

Richard E. Vernor Lectures to F.P.E.S. On "Progress in Fire Safety Education"

"Progress in Fire Safety Education" was the topic of the talk by Richard E. Vernor before the F.P.E.S. meeting last Friday. Mr. Vernor has gained a wide reputation as a speaker in this field and has appeared before community groups all over the country. He is also the author of "Chasing the Fire Demons," an article which appeared in the *Armour Engineer and Alumnus*.

Mr. Vernor spoke in a non-technical manner and pointed out the common lack of knowledge regarding fire hazards in simple acts. He pointed out numerous examples, such as the striking of a match or placing a cigarette on a tray. In the case of the cigarette, for example, the lighted end should be on the out-

side so that when the burning stub falls it will fall inside, rather than outside, the tray. The price paid for such ignorance as this is tremendous fire losses and numerous deaths from fire. Over 100,000 people have died by such means in this country alone, since the war.

Mr. Vernor mentioned that the nation's fire loss has been cut in half in the last decade. This is largely attributed to the extensive educational campaign for fire prevention conducted in schools and presented to the general public by three national fire protection organizations. These organizations are the National Board of Fire Underwriters, the National Fire Protection Association, and the National Fire Waste Council. The first mentioned is an association of stock insurance companies established in 1866 which maintains laboratories throughout the country and large departments for arson legislation. The N.F.P.A. is an organization in which anyone interested may hold an associate membership. Its function is to develop fire protective standards for buildings and equipment. It maintains some fifty committees for this purpose.

The last organization described by Mr. Vernor is a non-technical one, the National Fire Waste Council. Its membership is comprised of twenty national organizations, four government bureaus, and many chambers of commerce. Its interests are chiefly in educating and organizing fire councils in various communities. In conclusion, the speaker mentioned several clubs which resulted from the extensive educational programs. The most interesting one was established in Monterey, California, and is called the "Shack of the Week Club." The function of this club is to select an undesirable building each month and compel its possessor to either tear it down or make improvements. This club has been operating effectively since its beginning and offers a model for other similar organizations.

A.S.M.E. SMOKER—

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for the first time, the various fees payable to the government for a patent, the definition of patentable material and to what requirements the subject must conform to be patentable.

Prof. Nachman, recently returned from the national meeting of the honorary chairmen of the A. S. M. E., held in New York City, brought back the information that out of the 120 A.S.M.E. college branches, Armour was second in membership ranking, having 137 members and being led only by Purdue with 203 members. The University of California was third with 123 members.

Help Keep Our Union Clean

Foundry Class Runs First Iron Heat of Present Semester

Last Thursday the first iron heat of this semester was run off under the guidance of Mr. Kube, foundry instructor. As in the past it was quite a show, drawing the usual amount of spectators. The furnace was charged to the maximum with seventeen hundred pounds of iron and a sufficient amount of coke to run the heat.

Every thing started off on time with a bang, and with the spectators getting in the way as usual. The first tap from the furnace went to burn out the ladles. This was no longer accomplished when the second tap was ready and waiting to be poured. This tap was used up with the filling of the large ladle and a few of the hand ladles. The large ladle was handled by the two "mini mountains" of the class, who proceeded to pour their moulds in good style. The next few heats were repetitions of the second with the men preferring the smaller ladles. The class was a little jumpy handling the hot metal at the beginning, but after the first couple of taps they settled down like professionals.

As the work progressed the men pouring the large castings ran into a hot mould that proceeded to throw the metal back at them. This was quickly remedied by a few hand fulls of sand thrown in the riser and sprue holes. The men operating the furnace seemed to have the most interesting job, for their labors attracted the interest of most of the spectators. The climax of the iron pouring came when the bed of the furnace was dropped to allow the remaining coke and slag to leave the furnace.

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A.T.S.A.—

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needed to use all available space for studying purposes, but, once the new term arrives for the assembly hall, it will be used in preference to the lounge for studying purposes. Other suggestions that will be brought to the board, according to members of the staff, will include regulations regarding the movement of the furniture in the lounge, the use of the ash receptacles placed in the building last Friday, keeping the lights in the room out when not in use, and restraining from the use of the lunch room for studying from 11:00 to 1:15. Numerous other suggestions are to be brought to the board meeting by the members, since at the first meeting the complete regulations and the act forth. After this has been done the board will have few more suggestions.

'Engineer' Ready Before Holidays Says Hendricks

Professor Walter Hendricks, head of Armour Tech's English department and editor of the *Armour Engineer and Alumnus*, announces that the next issue of the quarterly will be distributed before the Christmas holidays.

At least two of the stories in the coming issue will be written by men from Armour. Dr. W. C. Krathwohl, director of the department of educational tests and measurements, will describe in detail the purposes and results of the tests given to freshmen at Armour. The title of his article will be "We Measure Our Freshmen."

From data and results obtained from experiments at the Research Foundation, Dr. Thomas C. Poulter, director, will discuss high pressures in an article on "The Study of Extreme Pressures and Their Importance in the Investigation of Engineering Problems."

Walter Stearns, President of Stearns and Voyt Photo-Engravers Company, will contribute an article on "Engraving." His article will describe the various processes used by engravers, the uses for which each method is best suited, and the equipment used in this work.

Another story to appear in this issue will be written by A. P. Peterson of New Departure, a division of General Motors Corporation. This discussion will be entitled "Ball-Bearings" and will cover the design and uses of a great variety of ball bearings.

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FRESHMAN—

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ing ballet; namely, that only one man may receive a vote for a given office. Any ballot on which a notation of this rule occurs will be thrown out. The second item is an explanation of the method of listing the candidates.

Four men are running for the of-

Advanced Freshman Chemistry Class Is Started by Manley

Dr. Manley of the chemistry department has organized an advanced class in freshman chemistry. It is for those students who have already covered the regular freshman course and desire something more advanced.

The first meeting was held last Friday, at which time Dr. Manley explained the purpose of the class and made reference assignments. Each member of the class must read a reference and write a report on it. Various reports will be picked at random and read at the meetings. The next session will be held on the first Friday after the Christmas holidays.

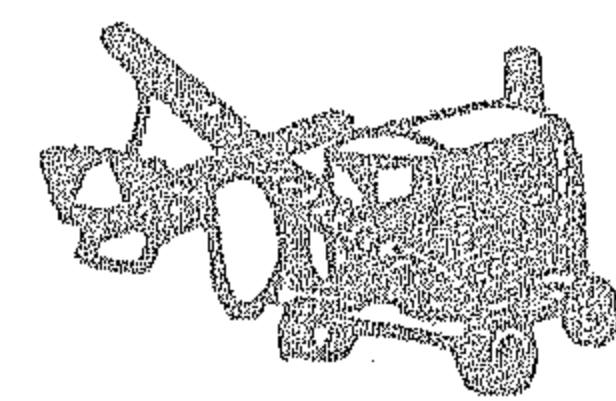
In a short time, the physical chemistry laboratory will have a new constant temperature bath. The tank of the bath will be made of stainless steel and will be large enough to perform large scale experiments. It can maintain temperatures accurately to plus or minus one tenth of one degree centigrade in a temperature range of from twenty-five to ninety degrees centigrade. It is being installed at the present time and will replace one of smaller capacity.

A new periodic chart is being made, for use in Science Hall, by Henry Newman. It will be about eight feet by ten feet in size.

In the research department, Doctors Manley and Kindsater have been developing several new types of jointing compounds for clay pipes. This project is being sponsored by the Clay Products Association.

fice of president, namely: Glenn Backman, Sam Balm, Ted Krupnik, and John Peterson. Only three are running for the vice president's position. They are: Joe Esterle, Ed Tarnowski, and Eugene Ther. The combined office of secretary-treasurer is being sought by William Hasskard, and Dick Talcott. Earle Huxford, Leonard Jindrich, and Joe Vokaty are campaigning for the office of A.T.S.A. representative; while Fred Klein, Frank Mickiewicz, Bill Simonini, and Bob Tatge are running for social chairman.

Steam Shovel



"Bar the doors, I see wolves approaching," probably was the password among the girls at Chicago Normal College last Friday afternoon. The cry did no good, however, for the Armourites stormed the doors as invited guests at the Christmas dance given by the coeds. Was it a success? Wow!

One thing that caught everyone's eye was "Jitterbug Biddle," an ickie if there ever was one. His legs reminded one of Seabiscuit coming down the home stretch. After dashing with a girl in black and white, he took home a blonde. Can't keep a good man down.

KEN OLSON, mechanical co-op, was busy with his pencil and little book taking down LORRAINE CHASE'S phone number. She was a cute little number in powder blue, and Ken wasn't the only one who noticed her.

A tall co-ed in a flaming red dress came dashing breathlessly up to Tom Hunter and exclaimed: "In case I don't see you again, goodbye!" With that she was gone with the wind. Her name is Eileen.

LLOYD NORKUS and JACK CLARK looked on from the sidelines. Overheard Jack remark, "I rode on her feet until she said I owed her another seven cents curfare. Then I quit."

Another dark secret was uncovered at the dance. Although PAUL HENRICKSON is reported going steady, whom should he ride on the "L" with, but MARION CLIFFORD, Normal's senior class president. We have a hunch she was looking for you at the dance, Paul.

HARV ROTHENBERG WAS SO ENGROSSSED AFTER THE DANCE WITH A GIRL THAT HE RODE RIGHT PAST HIS STATION ON THE "L" AND PROBABLY TOLD HER THAT HE LIVED UP HER WAY.

Carroll Peterson went to the dance with the hope of seeing his old flame, who attends Normal. However, other eye-fuls seemed to have captured his heart once he got there. . . .

When a canine friend entered PROF. PAUL'S strength class the other morning, the professor actually invited the homeless beast to stay. However, as soon as the dog sensed what class it was he dashed from the room. Quoter Prof. Paul, "I once brought home a little stray dog and had him for 15 years. By that time he weighed 150 pounds and many's the time that he was sitting on top of me after a wrestling bout."

Congrats to "SWING" FRANK CONE on his winning the radio offered by the senior class as a prize for those who bought senior dance bids. Now "Swing" will be able to swing it with Benny Goodman and the best of them.

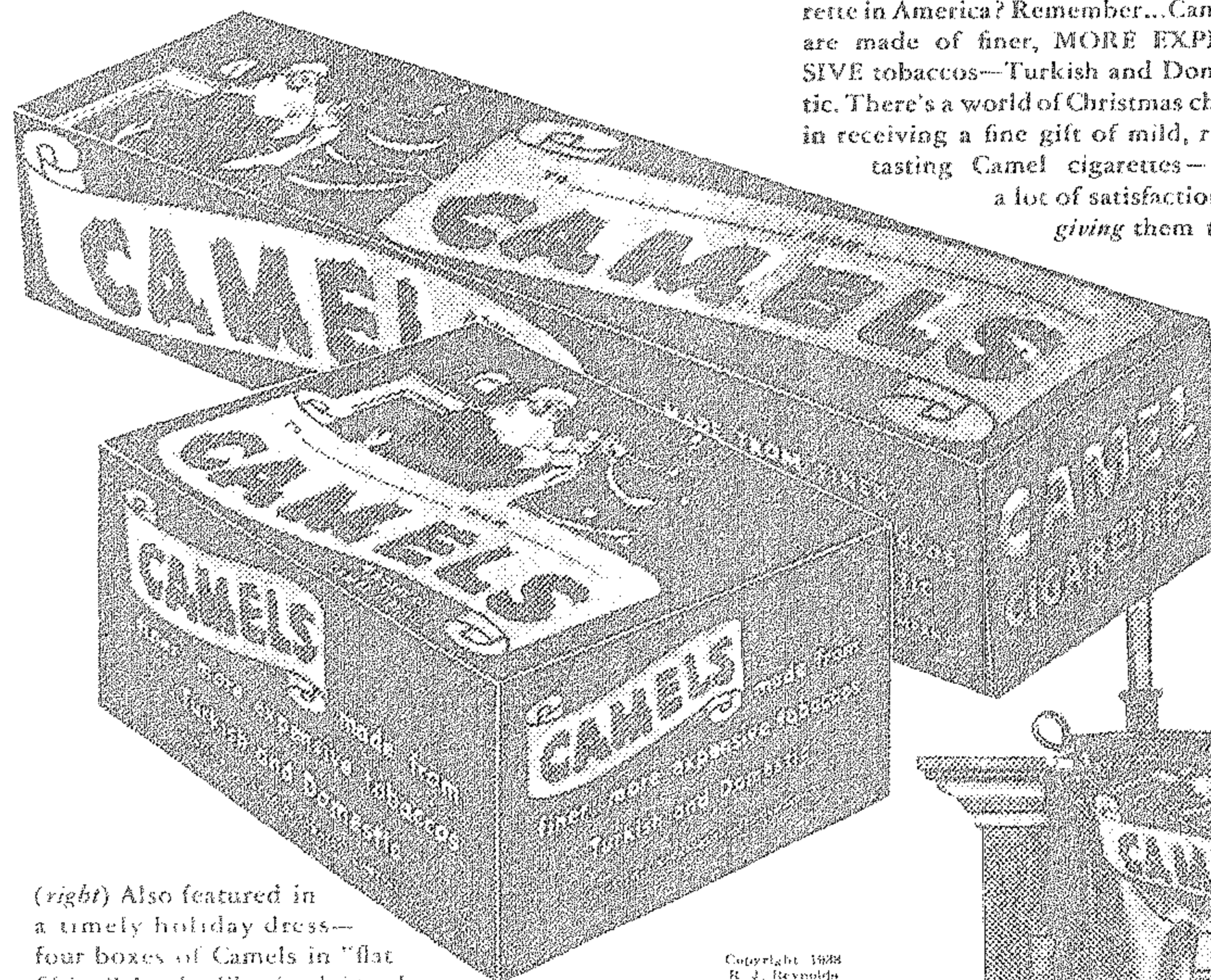
ROY JACOBSEN supposedly went to the opera recently to super, but other interests such as CYNTHIA WALKER of Winnetka, who was also supering, soon made him lose interest in "Faust" and "Jepson."

Those wandering boys of song, and bad boys of the glee club: Winblad, Vandekieft, Danforth, Mead and Yeakle had a swell time with those National College of Education co-eds: Mickey, Beth, Mary, Arlene and Sylvia, respectively, last Thursday evening, and if you smell smoke, it could be Mr. Erickson burning. Beware, glamour boys, you can't cross the swing maestro when you're supposed to be rehearsing with the Glee Club.

Well, so long all youse guys. A very MERRY CHRISTMAS and a HAPPY NEW YEAR. Make one New Year's resolution—not to make any resolutions, and you won't have any troubles. See you in '39!

CAMELS Season's Greetings PRINCE ALBERT

Check the smokers on your Christmas list—
delight them with these gaily-wrapped,
inexpensive gifts—Camels and Prince Albert



(right) Also featured in a timely holiday dress—four boxes of Camels in "flat fifties." Looks like (and is) a lot of "gift" for what you pay!

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R. J. Reynolds
Tobacco Company
Winston-Salem, N. C.

CAMELS—What could be a nicer gift for those who smoke cigarettes than Camels, by far the most popular cigarette in America? Remember...Camels are made of finer, MORE EXPENSIVE tobaccos—Turkish and Domestic. There's a world of Christmas cheer in receiving a fine gift of mild, rich-tasting Camel cigarettes—and a lot of satisfaction in giving them too!

(left) The handsome Christmas-wrapped Camel carton—10 packs of "20's"—200 cigarettes. Your dealer is featuring it now.



(above) A pound package of rich-tasting, "no-bite" smoking in this eye-filling gift package of Prince Albert, the world's most popular smoking tobacco. Be sure to see the big, generous one-pound tin on display at your nearest dealer's.



IN
SPECIAL
CHRISTMAS
WRAPPERS

A PERFECT WAY TO SAY
MERRY CHRISTMAS