

## Dr. Vincent Stresses Vital Need for Correct Thinking

In one of the most dramatic speeches to be presented by a guest of the student body of Armour, Dr. G. Vincent, one of the best known educators of the country received prolonged applause from a capacity audience at the general assembly last Tuesday. The energetic manner of presentation certainly did not reflect a man of 74; on the other hand his sagacity and wisdom and even the strategy used in the presentation reflects experience that may well be considered difficult for men of longer years to have acquired.

Dr. Vincent's speech was formally entitled, "As Others See Us," but it is obvious that Dr. Vincent merely used the nominal topic as a basis for emphasizing his far more important point, as he stressed it, to "think calmly—reason intellectually—not emotionally." Dr. Vincent himself combined an emotional appeal—the very thing that he cautioned others to regard apprehensively—with such seriousness when clinching a point that his intense sincerity was immediately obvious and carried with merited applause. Yet, by the combination of his humorous build-up to his educational facts, he is exceedingly clever in driving home his point more forcefully than could probably be done otherwise. His emotional appeal, if his humor can be analyzed as such, has ultimate justification in that the facts presented remain facts no matter how analyzed. Its immediate justification is that his humorously emotional appeal is a superior method of gaining interest when cleverly executed as was ably done by Dr. Vincent.

Typical of his characteristic humor is his analysis of the appeal of emotional speech which is intended to influence without recourse to rea-

son. In a choice of words which is suggestive of subtle humor in the first sentence and obvious humor in the second sentence, Dr. Vincent said: "Jumping to conclusions is one of the most exhilarating feats of mental gymnastics. . . . Most of our college graduates are like vintage wine—they're corked!"

Beside the appeal to think rationally Dr. Vincent stressed the desirability of defining terms. By doing this, he said, the "area of discussion will be limited to a large degree," thereby preventing misinterpretations. He appealed to the students to be tolerant. "Tolerance in these days," he said, "has come to mean indifference."

Carrying out the idea that others may see our country in a different light which does not reflect our true characteristics, he pointed out that among the items from America that appeared in a certain newspaper of India were the following which were printed because they seemed characteristic of this country. They were an account of the number of bank failures in this country, information about Al Capone—the typical American figure as they put it, and the increased facilities for divorce in Reno. These points lead up to the discussion of the value of proper thinking in detecting the possibilities of these items being misrepresentative if interpreted literally.

Dr. Vincent was introduced to the audience by Professor John Schommer who was a student at the U. of C. when Dr. Vincent was the Dean.

Dr. Vincent's appearance was arranged by the Institute in line with its policy of bringing before the student body, from time to time, nationally known figures in their respective fields.

## "Models" Topic at W.S.E. Meeting

The Structural Division of the Western Society of Engineers held a quarterly meeting here at Armour Tech, April 4, in D Mission. In a program arranged by Dean Heald, four papers were presented on the subject "Use of Models in Structural Engineering."

Dr. Grinter presented the paper "Misconceptions of the Usefulness of Models." Prof. Dohrenwend's paper was "Use of Photoelasticity in Structural Analysis." He used a miniature polariscope in his demonstration, and passed polarized light through transparent bakelite. A rainbow color is produced and the color can be interpreted as number or kind of flaws. "Model Studies in Soil Mechanics" was the presentation of Prof. Herbert Ensz, who used a model to investigate the pressure on retaining walls. Prof. Stevens presented a paper on "Model Analysis with Beggs Deformeter," which is applied to arch analysis.

After the presentation of the papers, the large group of engineers inspected the new Civil Laboratories

## Techawks-Maroons

(Continued from page three)

lowed six hits, he held the Techawks to one run. In accomplishing this, he also sent five men down on strikes. This year according to Coach Anderson, Paul has improved immensely and is due to be one of the best in the Big Ten.

Because of the fact that most of the ballmen are newcomers and that anyone might start, it is impossible to name the starting lineup for the Maroons. The same holds for the Techawks since the battle for the outfield posts has been by no means settled. However it is certain that the infield of Green, Dunne, Wagner, and Gebel will start in addition to Seidenberg behind the plate. Both Willie Kruse and Patsy Pacocha will see mound duty as might Alex Yursis, new rookie for the Hawks, depending upon the trend of the game.

and were shown load tests on two 12 by 12 foot concrete floor panels. Students will be inspecting the elaborate display of materials for building construction in the basement of Chapin Hall.

## Soph Chems in Lead; O'Brien's 243 Highest

One team already has practically clinched a position in the bowling finals. The soph chems who were first of four teams to finish their schedule last week, have rolled up enough points to secure this place despite the fact that more scores will be in this week.

At present the chems head the list more or less because of the 2452 series they bowled last Friday. This coupled with their former total of 4586 gave them a score of 7038 for the tournament play. The team, composed of Carpenter, Natinechek, Cultra, Grigas, and Pincus, has been fairly consistent throughout the tourney and will enter the finals as the favorite.

The other outstanding feature of the week was the crowning of a new individual scoring king when "Wild Bill" O'Brien of the senior mechs supplanted Winblad, the former holder of the mark which was 231. Bill dropped a total of 243 pins to take the crown. Despite his high score, the team bowled only 2231

## Forecaster Sees—

(Continued from page three)

providing the freshmen don't pull another one like they did last year. Since no one has seen them play yet, there is no opinion about them that can be expressed.

The Soph Mechs look the stronger of the two teams in that they have a couple of fence busters who, if they co-operate with the steady hitting of Pacocha and Wolniak, will not only win their bracket but the school championship as well.

The chems will have to rely upon their fielding with powerful batting by three or four members of the team. This team is practically the same as last year when it sprang an upset while playing under the title of "Frosh" Meteors. These are the known teams of the tournament but then—a "dark horse" scored last year.

and it appears that they will be eliminated. They now need a 2500 series to make the finals. If they should be eliminated, the tournament will lose its most colorful figure as well as its high scorer.

## News Smoker—

(Continued from page one)

were enthusiastically greeted by the men, most of whom had worked with them last year.

Russell Kotal, present editor-in-chief, acted as host and master of ceremonies.

Speech making was of course soon in order. Professor Hendricks was introduced. He modestly heaped praise on the work of Hommes for his initiative in publishing the first issue. He said it was called crust in those days but whatever it was, he gave John the credit for having it and left nothing unsaid that could possibly make anyone fail to see Professor Hendricks' sincere appreciation of the first editor's work.

### Staff Doesn't Worry Hendricks?

In turn, when Hommes spoke he also modestly praised Professor Hendricks, saying: "It was he that gave us the confidence and somehow we believed it could be done. It couldn't have been done if he hadn't had the faith in us." Reminiscing of the problems connected with the first publications, John said of Professor Hendricks: "It looks like you fellows don't worry him now. He looks younger than he used to then. He was an old man when we worked for him."

The difficulty of regular publication even as late as in '32 was expressed by Mr. Rudolf, who told how his preceding editor, F. Attwood, bragged with pride that the *News* came out every week.

### Sheehan Movie Commentator

The smoker got under way at 8:30 with a general get-together. Cigars and cigarettes were passed about freely. The general atmosphere was gay. Everyone seemed to be either talking, greeting, laughing, or welcoming at once.

Several short movies were featured during the evening. Jim Sheehan had an auxiliary microphone concealed about him so that he could break into the regular film conversation. It was discovered that his subtle humor is very effectively concealed in the innocent countenance he bears with him on other occasions.

Robert Kohn and John Hommes received first and second prizes respectively in a contest of guessing the number of matches in a quart glass jar. Some of the engineers were off by as much as 200 per cent in their guesses. First prize was an ash tray, second prize—a blue necktie.

## B-Unit of Bedeau System Explained

Arthur Rice M.E. '36 of the Michie Printing Press and Manufacturing Company, gave an elementary explanation of the "Bedeau System of Rate Schedules." Friday, April 8 in Science Hall. Explaining the system as a method of measuring the production of human labor, he pointed out the difference between the system and the ordinary time study cycle. With the Bedeau system the employee is credited with the work he actually does. Thus if an employee is operating an automatic machine requiring little attention he is credited with only the work he does when it requires attention.

The Bedeau system standard is a B unit, which corresponds to the standard work done by an average workman in a minute. Each job is examined and a B rating is applied to it. The employee is credited with the work he does in B units. The number of B's above the amount considered normal is calculated and the worker is rewarded by the payment of a bonus in addition to his guaranteed hourly wage. Thus a wage incentive is used to urge the workers to greater efficiency. If the production of a worker falls below the normal a check is made and the fault corrected. Thus a check on the efficiency of the organization is known at all times.

Because of the need for rest due to fatigue, a certain allowance is made for rest periods. The amount of time allowed is dependent upon the type of work performed. Thus a man shoveling coal would receive a larger rest allowance than a man merely pushing a lever.

The rating of each job is done by observing the number of elements in each job and noting the time required for each element. Each job is classified into operations such as loading, adjusting, securing, tool adjustment, machining, oiling, filing and inspection. All these details along with the instructions for use are filed and are used as the authority and guide for adjustments etc. of the machine.

At the next meeting officers for the coming year will be elected. H. N. Davis, National President of the A.S.M.E. will visit Armour Friday, April 22.

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