



Armour Institute of Technology, Chicago, Illinois

Tuesday, December 7, 1937

# by Ballot Today

#### Last Week's Campaign Talks to Influence Vote

Candidates for class offices were presented to the freshmen last Friday morning at their class meeting in the supper dance. The social committee, Mission. The primary election was held yesterday, and today the runoff election is to be conducted.

Candidates for president are: R. Graham, D. Long, and P. Shaffer; for vice-president: K. Myers, F. Reh, G. Gardes, and S. Shapiro. Students seeking the secretarial post are: J. McErlean and R. Zoellner; for treasurer are D. Crego, D. Graf, C. Kramer, and J. Waber; and for the A.T. S.A. representative the following men are running: G. Hamilton, R. Jacobsen, and R. Sweeney.

The final group of candidates who are seeking the office of social chairman, and all promising a supercolossal freshman dance are: F. De-Money, H. Leave, R. McMahon, and J. Smith.

The candidates for all six offices presented campaign speeches at the assembly last Friday, and because of the large number of men running for office the voting promises to be spirited.

#### Worcester, Brown Speak Before A.I.E.E.; Plan to Hold Joint Meeting Soon

winter program were heard at the tion of the various kinds of materials. This means that he has ground about last AIEE meeting. R. E. Worcester | The dye and the artificial silk or | 131,000 tools so far-and he is still spoke on "Highway Lighting," and rayon industries were the two main going strong. E. Brown discussed "The Sperry topics of the talk.

of the efficiency of sodium lighting. If tungsten lamps had been installed it is estimated that the operating costs would be twice the present figure.

Brown explained the Sperry method of discovering hidden flaws in rails, and told how it was developed. liquid called viscose. This thick The Sperry apparatus is mounted in a car which moves along the track, through tiny holes of a spinneret to marking the bad rails and recording their position.

It was decided that a joint meeting of the Chicago AIEE section and the electricals of Lewis, Northwestern | Krathwohl Advocates and Armour would be held in the near future. Plans for the meeting have been left to the committees.

#### Junior W.S.E. to Hear about Aluminum Uses

Dr. Paul V. Faragher of the research department of the Aluminum Company of America will give a talk before the downtown Junior W.S.E. next Thursday evening, dealing with the engineering application of aluminum and its alloys and will discuss the cooperative program of research. The aluminum industry, young by comparison with the industries built around the older base materials, has from its very beginning followed a policy of cooperating with manufacturers in the development or redesign of their products. Continuous research work has pioneered in the field of the aluminum alloys. The talk, which will be illustrated by lantern slides, should be of interest to all members engaged in design in every branch of engineering.

This evening Professor W. M. Wil-Structural Welding" in which he will speaker. ber of lines. New methods of weld- something like this: "The relations wards changed his estimate since the of glass. Besides this all of the metal, rooms. As yet, no definite plans have terested in the development of plant show that progress in structural tended use of welding as a means of give a green area or blue and yellow The happy little beast was gently The talk was illustrated with lantern o'clock in the NEWS office. All re- usually include papers on new profabricating structures in general.

### Freshmen to Select Formal Junior Dinner Dance Date March 5

In a meeting of the junior class Wednesday, plans for the annual junior formal were discussed. The dance is set for March 5 at the Ballroom of the Palmer House. It was decided to make the affair a dinner dance rather than a led by B. G. Anderson, has already made arrangements for the ballroom the present time. Others on the committee are I. M. Footlik, D. W. Jacobson, and W. A. Stuhr.

### Dr. Kintner Talks on Chemistry of Cloth over WCFL

C. Kintner, Associate Professor of 9:30 till 1:00. Chemical engineering as the guest speaker. A. P. Schreiber, publicity director, assisted Dr. Kintner as in- Engineering Shop Assistant terpreter.

The subject of Dr. Kintner's broadcast was "Clothing Industries." The object of the talk was to demonstrate industry.

#### Use High Speed Rotary Knives

seem to be best suited for highway of bisulphite of lime under high pres- tallest building in the world. lighting. Worcester cited the San sure. The digested chips are washed

#### Used in Paper and Rayon

This pulp is used in making paper as well as making rayon. This pulp is treated with a strong lye solution and then with carbon bisulphide. The product thus obtained is dissolved in a dilute lye solution to form a thick form the fibers that are finally woven into rayon cloth.

# Use of Simple Models

Dr. Krathwohl advocated the use structors of northern Illinois, held at Wright Junior College on November 20.

fore the class, than if it is perfectly | lecture. constructed beforehand. The effectiveness lies in the fact that the class can see every step in its construction, and thus the underlying princlples upon which the model is based been able to complain of ill-treat- University of Chicago on the "Concan be brought home.

sectors.

# Offered by Seniors

Suitable to the occasion the Seniors are celebrating the last day of the school year, Friday, December 17, with an outstanding dance of the year. Realizing that former dances have always been crowded because of too small a ballroom the committee this year has arranged for the and is busy auditioning orchestras at spacious Cedar Room on the fourteenth floor of the Oriental Building downtown.

For the music Johnny Mullaney and his Collegians have been obtained. The orchestra has been very popular around town playing for college proms, and will help to make this dance a high spot of the social calendar. All classes of the school are invited, and to the freshman in particular it offers a chance to meet the upperclassmen of Armour. Bids, The fifth broadcast of educational priced at one-seventy-five each, can topics sponsored by Armour, was giv- | be obtained from any of the social en last Saturday night at 7:30 p.m. | chairmen and their committees. The over station WCFL with Dr. Robert | dance is informal and is timed for

## Sets Statisticians Working

the part chemistry and chemical engi- interest in the work being done by neers play in the improvement of this | Mr. E. R. Gatley, assistant in the engineering shops since 1921.

Mr. Gatley has sharpened an aver-Dr. Kintner started his talk by de- age of fifteen tools a day, six days Spears to Show Pictures Initial student speakers of the scribing the fibers used in the produc- a week, since he began work here.

#### Pre-holiday Dance | Soph Dance Offers Emil Flindt's Music in Medinah Ballroom

Medinah Athletic Club's grand ballroom has been chosen as the site for the annual sophomore dance to be held on Friday, January 14. Although not definitely contracted as yet, Emil Flindt, the popular maestro of Oh Henry Park, and his superb orchestra will probably provide the Techawks with their smooth, distinctive rhythm. The bids will be priced at the customary low figure of \$1.50.

The grand ballroom has a capacity of fifteen hundred people which will be more than ample for this occasion. It has been recently redecorated, and boasts a large balcony which will be furnished as a lounge. A spring floor of recent construction coupled with the pleasant atmosphere will be most conducive to prolonged dancing. A large foyer, equipped with lounges, private elevators, and ample park- test the flow of heat through insula- a common footing where they may ing facilities are the crowning factors of a perfect selection.

Emil Flindt has played to capacity crowds at Oh Henry Park for the past two years indicating his unusual popularity. His widely known orchestra has arrangements of all the Armour songs, besides his characteristic selections of soft, sweet harmony.

E. H. Worcester is the guiding hand in the affair with a year of past Armour statisticians should find experience to his credit. With these two selections he expects this dance to be the biggest affair on the Armour social calendar.

### for Faculty Club Members

gineering department will show the use of this phenomenon. The dyna-In order to further impress the motion picture which he took at tron tube invented by A. W. Hull is Method of Determining Rail Faults." The viscose process used in the magnitude of the task — if all the Camp Armour before the Armour used in radio work. This type of tube Worcester pointed out that the in-manufacture of rayon was described. tools sharpened were set one on top Faculty Club next Friday morning at is similar to the old type of screen stallation of lights on the main high- In this process, small spruce logs are of the other, they would reach to a 10:30 o'clock. The films consist of grid radio tube. The other type ways would avert 35 per cent of the chipped by high speed rotary knives. height of about 20,000 feet or nearly two reels of pictures taken at the called "the electron multiplier," innation's accident cost. Sodium lamps These chips are digested by a solution seventeen times the height of the civil summer camp at Trout Lake, vented by P. T. Farnsworth, is used Wisconsin in 1936 and 1937.

### Francisco Bay Bridge as an example in water and the fibers separated. Perfect Patlogan Dunked Dog Test; Armour Dogless for Several Weeks

#### By R. Perry

Yawning, he gazed at the blackboard, and disdainfully sniffing, the presence of the animals inspires radiations, methods of extracting and liquid is then filtered and forced turned his attention to the ceiling, the they boost the morale of the faculty handling radium, and practical appliwhile pondering upon the things that decidedly since some dogs have been cations of radium and artificial radiomake professors drone that way. His known to listen to lectures occasion- activity. head nodded, and sighing mournfully ally. If the whole thing were carried he slumped forward until his chin to a logical conclusion by means of rested easily on the floor and, with a suitable publicity campaign there Social Science Dept. an academic flourish, scratched his is no doubt but that eventually the left ear with his right foot. Perhaps distracting human element could be position that some distinctly disparag- that a class of mutts could master of color and single models for more ing conclusion was reached which, af- slide-rules better than a number of effective teaching in an address be- ter being noised about the far reaches students who, after owning Log-Log fore junior college mathematics in- of the city, has had the effect of rend- Polyphase Duplex Vectors for several eral weeks. Needless to say, this con- mastering the intricacies of the dition cannot be too strongly de- and D scales. In furthering the cause of simple | plored; a school without dogs earnestmodels, Dr. Krathwohl explained that ly attending an occasional lecture is a model is much more effective if it only to be likened to a school withis simple and can be constructed be- out dogs earnestly attending every Potter Lectures on

#### Finds Chem Lab Interesting

The discouraging part about the Professor J. G. Potter spoke last whole thing is that no dog has ever week before the Physics Club of the ment; the utmost courtesy has always tact Potential of Tungsten." He was The chief advantage of color is been extended to man's canine com- the first of several members of the that like parts, such as algebraic rade. To cite an example: a small Physics Department who will speak equations, similar figures, and others white animal passed this way last before various outside groups, the can be represented by the same summer and, being irresistibly fas- basis of the talks being the work that colors in order to emphasize their cinated, as dogs are, by the aroma they have carried on in their reequality or similarity. The use of of the chemistry laboratory, he wan- searches. color can eliminate the use of let- dered in. Now to this wee animal's The work discussed by Prof. Pot- NUS. The rooms to be vacated by yesterday for the annual convention

the door.

it was while reclining in this singular displaced. There is also no doubt ering Armour dogless for these sev- semesters have finally succeeded in

# 'Contact Potentials'

ters to identify a triangle or some inexpressible job and delight he was ter is important in determining the Pi Tau Sigma are to be occupied by of the Society for the Advancement other figure, and thus the student will overwhelmed with attentions. After efficiency of tungsten for use in the Publicity Department which is of Management to be held in New be able to follow the lecture with- being placed in a carefully regulated photoelectric or radio tubes. All of now situated in Chapin Hall. out the trouble of finding letters in bath of precisely ten degrees centi-the work in this connection must be speak on "The Current Status of a diagram while listening to the grade and tenderly washed with soap carried on in a high vacuum. In space in Chapin Hall will be occupied lective bargaining. The membership which as determined by previous an order to eliminate any external ef with the exception of a group of flats of the society is composed mainly of Soon the students in our institu- alysis contained not less than ten per- fects, all of the bearing points and on the fourth floor, which are being consulting engineers, teachers, exetions of learning may be treated to cent free alkali. (The analyser after- systems of levers must be constructed held in reserve as tentative drafting cutives of companies, and others ining are being developed, old methods between this pink parabola, lavendar dog still had some fur left at the both magnetic and non-magnetic exare being perfected, and welding is triangle, ultramarine square, vermil- completion of the immersion; in honor cept the tungsten being tested, is covbeing extended into new fields. The lion hyperbola, and orchid circle are of the inventor this test, not previ-ered with glass. Adjustments and changes. development of types of structures as follows." Perhaps a question ously covered in the texts on the sub-measurements are made by means of which have resulted from additional might be raised as to whether a blue ject, is now known as the Patlogan outside magnets exerting their effect singed dry next to the oven and then, slides.

# I. Ch. E. to Hold Combined Meeting Here Tomorrow

#### Heat Insulation Laboratory New Scene of Experiments

Under the direction of Professors Anderson and Peebles various tests with insulation are being conducted in the heat insulation laboratory. The tests are made primarily in the constant temperature room which is in- with them a joint meeting. The local sulated all around with four inches of cork. This room can be cooled to Marshall, chairman, will present a 20 degrees fahrenheit and heated to program made up of dinner, presabout 100 degrees fahrenheit.

ductivity of different types of heat | chemical engineering laboratories insulation, moisture capacity of in- while in operation. sulation, room coolers, radiators, pipe insulations, and cabinet stoves. practicing chemical engineers meet Equipment is being constructed to each other at this sort of meeting on tion at high temperatures.

#### Dr. Copeland to Talk on Electron Emission

Dr. Paul L. Copeland has been invited to speak before the Physics Colloquium of Northwestern University, on next Thursday. His talk will be "the Secondary Emission of Electrons from Solids." All solids when bombarded by electrons give off secondary emissions. In many cases the emissions are six or seven times as great as the electron bombarding the sample. This secondary emission in the case of common radio tubes is undesirable. Two types of tubes, how-Prof. S. M. Spears of the civil en- | ever, have been developed that make for the amplification of currents in photoelectric and television work.

Dr. J. S. Thompson will give a series of three lectures at the Wil son Junior College this week on the subject of "Radium and Radioactivity." These talks which are a repetino end refreshed, staggered out of tion of a series given for several years will cover the properties of Aside from the common humanities radio-active substances and their

# Transfers Quarters

#### Pi Tau Sigma Also Leaves First Floor of Flats

the few remaining organizations in denser tubes, evaporators, vacuum the Research Building to move. Pi | leaf and industrial filters, gas ab-Tau Sigma, the honorary mechanical sorption, vertical condensers, an exfraternity, will move, according to tractor, and an agitator. present plans, to the fourth floor of the first entrance, Chapin Hall. Part | be operating sanitary water treatof the remodelling necessary to make these rooms presentable will be done by the school and the balance will be done by members of the fraternity.

moved to the third floor of the same gas analysis, and various pumps. building in which it is now situated. Extensive remodeling will take place Professor Dutton Travels before the move. The space occupied by the Social Science office will be taken by Professor D. P. Moreton and his staff for the use of the AR-

manner of making the proposed ment.

research is causing the more excircle added to a yellow circle will "Dunked Dog" test for free alkali.) upon the metal parts within the tube. NEWS staff tomorrow at 12:20 The proceedings of the A.S.M.E.

#### Armour Branch to be Host to Chicago Section

Acting as hosts to the Chicago section of the A.I.Ch.E. for the third successive year, the Armour student chapter tomorrow night, will conduct chapter, under the direction of W. R. entation of student papers, speeches, Tests are being made on heat con- and inspection of the Armour Tech

> Chemical engineering students and exchange and discuss ideas and experiences. The practice of conducting these combined meetings was begun two years ago under the leadership of H. P. Milleville who was then chairman. Last year's was as successful as the first; the local chapter hope this year to equal or surpass the two preceding joint meetings. Guests Received by Faculty Club

The guests from the Chicago section will be received in the Faculty Club. H. J. Bodnar and E. F. Wagner, senior chemicals, will be in charge of the reception. From there, they will proceed to the Student Union where dinner will be served.

At the conclusion of the dinner, student talks are to be presented. Six student papers based on studies made in the Armour chemical engineering laboratories will be given by both graduate and undergraduate students.

First S. M. Osri, a senior chemical, will talk on "High Frequency Induction Furnace"; N. Gerber, research student with Dr. Komarewsky, will present "Gas Absorption"; T. M. Gilkison, assistant in chemical engineering, will give "Condensing Organic Vapors"; senior chemical B. W. Gamson will talk on "Heat Transfer Coefficients"; A. P. Schreiber, graduate student, will present "Cross-Tube Evaporator"; and last R. M. Levy will talk on "Binary Liquid Sys-

#### Berger and Kruse in Charge Most of the equipment used in the

Armour chemical engineering laboratory course will be in operation by teams of junior and senior chemicals. Inspection of the laboratory by the group will start about 9:00 o'clock. E. C. Berger will be in charge of the senior laboratory, and W. E. Kruse will be in charge of the junior laboratory.

Operating in the senior laboratory will be distillation apparatus, dies, The everexpanding needs of the vibrators, steam jacketed kettles, a Research Foundation have required gas fired furnace, horizontal con-

In the junior laboratory there will ment experiments, industrial water treatment experiments, an optical pyrometer, a radiation pyrometer, thermocouples, a resistance thermo-The Social Science office will be meter, an adiabatic calorimeter, orsat

# to Management Convention

Professor H. P. Dutton, head of MOUR ENGINEER AND ALUM- the social science department, left With this move all of the vacant preside at a group meeting on col-

Professor Dutton also will be present at a meeting of the American There will be a meeting of the Society of Mechanical Engineers.

The Slipstick

Cleave to the slipstick; let

It seems that the Scotchman was

walking along an icy street carrying

a pint of rare . er . medicinal spirits

in his hip pocket. Suddenly he slip-

ped and fell to the street with a re-

sounding thud. As he sat there, he

felt something cool and wet running

"Gash, I hope that's blood!"

The following was proved with the

dian (assumed, very assumed). Being

a comedian is funny business. Funny

business usuallly means something

fishy. Fish smell. Therefore Zazu

the home of bees. Bees are very busy

creatures. So when you have the

(3) A stylist is a swell dresser. A

hives, you are busy as a bee.

right—I'll shuffle and deal!"

It may not have been so funny, but

The Enigima to End Enigmas

There's a hole in each end large

enough to stick his head through.

A squirrel is in a cage 3 feet long.

He sticks his head through one end

and turns around and runs for the

hungry boarders.

lyhoo isn't out yet!

asked one.

(2) A hive is apiary. An apiary is

down his leg.

quoth he.

the slapstick fly where it may.

#### Let's Remember 'War Is Hell'

Newspapers stirred up feeling last week with their accounts of the flag insult and the balking of the Japanese entrance into the International Settlement in Shanghai by the United States marines. Readers were led to believe that the United States was a monster of super-human strength ready to gulp down all opposition.

We have seen what mass action will produce on our own campus in the green-cap scrambles. Individually a man would not do things which he does under the cloak of a large group. The flag was not thrown into the water when it was taken from its standard on the American owned tug at the wharf in the French concession according to U.S. consular officers. If the flag or ten flags were taken down and thrown into the water, it would not be the will of the Japanese people or government anymore then it would be the will of a class if an individual bounced a bag of water off his rival classmate's head.

Some commentators advise the United States to

The members of the faculty and student body extend to Mr. O. Gordon Erickson their deepest sympathy upon the death of his mother last week.

Vol. XX

December 7, 1937

### Armour Tech News

Student Publication of the ARMOUR INSTITUTE OF TECHNOLOGY CHICAGO, ILLINOIS Published Weekly During the College Year

Member 1936

Associated Collegiate Press

\$2.00 Per Year

Single Copies, 10 Cents Each

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take the let alone policy while others claim that if Japan were allowed to break the "Open Door" policy of American origin, the "Monroe Doctrine" applying to the American continent would be dis-'regarded.

Some people believe that the longer we are aloof, the more powerful and established Japan will be. They say that the subduing of Japan would end the situation of the three nuisance nations which include Germany, Japan, and Italy.

All of us admire strength. We enjoy the idea of little Japan's blows glancing off Uncle Sam's hairy chest. However we must remember that thousands even millions would suffer agony of death from poison gas, and the loss of parts of their bodies that are considered necessary for normal benefit of Logic (1) Zazu ic a come-

Your writer can see no need for war until trouble comes somewhat closer to our hearth. While our diplomats are writing courteous letters, let's put | stinks.! a little salt on newspaper accounts and remember that "War is hell."

#### CHI EPSILON

Chi Epsilon, national honorary Civil Engineering swell dresser is a chiffonier. A chiffraternity, was founded at the University of Illinois fonier is part of a bedroom suite. A bedroom suite may be in a lady's in 1922. About the same time, the junior and senior boudoir. This is no place for gentlecivils at Armour decided that they should have a men. Please disregard. No. 11 fraternity, open only to civil engineering students. In the following year they sent in their petition for

establishment of a chapter at Armour. The petition was granted and the Armour chapter was installed March 9, 1923. Since that time the fraternity has grown, and at present has 14 chapters. located in all sections of the country reply. with a membership around two thous-

The purpose of the fraternity is to place a mark of distinction on the undergraduate who has upheld the honor of the department of Civil Engineering by high scholastic ability, and to provide an incentive for greater acievements in the Civil Engineering profession. Election to membership is based on the four requirements of a successful engineer: scholarship, character, practicality and sociability.

The candidate must have maintained an average other hole, sticking his head through grade in scholarship in the upper one-third of his that. Should he be running at 15 class, and must be a junior or senior in regular m.p.h. the first trip and doubling his standing in the civil engineering department. E. J. Colant, G. E. Frost. H. E. Gorman, L. D. Graf. A. G. Standing in the civil clighteering department. Hansen, J. Hartman, H. C. Johnson, W. H. Kahl, E. J. Kalnin, Scholarship is merely one of the requisites for membership and more emphasis is placed on the other time? requirements in the election of members.

> The official organ of the fraternity is the "Traning engineering subjects.

veys in New York City reveals the fact that Organic Chemistry is the most difficult college subject. Also, science courses as a group are the most troublesome with history, particularly ancient, medieval, and European, not far behind.

De Pauw University's 750 male students foot most of the "date" bills, but despite those expensive items,

The University of Oklahoma has a "charm school" which is training the coed to develop her personality in ad-

speed each trip thereafter, how many trips must he make before his head sticks through both holes at the same P.S. It might help to let Zazu, the

33rd St. Foo, be the squirrel.

dear, the sandman will soon be here." Pride and Joy: "O.K., Mom. Gimme a lollypop and I won't tell daddy."

HE MUST USE THE SAME JOKE-BOOK WE DO. LOOK!

The young lady walked boldly up to a woman whom she assumed to be matron of the hospital. "May I see Lt. Barker, please?"

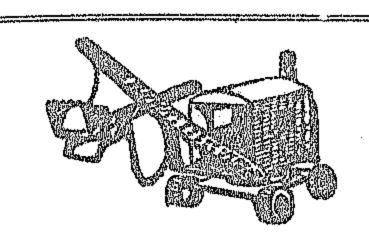
"May I ask who's calling?" "Certainly; I'm his sister." "Well, well. I'm very glad to meet

you. I'm his mother."

蛛 非 非 Jack outdoes himself with this quickie from the second act of Ta-Ra-Ra-Boom-De-Ay, 1917.

Thirty days has September, April, June and November. All the rest have thirty-one, Now, is that fair?

The Steam Shovel



E. MARIK had a fine time at the last A. I. E. E. smoker. Ed sold his dad the two eigars at a dime apiece. A real business man.

BILL CHELGREN, the "Big Apple of Armour," again acted as leader at the tea dance given for the musical clubs last Friday.

CARL REH claims he was apologizing when he was noticed in the middle of the dance floor on his knees last week.

CHUCK "BULL-MOOSE" SEL LEN last week became the proud possessor of a \$1.00 briar-coated "blast furnace." Unwisely, after an early morning breakfast, he filled it brim-full with Bowl of Roses tobacco and rakishly fired the entire charge Much later he was found in the same chair in the lunch-room, his face : lovely phosphorescent green, his eyes glassy, and the pipe trucking over his The landlady brought in a plateful | twittering chin. He had to cut his first of extremely thin slices of bread and three classes because he was unable butter, which rather dismayed her to get up. Chuck wants to announce a fire-sale on a first-rate, second-hand "Did you cut these, Mrs. Brown?" pipe.

Books most likely to be written in "Yes, I cut them!" came the stern the near future:

"Oh!" went on the boarder. "All gor.

Carstens.

it's clean. Besides, this month's Bal- | tro. Bud Adams.

Writer Gives Advice on Job-Getting Technique

Philadelphia, Pa.—(ACP)—Many seniors qualified to hold positions fail to land them because they bungle the first interview with their might-havebeen employer. For this reason, Dr. Clarence E. Clewell, director of the University of Pennsylvania's placement service, and his assistants advise seniors what not to say: "I am willing to accept any joh you offer

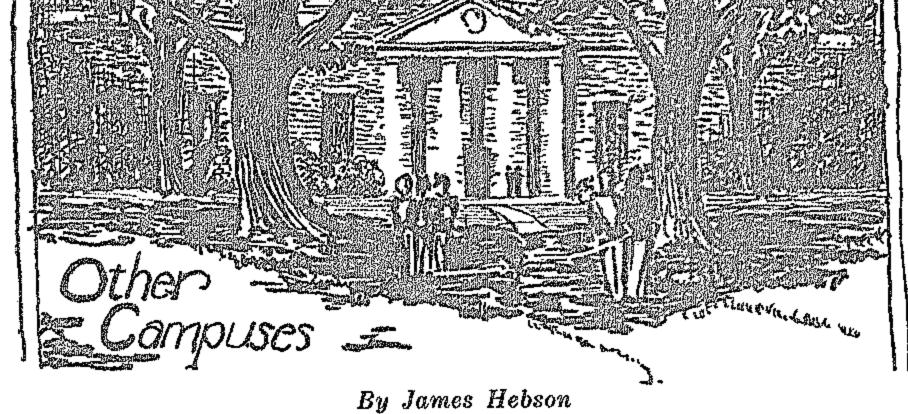
"Explain what you have done, can do and want to do. Should the question of salary arise, do not respond that you are willing to work for practically nothing, for the employer will judge you worthy of no more. State the minimum wage acceptable."

Some other suggestions for overcoming negative impressions are these: "Sincerity, modesty and good manners are most essential. Avoid personal inquiries and crude curiosity, such as attempting to read correspondence or other papers."

The results of a recent survey of degree of intelligence found in different professions puts most kinds of engineers into "second rating" along with doctors and lawyers. Electrical engineers, however, were relegated to "third rating" along with plumbers and "pseudo-scientists." We suggest that the electricals move down to the basement with lowly mechanicals.

An engineer is said to be a man "Fender Welding," by E. C. Ber- who knows a great deal about a very little, and who goes along knowing "Ancient Grecian Customs," by C. more and more about less and less, until finally he practically knows "Synthetic Blue Dyes," by Roy Pe- | everything about nothing; whereas, a salesman, on the other hand, is a man "The Correct Method of Handling who knows a very little about a great a Buckingham Fountain Pen," by deal, and keeps on knowing less and less about more and more until finally "The Anti-Tobacco Act," by Sen. he knows practically nothing about everything.





ville, N. Y. It has no entrance requirements, no required courses, no textbooks, no grades, and no examination. Admittance is based on intelligence tests and students pursue courses conforming to their interests, aptitudes and desires.

L. Lewis Jr. assured the registrar that his father is an "executive."

sweaters, uncreased trousers, and left-over summer shoes will be discarded for more appropriate apparel. dents at University Heights College

Hiram College, Ohio, is serious about this business of examinations. When the football team traveled to comes official, any student or alum-Detroit this fall for a game with Detroit Tech, a three-hour examination was held in a downtown hotel shortly after a practice session.

psychological rather than physical sense." Dr. William Moulton Marsvard, forecasts the doom of this man's | ister should be baptized at least twice. world."

comfort of the absent-minded profes- cadets approach the goal line, someon hostesses.

塚 岩 米

dress and more restraint in behavior Yard. Gentle inclines will replace on the campus. During this period them, banishing toe-stubbing forever.

An overwhelming majority of stuof New York University are in favor of a kissing ring similar to those at West Point and Cornell. If it benus may demand a kiss from his feminine companion within the boundaries of the ring.

Having been baptized only once, "The next hundred years will see the president of Georgetown College the beginning of an American matri- is in danger of losing his position. A spend less in a year than the 450 archy-a nation of Amazons in the conservative element of the Baptist | council in control of the school contends that one immersion may be sufton, psychologist, formerly of Har- ficient for a layman, but that a min-

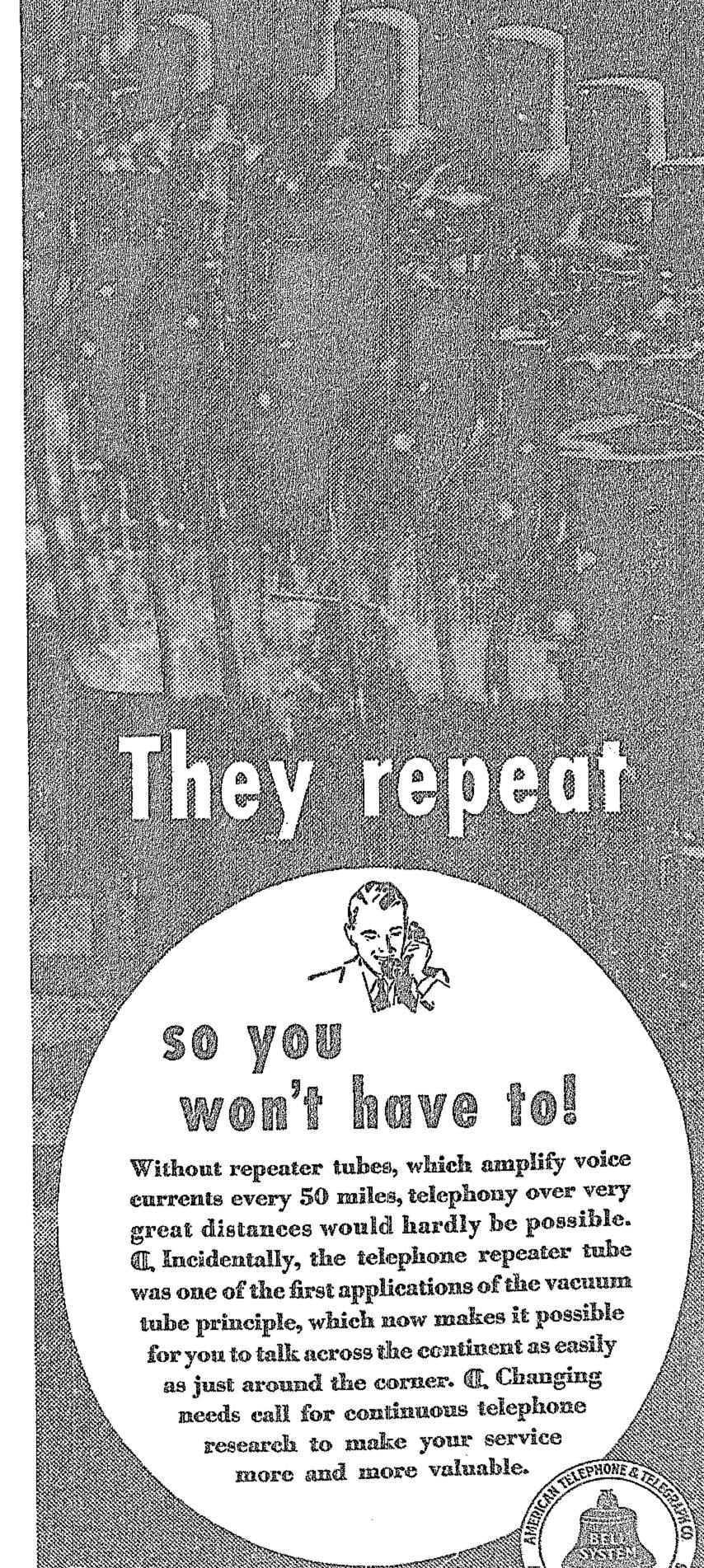
Yale claims to have found the most Harvard University has gone one effective and easiest way of stopstep further in adding to the material ping the Army football attack. When girls are learning how to be perfect

and appendicitis once."

The bureau of Educational Sur-

泰 漆 准

dition to her figure. Besides being daught how to improve make up, coiffures, and general appearance, the



Why not call Mother or Dad tonight? Kates to most

points are lowest after 7 P. M. and all day Sunday.

## Tuesday, December 7, 1937 to 34. Play Illinois, Arkansas, Lake

# Techawks Rally Over Milwaukee To Victor 47-34

#### Scherer Wins Scoring Honors as Tech Takes First

The Techawks opened their new season of play with a win over the Milwaukee Engineers in the 108th armory last Wednesday afternoon, victorious by a 47-34 score. Fourteen Techmen entered the game, including six sophomores led by Bill Scherer, high scorer, who dropped five baskets and three free throws for 13 points. Co-captains O'Brien and O'Connell netted 17 points between them for second honors.

Small Enthusiastic Crowd

which could have been considerably larger, saw the Techawks roll up 18 points to their oppenents' 6 in the first several minutes of play. A free throw by Henriksen, O'Brien's long basket and two slow, dead shots by | year's captain, and high-scoring | head and W. Futterer as guards, and Scherer gave Armour a handy lead. forward, the freshman basketball five D. Long in the tip-off berth. Long Interfrat Cagemen Both teams swapped points on free is gradually being worked into a well- was injured during the holidays but throws and a pair of field goals by rounded quintet. There have been will be in shape in time for the next Reese of Milwaukee. The referees | six practices to date, the first being | practice, his position being ably called a large number of fouls on held on Nov. 15; they will continue filled by A. Shapiro, first of the reboth teams due to overanxious first to be held on Tuesdays and Thurs- serves. game tactics by the fives, who = couldn't seem to warm up in the all too cool armory.

Techawks Forge Ahead After surrendering five free throws to the north shore men, the Techawks forged ahead on a pretty rebound rescue shot by Henriksen, Wagner's conversion of O'Connell's pass, and a trio of free throws and another basket by O'Brien and Hofmann. The visitors, although they had the ball a good deal of the time had trouble finding the basket. The Armour offense was effective only through the first shot, as no one seemed to be able to follow up his tries. The Tech forwards had the height advantage but weren't under the basket to take the rebounds and sink them. Tech accumulated its 24-15 lead at half time on some very

#### dropping 9 out of its 10 free throws. Milwaukee Has Rally

The second period opened with a spirited rally by the Milwaukee five. Captain Gutowski, Nirenberg, and Doig slipped 10 points through the Armour defense, while Henriksen made the only play on a long shot. The score stood at 26-25, Armour, and the victory that seemed so near at the half was now quite doubtful. Kubicka took a pass, dribbled in and sank a shot to ease the tension, while Reese, a keyman in the opposition, was eliminated on personals. To make things look rosier and safer, Co-Captain O'Connell got hot and dropped two quick baskets while he and Norkus tallied a pair of free tosses.

#### Reserves Are Loosed

Game time nearly over, the Milwaukee coach released his reserves in a futile attempt to find a scoring combination to overtake the Tech five. Meanwhile coach Grant Stenger tried out his new material, playing Eggers, Sher, Weber and Lurz.

Milwaukee Engineers (34) B F P O'Brien. 0 0 0 Nirenberg, f Eggers, Scherer. Wagner, g Kubicka, i Janicek. g 0 Arnold, f 1 6 1 Dobbin, g Wagner, g Lurz, g

### Interclass Wrestling, Boxing Begins Monday

Class will be pitted against class in the coming annual school boxing and wrestling tourney sponsored by the intra-mural athletic board in cooperation with the school's athletic brilliant season at home and away. under way on December 13, and the long. The sponsors of the tourney team that has a good coach, two Irish

boxing the round will be three minutes school.

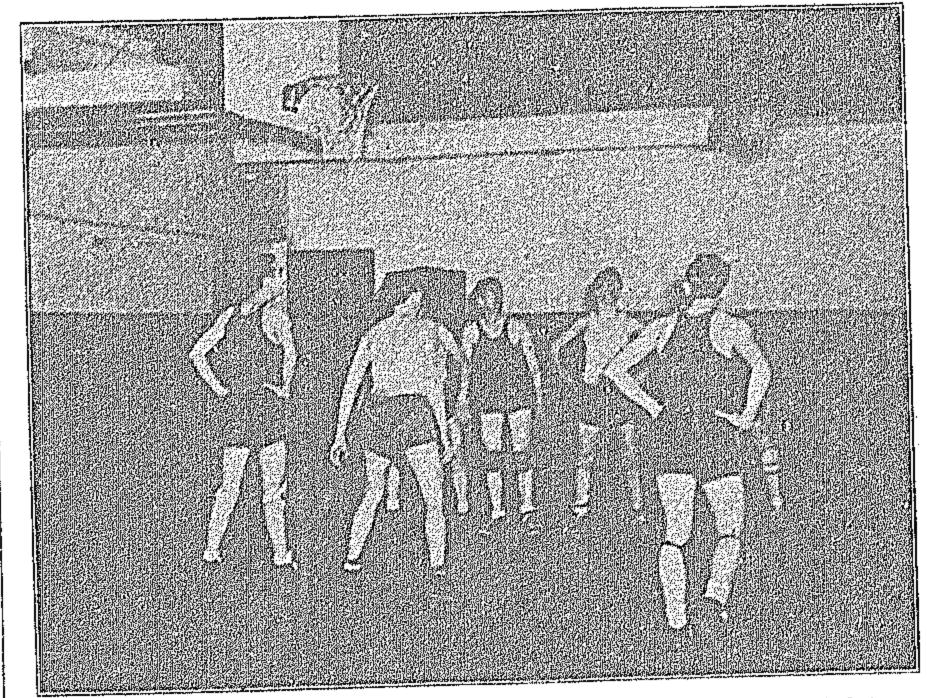


Photo by Mehringer

Another point being added to the Tech score in their opening victory over Milwaukee Engineers 47-34 last Wednesday.

### A small but enthusiastic crowd Frosh Basketeers Train for Opener

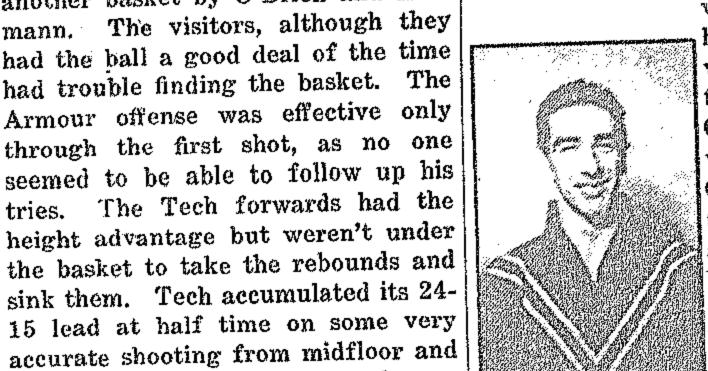
days for the remainder of the sea-

Coached by Gene Heike, last and H. Leave as forwards, G. White- tain equipment.

### Captains O'Brien, O'Connell Head Personalities of '37-'38 Cage Squad

By E. Worcester

Wee Willie O'Brien, commonly known as "Bull," has been playing basketball a long, long time. Besides And it's this speed coupled with a floor show that is a delightful mixhis three years of play as forward with the varsity



here at Tech, from which he holds three major letters, O'Brien played forward on the Mt. Carmel lightweight team for two years and held the same berth in the heavyweight five in his last two years. Bill was also a track

man at Mt. Carmel. When he wasn't busy sinking well under the basket, but he certainbaskets at school, he spent his time ly makes up for it on the floor. His dribbling and passing with the C. Y. O. league. He played with this or- have started a number of Armour ganization for two years. If experi- rallies. ence, then, is the criterion for a good O'Connell is a dead eye on long of the best-and he is.

Fair Sex Interest Bill

A senior mechanical, O'Brien has his mind on a few other things besides gears and Diesel engines. The fair sex has long been a source of interest to Bill, and in characteristic manner he shuns none of them, and even promised one a gift of fourteen little O'Briens. She hasn't seen him since. Besides basketball and being enrolled at Armour (which is a big enough bill for anyone), Will is working in the stoker research and is a member of a number of active groups in the Institute.

Scored 123 Points Last Season

O'Brien is six feet 21/4 inches tall and weighs 170 pounds. He tallied 123 points last season to carry off scoring honors for the team. Bill is a great asset under the basket and in spite of half the opposition literreaches up and drops 'em in. O'Brien isn't a stylist on the court, but he gets results; witness, ten points in the season's opener last Wednesday. O'Brien's offensive game is stronger than his defensive and when there are points needed, it's Bill who leads the boys into taking them. And it's this leadership that has made Bill an integral part of the Techawks for the past three seasons. It's Bill's endurance, skill and leadership that have rewarded him with co-captainship of an Armour squad that promises

finals will be run off on December 17, plan to have at least one man from captains and a student body to back

"Dumpy," may be fat, but he's fast. games, the fraternities present a



feated opponents. bit. Five feet and nine height for a college basketeer, and consequently Jack doesn't fare too

fast foot work and accurate passes

basketball player, Bill should be one shots and free throws, most of his 33 points of last season being shots from the floor on the black line. Jack can pep up a team when it needs it, and when the home boys are trailing and the time is short, he's just the man to keep the team level-headed and shooting straight. And basketball players like this are very few today.

#### Playing For Six Years

game for six years now. A hard-sur- really is now being played. faced court on the side of his house has made it possible to keep in pracin their group for a year. After | factor. graduating he stayed out of school and worked for a year before coming

#### Jack Has Disappointment

Jack's greatest disappointment is Eleanor. She snubs him. (She ought) to see him play basketball.) However, on out-of-town games the case is greatly different, and he draws no snubs from the gaping females. O'Connell's last wish before leaving Armour is to have a big crowd out at the Armory for home games. "A Irishmen.

# Equipment Issued

The track season definitely got under way Monday, November 29, when Coach Root held the first meeting of the season. The meeting was well attended, and judging from the

real team spirit in this sport which squad from Armour's armory will is made up largely of individual en- leave on the Illinois Central at 1:00 deavor. He said that starting with o'clock today. the interclass track meet some time week.

talks of general interest to the squad every other Tuesday at five o'clock, under way at 6:45 in the fieldhouse. provided enough men showed up to make it worth while.

and practice began December 1. son. Uniforms have been given out | Practice is held at the University of already to the first five men, with Chicago Fieldhouse between 3:30 and more for the second squad on the 6:30 o'clock. Any new men who Swanson, Hofmann Henriksen, Wagwant to try out for the team should The lineup consists of H. Fisher see Manager Monson this week to ob- Sher.

# Open Warfare Today

Anybody interested in watching a couple of spirited basketball games interfraternity basketball tourney. ing home. Not being hampered by the niceties Jack O'Connell, alias "Mouse" and observed in the inter-collegiate third consecutive win from the Ar- return game on January 4. lot of basketball sense that has made ture of rough and tumble and steam him a co-captain roller tactics; much to the glee of of Tech's basket the more blood-thirsty spectators. Phi ball team. Jack's Pi Phi, winners of nineteen straight clever fake set-up previous tourneys, will start the ball shots and snappy rolling when they meet the Sammies. passes have fooled The Phi Kaps and Delts will take over a number of de- the show at five o'clock and do their

> The curtain will be rung down on inches isn't much the first round of play Thursday, as Triangle goes forth to do battle against Theta Xi, and the Rho Delts meet the Pi Kaps. On the following Tuesday the semi-finals will be played, and on Thursday the final game will be played and the victor crown-



By Ray Braun

The Techawks opened their 1937-38 season in great style last Wednesday with their 47-34 triumph over Milwaukee Engineers and gave us our Jack hasn't stopped playing the first glimpse of how fast the game

With the new rule eliminating the tice the year around, and in any center jump after baskets are made weather. Jack likes the game, and the game has taken on more interest always has, but the St. Rita high from both the spectator and the playschool coach told him he was too lit- er angle. Now a team must be well tle. However, the C. Y. O. felt dif- rounded out and the value of good ferently, and he was in competition substitutes has become very important

After the first game we find Scherally hanging on his neck, he just to Armour to study chemistry and er in the top scoring position with play basketball. He added some five baskets and three free throws. weight and played on the varsity in And closely following him are the two his second and third years here at co-captains with ten and seven, re-Armour, and is now a two letterman. spectively. The statistics are as fol-

					F.G.	F.T.	T.P.
Scherer					5	3	13
O'Brien		٠			4	2	10
O'Connel					2	3	7
Henrikse					2	1	5
Hofmann					1	1	3
Norkus					1	1 -	3
Wagner					A	0	2
Swanson					1	0	2
Kubicka					1	0	2

In the bowling world we find the the last day before Christmas recess. each class-freshman, sophomore, it can win any title." And Jack's sophomore chemicals issuing a chal-There will be seven divisions in junior, and senior-entered in every right, especially about the captains. lenge to any class in school. How boxing and eight in wrestling. The weight division in order that the Drop in at the Armory and watch the about making them prove their mettle wrestling bouts will be one fall or a champion of each division will be boys win their games and notice who bowlers, or better yet, this might be decision in eight minutes, while in representative of the best in the is in there leading them—those two a good time to get a bowling tourand the state of the same and the same of the same of

### Track Year Opens; Cagemen Play U. of Illimois Tonight; Meet Arkansas Here on Thursday

Travel to Lake Forest Saturday Night

Illinois' "fighting Illini" will be number of new men who have come | hosts to the Techawks at Urbana toout the team should present a strong | night, when the local cagers invade well-balanced front to all opposition. the town in contemplation of their Coach Root explained the need of second victory of the season. A full

The strong Big Ten squad will diin January there would be some form | vide itself into two complete teams of competition for the team each of equal strength. Carroll college will ate especially the rivalries with be the contenders of team A, while He also made arrangements to give | Armour will be pitted against team B. | The game for the Techawks will get

Stonger to Send Large Squad

Coach Grant Stenger will take a Uniforms were issued last week, complete squad including all of the men who opened the season in the floor and won 34-31. Armour, in the game with Milwaukee. These will include O'Brien, O'Connell, Norkus, ner, Kubicka, Janicek, Sheehan, and this year of an allaround good squad,

of the week, the Techawks will return | Four lettermen have returned to the to the Armory Thursday and face an Foresters. Among these are Bob invading five from Arkansas State. | Stickels, a forward from last year's The teams will open battle here at | squad, who has a good eye for the 4:00 o'clock.

#### Out for Third Arkansas Win

This will be the third consecutive

kansas hill-billies for the three years that they will have played them. Two years ago they quelled these invaders by running up a 44-19 bill against them, while last year they were satisfied to win 37-28.

Meet Lake Forest Saturday

The climax of the week will be the Saturday night game with the Foresters of Lake Forest College. It will be the Techawk opener against teams of the Chicago area. On this list are some of the toughest contests of each year's schedule, from which origin-North Central, Wheaton, and Lake Forest aggregations.

Last year the Armour five traded victories with Lake Forest, each squad winning on its own floor. Lake Forest were first to set the trap when they invited the Techawks to their reciprocity, trimmed them 36-27.

#### Lake Forest Boasts Good Squad

Lake Forest, like Armour, boasts of no outstanding individual stars, To continue their heavy schedule but of each one a dependable man. basket, having won the free throw trophy of the college last year.

This game will be the opener for may indulge in this whim by waltzing | year that Arkansas has traveled to | Lake Forest which has dealt only with up to the fifth floor cubby-hole the local floor. Their policy has been its alumni in a game to have been around four o'clock, that being the to play the Loyola cagemen, and then played last night. Armour 's first hour set for the opening game of the face the Armour quintet before turn- and third on their list of college foes. After a game with George Williams, The cagers will be looking for their they invade Armour's floor for the



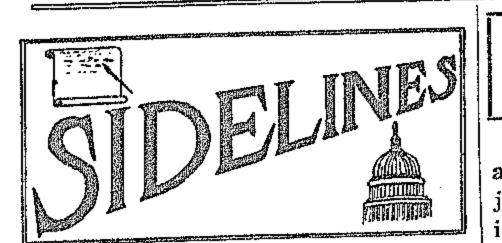
A coonskin coat, we've heard it said, Wards off chill winds from heel to head; In which respect its chief vocation's Much like No Draft Ventilation's.



A olks take such things as No Draft Ventilation as a matter of course now that all GM cars have this improvement. But when you add Knee-Action, the Unisteel Body, the Turret Top, improved Hydraulic Brakes and a steady parade of betterments—you see how a great organization moves ahead-using its resources for the benefit of the public giving greater value as it wins greater sales.

> GENERAL MOTORS DIEANS GOOD MEASURE

CHEVROLET · PONTIAC · OLDSMOBILE · BUICK · LA SALLE · CABILLAC



By Al N. Schrieber

#### New Deal Reversal

New Deal philosophy was marked that. last week with speeches by President Roosevelt on housing and Senator Quoting from the last Class "A" Harrison of Mississippi on tax revi- critique-"This problem was liked sion. Senator Harrison made a con- very much, it is nicely designed and = fession of error and tore into the tax well done-so we gave it a Half Menthe present special session of Con- And don't ask why. Or who we'd "Take your hat off son, where do you gress to drastically modify the undis- laugh at. The best plates in this think you are?" is lesson number one. tributed corporate profits tax and the judgment were turned in by Skubic capital gains levies which business and Johanson for a Mention Com- pinch hitting done while we caught followed by outside training. men have been decrying.

Another reversal of policy was indicated by President Roosevelt when in his housing speech he recommended the production of more goods at lower prices, in contrast to the poli- ment is concerned. cies of the AAA and NRA, which attempted the production of fewer goods at higher prices. This destruction and change is both radical and fundamental. He said, "The point is quickly reached where increased costs mean reduced consumption . . . which, in turn, means a decline in someone's business and someone's employment." These new policies strike the first decent blows of the administration in warding off the current business recession which may assume serious proportions if immediate action is not taken.

#### Building Cycles

The building industry has contributed a negligible amount to business recovery. During 1934 the building industry hit a low of 60,000 yearly units in contrast to the 1920-1929 average of 800,000 yearly units. Typical of durable goods industries which tend to be unstable, this industry has fluctuated widely although running through major cyclic periods of about twenty years with minor cycles every five years. Theoretically 1938 marks the beginning of expansion of the twenty year cycle.

President Roosevelt's housing program therefore coincides with the building cycle. It provides encouragement for the building of individual homes and large scale housing projects by increasing the insurable limits of the Housing Act to 90% of the appraisal value. In addition it reduces the interest on mortgages from 61/2% to 51/4% or 51/2%. He hopes that 300,000 to 400,000 units can be built in the next five years which will mean a spending of 12 to 16 billions of dollars.

#### Reduce Labor Costs

Governmental aid cannot solve the problems, however, unless private industry, labor, and financial interests give full support. Two of the major difficulties have been the small purchasing power of the public and the high cost of construction. As business conditions improve, more persons will be able to invest money in homes. But definite action must be taken to reduce the construction cost.

Labor unions are exceedingly powerful in industry and have set up a standard of wages far out of line with wages in other occupations. As a result members of the building trades get a high hourly wage but work so little that their yearly income is small. A reduction in union scales will take off the throttle hold on building activity and will result in greater yearly salaries for the workers.

#### Homes by Mass Production

Another need is cheaper materials and methods of construction. Those in the building industries seem to have missed the American genius for efficient and economical large-scale production. Here the engineer plays a major role. Already steps have been taken towards the mass production of pre-fabricated homes, scientifically planned, and using modern materials and methods. Any continued movement in this direction will greatly increase the comfort and standard of living of the American public and incidentally provide a vast field for further engineering achievements.

## Arx News

Several Arx have said that they are getting slightly bilious over the judgment notices and thus seeing them in print might precipitate a sudden deluge very damaging to a suit front so we'll take it easy and hope they hold it. Class B- Bradt, Goers, Lindahl, and Scott, mentions, A further phase in the evolution of and everyone else a half, and that's

A problem for you to figure out-

mended grade. have improved as far as entertain- goes off the deep end, sip, sip.

#### Junior Class Monte Carlo Enjoyed by Frolicking '39

Games, swimming, and ping-pong featured the highly successful Monte Carlo smoker held by the junior class Wednesday, November 24.

The main event of the evening, the contest in which the winner had accumulated the most "money" in various gambling games, was won by E. C. Carlson. Carlson was a heavy winner in the various dice and card games in which he enrolled himself. He received as his award a free bid to the Junior Formal to be held next

The sophomores are not only be-

The column is grateful for the cold down East and so thank you to The sophomores have heard of a George O. O. Nobody Cares Shucks man who is lefty twice. Somehow Danforth alias Big Apple—made into it seems that the Physics course must hard cider, at least. With this A. G. ART GUM.

#### A.S.M.E. Hears Talk on Personnel Work

"Personnel Work" was the topic discussed by Mr. Elmer Rietz, general manager of the Power Regulator Company, at the A.S.M.E. meeting held last Friday at 10:30 in Science Hall. Mr. Rietz described the engineering training and the factors necessary in his type of work.

Since the majority of the company's business is custom built, it is vital that their salesmen be trained engineers. The general organization is divided into two divisions: contract and "over the counter" sales. The and land in the garbage can. engineer must be familiar with both jobs. In selection the firm desires his committee had written as "add- tion." Incidentally many of the fel- ing trained as architects by their men well rounded in scholarship, pering confusion to the economic life lows are rooting for a recent First critic, Mr. Mell (accent on Mr.) but sonality, and activities. Emphasis is of the country." Thus it is assured Medal man to come through again so they are also going to be gentlemen placed on the importance of the perthat definite action will be taken at we can laugh and laugh and laugh. if he has anything to say about it. sonal interview, application blank, and a telephone conversation. After three decimals is .000 plus. the selection of men a training course follows which includes a shop course

> Mr. Rietz spoke of different methods for securing employment for the graduating engineer. He mentioned newspaper ads, letters, schools, friends, and agencies as possible leads.

#### Announce Discovery of New Gas in Chemistry Lecture

A new, rare gas was discovered here at the Institute recently, but the date of the event has not yet been disclosed.. The several professors that found it hesitate as yet to verify their discovery, lacking confidence in their results until full pleted. This proof, however, is far enough advanced to assure them that its fate will not parellel that of other hypothetical elements, as Britannium.

Its properties, as yet known, are unique. Its atomic weight has been partially calculated, indications seeming to prognosticate a value of 2.5. It the airplane industry where this type is so rare in an unconfined state, that of construction adds much needed its percentage in the atmosphere to head room and yet eliminates space

Experiments have shown that it obeys the gas laws unconditionally, taining its spectrum. It was found as this conclusion being limited only to | 50 per cent of the residue of a pure the accuracy of the experiments. This | vacuum, and, incidentally, is indicatcharacteristic is so evident, in fact, ed in the brains of lazy people. Its that one of its discoverers has sug- existence was unintentionally an-

The big obstacle in the proof-com- lustrated inert gases by "Neon, Arpletion is the complex difficulty of ob- gen, and So-on."

### Increased Rigid Frame Use Told by Speaker

Giving his annual talk before the WSE, Mr. Henry Penn, member of the engineering department of the United States Steel Corporation, spoke last Friday on the growing tendency toward rigid frame construction in proof of its existence has been com- steel designs. Most of the use so far has been in bridge structures where the construction adds greatly to the beauty of the structure, a more and more important factor now that the age has passed when the idea was merely to get a structure over a water

> The tendency has also moved into where it is unnecessary.

gested calling it the ideal gas itself. | nounced when Dr. C. A. Tibbals il-

