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TWENTY-FIRST ANNUAL
SAFETY CONGRESS

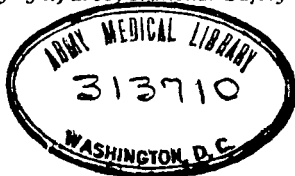


Washington, D. C.

October 3 to October 7, 1932

The Wardman Park and
Shoreham Hotels

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National Safety Council

Incorporated

20 North Wacker Drive, Chicago

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ASSOCIATION OF IRON AND STEEL ELECTRICAL ENGINEERS

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 ABRAHAM HALE, The Atchison, Topeka & Santa Fe Railway Co.
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 E. M. HEINSELMAN, Safety Bureau, Duluth Chamber of Commerce.
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 JOHN PRICE JACKSON, New York Edison Company.
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 RAND JONES, Woodworking and Lumber Manufacturing Section.
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 DEAN L. MOLER, Dayton Safety Council.
 B. MORLEY, Industrial Accident Prevention Associations.
 MILLER MCCLINTOCK, Harvard University.
 W. G. McCULLAM, Elizabeth Safety Council.
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 CHARLES F. SMITH, Rubber Section.
 C. W. SMITH, Standard Oil Company (Indiana).
 E. J. SMITH, Power Press Section.
 H. S. SMITH, ASSE—Engineering Section.
 R. T. SOLENSTEN, Accident Prevention Equipment Manufacturers' Section.
 E. C. SPRING, Lansdale, Montgomery Co., Pa.
 GEORGE R. STEPHENS, The Safety Bureau, Buffalo Chamber of Commerce.
 ETHELBERG STEWART, Washington, D. C.
 CARL STORCK, Automotive & Machine Shop Section.
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 ARTHUR M. TODE, Consulting Marine Engineer.
 W. D. TURBEVILLE, San Antonio Safety Council.
 WILLIAM F. VEECH, Rahway Safety Council.
 VINCENT WAKEFIELD, Kansas City Safety Council.
 GEORGE H. WARFEL, Union Pacific Railroad Company.
 DR. CASSIUS H. WATSON, American Telephone & Telegraph Company.
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 S. E. WHITING, Liberty Mutual Insurance Company.
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 W. H. WINANS, Union Carbide & Carbon Corporation.
 C. T. WINEGAR, Detroit Industrial Safety Council.
 DR. C.-E. A. WINSLOW, Yale Medical School.
 J. M. WOLTZ, Youngstown Sheet & Tube Company.

SEVENTY-FIRST ANNUAL SAFETY CONGRESS
NATIONAL SAFETY COUNCIL



Industrial Health Section

Officers 1931-32

Chairman—DR. LEONARD GREENBURG, Yale University, New Haven, Conn.
Vice-Chairman—DR. T. LYLE HAZLETT, Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa.
Secretary—DR. C. O. SAPPINGTON, Chicago.

MONDAY AFTERNOON SESSION

October 3, 1932

The first session of the Industrial Health Section convened at the Wardman Park Hotel, with General Chairman Dr. Leonard Greenburg, Yale University, New Haven, Conn., presiding. This session was devoted to the general subject "Health Work in the Small Plant." Chairman Greenburg welcomed the delegates and immediately introduced the first speaker.

Health Work in Small Plants

By GLENN S. EVERTS, M. D.

Medical Secretary, Philadelphia Health Council and Tuberculosis Committee, Philadelphia, Pa.

The speaker said in part: A large majority of industrial wage earners in the United States work in small plants; in fact, 98.7 per cent of the manufacturing establishments employ less than 500 people. However, it is only very recently that the problems of the small plant and the small plant employee have been given any intensive consideration comparable to that given the larger industries. In a survey of plants in the United States having medical departments, reported by the National Conference Board, less than 100 are plants employing fewer than 500 persons, and many of the health services are very incomplete.

It is now recognized that the development of health service in smaller plants is a primary problem of industrial health today. That the need for such service is as urgent as in larger plants is shown by the fact that health examinations conducted in small plants find less than 10 per cent of the workers free from physical defects, most of them of a correctible character.

Plants with less than 500 employees have especial difficulties in establishing medical departments. They do not have need for enough health work to justify an individual

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Aeronautical Section

Officers 1931-32

Chairman—LESTER D. SEYMOUR, Consulting Aeronautical Engineer, Chicago.
Vice-Chairman—CAPTAIN E. V. RICKENBACKER, Vice-President, American Airways, Inc.

WEDNESDAY MORNING SESSION

October 5, 1932

The session of the Aeronautical Section convened in the Shoreham Hotel with Vice-Chairman Captain E. V. Rickenbacker, Vice-President, American Airways, Inc., presiding. The vice-chairman welcomed the delegates and immediately introduced the first speaker.

Safety Factors in Air Transport and the Adaptation of "Blind Flight" Training to Schedule Airline Operation

By A. A. PRIESTER

Chief Engineer, Pan American Airways, Inc.

The speaker said in part: Probably no other division of man's development of mechanical forces so graphically illustrates a conscious and sustained effort to solve those factors which affect its dependability, as does the progress of air transportation. It was born and has continued under enormous difficulties. In ordinary transport, we have two primary elements affecting its inherent dependability, the mechanical and the personal. In air transportation you have an added third major element—the weather. Yet by tremendous strides, and largely within the past few years, the airplane has grown from a comparatively isolated experiment to a highly developed transport mechanism. Here in the Americas, for example, American aircraft manned by American crews cover 54,000 miles of regular airways, flying 24,000,000 miles on scheduled service every year, carrying close to half a million passengers and linking every important American city within the continental United States to the centers of industry and population in every country but two between Alaska and Argentina.

All this is graphic testimonial to the progress of air transport—not so much in the development of bigger airplanes; not in the improvements in mechanical design, as such; not in the remarkable advancements in speed; but rather does it reflect the

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A. S. S. E.—Engineering Section

Officers 1931-32

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Vice-Chairman—H. S. SMITH, Union Carbide and Carbon Corp., New York, N. Y.
Vice-Chairman—S. E. WHITING, Liberty Mutual Insurance Co., Boston, Mass.
W. DEAN KEEFER, National Safety Council, Chicago, Ill.
Secretary—GENE S. WOOD, New York, N. Y.

Large—

AINSWORTH, American Standards Association, New York, N. Y.
AUEL, Westinghouse Electric and Manufacturing Co., East Pittsburgh, Pa.
BANASH, Consulting Engineer, Chicago, Ill.
BECK, United States Rubber Co., New York, N. Y.
BLANK, Jones and Laughlin Steel Corp., Pittsburgh, Pa.
CULLINEY, Bethlehem Steel Co., Bethlehem, Pa.
HARTFORD, American Society Mechanical Engineers, New York, N. Y.
HUCKESTEIN, Pennsylvania Department of Labor and Industry, Pittsburgh, Pa. (Western Pennsylvania Chapter)
JAMES, Underwriters' Laboratories, Inc., Chicago, Ill.
JOHNSON, American Mutual Liability Insurance Co., Boston, Mass.
KEOWN, Industrial Commission of Wisconsin, Madison, Wis.
McCULLOCH, Bureau of Safety, Chicago, Ill.
MOWERY, American Abrasive Metals Co., New York, N. Y. (Metropolitan Chapter)
PLACE, American Mutual Liability Insurance Co. (Boston Chapter)
REGULA, Industrial Relations Counselors, Inc., New York, N. Y.
RISTEEN, The Travelers Insurance Co., Hartford, Conn.
ROSSELAND, Newark Safety Council, Newark, N. J.
SANFORD, General Electric Co., Schenectady, N. Y.
SMITH, United Engineers and Constructors Inc., Newark, N. J. (North New Jersey Chapter)
THALNER, Buick Motor Company, Flint, Mich.

TUESDAY EVENING SESSION

October 4, 1932

Session of the American Society of Safety Engineers—Engineering Section held in the Wardman-Park Hotel with General Chairman Doctor M. G. Keiffer presiding. The session, being held in the evening, was a unique idea, and

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Cement Section

Officers 1931-32

- General Chairman*—W. L. WHITE, JR., Medusa Portland Cement Co., Cleveland.
Vice-Chairman—DAVID ADAM, Lawrence Portland Cement Co., Northampton, Pa.
Secretary—A. J. R. CURTIS, Portland Cement Association, Chicago, Ill.
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Chairman Engineering Committee—FREDERICK B. HUNT, Nazareth Cement Co., Nazareth, Pa.
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W. W. HAMILTON, Alpha Portland Cement Co., Easton, Pa.
W. M. POWELL, Medusa Portland Cement Co., Cleveland, Ohio.

TUESDAY MORNING SESSION

October 4, 1932

The first session of the Cement Section convened in the Shoreham Hotel with General Chairman W. L. White, Jr., Medusa Portland Cement Company, Cleveland, Ohio, presiding. Chairman White immediately presented his annual report.

Annual Report of the Chairman

By W. L. WHITE, JR.

Medusa Portland Cement Company, Cleveland, Ohio

The speaker said in part: Speaking from personal experience, I find that one of the most difficult things in safety is to keep alive the interest in this wonderful work. You, as leaders, must make up your minds that it is going to be harder than ever before to carry on and attain what we all look forward to, that is, the complete elimination of accidents. We have a long rough road to reach our goal.

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NATIONAL SAFETY COUNCIL



Chemical Section

Officers 1931-32

- General Chairman*—JOHN S. SHAW, Hercules Powder Co., Wilmington, Del.
Vice-Chairman in Charge of Program—JOHN ROACH, Deputy Commissioner of Labor, Trenton, N. J.
Vice-Chairman in Charge of Membership—A. L. ARMSTRONG, Eastman Kodak Co., Rochester, N. Y.
Secretary and News-Letter Editor—RALPH O. KEEFER, Aluminum Company of America, Massena, N. Y.
Chairman Poster Committee—S. H. McKENTY, The Atlantic Refining Co., Philadelphia, Pa.
Chairman Statistics Committee—IRA V. KEPNER, Pennsylvania Salt Manufacturing Co., Philadelphia, Pa.
Chairman Engineering Committee—G. H. MILLER, E. I. duPont de Nemours & Co., Wilmington, Del.
Chairman Industrial Poisons Committee—DR. LEONARD GREENBURG, Yale Medical School, New Haven, Conn.
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F. E. CLANCY, JR., Mathieson Alkali Works, Inc., Niagara Falls, N. Y.
W. A. COOK, Connecticut State Board of Health, Hartford, Conn.
L. A. DEBLOIS, Consulting Engineer, New York, N. Y.
DR. H. E. HOWE, American Chemical Society, Washington, D. C.
S. D. KIRKPATRICK, Chemical and Metallurgical Engineering, New York, N. Y.
H. L. MINER, E. I. duPont de Nemours & Co., Wilmington, Del.
C. E. RICE, The Dow Chemical Co., Midland, Mich.
E. C. ROGERS, The Grasselli Chemical Co., Cleveland, Ohio.
E. J. SMITH, Underwriters' Laboratories, Chicago, Ill.
R. C. STRATTON, The Travelers Insurance Co., Hartford, Conn.
STANLEY WARZALA, Calco Chemical Co., Bound Brook, N. J.
S. E. WHITING, Liberty Mutual Insurance Co., Boston, Mass.

TUESDAY MORNING SESSION

October 4, 1932

The first session of the Chemical Section convened in the Wardman Park Hotel with Vice-Chairman A. L. Armstrong, Eastman Kodak Company, Rochester, New York, presiding. The first paper, prepared by Mr. Kepner, was read by C. E. Ralston, Safety Director, Pittsburgh Plate Glass Company, Pittsburgh.

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NATIONAL SAFETY COUNCIL



Construction Section

Officers 1931-32

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Vice-Chairman—W. G. WHEELER, Building Trades Employers' Assn., New York City.

Secretary—CHARLES H. BLACK, Stone & Webster Engineering Corp., Boston, Mass.

News-Letter Editor—ROBERT MCKINLEY, General Accident Fire and Life Assurance Corp., Detroit, Mich.

Chairman Poster Committee—C. C. MIDDLETON, Trinityfarm Construction Co., Dallas, Texas.

Chairman Membership Committee—EDGAR N. GOLDSTINE, Barrett & Hilp, San Francisco, Calif.

Chairman Program Committee—WM. F. TUBESING, Wm. F. Tubesing Co., Milwaukee, Wis.

Chairman Publicity Committee—R. D. MACMILLEN, Merritt-Chapman & Scott Corp., New York, N. Y.

Chairman Statistics Committee—J. C. FORESTER, The L. E. Myers Co., Chicago, Ill.

Chairman Engineering Committee—J. W. FOLLIN, Philadelphia Federation of the Construction Industry, Philadelphia, Pa.

Members at Large—

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W. R. RICHARDS, The Associated General Contractors of America, Inc., 1329 E. St., N. W., Washington, D. C.

GEORGE WIDUA, Builders & Manufacturers Mutual Casualty Co., Chicago, Ill.

TUESDAY AFTERNOON SESSION

October 4, 1932

The first session of the Construction Section convened in the Wardman Park Hotel with General Chairman John Russell, Jr., presiding. Chairman Russell welcomed those present and then presented his annual report, in which he summarized the year's activities and the reports of standing committees. Membership in the section, as of August 31st, was 223, showing a gain of 50 members over the previous year. A vigorous campaign for new members is planned for the coming year under E. N. Goldstine, chairman of the Membership Committee.

The news-letter editor and his three associate editors have done excellent work in presenting the news of the section during the year. The publicity committee has also been quite active in getting the news of safety progress to the outside world.

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Delivery, Taxicab and Bus Section

Officers 1931-32

- General Chairman*—MARCUS A. DOW, Greyhound Management Co., Cleveland, Ohio.
Chairman for Delivery Fleets—J. J. ZEITNER, Continental Baking Co., New York City.
Chairman for Taxicab Fleets—BENJAMIN SAMUELS, Yellow Cab Co., Chicago.
Chairman for Bus Fleets—MOSS PATTERSON, Oklahoma Transportation Co., Oklahoma City, Okla.
Secretary and News-Letter Editor—RICHARD LEONARD, The Taxi Weekly, New York City.
Chairman Poster, Slides and Safety Kinks Committee—H. V. SCHREIBER, The Capital Traction Co., Washington, D. C.
Chairman Program Committee—E. R. ALDEN, Vacuum Oil Co., Inc., New York City.
Chairman, Publicity Committee—AUSTIN W. STROMBERG, Power Wagon, Chicago.
Chairman Membership Committee—C. V. WELLS, Pillsbury Flour Mills Co., Minneapolis, Minn.
Chairman Statistics and Contest Committee—A. E. LUNDSTEADT, Bowman Dairy Co., Chicago, Ill.
Chairman Engineering Committee—G. F. C. TAYLOR, Shell Eastern Petroleum Products, Inc., New York City.
Members at Large—
ROBERT CLAIR, Liberty Mutual Insurance Co., Boston, Mass.
A. A. CLARKE, General Baking Co., New York City.
H. L. CUMMINGS, Yellow Cab Co., Richmond, Va.
DALE HARMAN, Yellow Cab Co., Kansas City, Mo.
T. A. HORROCKS, Minnesota Truck Owners Association, Minneapolis, Minn.
H. A. INNESS-BROWN, The Taxi Weekly, New York City.
T. R. JOHNSON, United Parcel Service of New York, New York City.
A. F. WAITE, The Green Cab Co., Cleveland, Ohio.
J. G. WILLIAMS, National Association of Taxicab Owners, Chicago, Ill.

MONDAY AFTERNOON SESSION

October 3, 1932

For the record of this joint session with the Street and Highway Traffic Section, see the separate small volume containing these transactions.

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Electric Railway Section

Officers 1931-32

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Vice-Chairmen—T. G. BRABSTON, Birmingham Electric Company, Birmingham, Ala.
PAUL HODSON, East St. Louis and Suburban Railway Co., East St. Louis, Ill.
RALPH C. BUSH, Transit Mutual Insurance Company, Boston, Mass.
Secretary—WALTER J. MCCARTER, The Cleveland Railway Co., Cleveland, Ohio.
News-Letter Editor and Chairman Publicity Committee—RAY A. FINCH, Bureau of Safety, Chicago, Ill.
Chairman Poster and Slides Committee—H. B. SCHREIBER, Capital Traction Company, Washington, D. C.
Chairman Program Committee—GEORGE R. WHITMORE, Illinois Power and Light Corporation, Peoria, Ill.
Chairman Membership Committee—C. P. RYAN, Indiana Electric Corporation, Indianapolis, Ind.
Chairman Statistics and Engineering Committee—A. A. OLDFIELD, Wisconsin Power and Light Company, Madison, Wis.
Chairman Health Committee—MELVIN W. BRIDGES, Chicago Rapid Transit Co., Chicago, Ill.
Members at Large—
E. K. EASTHAM, St. Louis Public Service Co., St. Louis, Mo.
R. W. EMMERSON, The Cleveland Railway Co., Cleveland, Ohio.
G. T. HELLMUTH, Chicago North Shore and Milwaukee Railroad Co., Chicago.
GLENN H. SHAW, Ohio Edison Co., Akron, Ohio.

TUESDAY AFTERNOON SESSION

October 4, 1932

Preceding the regular session, delegates gathered at an informal luncheon. The regular session was opened in the Shoreham Hotel with General Chairman Samuel H. Reid, Bureau of Safety, Chicago, presiding. After welcoming the delegates, the Secretary, Walter J. McCarter, presented the reports of standing committees. Membership in the Section is now 130 companies, which in view of present conditions in the industry, is a splendid representation. During the past year 450 safety posters have been issued by the National Safety Council suitable for the Section.

General Chairman Reid then discussed the question "Are we attaining our objectives?" He felt that results depended upon the point of view. Considered from the amount of actual accident reduction in the industry, the results have not been

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Food Section

Officers 1931-32

- General Chairman*—W. A. SULLIVAN, Loose-Wiles Biscuit Company, Kansas City, Mo.
Vice-Chairman (Membership)—HENRY J. MINEUR, The Borden Company, New York City.
Secretary & News-Letter Editor—M. E. HOUSER, B/G Sandwich Shops, Chicago, Ill.
Chairman Program Committee—R. E. PROUTY, Aetna Life Insurance Co., New York City.
Chairman Poster Committee—THOMAS STROBHAR, Wagner-Taylor Co., Philadelphia, Pa.
Chairman Statistics Committee—J. J. ZEITNER, Continental Baking Co., New York City.
Chairman Engineering & Publicity—J. J. LYONS, John F. Jelke Co., Chicago, Ill.
Executive Committee—The Officers and
WILL COOPER, Executive Offices, Stevens Hotel, Chicago, Ill.
ALEXANDER DIENST, The National Sugar Refining Co., Long Island City, N. Y.
FRANK A. HASSE, Corn Products Refining Co., Chicago, Ill.
VERN D. SUTTON, Postum Company, Inc., Battle Creek, Mich.
ERNEST D. FOWLER, Americus Hotel, Allentown, Pa.
ROBERT E. DAY, Kellogg Co., Battle Creek, Mich.
R. W. UPSHAW, Anheuser-Busch, Inc., St. Louis, Mo.

TUESDAY MORNING SESSION

October 4, 1932

The first session of the Food Section convened in the Wardman Park Hotel, with General Chairman Will A. Sullivan presiding. Chairman Sullivan welcomed the delegates, and then introduced the first speaker.

Common Sense Accident Prevention

By GLENN L. GARDINER

Assistant to the President, Forstman-Woolen Co., Passaic, N. J.

Common sense, said the speaker, is often found to be an uncommon faculty. A study of the causes back of the majority of accidents proves rather conclusively that common sense is uncommon. He cited a striking group of accidents all of which had been foolishly caused. He then said in part:

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Marine Section

Officers 1931-32

- General Chairman*—JOHN S. HUNTER, The Atlantic Refining Co., Philadelphia, Pa.
Vice-Chairman (In Charge of Posters and Slides)—ROBERT F. HAND, Standard Shipping Co., New York, N. Y.
Vice-Chairman (In Charge of Publicity)—ARTHUR M. TODE, Consulting Marine Engineer, New York, N. Y.
Vice-Chairman (For the Pacific Coast)—BYRON O. PICKARD, Pacific American Steamship Assn., San Francisco, Calif.
Secretary—ARTHUR R. BUSH, International Flare-Signal Co., New York, N. Y.
News-Letter Editor—HENRY BLACKSTONE, United States P. & I. Agency, Inc., New York, N. Y.
Chairman Program Committee—LEWIS L. SMITH, Merritt-Chapman & Scott Corp., New York, N. Y.
Chairman Engineering Committee—FRANK H. COGAN, The Delaware, Lackawanna and Western Railroad Co., Hoboken, N. J.
Chairman Membership Committee—W. E. STEWARDSON, Columbian Steamship Co., New York, N. Y.
Chairman Research and Statistics Committee—BENJAMIN H. SELF, Travelers Insurance Co., New York, N. Y.
- Members at Large*—
G. BARTLETT, Cosmopolitan Shipping Co., Hoboken, N. J.
GEORGE H. BATES, United Dry Docks, Inc., New York, N. Y.
D. R. DUNLAP, Alabama Dry Dock and Shipbuilding Co., Mobile, Ala.
B. C. EDWARDS, Grace Line, New York, N. Y.
CHARLES H. FLATHERS, Eastern Steamship Lines, Inc., Boston, Mass.
F. P. FOISIE, Shipping Federation of the State of Washington, Seattle, Wash.
F. C. GREGORY, United States Employees' Compensation Commission, Washington, D. C.
W. P. KAIN, Shipowners Claims Bureau, Inc., New York, N. Y.
E. J. ROBESON, JR., Newport News Shipbuilding and Dry Docks Co., Newport News, Va.
H. L. SEWARD, Yale University, New Haven, Conn., and American Bureau of Shipping, New York, N. Y.
A. J. SMITH, Marine Office of America, New York, N. Y.
C. STORY, JR., Cities Service Transportation Co., New York, N. Y.
FERN WOOD, Moore and McCormack, Inc., New York, N. Y.
JOHN WRIGHT, Export Steamship Corp., New York, N. Y.

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Meat Packing, Tanning and Leather Industries Section

Officers 1931-32

General Chairman—HENRY D. TEFFT, Institute of American Meat Packers, Chicago, Ill.

Vice-Chairman and News-Letter Editor—HARRY W. EKINS, Brown Shoe Company, St. Louis, Mo.

Secretary—JOHN LAUERMAN, Armour and Company, National Stock Yards, Ill.

Chairman Posters, Slides and Safety Kinks Committee—LOUIS E. KAHN, The E. Kahn's Sons Co., Cincinnati, Ohio.

Chairman Program Committee—HUBERT L. CLOVER, International Shoe Co., St. Louis, Mo.

Chairman Membership Committee—B. M. BOYCE, The Cudahy Packing Co., South Omaha Station, Nebr.

Chairman Publicity Committee—J. L. NELSON, Tanners' Council of America, New York, N. Y.

Chairman Engineering Committee—HAROLD M. TOOMBS, Armour and Company, Chicago, Ill.

Chairman Statistics Committee—A. J. DITTMER, Gutmann and Company, Chicago, Ill.

Members at Large—

N. L. BRAINARD, Swift & Company, Chicago, Ill.

A. B. DRUMMOND, Wilson & Co., Inc., Chicago, Ill.

E. E. DREWS, Libby, McNeill & Libby, Chicago, Ill.

W. F. McCLELLAN, Armour and Company, Chicago, Ill.

DEAN MONEYMAKER, International Shoe Company, St. Louis, Mo.

TUESDAY AFTERNOON SESSION

October 4, 1932

The first session of the Meat Packing, Tanning and Leather Industries Section convened in the Wardman-Park Hotel with W. F. McClellan, Armour & Company, Chicago, presiding. After a brief paper, prepared by General Chairman Tefft, containing a report of the activities of standing committees, the acting chairman introduced the first speaker.

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Metals Section

Officers 1931-32

- General Chairman*—F. A. LAUERMAN, Republic Steel Corporation, South Chicago, Ill.
- Vice-Chairman*—ROBERT L. SCHMITT, Louisville Car Wheel and Railway Supply Company, Louisville, Ky.
- Secretary and News-Letter Editor*—H. W. DARR, Bethlehem Steel Company, Johnstown, Pa.
- Chairman Program Committee*—S. W. DORAN, Pratt and Letchworth Company, Buffalo, N. Y.
- Chairman Membership Committee*—J. K. STAFFORD, Mississippi Valley Structural Steel Company, Decatur, Ill.
- Chairman Poster Committee*—H. M. CROGHAN, Inland Steel Company, East Chicago, Ind.
- Chairman Publicity Committee*—A. BERQUIST, The Youngstown Sheet and Tube Company, East Chicago, Ind.
- Chairman Statistics Committee*—T. A. SCHENDEL, Premier Malt Products Co., Peoria, Ill.
- Chairman Engineering Committee*—J. E. CULLINEY, Bethlehem Steel Company, Bethlehem, Pa.
- Chairman Committee on Slides and Safety Kinks*—J. A. OARTEL, Carnegie Steel Company, Pittsburgh, Pa.
- Chairman Health Committee*—DR. R. C. ENGEL, The Corrigan, McKinney Steel Company, Cleveland, Ohio.
- Chairman Foundry Committee*—F. G. BENNETT, The Buckeye Steel Castings Company, Columbus, Ohio.
- Chairman Railway Car Builders Committee*—P. J. BRAND, Pullman Car & Manufacturing Corporation, Pullman, Chicago, Ill.
- Members at Large*—
HARVEY G. HENSEL, The Youngstown Sheet and Tube Company, Chicago, Ill.
JOHN P. EIB, Illinois Steel Company, Joliet, Ill.
E. G. QUESNEL, St. Louis, Mo.
T. H. MCKENNEY, Illinois Steel Company, South Chicago, Ill.
E. F. BLANK, Jones & Laughlin Steel Corporation, Pittsburgh, Pa.
J. A. VOSS, Republic Steel Corporation, Youngstown, Ohio.
G. A. DAVIS, Illinois Steel Company, Chicago, Ill.
J. M. WOLTZ, The Youngstown Sheet and Tube Company, Youngstown, Ohio.
JOHN P. MUDD, The Midvale Company, Nicetown, Philadelphia, Pa.
W. E. MEGRAW, H. H. Robertson Company, Ambridge, Pa.
A. C. GIBSON, Spang, Chalfant & Company, Inc., Pittsburgh, Pa.
J. A. COLTRIN, National Radiator Corporation, Johnstown, Pa.
R. R. BURNS, American Radiator Company, New York, N. Y.

J. M. LATH, The Newton Steel Company, Monroe, Mich.
 A. L. BARK, Algoma Steel Corporation, Sault Ste. Marie, Mich.
 R. A. CHAFFIN, Continental Steel Corporation, Kokomo, Ind.
 C. S. AYER, Continental Roll and Steel Coating Company, Kokomo, Ind.

TUESDAY MORNING SESSION

October 4, 1932

The first session of the Metals Section convened at 9:30 A. M. in the Park Hotel, with General Chairman J. A. Lauriatan presiding. He then welcomed the delegates and then presented his condensed report on the work of the section's committees in part as follows:

The present meeting marks the severest and consecutive session which we have been sessions of the Metals Section during an Annual Congress. The News Letter was generously supported by the members during the year, there being 14 different contributors who submitted 71 articles on matters of safety and efficiency. An unusually large number of questions were received as subjects for discussion during this Congress and many of these were incorporated in the program. The Membership Committee reported 482 companies holding membership in the Council section, which is the good result of concentrated efforts to increase the membership during the past year. The Poster Committee has assisted in preparing 85 posters suitable for use by members of the Metals Section and of these number 17 were on new subjects. Members contributed a representative group of excellent articles that were published during the past year in such magazines as The Engineering Committee has been working on two Safe Practices Pamphlets, one on "Safe Practices in Operating By-Product Coke Plants" and the other on "Safe Practices in Operating Open Hearths," both of which are progressing rapidly toward publication. All other committees also have been active and have done good work.

Think it Over

By G. A. DAVIS

Manager of the Department of Safety and Relief, Illinois Steel Co., Chicago

The speaker said in part: "We have made considerable progress in the prevention of accidents. I am not going to discuss accident rates now, for the Illinois Steel Co. is perfectly satisfied with our safety records. None of us could tell you how many accidents below the minimum of accidents, which of course, means no accidents."

If we are to make further progress in safety, it will have to be done by the department assisting in the promotion of accident prevention work. Every effort must be made to stop unsafe practices and prevent not only accidents but near accidents. Unsafe practices will eventually cause accidents. As a result of the difference between an accident and a near accident, a considerable amount of work is done.

In this connection let me repeat a story I have heard of an accident which occurred in the prevention of occurrences which might or might not have resulted in an accident of any kind, we are considering the subject of safety with a considerable responsibility. Someone at my attention was called to an accident in a blast furnace. The point of the accident was to bring out a steel manufacturing company where we have a very good one of the shaft crackers. The safety supervisor of the company was the superintendent as soon as he heard of the accident he was called to the scene. The superintendent of the open hearth and a few other men were present. The superintendent said, "You are the safety supervisor, what are you going to do?" "What do you think I am going to do?" he asked.

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Mining Section

Officers 1931-32

- General Chairman*—W. H. COMINS, National Lead Co., St. Francois, Mo.
Vice-Chairman in Charge of Membership (Coal Mining)—THOMAS E. LIGHTFOOT, Koppers Coal Co., Pittsburgh, Pa.
Vice-Chairman in Charge of Membership (Metal Mining)—P. M. ARTHUR, American Zinc Company of Tennessee, Mascot, Tenn.
Vice-Chairman—J. W. ALT, Calumet & Hecla Consol. Copper Co., Calumet, Mich.
Vice-Chairman—FRANK B. DUNBAR, Pickands, Mather & Co., Mather, Pa.
Secretary and News-Letter Editor—DANIEL HARRINGTON, United States Bureau of Mines, Washington, D. C.
Chairman Statistics Committee—W. W. ADAMS, United States Bureau of Mines, Washington, D. C.
Chairman Entertainment Committee—J. T. RYAN, Mine Safety Appliances Co., Pittsburgh Pa.
Publicity Committee—M. R. BUDD, Explosives Engineer, Wilmington, Del.
R. DAWSON HALL, Coal Age, New York, N. Y.
Chairman Poster-Slide Committee—J. J. FORBES, U. S. Bureau of Mines, Pittsburgh.
Chairman Engineering Committee—W. T. METZGER, Hudson Coal Co., Scranton, Pa.
Chairman Program Committee—CHAS. F. HAZELTON, Pickands, Mather & Co., Cleveland, Ohio.
Members at Large—
M. F. FAIRLIE, The Mining Corporation of Canada, Ltd., Toronto, Ont., Canada.
H. C. HENRIE, Phelps Dodge Corp., Bisbee, Ariz.
R. N. HOSLER, Coal Mine Section, Pennsylvania Compensation Rating & Inspection Bureau, Harrisburg, Pa.
GEORGE MARTINSON, Pickands, Mather & Co., Hibbing, Minn.
C. A. McDOWELL, Pittsburgh Coal Co., Pittsburgh, Pa.
D. D. MOFFATT, Utah Copper Co., Salt Lake City, Utah.
HOWARD I. YOUNG, American Zinc, Lead and Smelting Co., East St. Louis, Ill.

TUESDAY MORNING SESSION

October 4, 1932

The sessions of the Mining Section convened with General Chairman W. H. Comins, National Lead Company, St. Francois, Missouri, presiding. After welcoming the delegates, Chairman Comins asked for the report of the Statistics Committee which was presented by W. W. Adams, U. S. Bureau of Mines, Washington, D. C., Chairman, in part as follows:

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Paper and Pulp Section

Officers 1931-32

- General Chairman*—J. J. PLZAK, Consolidated Water Power and Paper Co., Wisconsin Rapids, Wis.
Vice-Chairmen—GEORGE ROLLER, Rhinelander Paper Co., Rhinelander, Wis.
ARTHUR MURRAY, Container Corporation of America, Chicago, Ill.
Secretary—H. D. BANTA, Hoberg Paper & Fibre Co., Green Bay, Wis.
Chairman Poster Committee—JAMES M. MCGIVNEY, Brown Company, Berlin, N. H.
Chairman Program Committee—H. G. GILSON, Oxford Paper Co., Rumford, Maine.
Chairman Membership Committee—N. F. BARTLETT, Hollingsworth & Vose Co., Boston, Mass.
Chairman Publicity Committee—JAMES J. HASTINGS, Port Huron Sulphite & Paper Co., Port Huron, Mich.
Chairman Statistics Committee—E. E. GRANT, The Crystal Tissue Co., Middletown, Ohio.
Chairman Engineering Committee—ERNEST AUGUSTUS, The Mead Corp., Chillicothe, Ohio.
Chairman Health Committee—DR. L. H. FRECHTLING, The Champion Coated Paper Co., Hamilton, Ohio.
Chairman Contest Committee—A. SCOTT DOWD, The Paper Industry, Chicago, Ill.
Members at Large—
W. J. BRENNAN, State Department of Labor and Industry, Augusta, Maine.
KENNETH L. FAIST, The Champion Coated Paper Co., Hamilton, Ohio.
W. A. GLEASON, Hammermill Paper Co., Erie, Pa.
JOHN LUNDRIGAN, International Paper Co., New York, N. Y.
W. J. PEACOCK, Northern Paper Mills, Green Bay, Wis.
SAMUEL PRUYN, Finch-Pruyn and Co., Inc., Glens Falls, N. Y.
BEN D. ROGERS, Bird and Son, East Walpole, Mass.
F. H. ROSEBUSH, Nekoosa-Edwards Paper Co., Port Edwards, Wis.

TUESDAY MORNING SESSION

October 4, 1932

The first session of the Paper and Pulp Section convened in the Wardman Park Hotel with General Chairman J. J. Plzak, Consolidated Water Power & Paper Company, Wisconsin Rapids, Wisconsin, presiding. After welcoming the delegates, the Chairman discussed the question, "Are We Obtaining Our Objectives?" He said in part:

"In our peace abiding nation, since the year 1920, we have placed upon the altar of economical progress a most supreme sacrifice—1,062,000 lives. Far worse than war,

WENTY-FIRST ANNUAL SAFETY CONGRESS
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Petroleum Section

Officers 1931-32

General Chairman—R. E. DONOVAN, Standard Oil Company of Calif., San Francisco, Calif.

Vice-Chairman—C. L. HIGHTOWER, Texas Pacific Coal and Oil Co., Thurber, Texas.

Chairman Atlantic Division—E. R. ALDEN, Vacuum Oil Co., Inc., New York, N. Y.

Chairman Great Lakes Division—J. C. BERND, Sinclair Refining Co., East Chicago.

Chairman Mid-Continent Division—LOUIS R. HODELL, The Carter Oil Co., Tulsa, Okla.

Chairman Gulf Division—A. W. BREELAND, Lone Star Gas Co., Dallas, Texas.

Chairman Rocky Mountain Division—T. N. SHAW, The Midwest Refining Co., Casper, Wyoming.

Chairman, Pacific Division—R. B. HECOX, Standard Oil Company of Calif., Bakersfield, Calif.

Chairman Poster Committee—L. W. EVANS, Atlantic Refining Co., Frankin, Pa.

Chairman Engineering Committee—H. E. DISCHINGER, Shell Petroleum Corp., St. Louis, Mo.

Chairman Publicity Committee—J. L. RISINGER, Magnolia Petroleum Co., Beaumont, Texas.

Chairman Program Committee—B. V. OSBORN, Standard Oil Co. (Ind.), Casper, Wyoming.

Chairman Statistics Committee—J. W. MYERS, Standard Oil Co. (N. J.), New York, N. Y.

Chairman Health Committee—DR. C. M. AVES, Humble Oil and Refining Co., Houston, Texas.

Past General Chairmen—

R. S. BONSB, Standard Oil Co. (N. J.), New York, N. Y.

V. R. CURRIE, The Texas Co., New York, N. Y.

GEO. F. PRUSSING, Union Oil Company of Calif., Los Angeles, Calif.

E. J. SENNE, Vacuum Oil Co., Inc., New York, N. Y.

C. W. SMITH, Standard Oil Co. (Ind.), Chicago, Ill.

D. J. WALLACE, Mid-Continent Petroleum Safety Council, Tulsa, Okla.

Secretary—H. N. BLAKESLEE, American Petroleum Institute, Dallas, Texas.

TUESDAY AFTERNOON SESSION

October 4, 1932

The first session of the Petroleum Section convened in the Wardman-Park Hotel with General Chairman R. E. Donovan, Standard Oil Company of California, San Francisco, presiding. Mr. Donovan briefly reviewed the activities of the Section

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Power Press Section

Officers 1931-32

- General Chairman*—W. J. GRAVES, Michigan Mutual Liability Co., Detroit, Mich.
Vice-Chairman—A. L. KAEMS, Simmons Company, Kenosha, Wis.
Vice-Chairman in Charge of Program—P. G. HUNTER, Motor Wheel Corp., Lansing, Mich.
Secretary and News-Letter Editor—E. J. SMITH, Western Electric Co., Chicago, Ill.
Chairman Poster Committee—E. G. STAHL, Transue and Williams Co., Alliance, Ohio.
Chairman Membership Committee—J. D. LYLE, Fisher Body Company of Cleveland, Cleveland, Ohio.
Chairman Publicity Committee—CHARLES R. BRYANT, American Can Co., New York, N. Y.
Chairman Statistics Committee—W. MOORE, James Manufacturing Co., Fort Atkinson, Wis.
Chairman Engineering Committee—G. S. THOMPSON, Gnau & Company, Detroit, Mich.
Chairman Health Committee—DR. GEORGE R. NICHOLS, American Can Co., Chicago, Ill.
Chairman Slides and Safety Kinks Committee—J. E. ROCKOFF, Detroit Steel Products Co., Detroit, Mich.
Members at Large—
LOUIS BORAKS, Liberty Mutual Insurance Co., Boston, Mass.
J. W. HENNING, Automatic Electric Co., Chicago, Ill.
T. O. MEISNER, American Can Co., Chicago, Ill.
HERBERT ROTH, Gillette Safety Razor Co., New York, N. Y.
S. H. SLAYMAKER, Fairbanks, Morse and Co., Beloit, Wis.
JOHN E. WALTERS, West Lynn, Mass.

TUESDAY AFTERNOON SESSION

October 4, 1932

The first session of the Power Press Section convened in the Wardman-Park Hotel, with General Chairman Walter J. Graves, Michigan Mutual Liability Company, Detroit, presiding. Chairman Graves welcomed the delegates and in a brief paper pointed out the present status of power press accident prevention.

Our aim as a section is to make the metal stamping industry a non-hazardous one, he said. This is not a wild dream, because many metal stamping plants are already in that class, and if one plant can so manage its affairs others can do so. I believe that the most important accomplishment to this time lies in the changed mental attitude of management. Many executives no longer believe that "safety

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Public Utilities Section

Officers 1931-32

General Chairman—C. B. BOULET, Wisconsin Public Service Corp., Milwaukee, Wis.
Vice-Chairman in Charge of Gas Interests—E. J. KREH, The Philadelphia Company, Pittsburgh, Pa.

Vice-Chairman in Charge of Telephone and Telegraph Interests—D. W. WAIT, Bell Telephone Co. of Pa., Pittsburgh, Pa.

Secretary—HOWARD M. SHAW, Northern American Light and Power Co., Chicago, Ill.

News-Letter Editor—ROY M. GODWIN, Philadelphia Electric Co., Philadelphia, Pa.

Chairman Poster Committee—H. A. PTOLEMY, Public Service Company of Northern Ill., Chicago, Ill.

Chairman Membership Committee—IVAN L. SCOTT, Central Public Service Co., Chicago, Ill.

Chairman Film Strip Committee—A. A. OLDFIELD, Wisconsin Power and Light Co., Madison, Wis.

Chairman Program Committee—F. M. PEPPER, Illinois Bell Telephone Co., Chicago, Ill.

Chairman Publicity Committee—JOHN J. BARADA, Laclede Gas Light Co., St. Louis, Mo.

Chairman Statistics and Contest Committee—E. P. DURFEE, Hamlin & Company, New York, N. Y.

Chairmen Engineering Committee—R. A. BLOOMSBURG, New York Power and Light Co., Albany, N. Y.

Special Representatives—S. C. DICKINSON, Pacific Gas and Electric Co., San Francisco, Calif. (Pacific Coast).

W. H. MULLIGAN, Hydro-Electric Power Commission, Toronto, Ontario, Canada (Canada).

W. A. BUCHANAN, Appalachian Electric Power Co., Welch, W. Va. (National Electric Light Association).

ROY M. GODWIN, Philadelphia Electric Co., Philadelphia, Pa. (American Gas Association).

Members at Large—

W. H. BROWN, Northern States Power Co., Minneapolis, Minn.

D. H. CANNON, Carolina Power Co., Raleigh, S. C.

A. A. KLINGE, Public Service Company of Colo., Denver, Colo.

P. R. KUHN, Penn Central Light and Power Co., Altoona, Pa.

Councilors—

E. S. BEAUMONT, Peoples Gas Light and Coke Co., Chicago, Ill.

B. B. MCCULLOCH, Bureau of Safety, Chicago, Ill.

H. L. MEADE, Ohio Bell Telephone Co., Cleveland, Ohio.

GEO. C. A. OPP, The Detroit Edison Co., Detroit, Mich.

C. J. RUTLAND, Texas Power and Light Co., Dallas, Texas.

C. B. SCOTT, Bureau of Safety, Chicago, Ill.

J. L. VANDEGRIFT, The Chesapeake and Potomac Telephone Co., Washington, D. C.

H. F. WEBB, West Penn Electric Co., Pittsburgh, Pa.

H. M. WEBBER, Illinois Bell Telephone Co., Chicago, Ill.

TUESDAY MORNING SESSION

October 4, 1932

The first session of the Public Utilities Section convened in the Shoreham Hotel with General Chairman C. B. Boulet, Wisconsin Public Service Company, Milwaukee, Wisconsin, presiding. The Chairman sketched briefly several of the more serious problems confronting public utilities in these difficult times. He then asked Secretary Howard M. Shaw, North American Light & Power Company, Chicago, to report on the work of the Executive Committee and other standing committees. This being briefly complied with, Chairman Boulet then introduced the first speaker.

Eighty-Five Per Cent Supervision and Education Necessary to Make Safety a Success

By W. O. LeBER

Safety Inspector, Canadian National Railways, Montreal, Quebec, Canada

The speaker said in part: As men who are engaged in accident prevention work, we will all admit that placing the responsibility on the officer in charge is a cardinal principal of safety. We all know that the officer in charge is not only the keystone of the organization but he is the interpreter of the wishes and policies of the management to the men. However, we go further than this cardinal requisite and say that to make this movement a success the vice-president, the president and the board of directors must be behind the officer in charge. Safety must be sold throughout the whole organization.

Safety must start from the top—safety, of course, sponsored by the management, because it has been repeatedly said that neither enthusiasm nor support of any company policy will ever boil up from the bottom; if it ever permeates the warp and woof of any organization it must percolate down from the top. The ranking officer of any organization must himself be intensively interested in safety work to inspire and lead his men to earnest individual and collective efforts in the endeavor for their own protection as well as for the protection of others.

If any officer in charge elects to assume an attitude of indifference and fails to see that each accident is reported immediately and the necessary investigation conducted to determine whether or not it resulted from carelessness or any other violation of safety or operating rules, and if so, to see that corrective measures are administered to prevent repetition of a similar accident, he is not fulfilling the obligation that is placed upon him and can only expect his organization to have a poor safety performance. Experience has taught us that when an individual fails to respond to persuasion, there is but one alternative, that is productive of results, and that is discipline. Rigid enforcement of all safety rules and regulations symbolizes the devotion of men to their fellows, and justifies the noble resolve to save them, in so far as possible, from accident and death.

Now, how is educational work best done? We all know that safe men are men

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Quarry Section

Officers 1931-32

General Chairman—JOHN PRINCE, Stewart Sand and Material Co., Kansas City, Mo.

Vice-Chairman—WM. M. ANDREWS, Lake Erie Limestone Co., Youngstown, Ohio.

Secretary and News-Letter Editor—V. P. AHEARN, National Sand and Gravel Association, Washington, D. C.

Chairman Poster Committee—H. F. YOTTER, The General Crushed Stone Co., Easton, Pa.

Chairman Publicity Committee—J. R. BOYD, National Crushed Stone Association, Washington, D. C.

Chairman Statistics Committee—W. W. ADAMS, United States Bureau of Mines, Washington, D. C.

Members at Large—

R. E. COLVILLE, United States Gypsum Co., Chicago, Ill.

OTHO M. GRAVES, The General Crushed Stone Co., Easton, Pa.

NORMAN G. HOUGH, The National Lime Association, Washington, D. C.

S. M. SHALLCROSS, American Lime & Stone Co., Bellefonte, Pa.

A. L. WORTHEN, The Connecticut Quarries Co., Inc., New Haven, Conn.

WEDNESDAY MORNING SESSION

October 5, 1932

For the record of this joint session with the Cement Section, see page 152 of this volume.

THURSDAY MORNING SESSION

October 6, 1932

The first session of the Quarry Section convened in the Shoreham Hotel with V. P. Ahearn, Secretary, National Sand and Gravel Association, Washington, D. C., Secretary of the Quarry Section presiding in the absence of General Chairman John Prince. Acting Chairman Ahearn welcomed the delegates, read several brief letters from the General Chairman and others regretting inability to be present and also presented a brief report of the statistics committee, as prepared by W. W. Adams, Chairman. This report in part was as follows:

"Employment in the quarrying and related industries was more than 30 per cent lower than the previous year's level, according to records covering identical companies that were active in both years. These companies represented 9,300,000 man-hours of employment in 1931. Accident frequency at these plants was reduced about

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Refrigeration Section

Officers 1931-32

General Chairman—VINCENT WAKEFIELD, Bar Rusto Corp., Kansas City, Mo.

Vice-Chairmen—FRANK L. DUGGAN, Consolidated Ice Company, Pittsburgh, Pa.

T. A. ADAMS, Union Terminal Cold Storage Co., New York, N. Y.

Secretary and News-Letter Editor—EDWARD H. FOX, National Association of Practical Refrigerating Engineers, Chicago, Ill.

Chairman Poster and Slides Committee—GEORGE C. BAKER, Consumers Company, Chicago, Ill.

Chairman Membership Committee—L. W. DAWLEY, Southern United Ice Company, Jackson, Miss.

Chairman Statistics Committee—HERMAN HILLENBACH, American Ice Company, care of Knickerbocker Ice Company, New York, N. Y.

Chairman Engineering Committee—EMERSON A. BRANDT, National Assn. of Ice Industries, Chicago, Ill.

Members at Large—

A. J. AUTHENRIETH, Middle West Utilities Company, Chicago, Ill.

A. H. BAER, Frick Company, Waynesboro, Pa.

GEORGE B. BRIGHT, George B. Bright Company, Detroit, Mich.

CARL C. CLEMENTS, National Dairy Products Corporation, New York, N. Y.

E. G. HITT, Chicago District Ice Association, Chicago, Ill.

BUFORD B. McCULLOCH, Bureau of Safety, Chicago, Ill.

W. M. O'KEEFE, Cold Storage Division, American Warehousemen's Assn., Chicago, Ill.

GARDNER POOLE, American Institute of Refrigeration, Boston, Mass.

JAMES S. SPAULDING, Railways Ice Company, Memphis, Tenn.

H. L. TRASK, United States Cold Storage Company, Kansas City, Mo.

COL. P. A. WEATHERED, Southwestern Ice Manufacturers' Association, Houston, Texas.

THURSDAY AFTERNOON SESSION

October 6, 1932

The first session of the Refrigeration Section convened in the Wardman Park Hotel with General Chairman Vincent Wakefield, Kansas City, Missouri, presiding. Chairman Wakefield welcomed the delegates and immediately introduced the first speaker.

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Rubber Section

Officers 1931-32

General Chairman—J. R. HANSON, United States Rubber Co., Passaic, N. J.

Secretary—H. W. Low, The Miller Rubber Co., Inc., Akron, Ohio.

News-Letter Editor—CHARLES F. SMITH, U. S. Rubber Reclaiming Co., Inc., Buffalo, N. Y.

Chairman Poster Committee—R. A. BULLOCK, Corduroy Rubber Co., Grand Rapids, Mich.

Chairman Membership Committee—A. M. DIETZ, Pennsylvania Rubber Co., Jeanette, Pa.

Chairman Publicity Committee—M. A. QUIRK, United States Rubber Co., Detroit, Mich.

Chairman Statistics Committee—ROLAND KASTELL, United States Rubber Co., Passaic, N. J.

Chairman Engineering Committee—M. H. KILGORE, The Goodyear Tire and Rubber Co., Akron, Ohio.

Chairman Health Committee—DR. J. NEWTON SHIRLEY, Hood Rubber Co., Inc., Watertown, Mass.

Chairman Slides and Safety Kinks Committee—B. F. GERPHEIDE, The Goodyear Tire & Rubber Co., Akron, Ohio.

Members at Large—

E. W. BECK, United States Rubber Co., New York City.

J. T. KIDNEY, The Goodyear Tire and Rubber Co., Akron, Ohio.

W. L. SCHNEIDER, The B. F. Goodrich Co., Akron, Ohio.

WEDNESDAY MORNING SESSION

October 5, 1932

The opening session of the Rubber Section was called to order in the Wardman Park Hotel by Acting General Chairman J. R. Hanson, United States Rubber Company, Passaic, New Jersey. Chairman Hanson gave a brief report of the year's activities, including the reports of standing committees. Membership in the Section has been maintained at 45 companies, a very good report in view of general conditions. With the cooperation of the News-Letter, a mail campaign has been carried on for several months to interest outside companies in membership in the National Safety Council and results of the campaign are beginning already to be evident. The News-Letter has been issued regularly and has been found very helpful to members.

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**Safety Section, A.R.A.--Steam
Railroad Section, N.S.C.**

Section Officers 1931-32

Chairman—C. T. BAILEY, Chief Safety Agent, Oregon Short Line Railroad.
First Vice-Chairman—C. E. HILL, General Safety Agent, New York Central Lines.
Second Vice-Chairman—C. L. LAFONTAINE, General Safety Supervisor, Great Northern Railway.
Secretary—J. C. CAVISTON.

(NOTE: The following pages contain a condensed abstract of the records of the sessions of the Safety Section, ARA—Steam Railroad Section, NSC, as published in full by the American Railway Association in a booklet entitled, "Proceedings of the 12th Annual Meeting of the Safety Section, Washington, D. C., October 4 to 6, 1932.")

TUESDAY MORNING SESSION

October 4, 1932

The sessions of the Safety Section, American Railway Association—Steam Railroad Section, National Safety Council, convened in the Hotel Washington with Chairman C. T. Bailey, Chief Safety Agent, Oregon Short Line Railroad, Salt Lake City, Utah, presiding. The invocation was given by L. G. Bentley, Chesapeake & Ohio Railway.

Report of Committee on Relations with National Safety Council

By ROBERT SCOTT

Director, Insurance and Safety, Atlantic Coast Line Railroad

Mr. Scott said in part: Your committee finds pleasure in reporting that much satisfactory progress has been made in the direction of co-ordinating the work of both sections with the view of avoiding duplication of effort and expense and to the end that the cause of safety might be advanced.

The first annual meeting of the Steam Railroad Section, National Safety Council, was held in Philadelphia in October, 1915, while the Safety Section of the American Railway Association held its first special session in Boston in September, 1921. Both of these sections have been functioning properly and well ever since they came into existence, and have been a powerful force in the reduction of avoidable accidents.

On September 2, 1931, a meeting was held in Chicago at which there were present members of the committee on relations and officers of both sections. At this meeting

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Textile Section

Officers 1931-32

General Chairman—E. E. PLACE, American Mutual Liability Insurance Co., Boston, Mass.

Vice-Chairman—CHARLES H. EAMES, Lowell Textile Institute, Lowell, Mass.

Secretary and Chairman Program Committee—IGNATIUS MACNULTY, American Woolen Co., Shawsheen, Mass.

Chairman Publicity Committee and News-Letter Editor—MYRON B. JONSBURG, H. A. Hale, Jr. & Co., Boston, Mass.

Chairman Membership Committee—D. FRANK LORD, M. J. Whittall Associates, Ltd., Worcester, Mass.

Chairman Poster Committee—FRED W. SEHL, Aetna Life Insurance Co., Hartford, Conn.

Chairman Statistics Committee—F. J. PORTER, The U. S. Finishing Co., Pawtucket, R. I.

Chairman Engineering Committee—G. W. COOK, Travelers Insurance Co., Hartford, Conn.

Members at Large—

ARTHUR BARLOW, Armstrong Cork Co., Lancaster, Pa.

RUSSELL T. FISHER, The National Association of Cotton Manufacturers, Boston, Mass.

WALTER HUMPHREYS, National Association of Wood Manufacturers, Boston, Mass.

JOHN H. SOUTHAM, Sanford Mills, Sanford, Maine.

PAUL W. VIETZ, Plymouth Cordage Co., North Plymouth, Mass.

WEDNESDAY MORNING SESSION

October 5, 1932

The opening session of the Textile Section convened in the Wardman-Park Hotel with General Chairman E. E. Place, American Mutual Liability Insurance Company, Boston, presiding. Chairman Place gave a brief resumé of the activities of officers and standing committees, and then immediately introduced the first speaker.

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Woodworking and Lumber Manufacturing Section

Officers 1931-32

General Chairman—R. C. BARR, Lumbermens Mutual Casualty Co., San Francisco, Calif.

Vice-Chairman—J. W. SMITH, Employers Reinsurance Corp., Kansas City, Mo.

Vice-Chairman—LOUIS W. KERBERG, Mengel Body Co., Louisville, Ky.

Secretary—WM. A. WILSON, Altadena, Calif.

News-Letter Editor—ROLAND JONES, The Surty Manufacturing Co., Inc., Chicago, Ill.

Chairman Poster Committee—E. ROSS FARRA, Grand Rapids Safety Council, Grand Rapids, Mich.

Chairman Program Committee—F. A. POLLOCK, Lumbermens Mutual Casualty Co., Chicago, Ill.

Chairman Membership Committee—M. C. GOODSPEED, General Electric Co., Erie, Pa.

Chairman Statistics Committee—JOHN H. LEE, Rockford Industrial Safety Council, Rockford, Ill.

Chairman Engineering Committee—ARTHUR MURRAY, Container Corp. of America, Chicago, Ill.

Chairman Health Committee—GLENN F. GRIFFIN, American Seating Co., Grand Rapids, Mich.

Chairman Slides and Safety Kinks Committee—F. W. BRAUN, Employers Mutual Liability Insurance Co., Wausau, Wis.

Members at Large—

HARRY GUILBERT, Pullman Company, Pullman, Chicago, Ill.

A. O. JACKSON, Aetna Life Insurance Co., New York, N. Y.

H. G. WIBERG, Lumber Mutual Casualty Insurance Co. of N. Y., New York, N. Y.

TUESDAY AFTERNOON SESSION

October 4, 1932

The session was called to order in the Wardman-Park Hotel by James C. Wilson, Vice-President, Lumbermens Mutual Casualty Company of Chicago, who presided in the absence of General Chairman R. C. Barr, unavoidably detained on the Pacific Coast. Acting Chairman Wilson welcomed the delegates and then introduced Vice-Chairman Louis W. Kerberg, Mengel Body Company, Louisville, who read the report of the General Chairman, prepared by Mr. Barr.

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Street and Highway Traffic Section

Officers 1931-32

General Chairman—CLIFFORD DAVIS, Vice-Mayor and Commissioner of Fire and Police, Memphis, Tenn.

Vice-Chairman—F. C. LYNCH, Kansas City Safety Council, Kansas City, Mo.

Vice-Chairman—LEWIS W. MCINTYRE, City Traffic Engineer, Pittsburgh, Pa.

Secretary—EARL J. REEDER, National Safety Council, Chicago, Ill.

Uniformity Committee—HAROLD G. HOFFMAN, Commissioner of Motor Vehicles, Trenton, N. J.

Program Committee—LEWIS W. MCINTYRE, Traffic Engineer, Pittsburgh, Pa.

Statistics Committee—O. W. WILSON, Chief of Police, Wichita, Kans.

Advisory Police Committee—ERNEST W. BROWN, Metropolitan Police Department, Washington, D. C.

Membership Committee—WILLIAM C. KNOELK, Milwaukee Safety Commission, Milwaukee, Wis.

Traffic Engineering Committee—ERNEST P. GOODRICH, Consulting Engineer, New York City.

Enforcement Committee—FRANKLIN M. KREML, Evanston Police Dept., Evanston, Ill.

Public Education Committee—FRANK C. BERRY, Minneapolis Automobile Club, Minneapolis, Minn.

Rural Highway Hazards Committee—CLARENCE P. TAYLOR, Mass. State Dept. of Public Works, Boston, Mass.

MONDAY AFTERNOON SESSION

October 3, 1932

The first session of the Street and Highway Traffic Section was a joint meeting with the N. S. C. Committee on the Driver and the Delivery, Taxicab and Bus Section. The general subject under discussion was "Treating Accident Proneness." The session convened in the Wardman Park Hotel, with General Chairman Clifford Davis, Vice-Mayor and Commissioner of Fire and Police of Memphis, Tenn., presiding. Chairman Davis requested William C. Knoelk, Milwaukee Safety Commission, to act as temporary Chairman, and the latter assumed the gavel, introducing the first speaker.

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Child Education Section

Officers 1931-1932

Chairman—DR. THOMAS W. GOSLING, Superintendent of Schools, Akron, O.
Secretary—IDABELLE STEVENSON, National Safety Council, New York City.
Chairman—DR. THOS. W. GOSLING, Superintendent of Schools, Akron, Ohio.
Secretary—MISS IDABELLE STEVENSON, Education Div., N. S. C., New York City.
Secondary School Committee—DR. HERBERT J. STACK, National Bureau of Casualty & Surety Underwriters, New York City.
Vocational School Committee—GORDON GRAHAM, Detroit Board of Education, Detroit, Mich.
Elementary School Committee—MISS EMMA A. SCHAD, Baltimore Public Schools, Baltimore, Md.
Program Committee—MISS MARY O. POTTINGER, Elementary Education, Springfield, Mass.
Membership Committee—R. M. SHERRARD, Associate Supt. of Schools, Pittsburgh, Pa.

WEDNESDAY AFTERNOON SESSION

October 5, 1932

The first session of the Child Education Section was called to order in the Shoreham Hotel by the Chairman, Dr. Thomas W. Gosling, Superintendent of Schools, Akron, Ohio. The session was devoted to the reports of the several working committees.

Report of the Committee on Elementary Education

By EMMA A. SCHAD, Chairman

Principal, Mordecai Gist School, Baltimore, Md.

The speaker said in part: Our committee devoted its first year's work to the collection of lesson plans from various educational systems in the country. Outlines or lesson plans are generally conceded to help a teacher in judging the relative value of her units of activity. Some examples of these plans may be given to illustrate the outcome of the good safety teaching represented.

In Plan 1, the learning takes place in the nature period where oxygen as a fire maker is studied in its relation to safety. The technique is experimental. This laboratory method is indispensable in giving reality and meaning to the pupil's contact with terms and relationships. The attitude developed here was one of real responsibility for extinguishing a blaze rather than screaming and running away.

The second plan takes place in the reading period. The teacher prepares her children for work with the index and dictionary by teaching them how to find in the