NOVEMBER MEETING
TUESDAY, OCTOBER 23rd
"LADIES' NIGHT"

Subject:
COLOR VISION

By
H. T. STRONG
Color Expert of National Reputation
WILLIAM WIESE & CO.

MEDINAH CLUB - - BALL ROOM
505 North Michigan Avenue

DINNER — 6:45 o'clock P. M.
(Tickets $1.25)

MEETING — 8:00 o'clock P. M.

DANCING
9:00 to 12:00 P. M.

Guests Always Welcome
NOVEMBER MEETING TO FEATURE "LADIES' NIGHT"

The regular November meeting of the Chicago Section — date for which has been advanced to Tuesday, October 23rd — will feature a program devised for the entertainment of the ladies as well as one that should be of general interest to the Section membership.

For the usual technical discussion there will be substituted a talk on "color vision" — a subject that will be treated in a unique and most interesting manner by H. T. Strong, of William Wiese & Co., a color expert of national reputation. Revelations in the realm of color are featured by a series of intensely interesting demonstrations illustrating basic principles of color production and combination, including a demonstration of the effect of polarized light on various minerals which makes a very spectacular and colorful display.

Following Mr. Strong's talk the entertainment committee has arranged for a social program featuring dancing from nine until twelve o'clock.

BARNARD NOMINATED FOR S. A. E. VICE PRESIDENT

The Chicago Section has been again honored by the selection of one of its members for an important post in the Society.

Among the names of those who have been nominated as officers and members of the Council for 1935 is that of D. P. Barnard, chosen as the candidate for vice president of the Society for the fuels and lubricants activity. By virtue of this post Mr. Barnard will become a member of the Council — the central governing body. The Society is to be congratulated on its choice.

Mr. Barnard is assistant director of research for the Standard Oil Co. (Ind.) and will be remembered by the Chicago Section membership as the author of a most interesting and instructive paper on butane vs. gasoline as a transport fuel, given at the April, 1934, Section meeting.

WELCOME!

Thirteen new members have been added to the Section roll since the "glad hand" was last extended through the medium of these columns — some by admission to membership in the Society, others by transfer to the Section territory from other territories, as follows:

Burton Judson Lemon
Leonard Beck Gilbert
A. W. Reader
R. H. Pennebaker
Edgar N. Earman
Hans Fischer
Gustof L. Hansen
Fred Pratt
Ralph R. Graichen
Grover D. Gilbert
J. R. Bateman
Raymond Casper Kayser, Jr.
Martin P. Winther

The Chicago Section extends most cordial greetings.

SOUTH BEND TO STAGE REGIONAL MEETING

A regional meeting of the Society is scheduled to be held at South Bend, Indiana, on the evening of Wednesday, November 7th. The meeting place is the Oliver Hotel.

An excellent technical program has been arranged, and Rob't E. Wilson — vice president, and director of research and development, of the Standard Oil Co. (Ind.) — will present a paper on "Recent Developments in Motor Oils."

Interesting discussion and excellent attendance seem to be a feature of the regional meetings staged at South Bend, and all Chicago members of the Society, especially, are urged to attend. Those who do so, say members who attended the last South Bend meeting, will find it well worth their while.
WHO'S WHO
in the
CHICAGO SECTION

COLONEL
O. B. ZIMMERMAN
Life Member
of the Society

Oliver Brunner Zimmerman is a native of Galena, Illinois. He was educated in the Milwaukee public schools and the University of Wisconsin, from which he received his degree of B. S. in mechanical engineering in 1896 and his M. E. degree four years later.

The keynote of Mr. Zimmerman's career has been his versatility. Instructor and director of manual training in Milwaukee high schools; instructor and later assistant professor of machine design at his University; college athlete, high school athletic coach and director; persistent scholarship, and engineering research; machine shop hand and drafting room detailer; designer of electric power equipment; tractor development and design; design and construction of engines, plants and plant equipment, city bridge and sewer design; military engineer officer—these are but a few of his activities during the period from his graduation at the University until 1911.

For the twenty years of his professional life subsequent to 1911 (with the exception of his war service) Mr. Zimmerman was connected with the engineering staff of the International Harvester Co., both in America, where he worked on every phase of tractor development, from the fundamentals of fuels to sales technique, and abroad, where he was advisory engineer to his company's European sales and factory organizations. Among his outstanding accomplishments with the Harvester company was his far-sighted program of standardization and improvement of specifications on materials, design of machine elements, etc.—a labor which involved working with a wide range of committees and sub-committees in various technical societies, industrial associations, etc., and resulted in the development of materials and standards specifications which are recognized as the acme of their type.

At present Col. Zimmerman is engaged in consulting mechanical and agricultural engineering, and has offices with Johnson & Co., 333 N. Michigan Ave., Chicago.
WINKLER TELLS CHICAGO SECTION ABOUT CARBURETORS

The story of carburetor development, traced from the simplest type up to the present design, was presented to members and guests of the Chicago Section of the S. A. E. at their first Fall meeting, which was held October 2nd, at the Hamilton Club, Chicago.

The meeting, which was designated South Bend Night, was especially well attended, there being 138 at the technical session, 99 being present at the dinner at which an honorary life membership was presented to Colonel O. B. Zimmerman for distinguished service rendered to the Society. Chairman Wilkin introduced Delmar G. Roos, president of the Society, who made the presentation address.

In explaining the various principles which are incorporated in modern carburetor designs, Mr. Winkler, the technical speaker, made use of a pictorial representation in cross section of the carburetor. The background represented the most simple principle, and, as need for refinement was explained, additional parts, colored in red and yellow, were attached to the board, so that the model continued to grow as the talk progressed until it represented a carburetor of modern design.

Various units added showed the addition of the float mechanism, main fuel jet, air bleed, throttle, idling system, venturi, economizer jet, accelerating pump and choke.

The discussion also took up a number of service problems and showed steps taken from an experimental and laboratory standpoint, in order to determine proper jet sizes for various motors.

During the discussion which followed, it was brought out that jets smaller than those originally specified could sometimes be used, but there was danger of getting a mixture so lean that valves or spark plugs would be burned. Reference to the automatic choke was also made, and Mr. Roos pointed out that this was a life saver as far as the down-draft carburetor was concerned, for, with manual manipulation of the choke, there was greater danger of engine flooding than with an up-draft carburetor because of the fact that the gasoline was flowing by gravity to the motor.

In general, Mr. Winkler stressed the fact that the modern gasoline engine is a combination of units, all of which taken together comprise the finished power plant; and that the fundamental principle of servicing is a proper co-ordination of the functions of all the various units to secure the satisfactory and economical operation of the whole.

Among the guests who attended the meeting was John A. C. Warner, manager of the Society, who spoke regarding the Society’s activities during the past year.

THE DECEMBER MEETING DATE is
WEDNESDAY, DECEMBER 5th
To Co-operate With The
S. A. E.
TRACTOR & POWER EQUIPMENT
SECTION MEETING
Discussion will probably be on the subject of
DIESEL ENGINES