A P R I L
Engine and Fuel Meeting

TUESDAY, APRIL 3rd

Subjects:
THE HESSELMAN ENGINE—ITS DESIGN AND APPLICATION
by
A. W. POPE
Research Engineer, Waukesha Motor Co.

The Hesselman engine, a new type brought to this country by the Waukesha Motor Co., has developed rapidly during the last few years. Here is the best opportunity yet afforded the members of the Chicago section to become acquainted with a not widely known but actively developing type of power plant.

BUTANE VS. GASOLINE AS A TRANSPORT FUEL
by
D. P. BARNARD, IV
Assistant Director of Research, Standard Oil Co. (Indiana)

The development and use of butane fuels has reached considerable proportions on the Pacific coast; and there are indications that the use of this new fuel may spread at least to the Midwest, and perhaps through the country. This exceptionally timely paper should be of keen interest to truck fleet operators, among others, coming as it does in advance of the marketing of this type of fuel in this territory.

GENERAL DISCUSSION

Both papers, though comprehensive, will be relatively brief; and there will be ample time for the general discussion which two such timely presentations should provoke.

HOTEL SHERMAN—BAL TABARIN
DINNER — 6:45 o’clock P. M. (Tickets $1.00)
MEETING — 8:00 o’clock P. M.

GUESTS ALWAYS WELCOME
President Roos, Past Chairmen, Head List of Guests at March Meeting

Nominations for Section Officers Announced

Presided over by a galaxy of prominent figures in Society and Section affairs, both present and past, including the president of the Society and a group of Section past chairmen, 154 members and their guests at the March meeting found their attention closely held until nearly 10:30 o'clock by an authoritative paper on Diesel engines by C. B. Jahnke, research engineer for the International Harvester Co., followed by an exceptional paper on farm economics as affected by the use of agricultural tractors, by A. P. Yerkes, editor of "Tractor Farming"—both supplemented and illustrated by slides, charts and moving pictures.

Mr. Jahnke, whose paper was directed particularly to the development of Diesel engines for industrial and agricultural tractors, nevertheless covered his subject so broadly as to attract comment from members of the audience interested in other types of power installation; and Mr. Yerkes, in emphasizing the importance of mechanized farm power in its relation to world marketing of agricultural products, presented an exceptionally comprehensive and enlightening analysis of world markets and the reasons why United States farmers are unable to compete with foreign producers. Moving pictures with Mr. Yerkes' paper illustrated graphically the application of tractor power to various farming processes.

Joint discussion of both papers was led by Chairman Nutt and Mr. R. E. Wilson (Standard Oil Co.), the latter discussing in particular the relation of prices of Diesel as compared with gasoline engine fuels and pointing out that the differential between these two types of fuel is greatly affected by Federal, and particularly state, gasoline taxes.

Past Chairman's Night brought out six of the Section's past chairmen:

TALIAFERRO MILTON..................1922-3
R. E. WILSON.........................1923-4
J. W. TIERNEN...........1928-9
E. W. STEWART......................1930-1
O. R. SCHOENROCK...................1931-2
L. V. NEWTON ..................1932-3

and President Roos took advantage of the occasion to publicly express to them the appreciation of the National Council for their good work on behalf of the Section and of the Society as a whole.

Attendance at the meeting included guests from the membership of the Farm Equipment Institute (tractor and Diesel) and from the Lower Lake Michigan Associated Boat Yards (Diesel).

Business Session

In a brief business session preceding the presentation of the scheduled papers, the Nominating Committee reported its nominations for Section officers for the season of 1934-5. The nominees are:

For Chairman........................R. E. WILKIN
For Vice Chairman...ROB'T T. HENDRICKSON
For Treasurer.........................HARRY F. BRYAN
For Secretary.........................R. B. MAY

Dr. Wilkin, present Vice Chairman of the Section, heads the technical division of the Standard Oil Co.'s sales department; Mr. Hendrickson, who has administered the office of Section Secretary during the current season, is president of the Hendrickson Motor Truck Co.; Mr. Bryan, carburetion engineer for the International Harvester Co., has been the faithful Section treasurer for several seasons; and Mr. May, curator of automotive engineering at the Museum of Science and Industry, is the present hard-working chairman of the Section's meetings and papers committee.

Welcome!

The Chicago Section extends most cordial greetings to four new members of the Section:

MR. JULIUS KUTTNER,
533 S. Spring Ave.,
LaGrange, Ill.

MR. ARTHUR EMIL GIESLER,
465 College Ave.,
Valparaiso, Ind.

MR. R. E. WILKIN,
Trans. from New York City.

MR. R. E. WILKIN,
Trans. from New York City.

Mr. ROBERT T. HENDRICKSON,
MR. HARRY F. BRYAN,
533 S. Spring Ave.,
Valparaiso, Ind.

MR. ROBERT T. HENDRICKSON,
New member.

MR. HARRY F. BRYAN,
Trans. from New York City.

MR. ROBERT T. HENDRICKSON,
Trans. from New York City.

May we see their faces often at the Section meetings.
WHO'S WHO
in the
CHICAGO SECTION

O. R. SCHOENROCK
Past Chairman
(1931-1932.)

Otto R. Schoenrock, one of the oldest members of the Chicago Section in point of service and Society activity, was born in Chicago, Illinois, and received his technical training at Lewis Institute—in Mechanical and Steam Engineering.

He was early attracted to the automotive field, and has been continuously in the industry since high-wheel buggy days—among other things participating in the first of the inter-city reliability runs. He began his professional career in charge of product and tool design for the Precision Appliance Co., manufacturers of lubricators and automobile parts (1907-9); in 1909 he became associated with the Lincoln Motor Car Works, where he remained until 1912—first in charge of automobile and tool design, and later in charge of production; from 1912 to 1914 he was factory superintendent and engineer for the Harder Auto Truck Co.; and from 1914 to 1917, designing engineer for the Woods Motor Vehicle Co.

In 1917 Mr. Schoenrock became associated with the International Harvester Co., where he remained until 1927—first as designing engineer on tractors, and later in charge of the gas power engineering department. Later he joined the Oliver Farm Equipment Co. as director of engineering and in charge of their patent and research departments. Here he remained until 1931, when he became head of the O. R. S. Engineering Co., consulting engineers, in which capacity he is engaged at the present time.

Mr. Schoenrock joined the Society of Automotive Engineers in 1911, and has always taken an active interest in its affairs and the affairs of the Chicago Section, which he has served in many capacities since its inception, from membership on various committees to Chairman of the Section in 1931-2.

Golf and fishing are Mr. Schoenrock's chief relaxations from business and professional cares, and he lives at 2417 N. Tripp avenue, Chicago.
Chicago Section, and Section Territory, Well Represented in National Activities

The Chicago Section's local activity, considerable as it is, seems to be paralleled by the extent to which members of the Section participate in the national activities of the Society, as will be seen by analysis of the list of national officers and committees for 1934.

The President of the Society, a Vice-President, as well as chairmen and vice-chairmen of several important committees, come from the Chicago Section territory; and committee assignments contain many names familiar in local Section work.

The list is as follows:

**COUNCIL**

D. G. Roos, President of the Society  
L. V. Newton, Vice-President

Representing Transportation and Maintenance Activity Committee

Publications Committee  
S. W. Sparrow

Membership Committee  
R. T. Hendrickson  
A. Vance Howe

Meetings Committee  
R. B. May

Sections Committee  
Harold Nutt, Chairman  
W. A. Parrish

**Aircraft Division**

C. V. Johnson  
J. R. Cauley

**Diesel-Engine Activity Committee**

L. F. Burger  
C. C. Hinkley

**Fuels and Lubricants Activity Committee**

D. P. Barnard, Vice-Chairman  
L. V. Newton

**Passenger-Car Activity Committee**

S. W. Sparrow

**Production Activity Committee**

D. E. Gamble  
K. L. Herrmann

**Transportation and Maintenance Activity Committee**

L. V. Newton, Chairman  
W. C. Becker  
R. T. Hendrickson  
F. L. Faulkner

**Truck, Bus and Rail Car Activity Committee**

C. A. Peirce, Vice-Chairman  
A. W. Scarratt

**RESEARCH**

Research Committee  
D. P. Barnard  
W. S. James  
S. W. Sparrow

Headlight Subcommittee  
W. S. James

Extreme Pressure Lubricants Subcommittee  
W. S. James, Chairman

Automobile Group  
W. S. James

Oils Group  
R. E. Wilkin  
W. H. Oldacre

Operators' Group  
L. V. Newton

Riding Comfort Subcommittee  
L. V. Newton

Co-operative Fuels Subcommittee  
W. S. James

Fuels Subcommittee  
D. P. Barnard

C. C. Hinkley  
W. F. Hubner  
W. S. James  
L. V. Newton  
Daniel Roeesch

Front-Wheel-Alignment Subcommittee  
H. E. Churchill

**STANDARDS COMMITTEE**

E. H. Ehrman

Aircraft Division  
J. R. Cauley

Axle and Wheels Division  
J. W. Peterson

Diesel Engine Division  
C. B. Jahnke

Electrical Equipment Division  
T. E. Wagor

Gasoline Engine Division  
Harold Nutt  
W. A. Parrish

Lighting Division  
T. E. Wagor

Lubricants Division  
W. G. Clark  
W. S. James  
H. J. Saladin  
A. W. Scarratt

Motor Coach and Motor Truck Division  
F. L. Faulkner  
H. D. Hukill  
G. L. Sage

Motorboat and Marine Engine Division  
R. Karasinski

Non-Ferrous Metals Division  
D. L. Colwell

Parts and Fittings Division  
O. B. Zimmerman

Passenger Car Division  
L. A. Chaminade

Production Division  
Ralph Vall

Screw Threads Division  
E. H. Ehrman, Chairman  
A. W. Scarratt  
D. G. Roos

Transportation Division  
F. L. Faulkner, Vice-Chairman  
L. V. Newton

Agricultural Tractor and Industrial Power Committee  
L. B. Sperry  
R. E. Wilkin

Patents Committee  
M. W. McConkey

Standardization Policy Committee  
D. G. Roos

Committee on Methods of Expressing Limits and Tolerances  
E. H. Ehrman  
O. B. Zimmerman

**SPECIAL COMMITTEES**

Military Motor Transport Advisory Committee  
V. W. Kliesrath  
L. V. Newton  
C. A. Pierce  
D. G. Roos

Motor Truck and Motor Coach Rating Committee  
C. A. Peirce  
W. S. James  
A. W. Scarratt

Placement Committee  
J. T. Greenlee, Chairman

Brake Committee  
D. G. Roos