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**34th NATIONAL
SAFETY CONGRESS**

CHICAGO

October 9-12, 1947



VOLUME I

Part 1

**General Subject and
Industrial Sessions**

VOLUME I, Part 2, concludes the Industrial Sessions

**VOLUME II contains the Traffic, Commercial Vehicle, Transit,
School and College, Home, Farm and Women's Activities Sessions.**

National Safety Council, Inc.

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Foreword

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VOLUME I

THE Transactions of the 34th National Safety Congress and Exposition of the National Safety Council are published in two volumes. Volume I is published in two parts, of which this is Part 1, and contains the Annual Council Meeting, the Banquet, the general subject sessions, and the Industrial Section sessions. In Volume II will be found the Traffic, Commercial Vehicle, Transit, School and College, Home, Farm and Women's Activities sessions.

The Transactions are a record of the proceedings of the Congress, condensed and edited for reference purposes. They are, therefore, an abridged version of the papers and discussions. The original manuscripts, some of which have drawings and charts too expensive to reproduce here, are available in the files of the National Safety Council.

The National Safety Council, at its Congresses, seeks to eliminate from discussion matters which are not pertinent to the aims of the Congress, or which may be contrary to the Council's policies. However, it cannot accept responsibility for all views expressed, either in the discussions of the Congress itself or in this record of them.

Extra copies of Volume I (including Parts 1 and 2, which cannot be sold separately) may be obtained by Council members at \$2.50 each. The price to non-members is \$5.00 each. Extra copies of Volume II are \$1.25 each.

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Safety ideas, topics, and problems as personalities important in the safety, can be found by reference to the *Table of Contents* or to the end of Part 2 of the volume.

The *Table of Contents* lists (a) Sessions, (b) Subject Sessions and problems common to many industrial Section meetings.

Subject Sessions and Industrial are arranged alphabetically. In the book the several meetings of the Industrial Section are printed as the in the daily time schedule of the program.

The detailed alphabetical *Index* is easy to find specific safety material hundreds of items in three ways: (a) subjects discussed, i.e., absenteeism, safety shoes, welding; (b) special case of formal papers. *Speakers'* printed in italics; (c) Industrial, i.e., Chemical, Construction, Food etc. Under each Industrial Section the subjects of its complete program

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L. E. HOFFMAN, Inspector of Operation, St. Louis Southwestern Railway Lines, Tyler, Texas.

DR. J. W. HOUK, Medical Dir., Nickel Plate Road, Cleveland, Ohio.

C. L. LAFONTAINE, Gen'l. Safety Supervisor, Great Northern Ry., St. Paul, Minn.

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C. L. LAFONTAINE, General Safety Supervisor, Great Northern Ry., St. Paul, Minn.

A. A. LOWE, Supt. of Safety, Southern Pacific Co., San Francisco, Calif.

D. W. NAFF, Supt. of Safety, Norfolk & Western Ry., Roanoke, Va.

Staff Representative—L. W. DUTTON, National Safety Council, Chicago, Ill.

Presiding: L.

Vice

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