLASSIFIED ADS

"THE GLASS INSULATOR-A COMPREHENSIVE REFERENCE"



This book represents nearly 7 years of research and collecting, and is the fifth book by the authors. In just two months it has been praised as one of the best books in the field by collectors, dealers and other authors. It contains 144 pages plus 13 pages of Price Trends. 600 insulators are beautifully photographed and arranged by company. The newly revised

CD numbers and a history of most companies with description and prices for nearly 1200 different insulators make this popular and a must for beginners as well as advanced collectors. \$6.00 P.P. or send a large S. A. S. E. for a free sample page and our latest list. California residents add 6% sales tax please. GARY CRANFILL, 5536 KEONCREST CL. #2, SACRAMENTO, CAL. 95841.

INSULATOR - BOTTLE - SHOW

SUNDAY, OCTOBER 28 9 AM - 4:30 PM
I. B. E. W. HALL 1211 WILEY BLVD SW

CEDAR RAPIDS, IOWA

Free Parking Motel & Restaurant close
1-8 ft. table \$6.50 Admission 50¢

Contact:

Dale L. Vincent
283 22nd Ave. SW
Cedar Rapids, IA 52404
(319) 365-2480

Noel J. Motter
2865 2nd Ave
Marion, IA 52302
(319) 377-6041

A NEW BOOK! Milholland's 2nd revision, MOST ABOUT GLASS INSULATORS lists 2650 insulators (650 additional), hard cover, 250 pages. \$10.00. 1974 price list \$1.50 additional. PORCELAIN INSULATORS PICTURED, PRICED, Terrill, \$3.00. Woodward's GLASS INSULATOR IN AMERICA \$4.25. Milholland's REFERENCE BOOK, 1000 insulators, \$4.50. Price list \$1.50 extra. Tod's PORCELAIN INSULATORS, 203 pages, hard bound, \$10.00. Tod's SUPPLEMENT "A" \$1.95. KNOWLES CATALOGUE 1902 REPRINT 50 pages, \$3.00. LOCKE 1907 CATALOGUE REPRINT, 61 pages, \$3.00. Above pair, \$5.00. These reprints have been reviewed and recommended for purchase by N. R. Woodward, Jack Tod, CROSS ARMS, and Crown Jewels. Need we say more? Order your copies today. Frank Peters BOOKS, 1240 Kearney, Fresno, Calif, 93706.

FOR SALE - CD 459 Boston, aqua (M)-\$250; CD 765 threadless, 2 pin slots, no emb. (VG)-\$300; CD 410 National Corkscrew, aqua (M)-\$80; CD 456 American one date, base emb., aqua (M)-\$30; CD 112 S. F., aqua, (M)-\$20; CD 162 T-H. E. CO/Pat. Nov. 13, 1883, aqua, (M)-\$25; CD 731 McKee (dug) slight crack in wire groove, aqua-\$175; CD 145 American base emb., olive. (M)-\$30; CD 185 Hem 95, aqua (M)-\$50; CD 162 Ft. W. E. CO. /Pat Nov 13, 1883, aqua (NM)-\$35; CD 731 No name threadless, three piece botton mold, blue aqua (VG)-\$125; CD 1001 Cutter, aqua (NM)-\$95. Bob Meszaros, Church Rd., Titusville, NJ 08560.

THIS SPACE --- and --- over 1,800 subscribers are waiting for your ad.

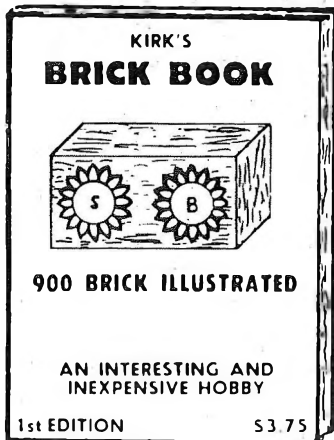
CD 252- Lynchburg No. 2 Cable, aqua \$26.50. Mc-Laughlin No. 62 aqua \$15.00. Knowles, arc embossed, prism, June 17, 1890, Knowles No. 2 Cable \$45.00 lime green. Hemingray amber \$25.00. Maydwell 62 straw \$35.00. Hemingray No. 62 aqua \$12.00. All orders \$20.00 up postpaid, insured. Under postage extra. Please enclose SASE. The Martins. P.O. Box 290, Grannis, AK 71944.

PLUTO, repaired nicely \$190.00, E. C. & M's, dark & light aqua, \$35. and \$40. E. C. & M pegs 50¢ ea. Metal ramshorn C. P. R. R. (M) \$22.50, damaged glass \$15.00, Brooks pat. mint \$20.00; square ramshorn wood specimens \$9.00; square wood specimens good cond. \$15.00 Rae Stanger, 720 Bryan, Salt Lake City, Utah 84105.

SPECIALTY COLLECTOR needs better and unusual CD 160 and Amer. Ins. Co. Jerry Wagner, 15 N. Demarest Ave., Bergenfield, NJ 07621.

Insulator collector has rare No. 4 Cable, aqua CD 267 very near mint for trade. Want threadless, Boston Bottle Works, ERW, or others along this line. Mary Beth Keubel, 229 Lind Ave., Hillside, IL 60162.

FOR SALE: CD 126 Brookfield, lime green--\$25; CD 102 OVG--\$3; CD 121 U. S. Tel & Tel.--\$10; CD 254 # 3 Cable--\$23; CD 147 Hemingray--\$6; CD 521 51-C1A amber--\$15; CD 102 Brookfield, SCA--\$5; CD 164 Brookfield #38 aqua--\$35; CD 462 PLW--\$30; CD 145 B w/drips (some drip point damage)--\$4. FOR TRADE: CD 190/191 PRR, aqua, mint. M-VNM unless stated otherwise. Ed Szymala, J-137 Belmont Plaza Apts., King of Prussia, PA 19406. (215) 265-6679.



NEW BOOK ON COLLECTING
MARKED BRICK

Pocket size-soft back-not a price guide. \$3.75 + 25¢ for postage & handling. 40% dealer discount on 6 or more.

W. E. KIRKWOOD

222 N. Athenian Wichita, KS 67203

CD 143 - Canadian Pacific Ry. Co. raised in block, aqua \$16.00. Canadian Pacific Ry. Co. purple \$22.00. Canadian Pacific Ry Co. Standard, purple \$27.50. Standard, aqua \$12.00. Canadian Pacific, light aqua \$10.00. Dwight Pattern, light green \$17.50. CPR Standard, aqua \$12.00. CNR Standard aqua \$20.00. Montreal Telegraph Co. green \$65.00. All orders \$20.00 up Postpaid, insured. Under postage Extra. Please enclose SASE. The Martins, P.O. Box 290, Grannis, AK 71944.

I have a few copies of the First Edition-Collectible Porcelain Insulators left. They are fine for beginners. \$2.25 post paid. Gerald Brown, Two Buttes, CO 81084.

**Gerald Brown's "SECOND EDITION"
of "COLLECTABLE PORCELAIN INSULATORS"**

Not a supplement.

A COMPLETE guide for porcelain insulator collectors.

175 pages 8½" x 11" Plastic ring binding

Pictures and drawings describe over 700 porcelain insulators.

From Author **Gerald Brown**
Two Buttes, Co. 81084
\$6.00 P.P.)

 *
 * 1ST ANNUAL *
 * HOOSIER INSULATOR COLLECTORS *
 * (FALL SHOW) *
 * AND *
 * AUCTION ON SUNDAY 1:00 P.M. *
 * LIGHTNING RODS & BALLS AND BOTTLES WELCOME *
 * SEPT. 29-30, 1973 *
 * COLUMBIA CITY, IND. *
 * WHITLEY COUNTY 4-H BUILDING *
 * 75+ TABLES *
 * RESERVATION NEEDED BY SEPT. 20 *
 * TABLE PRICES *
 * 1 DAY \$8.00 2 DAYS \$15.00 *
 * EACH TABLE RESERVED FOR 2 DAYS WILL RECEIVE 1 *
 * TICKET TO THE OX-ROAST SEPT. 29 AT AMERICAN *
 * LEGION HOME. *
 * SECTION FOR DISPLAY LIMITED *
 * FIRST COME - FIRST SERVED *
 * AWARDS LUNCH COUNTER *
 * DOOR PRIZES PUBLIC ADMISSION \$.50 *
 * DEALER SETUP 7-9 AM OPEN TO PUBLIC 9 AM-5:30 PM *
 * INFORMATION & CONTRACT *
 * PAUL H. HOUP *
 * 211 S. CHAUNCEY ST. *
 * COLUMBIA CITY, IND. 46725 *
 * (219) 244-5840 *

Milholland's 2nd Revision
MOST ABOUT GLASS INSULATORS
MORE THAN 2600 INSULATORS DESCRIBED
INCLUDING OVER 100 THREADLESS

New revised consolidated design numbers. History and personal photos as well as insulator machine designs by "BROOKFIELDS." Beautiful full scale photos, over 300 pages, hard cover book.

\$10.00 Post Paid

MILHOLLAND'S FAVORITE #2 BOOK—FOR THE BEGINNER

About 700 insulators described with full scale photos, drawings and descriptions.

\$4.50 Post Paid

1974 GRADED SUGGESTED PRICE LIST

\$1.50 Post Paid

From your dealer or—M. Milholland R. #2 Box 368 Sequim Wash.
 98382—Phone-1-206-683-4598

CD#	NAME AND / OR EMBOSING	COLOR	CONDITION	PRICE
121	R. GOOD JR DENVER COLO 16	PURPLE	V.V.V.N.M.	\$ 22.50
121	McLAUGHLIN 16	BLACK GLASS	MINT	5.50
134	STAR (WITH DRIPS)	AQUA	V.N.M.	42.50
134	W.F.G. CO DENCER COLO	OFF CLEAR	V.V.N.M.	8.00
143	CANADIAN PACIFIC RY CO	DARK PURPLE	N.M. ALMOST VNM	9.00
145	T.H.E. CO	AQUA	V.V.N.M.	100.00
154	WHITALL TATUM 1	PURPLE	MINT	4.50
160	CALIFORNIA	SMOKE	MINT	9.00
162	W. BROOKFIELD NEW YORK THIS IS A LARGE HEAVY PIECE OF GLASS EXCEPTIONALLY GOOD COLOR	PURPLE	MINT	75.00
162	H.G.CO.	COBALT (BRIGHT BLUE)	V.V.N.M.	20.00
205	LYNCHBURG 530 WITH DRIPS	AQUA	V.V.V.N.M.	24.00
	BROOKFIELD 53 TRANS. <u>RARE RARE</u>	GREEN (NOT AQUA)	SMALL ISC	21.00
	GAYNER 530 WITH DRIPS	LIGHT GREEN	V.V.V.N.M.	14.00
	LYNCHBURG 530 NO DRIPS	AQUA	V.V.N.M.	13.00
	GAYNER 530 NO DRIPS	AQUA	MINT	9.00
234	PYREX 63	DARK CARNIVAL	MINT	8.50
240	PYREX 131 (SCARCE)	CLEAR	V.N.M.	15.00
245	T H 9200 (RARE)	LIGHT AQUA	MINT	100.00
254	HEMI. # 3 CABLE (NO DRIPS)	AQUA	MINT	27.50
256	MANHATTAN (PATENT DATE)	GREEN	V.V.N.M.	40.00
257	HEMINGRAY 60 WIDE GROOVE	ELECT BLUE	M-V.N.M.	12.00
	HEMINGRAY 60	EJECT. BLUE	M-V.N.M.	8.00
	HEMINGRAY 60 WIDE GROOVE	CLEAR	MINT	6.25
	HEMINGRAY 60	CLEAR	MINT	4.75
262	NO 2 COLUMBIA	GREEN	V.V.V.V.N.M.	120.00
	NO 2 COLUMBIA	AQUA	V.V.V.V.N.M.	100.00

ROBERT H. GREEN 1703 NE 72 TERR. GLADSTONE, MISSOURI PHONE 1-816-GE 6-0953
SATISFACTION GUARANTEED--10 DAY RETURN PRIVILEGE--POSTAGE \$1.00 FOR FIRST INSULATOR
AND .50 CENTS FOR EACH ADDITIONAL--POSTAGE AND INSURANCE PAID ON ORDERS OF \$50.00

AUGUST SPECIAL-----1 CD145 THE CO AQUA V.V.N.M. AND 1 CD245 T H 9200 LIGHT AQUA MINT
FOR \$170.00 POSTAGE AND INSURANCE FEE PAID.

FOR SALE the beautiful T-H 9200 CD 245 mint \$150.00. Will trade. I need CD 130, CD 436, CD 206, CD 262, CD 269 and other good glass. Also have for trade CD 108 Whitall Tatum purple, CD 102 Hawley, CD 112 S. B. T. & T. CO., CD 126 Cauvets embossed below wire groove, CD 127 Cauvets April 4, 1870. E. L. Milner, 3850 Overbrook Dr., Columbia, S. C. 29205 (803) 787-9066.

We regret that due to an oversight the T-H 9200 in the above ad was incorrectly listed as \$50.00. The correct price should read \$150.00.

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 histories, etc. The standard for collectors and mail traders. Hardbound, 206 pages, \$10 postpaid. Also latest Supplement, \$1.95 postpaid. Jack H. Tod (CA), 3427 N. 47th Place, Phoenix, Arizona, 85018.

Yankee Polecats Insulator Club

SWAP MEET AND SHOW

Sunday, Oct. 28th

9:00 A.M. - 4:00 P.M.

NEW ENGLAND ELECTRIC CO

Route 9

Westboro, Mass.

Tables: (6ft) Members \$3.00 Non-Members \$5.00

Public Admission 25¢

Food & Beverage will be available

3 ribbons will be awarded

THE MILHOLLANDS WILL BE PRESENT

Send Reservations to:

Judy Cossaboom

15 Springhill Ave.

Bridgewater, Mass. 02324

Tel. (617) 697-4470

CD 231-Kimble 820, clear \$4.00; CD 531-Kimble 820, clear \$4.00; CD 272-Whitall Tatum 511A, deep amber \$4.00; CD 272-Armstrong's 511A, deep amber \$4.00; CD 205-Hemingray 55, aqua \$4.00; Buy 5, and get one of your choice free. All mint postpaid. Tony Petrarca, 5144 Mayview Rd., Cleveland, Ohio 44124.

SALE OR TRADE: CD 133 Oakman, CD 206 straw castle, CD 267 #4 Cable, CD 110 Brookfield, CD 117 & olive green, CD 263 Columbia, #2 Columbia. Jerry Wagner, 15 N. Demarest Ave., Bergenfield, NJ 07621.

FOR SALE= white porcelain--same shape as a U511 only bigger (4" hi X 3 3/4" wide) (inc.) stamped on the ear. THOMAS--\$15.00; white U 503 (u.-g) PP inc 1956 on the ear--\$3.00; white, same shape as a U-501, (3 3/4 X 3 3/4) (r-e) O-B on the outer skirt--\$3.00; white U503 (u-g) CHANCE (on the ear); \$1.00; white U310 (inc) on the dome FP--\$4.00; white U 314 (inc) on the dome THOMAS--\$4.00; LOCKE 44, white porcelain (inc) on outer skirt--\$3.00. Postage and insurance extra. Ferd Huber, 385 Allendale Rd., King of Prussia, PA 19406.

ANTIQUÉ BOTTLE COLLECTORS OF MIDDLETOWN
BOTTLE AND INSULATOR SHOW

Sunday, October 7th

Xavier High School

Randolph Rd. (Route 9, Exit 11) Middletown, Conn.

Doors open 8:00 for dealers--General Public 10-5:00
6 ft. tables-\$8.00- Ribbons awarded for best displays
General Admission 50¢

Contact: Mrs. Henry Schmittberger

Alger Rd.

East Haddam, Conn.

Tel. 873-8450

**JUMBO
SHOW**

2ND

**JUMBO
SHOW**

CHICAGO MID-WEST NATIONAL INSULATOR SHOW

KANE COUNTY FAIRGROUNDS

Oct. 12 - 13 - 14

FREE FRIDAY - "Wheeler-Dealer" Day

Dick Augustyn



Larry Veneziano

- Acres of Parking
- 200 plus Tables
- Super Large Bldg.
- Dealer-Collector
- Display Tables
- Show Ribbons
- Awards
- Food Served

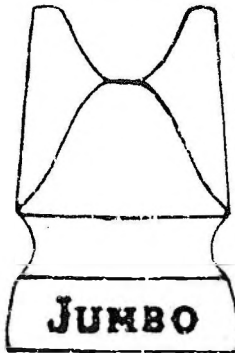
Admission to Fair Grounds
\$1.00 Each

No Additional Admission
Inside - Or - Outside

Display Tables Welcomed

A SPECIAL FEATURE:
LIGHTNING ROD BALLS
WEATHER VANES AND ARROWS

BOTTLES WELCOME



SHOW

FAIRGROUNDS

(at Randolph)

Thru St. Charles on R. 64

St. Charles, ILL.

JUMBO SHOW

Time

8 a.m. TO 8 p.m.

200 plus Tables

Acres of Parking

For Reservations:

Veneziano

324 Beuthorne Dr.

Bensenville, Ill. 60106

Phone (312) 766-3700

FREE FRIDAY
"Wheeler-Dealer" Day

1 - TABLE	1 - DAY	\$ 12.00
1 - TABLE	2 - DAYS	\$ 20.00
2 - TABLES	2 - DAYS	\$ 30.00
3 - TABLES	2 - DAYS	\$ 45.00

(BOOTH)

Send large S. A. S. E. for insulator list. Am marking down! Have common to rare. Rae Stanger, 720 Bryan, Salt Lake City, Utah 84105.

BABY SIGNALS CD 160: H. G. Co. May 2, 1893 Petti-coat, aqua \$10.00. McLaughlin No. 14, light green, \$6.50. W. Brookfield, Nov. 16, 1883, light green \$10.00. Hemingray USA, dps. \$5.50. Lynchburg No 32, dps, light aqua \$18.00. Maydwell dps \$8.00 California, smoke \$10.00. McLaughlin, blackglass \$12.00. Brookfield New York, aqua \$5.00. All orders \$20.00 and up postpaid, insure. under postage extra. Please enclose SASE, The Martins, P. O. Box 290 Grannis, AK 71944.

SALE	OR	TRADE
CD 249 Hem # "O" Provo vvm		\$150.00
CD 102 double star, aqua, w/wedge dps vvm		100.00
CD 206 Castle, lt. aqua 2 parapets chipped		125.00
CD 102 NEGM, green w/1 1/2" nail imbedded,	M	35.00
CD 151 No name "7" chip on wire groove, aqua		10.00
CD 289 Fred M Locke, "BB" ping, aqua		35.00
CD 162 Ft WECO. aqua vvm		30.00
CD 194/195 Hemingray, sca, mint 54 A&B		35.00
Porcelain (mottled) "mickey mouse" vvm		35.00
CD 322 Pyrex, clear, mint, 233		15.00

and many more send me your wants. Need postage & insurance. Mr. Rex May, 428 S 73rd East Ave. Tulsa, Okla. 74112.

FOR SALE: Mint CD 150 Brookfields, aqua \$100 ea.; and CD 320 Pyrex 171 Carnival, \$20.00 ea.; plus postage, Art Kottman, 101 Namkee Road, Blue Point, New York 11715 tel. (516) 363-2090.

HAVE A BALL AT THE MALL IN THE FALL



Eastern Insulator Club's --- 4TH Annual Show and Sale

Sunday, Nov. 4TH, 1973, Springfield, Va.

Springfield Mall Shopping Center
Springfield, Virginia

10 A.M. till 7 P.M.
Public Admission - 50¢

The MILHOLLAND's, authors of Most About Glass Insulators and Revisions 1 & 2, plan to attend. Mr. Milholland's new book, Revision # 2, offers more information on threadless insulators and production facts and figures on various manufacturers.

FREE ADMISSION TO MEMBERS OF THE EASTERN INSULATOR CLUB NOT SELLING OR DISPLAYING

Awards-Door prizes

	Cost per table	1/2 table
Non-member	- \$6	\$4
Member	- \$3.50	\$2.50

Display tables are free, but number of tables is limited and reservations should be sent in early.

Jim Garrity, Editor of CROSS ARMS Magazine, will attend the show and CROSS ARMS awards will be presented for the best displays.

For reservations or further information, call or mail form below to:
J. A. Barron
6815 Darby Lane
Springfield, Virginia 22150 703-971-1647

Please reserve _____ table(s) in my name in the following categories:
Enclosed is check - - - - M. O. for \$ _____

- | | | |
|---------------------------------------|--|---|
| <input type="checkbox"/> - Sell Only | <input type="checkbox"/> - Display Only | <input type="checkbox"/> - Sell & Display |
| <input type="checkbox"/> - Full Table | <input type="checkbox"/> - Beginners Glass | If you check this box, please indicate which class you will be displaying in. |
| <input type="checkbox"/> - 1/2 Table | <input type="checkbox"/> - Advanced Glass | |
| tables are 3 x 8 | <input type="checkbox"/> - Ceramics | |

NAME _____ ADDRESS _____

Please make checks payable to - The Eastern Insulator Club.

check here if you would like more information about the EASTERN INSULATOR CLUB.

Doors will be open to participants at 8 a.m. - Persons sending in forms will receive by return mail a map and information on Motel accommodations.

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.

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.

J. R. DOUGHERTY
PRINTING SERVICE

300 PROSPECT AVE., BRIDGEPORT, PA. 19405

Telephone: 272-7394

**CROSS
ARMS**

367 Signal Hill Road
King of Prussia, Pa.
19406

RETURN POSTAGE GUARANTEED

JOHN R. SNYDER
244 WAGGONER
TOLEDO, OH 43612



FIRST CLASS MAIL

