

PLAINTIFF'S EXHIBIT

NSC-36d

# *Transactions*

5TH NATIONAL SAFETY CONGRESS



VOLUME I

Annual Meeting, Banquet, Women's Activities,  
Index to all Volumes and Exhibitors

BOARDS

NATIONAL SAFETY COUNCIL, INC.  
20 NO. WACKER DRIVE • CHICAGO 6, ILL.

# 35th National Safety Congress Transactions

Title	Vol.
Annual Meeting, Banquet, Women's Activities, Index to all Volumes and Exhibitors.....	1
American Society of Safety Engineers and Subject Sessions.....	2
Aircraft Manufacturing Section.....	3
Air Transport Section.....	4
Automotive and Machine Shop Section.....	5
Cement and Quarry Section.....	6
Chemical Section.....	7
Coal Mining Section.....	8
Commercial Vehicle Section.....	9
Construction Section.....	10
Food Section.....	11
Industrial Nursing Section.....	12
Marine Section.....	13
Meat Packing, Tanning and Leather Industries Section.....	14
Metals Section.....	15
Mining Section.....	16
Paper and Pulp Section.....	17
Petroleum Section.....	18
Power Press Section.....	19
Public Utilities Section.....	20
Railroad Section.....	21
Rubber Section.....	22
Textile Section.....	23
Traffic Section.....	24
Wood Products Section.....	25
Farm Safety.....	26
Home Safety.....	27
School and College Sessions.....	28
Psychology You Can Use (Early Morning Sessions).....	29

## PRICES OF EXTRA COPIES OF INDIVIDUAL VOLUMES TO MEMBERS

VOLUME SIZE	<i>1 to 9 copies</i>	<i>10 to 99 copies</i>	<i>100 to 999 copies</i>	<i>1000 or more</i>
Less than 24 pages—	\$.20 ea.	\$.15 ea.	\$.15 ea.	\$.15 ea.
24 to 48 pages—	.25 "	.20 "	.20 "	.20 "
49 to 96 pages—	.35 "	.30 "	.30 "	.30 "
over 96 pages—	.50 "	.45 "	.45 "	.45 "
Complete set of Transactions (29 volumes)—	\$5.00			

NON-MEMBER prices are double member prices.

# TRANSACTIONS

1948 National Safety Congress  
Volume 1

Officers, Trustees, and Board of Directors .....	3
Annual Council Meeting	
Minutes .....	9
What Now and What Next? .....	11
Chill the Thrill in Reckless Driving .....	14
Safety in Business and Business in Safety .....	17
National Recognition of the Safety Movement .....	19
Report of the Vice-President for Finance .....	20
Banquet	
Report from Tokyo .....	23
Women's Activities	
Home Safety in Action .....	29
Safety Exposition Exhibitors .....	33
Index .....	41

MP  
614.8  
N195  
(Stall)

#



**NATIONAL SAFETY COUNCIL**  
20 North Wacker Drive • Chicago, Illinois

# OTHER VOLUMES

*in this Series*

Many users of this volume will also find much value in its companion volumes. Here is the list:

<b>TITLE</b>	<b>VOLUME No.</b>
Annual Meeting, Banquet, Women's Activities, Index to all Volumes and Exhibitors.....	1
American Society of Safety Engineers and Subject Sessions.....	2
Aircraft Manufacturing Section.....	3
Air Transport Section.....	4
Automotive and Machine Shop Section.....	5
Cement and Quarry Section.....	6
Chemical Section .....	7
Coal Mining Section.....	8
Commercial Vehicle Section.....	9
Construction Section .....	10
Electrical Equipment Section.....	11
Food Section .....	12
Glass and Ceramics Section.....	13
Industrial Nursing Section.....	14
Marine Section .....	15
Meat Packing, Tanning and Leather Industries Section.....	16
Metals Section .....	17
Mining Section .....	18
Petroleum Section .....	19
Power Press Section.....	20
Printing and Publishing Section.....	21
Public Employees Safety Committee.....	22
Public Utilities Section.....	23
Pulp and Paper Section.....	24
Railroad Section .....	25
Rubber Section .....	26
Textile Section .....	27
Traffic Section .....	28
Transit Section .....	29
Wood Products Section.....	30
Farm Safety .....	31
Home Safety .....	32
School and College Sessions.....	33
The Human Side of Safety (Early Morning Sessions).....	34

## PRICES OF EXTRA COPIES OF INDIVIDUAL VOLUMES TO MEMBERS

VOLUME SIZE	<i>1 to 9 copies</i> Each	<i>10 to 99 copies</i> Each	<i>100 to 999 copies</i> Each	<i>1000 or more</i> Each
Less than 24 pages—	\$0.25	\$0.20	\$0.15	\$0.15
24 to 48 pages—	.30	.25	.20	.20
49 to 96 pages—	.40	.35	.30	.30
Over 96 pages—	.60	.55	.50	.50

Complete set of Transactions (34 volumes)—\$6.00

NON-MEMBER prices are double member prices, except volumes 28, 31, 32 and 33.

**NATIONAL SAFETY COUNCIL • 20 N. WACKER DRIVE • CHICAGO 6, ILL.**

**Current Safety Topics in the**

# **GLASS AND CERAMICS INDUSTRY**

**As presented in the  
Sessions of the Glass and Ceramics Section  
at the 1948 National Safety Congress**

Can Safety Attitudes Be Changed? .....	4
Heat and Radiation in Glass and Ceramic Trades .....	8
Dust Control in a New Type Glass Batch House .....	10
Vision in Safety .....	12

**Volume 13  
Transactions  
1948 National Safety Congress**



**NATIONAL SAFETY COUNCIL**  
Lester Drive • Chicago 6, Illinois

# What's New...

In safety, as in all other human activities, the question is repeatedly asked, "What's new?"

Many answers to that question are given every year by those who participate in the various sessions of the National Safety Congress. Many new methods, devices, and ideas which later became generally accepted first were presented at a Congress session.

Because of this fact, safety directors throughout the nation have always found the Transactions of the Congress a valuable tool in their accident prevention programs. Publication of the Transactions in small volumes—one for each Section or Division—permits wide distribution of pertinent portions of the Congress material to management and supervisory personnel at small cost.

The 34 volumes of the 1948 Congress Transactions are listed on the last page. Distribution of these volumes to key personnel is suggested as a valuable aid in the safety program.

In preparing these Transactions the proceedings of the Congress have been condensed and edited for reference purposes. Complete original manuscripts, with any charts or illustrations which were used, are available in National Safety Council files. Views expressed at the Congress or in this record are those of the Congress participants, and not necessarily those of the National Safety Council.

---

## THE GLASS AND CERAMICS SECTION

This volume is a record of the sessions held at the 1948 National Safety Congress by the Glass and Ceramics Section. The conduct of these Congress sessions each year is only one of the many cooperative activities which the Glass and Ceramics Section carries on in behalf of its members, and for the benefit of accident prevention work in the glass and ceramics industry generally. The Section gives guidance in the preparation of a great variety of technical and educational material useful in the day-to-day safety programs of glass and ceramics plants. The activities of the Section are under the direction of its Executive Committee, the members of which are listed on page 19 of this volume.

# Current Safety Topics in the **GLASS AND CERAMICS INDUSTRY**

As presented in the  
Sessions of the Glass and Ceramics Section  
at the 1949 National Safety Congress

A Safety Program in a Ceramic Refractories Plant.....	4
Hazard Control for Glass Batch Plants.....	8
An Engineering Educator Cites the Need for Safety Engineering .....	10

**Volume 12  
Transactions  
1949 National Safety Congress**

**NATIONAL SAFETY COUNCIL**  
20 North Wacker Drive • Chicago 6, Illinois



# *Officers of the* **GLASS AND CERAMICS SECTION**

**NATIONAL SAFETY COUNCIL 1949-50**

*Chairman*—JOHN P. STEPHENSON, Director of Safety & Health, Ball Brothers Company, Muncie, Ind.

*Vice-Chairman*—JAMES L. MORRIS, Federal Glass Company, Columbus, Ohio.

*Secretary*—J. C. DITTMER, National Lead Company, Brooklyn, N. Y.

*Program Committee*—THOMAS R. DONOGHUE (Chairman), Pittsburgh Plate Glass Company, Pittsburgh, Pa.; HERMAN L. WEYRICK, Imperial Glass Company, Belaire, Ohio; H. V. GARDNER, Owens-Illinois Glass Company, Toledo, Ohio; FRED G. ANDERSON, Corning Glass Works, Corning, N. Y.

*Membership Committee*—JAMES L. MORRIS (Chairman), Federal Glass Company, Columbus, Ohio; RUSSEL W. FRANK, Ferro Enamel Corporation, Cleveland, Ohio; DALE KUHLMAN, Libby Owens Ford Glass Company, Toledo, Ohio.

*New Letter Committee*—DICK KALE (Chairman), Owens-Corning-Fiberglas Corporation, Newark, Ohio; JAMES J. HOWELL, Safety Director, Libby Owens Ford Glass Company, Charleston, W. Va.; BERNARD P. CAMPBELL, Safety & Plant Protection Supervisor, Owens-Corning-Fiberglas Corporation, Newark, Ohio; JOHN B. FULLEN, Kopp Glass Incorporated, Swissvale, Pa.; WILLIAM K. STEVENS, A. P. Green Fire Brick Company, Mexico, Mo.

*Engineering and Health Committee*—FREDERICK S. KRIGER (Chairman), Corning Glass Works, Corning, N. Y.; HARRY A. JACKSON, Frigidaire Division, General Motors Corporation, Dayton, Ohio; W. G. HAZARD, Owens-Illinois Glass Company, Toledo, Ohio; KARL DUNN, Corning Glass Works, Corning, N. Y.; FRANK BURGOYNE, Norton Company, Worcester, Mass.

*Poster Committee*—ED LANGAS (Chairman), American Structural Products, Muncie, Ind.; WALTER WOOD, Kimble Glass Company, Vineland, N. J.; DICK KALE, Owens-Corning-Fiberglas Corporation, Newark, Ohio.

*Staff Representative*—FLOYD E. FRAZIER, National Safety Council, Chicago, Ill.

# *Officers of the*

## **GLASS AND CERAMICS SECTION**

### **NATIONAL SAFETY COUNCIL 1949-50**

*Chairman*—JOHN P. STEPHENSON, Director of Safety & Health, Ball Brothers Company, Muncie, Ind.

*Vice-Chairman*—JAMES L. MORRIS, Federal Glass Company, Columbus, Ohio.

*Secretary*—J. C. DITTMER, National Lead Company, Brooklyn, N. Y.

*Program Committee*—THOMAS R. DONOGHUE (Chairman), Pittsburgh Plate Glass Company, Pittsburgh, Pa.; HERMAN L. WEYRICK, Imperial Glass Company, Bellevue, Ohio; H. V. GARDNER, Owens-Illinois Glass Company, Toledo, Ohio; FRED G. ANDERSON, Corning Glass Works, Corning, N. Y.

*Membership Committee*—JAMES L. MORRIS (Chairman), Federal Glass Company, Columbus, Ohio; RUSSEL W. FRANK, Ferro Enamel Corporation, Cleveland, Ohio; DALE KUHLMAN, Libby Owens Ford Glass Company, Toledo, Ohio.

*Loss Letter Committee*—DICK KALE (Chairman), Owens-Corning-Fiberglas Corporation, Newark, Ohio; JAMES J. HOWELL, Safety Director, Libby Owens Ford Glass Company, Charleston, W. Va.; BERNARD P. CAMPBELL, Safety & Plant Protection Supervisor, Owens-Corning-Fiberglas Corporation, Newark, Ohio; JOHN B. FULLEN, Kapp Glass Incorporated, Swissvale, Pa.; WILLIAM K. STEVENS, A. P. Green Fire Brick Company, Mexico, Mo.

*Engineering and Health Committee*—FREDERICK S. KRIGER (Chairman), Corning Glass Works, Corning, N. Y.; HARRY A. JACKSON, Frigidaire Division, General Motors Corporation, Dayton, Ohio; W. G. HAZARD, Owens-Illinois Glass Company, Toledo, Ohio; KARL DUNN, Corning Glass Works, Corning, N. Y.; FRANK BURCOYNE, Norton Company, Worcester, Mass.

*Public Committee*—ED LANGAS (Chairman), American Structural Products, Muncie, Ind.; WALTER WOOD, Kimble Glass Company, Vineland, N. J.; DICK KALE, Owens-Corning-Fiberglas Corporation, Newark, Ohio.

*Staff Representative*—FLOYD E. FRAZIER, National Safety Council, Chicago, Ill.

# **Current Safety Topics in the GLASS AND CERAMICS INDUSTRY**

**As presented in the  
Sessions of the Glass and Ceramics Section  
at the 1950 National Safety Congress**

Controlling Accidents Through Engineering, Design, and Layout .....	4
Foreman's Training .....	6
Induction Programs .....	8
Safe Operation of "Stand-By Fuel Systems" .....	11
Safety Program for Tank Repair in Glass Plants .....	18

**Volume 12  
Transactions  
1950 National Safety Congress**

**NATIONAL SAFETY COUNCIL  
425 No. Michigan Avenue • Chicago 11, Ill.**



# *Officers of the* **GLASS AND CERAMICS SECTION**

**NATIONAL SAFETY COUNCIL 1950-51**

*General Chairman*—JAMES L. MORRIS, Federal Glass Co., Columbus, Ohio.

*Vice-Chairman*—J. C. DITTMER, National Lead Co., Brooklyn, N. Y.

*Secretary*—THOMAS R. DONOGHUE, Pittsburgh Plate Glass Co., Pittsburgh, Pa.

*Program Committee*—FRED G. ANDERSON (Chairman), Corning Glass Works, Corning, N. Y.

*Membership Committee*—J. C. DITTMER (Chairman), National Lead Co., Brooklyn, N. Y.

*News Letter Committee*—JOHN B. FULLEN (Chairman), Kopp Glass Inc., Swissvale, Pa.

*Engineering and Health Committee*—W. G. HAZARD (Chairman), Owens-Illinois Glass Co., Toledo, Ohio.

*Poster Committee*—WALTER WOOD (Chairman), Kimble Glass Co., Vineland, N. J.

*Staff Representative*—ARTHUR S. KELLY, National Safety Council, Chicago, Ill.

(The complete list of officers was not available at the time of publication.)

1951

Current Safety Topics in the  
**GLASS AND CERAMICS  
INDUSTRY**

As presented in the  
Sessions of the Glass and Ceramics Section  
at the 1951 National Safety Congress

Medical Programs in Glass and Ceramic Industry and Small Plant Progress.....	5
The Cost of Public Accidents to Industry.....	8
Shielding for Radiant Heat in a Glass Plant.....	8

Volume 12  
Transactions  
39th National Safety Congress

BOARDS



MR  
614.8  
7195  
(Stbds)

**NATIONAL SAFETY COUNCIL**  
425 No. Michigan Avenue • Chicago 11, Ill.

# ***Officers of the***

# **GLASS AND CERAMICS-SECTION**

## **NATIONAL SAFETY COUNCIL 1951-52**

*General Chairman*—J. C. DITTMER, National Lead Company, Brooklyn, N. Y.

*Vice-Chairman*—THOMAS R. DONOGHUE, Pittsburgh Plate Glass Company, Pittsburgh, Pa.

*Secretary*—HARRY A. JACKSON, Frigidaire Division, General Motors Corp., Dayton, Ohio.

*Program Committee*—\*H. V. GARDNER (Chairman), Owens-Illinois Glass Company, Toledo, Ohio; \*JOHN P. STEPHENSON, Ball Brothers Company, Muncie, Ind.; \*JAMES L. MORRIS, The Federal Glass Company, Columbus, Ohio; \*FRED G. ANDERSON, Corning Glass Works, Corning, N. Y.

*Membership Committee*—THOMAS R. DONOGHUE (Chairman), Pittsburgh Plate Glass Company, Pittsburgh, Pa.; RUSSELL W. FRANK, Ferro Enamel Corp., Cleveland, Ohio.; BERNARD P. CAMPBELL, Owens-Corning Fiberglas Corp., Newark, Ohio; LEE B. HAWTHORNE, JR., A. P. Green Fire Brick Co., Mexico, Mo.; E. C. HARTUNG, Westinghouse Electric Corp., Derry, Pa.

*News Letter Committee*—\*JAMES L. MORRIS (Chairman), The Federal Glass Company, Columbus, Ohio; JOHN B. FULLEN, Kopp Glass Incorporated, Swissvale, Pa.; CLINTON BALLENGER, Owens-Illinois Glass Company, Gas City, Ind.; R. E. HORMBERG, The Cambridge Tile Mfg. Co., Cincinnati, Ohio.

*Engineering and Health Committee*—NELSON B. INGALLS (Chairman), The Norton Company, Worcester, Mass.; FREDERICK S. KRIGER, Corning Glass Works, Corning, N. Y.; W. G. HAZARD, Owens-Illinois Glass Company, Toledo, Ohio; H. WAUGH, Anchor Hocking Glass Corp., Lancaster, Ohio.

*Safety Promotion Committee*—WALTER W. WOOD (Chairman), Kimble Glass Company, Vineland, N. J.; A. L. THOMAS, Libbey, Owens, Ford, Shreveport, La.; PAUL E. GARRETT, Harding Glass Company, Ft. Smith, Ark.; J. H. GATTRELL, Blue Ridge Glass Corp., Kingsport, Tenn.

*Safety Contest Committee*—HARRY A. JACKSON (Chairman), Frigidaire Division, General Motors Corp., Dayton, Ohio; KARL W. STEINKRAUS, Owens-Illinois Glass Company, Alton, Ill.; R. H. LOWRY, Westinghouse Electric Corp., Derry, Pa.; J. R. HARSHMAN, Armstrong Cork Co., Dunkirk, Ind.

*Staff Representative*—HAROLD R. ALLEY, National Safety Council, Chicago, Ill.

\*Past General Chairman.