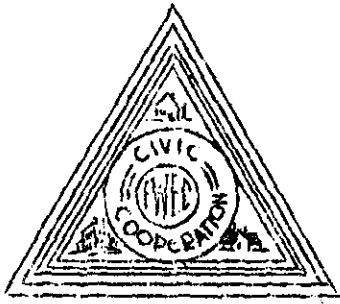


# ENGINEER'S NEWS



FORT WAYNE ENGINEERS CLUB

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NO. 5

## COLONEL LICHTENBERG WILL DISCUSS EFFECT OF MILITARY INDUSTRIAL MOBILIZATION

### ALL-ENGINEERS CONVENTION

The convention was a decided success with an attendance of more than 400 engineers from all parts of the state. Those of you who didn't go this time missed a fine opportunity.

There were 25 delegates from Fort Wayne, including 5 ladies. This is the first time the fair sex has attended the council meetings and we believe they enjoyed it very much. The idea of having the meeting on Saturday undoubtedly helped the attendance considerably.

The technical sessions were fine. Particularly successful were the talk on Plastics with an exhibition of hundreds of samples by H.M. Richardson and the talk on the present status of television demonstrated with slides by Prof. Harding.

Approximately 300 attended the evening banquet at which the new officers were installed. Col. Lichtenberg's talk on the preparedness of American industry to cope with a national emergency was very interesting and timely. As Col. Lichtenberg will give his talk before the FWEC at the February meeting we will all have the pleasure of hearing his presentation.

### NEXT MEETING TO BE WEDNESDAY, FEBRUARY 22

The February meeting of the FWEC will be held Wednesday, 22nd at the Chamber of Commerce at 8:00 P.M. Col. Lichtenberg, who is engineer-in-charge of Refrigerator Department at the Fort Wayne Works of the General Electric Company will be the principal speaker, and will talk on the effect of military mobilization on American Industry.

The meeting is particularly appropriate since it is to be held on the last day of National Defense Week. Col. Lichtenberg is well qualified to talk on this subject as he is Chief of the Chicago Engineer Procurement District of the Corps of Engineers Reserve.

He is also a member of NEMA, AIEE, ASME, ASRE and Society of Military Engineers. He is also a member of the American Association for the Advancement of Science and a life member of the Franklin Institute.

Col. Lichtenberg will be introduced by Major Boucher. The Reserve officers of the Fort Wayne area and local Industrial Executives have been invited.

The meeting will be preceded by the usual dinner at 6:30.

### ILLUSTRATED TALK ON FIBERGLAS TO BE SPONSORED BY THE FORT WAYNE CHEMISTS CLUB.

Definite arrangements now have been made for a joint meeting of the Fort Wayne Chemists Club and the FWEC to be held at the Chamber of Commerce, Tuesday, March 7, at 8:00 P.M.

Mr. Randall Hagnes of the Owens-Corning Fiberglas Corporation will talk on the history of the development and manufacture of Fiberglas and its present interesting uses in the electrical, thermal, insulation and chemical filtration fields. He will also discuss some of its many other possible uses.

### MOTION PICTURES TO BE SHOWN

Motion pictures of the manufacture and possible uses of this material will also be shown. Samples of Fiberglas in its many forms will be on display, available for observation and inspection.

Fiberglas is a mineral fiber, the only artificial textile fiber to come from nature without passing thru an animal or vegetable form. There are two methods of producing Fiberglas, the "continuous filament" process and the "staple fiber" method.

Glass marbles are used to feed the miniature electrically heated tanks

(continued on page 4)

## PUBLICITY COMMITTEE

W. Kehoe

M. H. Bryant

C. B. Smith

E. L. Misegades

W. W. Walb

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### STUDENT GUIDANCE COMMITTEE

Within the next few weeks this committee will begin its active work with the Fort Wayne high school students. The committee has discussed its plans with the vocational directors of the various high schools and as a result of the combined suggestions a revised program has been agreed upon for this year.

The primary purpose of this program is to assist the students in determining whether or not they are suited for the engineering profession. Not only must those students be encouraged who are naturally suited for engineering, but all others should be discouraged from entering the profession. The program begins with a large number of students, both juniors and seniors, and the groups become progressively smaller until finally the committee has a personal contact with each individual student. The program is as follows for each high school:

1. A general talk on engineering to interested junior and senior students at the high school.
2. Each major branch of engineering is considered separately on separate days by taking the interested students into the environment of the engineer.
3. One half day will be allowed for individual conferences with students at the high school. This allows a personal contact which the committee has not had previously.

Each high school will soon establish a schedule for this activity and the work of this committee then really begins.

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### TRAFFIC COMMITTEE

The Traffic Committee is very anxious to sponsor one of the regular meetings of the FWEC on some subject related to Traffic and Safety. It is felt by members of the committee that this subject could be presented with the aid of motion pictures much better than by a lecture and discussion alone. Therefore, the committee is asking for the assistance of the club members in locating such a picture. Anyone who has seen or heard of movies on the subject of Traffic, Traffic Control, Safety Hazards or similar subjects is urged to pass this information on to Mr. A. W. Howard, G. E. Co., Broadway Plant.

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## COMMITTEE ON REGISTRATION

Mr. F. B. Mendenhall, chairman of the Committee on Registration, submits the following interesting news item:

The registered professional engineers of Indiana recently requested that the Budget Committee of the General Assembly set aside \$4,200 for the next fiscal year to promote the registration of engineers in this state.

The Budget committee at first refused to recommend this appropriation. A group of interested engineers then held a meeting with the Budget Committee. Clyde Walb and Harry Bollinger from this section of the state were present. One member of the Budget Committee gave his reason for not being in favor of the appropriation because he could not see any difference between engineers, farmers, carpenters or beauty parlor operators. When the engineers finished with their side of the case, the Budget Committee allowed the recommendation after certain operating expenses had been allowed.

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### DON'T READ THIS IF YOUR DUES ARE PAID

The success of any organization is dependent upon the willingness of all members to assist the officers in promoting predetermined projects and plans to a satisfactory conclusion.

The burden of accomplishing these aims, as in any well ordered business or social enterprise, is materially lessened if the financial structure is sound.

At the present time only 50 percent of you members are up-to-date in the payment of your dues. Hence, we are appealing to those of you who are not paid up to see your local collector and attend to this matter before the next meeting. In event you are unable to see him we are sure that Treasurer Heavner, the large genial gentleman who haunts the entrance to the meeting place each month, will be happy to give you an oral statement and accept the necessary amount so you are again in good standing.

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### JOIN THE I. E. C. NOW

You should be an active member of the Indiana Engineering Council. Through the group membership plan all it will cost you is 50¢ per year. Take action now and express your desire for membership on the return card for the February meeting.

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## PERSONAL NOTES

Clyde Walb of the American Steel Dredge Company has been nominated for First Vice-President of the Indiana Society of Professional Engineers and Roy Biberstine of the State Highway Commission has been nominated for Director in the same society.

Tom Kelly, retiring Vice-President and representing the FWEC on the Indiana Engineering Council, continues to expand his civic work. His most recent appointment is that of President of the Fort Wayne Better Business Bureau. We hope Tom will help bring more as well as better business to Fort Wayne.

**CORRECTION:** In last month's issue of Engineers News we referred to Jim Cornell as a past member of the FWEC. An error on our part - we meant, "past president and now honorary member of the FWEC".

We recently received a nice letter from our first honorary member, Dean A. A. Potter of Purdue, who sends his best wishes to the members of the Club and says he may visit us in the Spring. We certainly hope you will come, Dr. Potter.

Speaking of honorary members, let's not forget Harry Witherow, first president of the FWEC, who is now in the meter engineering department of the General Electric Company's Lynn Works. Harry is now living in Clifton, Mass.

Harry Gottschalk and Ness Zurbuch, respectively past County Surveyor and Assistant, have recently opened offices in Fort Wayne where they will conduct a private surveying business.

FWEC was well represented at the Annual Convention of the AIEE held in New York from January 23 to 27 inclusive. Messrs. P. O. Noble, Chester Lichtenberg, R. W. Hall, W. W. Warner, and R. A. Fuller, all of General Electric, attended various sessions in which they were particularly interested.

Mr. Hall, who has done a considerable amount of developmental work on Formex, a new and superior magnet wire, presented a paper introducing it to those in attendance.

All Ralston has returned from a recent business trip in the Southeast during which he visited Atlanta, Birmingham, St. Petersburg, Lakeland and Louisville.

## MECHANICAL SECTION OFFICERS AND COMMITTEES

For the benefit of anyone who may want to get in touch with any of the officers or committeemen of the Mechanical Section of the FWEC, the following list is presented:

Chairman - W. E. Johnson, G. E. Co.  
Secretary - H. D. Black, Int. Harvester  
Executive Committee:

W. E. Johnson, Chr.	H. D. Black
F. C. Mason	R. W. Noland
K. A. Killam	E. S. Buck

Publicity Committee:

F. C. Mason

Program Committee:

R. W. Noland, Chr.	W. L. Knaus
G. J. Klopfenstein	G. W. Dickens

Technical Papers Committee:

K. A. Killam, Chr.	P. T. Brantingham
C. E. Carlson	

Professional Activities Committee:

E. S. Buck, Chr.	F. W. Avila
D. M. Casterline	R. L. Sheeham

## MECHANICAL SECTION MEETING

Mr. E. W. Forkner, Chief Engineer, the Federal Machine & Welder Co., addressed the Mechanical Section at its February 9 dinner meeting, supplementing his description of high production resistance welding methods with slides showing modern machines used for these processes. Mr. E. L. Simpson of the General Superintendent's Office, General Electric Company, introduced the speaker, and Mr. R. J. Bangert led the discussion.

The March meeting will be a joint meeting with the Engineer's Club, sponsored by the Mechanical Section; Mr. R. W. Noland will talk on smoke abatement.

The Mechanical Club of the Indiana Technical College is now a student affiliate of the Mechanical Section of the FWEC. The members of this club, about 30 in number, are mechanical engineering students. Prof. Norman Bourke is faculty advisor; John Knott, President; Martin Becker, Vice-President; and Earl Baker, Secretary-Treasurer.

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## NAME CONTEST RESULTS

Some time ago a contest was held to select a name for this publication. A number of names were submitted on which the members of the FWEC voted. The results of the contest were as follows:

Gus Kirby, City Light & Water -1st prize  
M.W. Edgar, General Electric -2nd prize  
J.T. White, City Engineer Office -3rd prize

If these men will contact Treasurer Heavner, he will present the punches in their membership cards which constitute the prizes for the contest.

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FIBERGLAS TO BE SUBJECT OF ILLUSTRATED TALK. (Continued from page 1)

employed in making glass filaments or fibers. Marbles are used because it has been found easiest to control the purity of the glass in this form. A high degree of purity is necessary in making glass fiber and filaments with diameters of 0.0002 inch. From one of these glass marbles, three-fourths of an inch in diameter, approximately 97 miles of single continuous filaments can be produced.

All of these and many more facts concerning this interesting material will be discussed at the meeting. Therefore, every member is urged to be present and invitations are extended to the A.I.E.E. and others who may be interested in the subject. So remember the date, March 7.

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1939 STATE LEGISLATURE

The Fort Wayne Engineers Club, through the Indiana Engineering Council, has given its approval to the following measures submitted by the I.E.C. legislative committee:

1. Merit system for engineers in State employ.
2. Requiring registered professional engineers for City Engineers and restoring salary cuts of 1932.
3. Raise in salary for county surveyors who are registered Professional Engineers.
4. Budget item for allocating registration fee funds for education and enforcement of Engineers Registration law.
5. Budget item for State to match Federal funds for ground and surface water studies in Indiana.
6. Establish licensing laws for waterworks and sanitary plant operators.

And to oppose:

1. House Bill #442 which seeks to discontinue annual appropriation for topographical mapping of the state.
2. House Bill #309 which would permit surveyors to become registered professional engineers without meeting the present technical requirements.

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Attendance at the January meeting on the subject of "The Development of Communication" was 352. This certainly represents a very fine turn-out and should be an inspiration especially to the officers of the FWEC and the program committee.

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INDIANA ENGINEERING COUNCIL

New officers elected at the 59th annual meeting of the Indiana Engineering Council in Indianapolis, February 11, again gave Fort Wayne a place on the honor roll. New officers are:

Foster L. Stanley, engineer at the Indiana Bell Telephone Co., Indianapolis, who was chosen president.

D. H. Hanson, engineer at the General Electric Co., Fort Wayne and president of the FWEC, was named vice-president.

Homer Rupard, assistant chief engineer at the Indianapolis Water Co., was re-appointed secretary-treasurer.

Dr. C. Francis Harding, head of the school of electrical engineering of Purdue University, was elected as representative to the American Engineering Council, Washington, D. C.

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CIVIL ENGINEERS ELECT OFFICERS

The Indiana Section of the American Society of Civil Engineers had its annual meeting and election of officers in Indianapolis, February 11 in conjunction with the I.E.C. meeting. New officers are:

Fred Kellam, head of the bridge department of the State Highway Commission, president.

Emmett Hall, trustee of Purdue University, vice-president.

Denzil Dogget, chief engineer of the State Conservation Department, secretary-treasurer.

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FORT WAYNE CHEMISTS CLUB

The following officers have been elected by the Fort Wayne Chemists Club for the ensuing year:

President, L. Seyfer, Int. Harv. Co.  
Vice-President, E. Norwood, Wayne

Pharmaceutical  
Secretary, H. Thomas, North Side High  
Treasurer, E. Leigh, King Specialties

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The FWEC is glad to hear that the members of the city engineer's staff have been awarded a much deserved raise in salary. This is the result of a recent measure passed by the City Council.

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The Anthony Wayne Chapter of the Indiana Society of Professional Engineers is adopting a fee schedule for lot and farm surveying for this area. There is much need for a standardization of fees in this particular field.

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