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By H. M. Ross

OMINOUS STILLNESS lies over all Europe. A new phase of the great Rhineland crisis which has been convulsing Europe for the past three has made her proposals and it is up them. The world will watch with apprehension the decisions which must now be made in London, Paris, and Geneva. War or Peace? It would be difficult to find in the pages men have had to coldly decide an issue of such momentous and farreaching consequences. The decision had to be made in 1914, but, as they saw it then, they had no choice. Today, the difficulty lies in the fact that there is a choice.

THE CHOICE involves great risks whichever way it may be decided. Should France and her allies seek to meet the challenge of Germany and enforce the public law of Europe, the danger to peace is obvious. Germany is formidable, more formidable than Italy, and Hitler is more violent than Mussolini. Thus it is plain that there can be no resort to bluff. If they decide to uphold of avoiding a clash of arms is to prowhatever that they mean business, similar meetings in the future. Only a successful outcome of such is calmly assented to.

IF ON the other hand, they accept Hitler's offer the risks are no less great. He offers them, in return for the dissolution of their defensive alliances, his promise of non-aggression. In other words, he says that for collective security, he will promise not to attack any one. The countries in the path of German advanceare to believe the promise because Hitler made it; just as they must accept the breach of the past promise because Hitler broke it.

THERE IS a third way, neither to act now nor to submit now, but to form a genuine military defensive alliance, with Britain a full member. It would, however, have to be more than an agreement of generalities; it (Continued on page three.)

Metallurgy Topic At Jr. W.S.E. Meeting

Speaking to the junior W. S. E. accident occurred. last Thursday, Mr. H. B. Knowlton, chief metallurgist of the International Harvester Company Tractor Works, presented an interesting talk on "Metallurgist Specification, Service, and Performance". The presentation was technical in nature and brought out many points of prime importance to those who are engaged in industries using steel. One of the points brought out was that the policy of engineers selecting steels from handbooks is outmoded.

An open forum meeting will be the next junior meeting to be held on April 9, 1936. A "surprise" guest

the Fleet".

Honor 'A' Advocates Solid Color in Letter

At a meeting of the Honor 'A' last Friday, plans for the changing of the school letters were discussed. The members of the club have started an extensive drive to change the letters from a black letter, with a yellow border, to one with a solid color. The club has had petitions circulated lettermen and which they plan to tion, will call the meeting to order. weeks has been reached; Germany present to Mr. Allison. After this, they plan to present their ideas to to the Locarno powers to consider the A. T. S. A. for a vote. The club hopes for immediate action, in order that the letters which will be presented in the near future will be of a new type.

At the meeting the plans for of modern history an instance where | pledging were also discussed and the announcement of the new men will be made shortly.

A.I.E.E. Will Meet

Final arrangements for a joint meeting with the Lewis Institute branch of the A.I.E.E. have been made. After some discussion, E. J Kirsch of Armour and H. H. Holublow of Lewis selected the evening of April 13, at 7:30 o'clock, at the latter's school, as the meeting place.

of the Commonwealth Edison Comthe Locarno Treaty their only hope pany will present a discussion on "The Chicago Network". It is hoped ceed unitedly and leave no doubt that this will inaugurate a series of

At the last meeting of the A.I.E.E., ment. a plan will keep Europe from plung- Mr. H. L. Olesen, of the Weston ing into the mire of international Electrical Corporation, presented a lawlessness. The risk is great. But | talk on electrical instruments, includit is impossible to retain any hope ing the moving coil, the iron vane, of respect for future treaties if the and the dynamometer. During his violation of those already existing discussion, Mr. Olesen displayed various types of voltmeters and ammeters.

Mechanicals Receive Air Cooling Machine

As a special gift, the Trane Com- and is open to the public. if France will give up her alliances | pany of LaCrosse, Wisconsin, has | presented to Armour an air cooling | tion for certain equations of the fifth machine. This machine, a very ex- degree and higher which does not pensive one, consists of numerous pretend to solve all equations of ment are asked to rely not on their | coils, through which air is passed and | these higher degrees, but does solve combined strength but on the prom- | cooled by refrigeration. The senior | all equations of the n-th degree ise of Hitler not to attack them. They | mcchanicals, under the supervision | where the solutions can be expressed are to do this as a consequence of of Professor Nachman, are now en- in terms of the n-th roots of a numthe fact that he has just violated, | gaged in connecting this apparatus | ber. without notice and by a sheer asser- to the present air conditioning units tion of military power, a pact of non- | which are located in the mechanical | through a theorem which Dr. Oldenaggression, not dictated at Versailles, | engineering laboratory. It is planned | burger proved concerning multilinear but negotiated freely, at Locarno, | in the near future to present the new | forms in a memoir to be published in and endorsed by his country. They apparatus as a regular part of the air the next issue of the Transactions of conditioning program.

Miss Steele Hurt in Automobile Accident

Miss Ellen Steele, librarian, was cut about the head and face on Mon- Professor D. Moreton day, March 23 in an automobile accident which occurred when she was driving home from school.

The accident occurred in Winnetka just a few blocks from her home. Miss Steele had been at home with a cold the previous week and had returned to work in the library on the day the

Two Talks Planned for W.S.E. Meetings

Two talks have been arranged for Wenger of the Portland Cement Com-Herring of the American Association | Columbia, New York University, and | Paulsen. of Municipal Engineers will speak Brooklyn Polytech while in New

may be presented by the committee. ment at the Lawson Y.M.C.A. will Carnegie Tech, and Cincinnati. On April 16, 1936, Captain E. D. | follow on Saturday evening, May 9. | Professor Moreton's plans were not | mosphere delightfully different from Washburn, Jr., professor of naval Present plans for the early part of definite, but he expected to be gone the classroom. science and tactics at Northwestern | the evening include moving pictures | for about ten days. He is intending University, will speak on "Types of on engineering projects and construction visit Armour alumni in the vari- vass of the class are known, the price rection of Mr. W. B. Fulghum in an obtain a suitable hall as well as a Naval Vessels and Their Function in tion methods. This will be followed ous cities through which his trip of bids will be fixed and placed on effort to bring another good production good orchestra with the limited by a swim and refreshments.

ARMOUR WILL ACT AS HOST TO NEXT S.P.E.E. MEETING

Armour is to be host to the Illinois-Indiana Section of the Society for Promotion of Engineering Education at a meeting to be held April 18 at the Lawson Y. M. C. A. Professor which were signed by most of the J. B. Finnegan, president of the sec-

> The principal speakers at the session are Professor Hardy Cross of the University of Illinois, who will talk on "The Importance of Teaching School"; Mr. Lawrence A. Downs, president of the Illinois Central System, will speak on "Engineering Education as a Preparation for Business Responsibilities"; and Dean Henry T. Heald of Armour Institute who will discuss "Part Time Courses for the Graduate Engineer."

The afternoon session will be devoted to group conferences on various subjects. Three of these groups With Lewis Soon will have Armour professors as chair- Release Statistics men: Professor J. S. Thompson is chairman of the physics group, which is holding a joint meeting with the Chicago section of the American Association of Physics teachers. The mathematics group nas Professor C. E. Paul for its chairman. Professor W. Hendricks is in charge of the group meeting in English.

At this meeting, Mr. A. J. Krupy dent of the Armour Faculty Wom- leased last week by Dr. J. F. Mc-

Oldenburger to Talk on Waltilinear Forms

"Rational Equivalence of a Form to a Sum of P-th Powers" is the title of a paper which Dr. Rufus Oldenburger will present to the American Mathematical Society at its annual April meeting. The meeting will take place on April 10 at Eckhart Hall of the University of Chicago

Dr. Oldenburger has found a solu-

The solution was made possible the American Mathematical Society. This memoir is a collection of three papers presented to the society in 1934. It was found that the theorem on multilinear forms also holds for ordinary polynomials.

Making Eastern Tour

Professor D. P. Moreton left last Saturday on a trip through the eastern states on a study of graduate cooperative work in electrical engineering. He will go to Boston first, where he is to meet with M. M. Boring of General Electric Company and Professor Timbie of Massachusetts cooperative plan as used by M. I. T. Price of Senior Bids Institute of Technology to discuss the in alliance with the General Electric Company.

From Boston he planned to go to

takes him.

Because of the spring recess. there will be no issue of the News next Tuesday, April 14.

Plans Completed for Research Foundation

tees meeting last Friday. The foundation will be formed to promote, eninvestigation by the staff, faculty, of April 18. Dancing from 9 p. m. alumni and students affiliated with to 1 a. m. will be to the tunes of Armour Institute.

Institute, is preparing incorporation are well-suited to the temperament papers to be presented to the Secre- of the Frosh, and his entertainment tary of State. It is expected that the crew, which can keep any crowd jolresearch projects to be investigated ly, is working on special acts. will be announced within two weeks. The Institute hopes to obtain added B. G. Anderson, chairman; J. R. resources and to stimulate the stu- Bunce, I. M. Footlik, H. D. Rice, and igan. dents and faculty to undertake prob- R. W. Starmann, appreciates the enlems of research.

on Physical Exams

Period of Twelve Years Is Covered

A study of the physical characteristics of incoming men at Armour, for Mrs. Willard E. Hotchkiss, presi- the greatest part freshmen, was rean's Club, is arranging for entertain- Namara of the physician's office. ment of ladies attending the meeting. These vital statistics which cover a General arrangements are being period of twelve years, 1935 inclusive, made by a committee under Mr. incorporate the results of 3,055 in-C. O. Harris of the mechanics depart- dividual examinations given to each new man upon entrance into the Institute. These results were tabulated by M. Shewchuk, junior electrical.

Form Composite Freshman The composite freshman over the span of years is quite an interesting Ha is as follows:

Tenow. The is as ionows.
Age18.73 years
Weight143 pound
Height
Chest in repose35 inche
Chest full expansion37.5 inche
Chest full retraction33.7 inche
Average chest expansion 3.8 inche

Dr. McNamara's report further shows an increase of approximately sists of a black leather cover en neering fraternity, and Alpha Chi two inches in chest expansion of the average entering freshman now as compared to twelve years back. The doctor attributes this increase to a greater participation in athletics. Physical Defects Listed

During the past twelve years 507 men, 16.6 per cent, were limited in their athletic activities, while 107 or 3.51 per cent were excused from participation in athletics. Many physical defects were noted. Excluding the acute diseases, the list is as fol-Organic disturbances of the

ļ	
	heart
	Deformities due to
	rickets
	Functional disturbances of the
	heart
	Flat feet
	Hernia
	Defects of hereditary
	nature
	Serious skin diseases5-0.16%

In addition to examining each new man, the physician's office sends a postal card to each freshman and sophomore student afflicted with serious ailment warning him not to participate in the class rush.

Depends on Canvass

Uppermost in the spring social prospring vacation. On April 17, Mr. | Electric has the plant in which some | dance at the Knickerbocker Hotel | fifteen cents. graduate electrical engineering stu- April 24. Approximately a hundred pany will talk on "Highways and dents of M. I. T. work. Professor couples will attend, according to the Construction" and on May 1 Mr. | Moreton said that he planned to visit | estimate of social chairman, R. M.

The splash party and entertain- tric plant, Pittsburg University, sure the dancers a most enjoyable comedy of character as distinguished Although a place to hold this affair evening among Armour men in an at- from the ordinary kind.

sale.

Penthouse Dance Follows Vacation

Plans for the freshman Penthouse Party are complete. Bids are being sold by the social committee and several other men who hope to get a Final plans for incorporating a're- free bid by selling ten tickets. If search foundation of Armour Insti- | present indications mean anything, tute were made at the board of trus- all the two hundred bids will be sold by the night of the dance.

It is to be an informal affair at courage, maintain, and aid scientific | 666 Lake Shore Drive on the evening Herm Crone's South Shore Country Mr. Homer Cooper, counsel for the Club orchestra. His catching melodies

The social committee, consisting of tries in the poster contest which closed yesterday, and their decision fraternity, annually awards five or has not yet been reached as to the six fellowships which consist of \$650 two men who will get the prizes of one bid each. The posters have given the dance much publicity and are well worth the time spent in making then.

The arrangement of the Penthouse will blend in very well with the evening's hilarity. A large lounge furnished with the finest modern furniture adjoins the dance floor, which will have tables surrounding it. Orders will be served to the tables at very nominal prices, and if a group wishes to be together, reservations should be made with B. G. Anderson. The floor is especially suited to dancing and has a beautiful inlaid design.

Invitations Obtained for '36 Graduation

man of the invitations and announcements committee of the class of '36, the bid for graduation announcements | Engineer and Alumnus, serving on has been obtained by the L. G. Bal- the managing board which last year four Company. Sample copies are reorganized this publication to include now being made up so that orders alumni interests. As a chemical enfor one of three types of announce- gineer he is the chairman of the A.I. ments can be taken.

graved with gold. Its contents in | Sigma, professional chemical fraterclude the class roll, program of the nity. commencement exercises, and other information of interest to close friends and relatives. The second type is similar to the first with the exception of the cover, which will be of cardboard instead of leather, but of the talk presented by Mark L. still gold engraved. The third announcement is merely sheet paper the regular Math Club meeting last folded once, printed with gold lettering. However, it has not the detailed information that is found on the other programs. The costs of these announcements will be approximately thirty seven, twenty six, and eleven M. L. Dannis has collected over a pecents respectively.

Since a hall has not yet been obtained for the graduation exercises, sixty-five, several problems involving nothing has been accomplished concerning the distribution of invita-

Players Plan to Use Curtain Type Scenery

Curtains suggesting the original settings of Shakespeare, only minor articles of furniture, and words will be used instead of realistic settings in the production of "Prince Hal and Falstaff," the play to be given by the Players during the last week in April. No definite date has been set as yet, and the price of admission is also undecided. Tickets will probably meetings of the W.S.E. following the Lynn, Massachusetts, where General gram of the seniors is their private be sold at a nominal price of ten or

around the character of Falstaff, a ody Masters, audition orchestra for well known creation appearing in CBS. Members who have heard this Shakespeare, portraying a drunkard well known orchestra play at dances His committee has formulated who revels in his misdeeds. This pro- after the Glee Club concerts have on "The Engineer in Public Works." York; the Schenectady General Elec- plans which, when executed, will en- duction is entirely comedy, but a been well pleased with the choice.

As soon as the results of a can- day evenings under the capable di- grams will be eliminated in order to

AWARD TAU BETA PI FELLOWSHIP TO H. MILLEVILLE, '36

Second Armour Student to Receive Award HIGHEST CHEMICAL

Howard P. Milleville, a senior chemical, was recently awarded a Tau Beta Pi Fellowship, one of the highest honors an undergraduate engineer can receive. Milleville, the first chemical engineer, and the second Armour man to be so honored, will make use of the fellowship to attend one of the following universities: Columbia, Wisconsin, or Mich-

Annual Award

Tau Beta Pi, honorary engineering for living ex-



H. P. Milleville

lect. The winners are selected by a committee of the national council of the fraternity, considering qualifications of scholarship and individual personality of the appli-

penses, and a

year's tuition at

any American

instituti o n

which the reci-

pient may se-

bers of Tau Beta Pi. Heads A.I.Ch.E.

cants. The applicants must be mem-

Milleville is the highest ranking chemical in scholarship and rates fourth highest in the senior class. He As reported by J. E. Linden, chair- holds the position of student director of publicity for Armour, and last year was comptroller of the Armour Ch.E., besides belonging to Phi Lamb-The most elaborate of these con- da Upsilon, honorary chemical engi-

'Trick Mathematics'? Presented by Dannis

"Trick Mathematics" was the title Dannis, a junior science student, at Friday morning before one of the largest groups attending the club meetings this year. The talk consisted of a series of puzzles, tricks, jokes, and mathematical short-cuts which riod of years. Included were a magic square, "proof" that sixty-four equals time relationships, and other puzzles of a similar nature.

A portion of the talk consisted of properties of numbers and how these properties can be of much value as a check on ordinary addition and multiplication operations. The "magic" property of nine known as "easting out nines" was demonstrated. The last part of the hour was devoted todiscussion.

Melody Masters to Play for Honoraries

On Friday, May 1, the annual interhonorary dance will be held. Members of six scholastic honoraries and three honorary societies will dance to This one act play is centered the music of Ed Kraft and his Mel-At present members of the cast are decided that unnecessary extra exrehearsing on Monday and Wednes- penses such as favors, bids, and pro-