

## DR. W. HOTCHKISS DISCUSSES SOCIAL SCIENCE COURSES

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Expounding his educational philosophy in the September issue of the *Journal of Engineering Education*, President Hotchkiss stressed the importance of the social sciences for engineers.

The trends of social sciences that Dr. Hotchkiss mentioned are those which will contribute jointly to professional competence and culture. Culture, according to Dr. Hotchkiss, connotes a many-sided life, and suggests awareness of the world about, intellectual curiosity, and capacity for reflective thought.

The reason why engineering students are critical about the social sciences is chiefly due to the fact that engineering educators have not found out the real objectives suitable for these studies.

### Test Social Courses

Dr. Hotchkiss accordingly set forth six different methods for testing the suitability of social science courses. Among the important considerations are the relevancy to engineering, stimulation of intellectual curiosity, discipline in accurate reasoning, and the drawing of conclusions which lead to action.

The article also includes a discussion of the social sciences as taught at Armour. The selection of material for the social science courses is developed in conformity with the principles which Dr. Hotchkiss outlined.

"Back of every engineering project is a human situation," writes Dr. Hotchkiss. "Engineering activities are inescapably dominated by economic and social affairs."

### Develop General Knowledge

"No one can acquire a complete knowledge and understanding of these institutions (social, political, and economic) any more than he can acquire such a knowledge of the physical universe," concluded Dr. Hotchkiss, "but the social science part of engineering education can point the way toward a scientific and appreciative attitude which the engineer requires for his work and for his life as an educated citizen."

## CANDID KANSAN COVERS WATERFRONT

### NO IDLE TAIL

"It was during a student play in Fraser hall at K. U.

"To know the antique structure is to realize the situation.

"One of the rah-rah players was reposing on the 'throne.' Before he realized the time he had taken for his relaxation his cue was given. In near terror the complications overcame him. The 'throne' is one of old type that fairly shakes the building when it is put into action. And it goes into action automatically when the visitor arises.

"The student player's mind was in a whirl—and just then another member of the cast appeared.

"Here, quick!" shouted the young man whose appearance on the stage was in demand. "Sit here—sit here—sit here, I've got to go on!"

"The second student, also realizing the emergency, slid into place.

"All was well—that is, well, until No. 2 on the 'throne' heard the play swing along to his cue.

"What was he to do?

"Get up and utterly spoil the play with the roar of water?

No, that wouldn't do.

"But he must go on—in a few moments his entrance on the stage was scheduled.

"He heard footsteps. It was one of the ushers.

"Come here, quick!" he stage whispered. "Stay here—don't move—I must accept my cue."

"And he scurried from the little room.

"The play went on, the last curtain fell and the audience drifted from the hall before No. 3 dared leave his post.

"Unheralded, unsung, without the honors accorded by the Daily Kansan critics, without his name on the program, the usher, Hero No. 3 of our little story, left the building humble but wiser."

—By A. J. Carruth of Topeka State Journal via Daily Kansan

## A.T.A.A.—

(Continued from page 1)

stated that the treasurer of the A.T.A.A. shall be the comptroller of the Institute.

Finally, Section 6 of this section formerly stated among the duties of the secretary of the organization "to act as assistant to the athletic directors in the matter of arranging schedules for the various athletic contests." This has been deleted, and the part requiring the secretary to keep minutes of all board meetings in a bound book has been added.

### Term "Advisory Council" is Dropped

The new constitution omits an article stating that the Board of Athletic Control shall constitute the Advisory Council of the organization.

The words "Board of Athletic Control" in Article III of the new constitution were formerly "Advisory Council."

In the By-Laws, Article III formerly provided for the appointment of both an inter-fraternity and an inter-class athletic manager, while Section 4 of this article was not formerly included.

To Article IV, a section providing for awards for cheer leaders has been added.

In Article V, section 2, the portion reading "all protests" formerly read "all protests regarding athletics."

In Article VI, the portion reading "Board of Athletic Control" formerly read "Advisory Council."

### Old By-Laws Dropped

The following By-Laws have been omitted in the new form of the constitution:

The president shall appoint the chairman of a reception committee to

## Chess Team Receives First Decisive Defeat

After being held to a draw in two meets with the Polo-American Chess Club last year, the Armour Tech chess team was finally beaten by the Polo team by the decisive score of 7 to 2 in a meet held at Armour a week ago last Friday. This is the largest chess team.

Professor B. E. Goetz has loaned two chess books to the club, which now has a roster of thirty-three.

consist of three students, the other members of which are to be selected by the chairman himself.

The president of the organization shall appoint a social chairman.

The social chairman shall arrange the social calendar of the year.

### No Provision for Social Chairman

All dates for social affairs such as class dances, banquets, smokers, circus day, etc., of the student body must be submitted to the social chairman for approval.

The president may call the editors of the *Armour Engineer*, the *Cycle*, the presidents of the various student organizations, the class presidents, a representative of the faculty, and the officers of this organization together for the purpose of consulting on the work of the organization.

The president of this organization shall appoint a student publicity manager.

The student publicity manager shall care for all notices and bulletins of this organization.

Finally, Article VII, VIII, IX, and X have been added to the by-laws. Article IX was adopted by the students in 1933 in the form of a resolution.

## Graduate Designs New Pyrometer

A new type of instrument for measuring temperature, the Aradiant Convection Pyrometer, has been devised by R. F. Berger, a graduate student now studying for his master's degree at the Institute. The new device was designed by Berger to aid him in his work on heat transfer under furnace conditions, no suitable meter having been available. Professor McCormack read a paper on the subject, written by Berger with the cooperation of Professor Barr, at the recent meeting of the American Chemical Society in Louisville.

Two other graduate students, J. Wieland and P. J. Henoch, are also doing graduate work in the chemical engineering department at the present time. They are working on the subject of filtration of calcium carbonate sludges under various pressure conditions. In addition to their thesis projects, the three men are taking four regular graduate courses. Industrial Calculations, Chemical Thermodynamics, Materials of Construction, and Chemical Plant Design. Berger is working under a fellowship from the North-Shore Coke and Chemical Co.

In the Electrical Engineering department, six students are taking a graduate course on "Transmission Lines" under Professor Freeman. Three of them, J. A. Larson, W. L. Maurer, and J. S. Wysocki, are from Armour. A. C. Laoang and P. Light comes from Lewis Institute, and N. Bunka is an alumnus of the University of Manitoba. Bunka is the only one of the six who is planning to get his M. S. degree immediately.

Two civil engineers employed by the Bureau of Water Main Extension, S. Spaulding and H. F. Zimmerman, both from the University of Illinois, are studying under Professor Vagtborg. By special arrangement with the Bureau, they are able to work at the Institute during the day from three o'clock on, while at the same time doing their regular work for the city. C. D. Thomsen and A. C. Menor, Armour, are also studying under the direction of Professor Vagtborg on the preliminary treatment of water supplies. The latter two men are taking a course on Soil Mechanics and Foundations from Professor Ensz.

In addition to the four day students, there are five graduate civil students in the evening school taking a course taught by Professor Stevens on Statically Indeterminate Structures. Three are from Northwestern, one from Minnesota, and one from Michigan College of Mines and Technology.

H. G. Froberg, an Armour graduate, is doing research work on heat transmission under the guidance of Professor Peebles.

## Professor Schommer Gives Radio Address

Professor J. J. Schommer spoke over the radio last Friday at 12:30 at the final meeting of the "Sunday Coaches and Monday Morning Quarterbacks." His talk consisted of answers relative to play procedure, rules, and interpretation of typical fouls that have been called this season in football games.

Last Monday, he spoke before a joint meeting of the Michigan and Minnesota alumni at Mandel Brothers.

## Chemicals Hear Talk on National A.I.Ch.E.

A week ago last Monday morning at 10:30 in Science Hall, Dr. M. White, professor of chemical engineering at the University of North Carolina and chairman of the committee on student chapters of the A. I. Ch. E., gave a brief lecture to the chemical engineering students on the underlying principles and purposes of the national organization. He indicated the present value and progressive improvements outlined for the very near future and explained in detail the annual chemical problem in which junior members at all colleges are invited to participate. The problem this year is expected to be related to the TV project in Tennessee. Cash prizes are awarded for the best solution, one hundred, fifty, and twenty-five dollars being given as first, second and third prizes, while three honorable mentions will receive ten dollars each.

As a progressive measure, it is intended by the Institute to publish a bulletin at least four and possibly six times a year beginning in very short time. All student chapters are to be the beneficiaries of this publication which will include news of national interest.

The meeting was well attended and it is anticipated that a marked increase in membership will result in the Armour chapter.

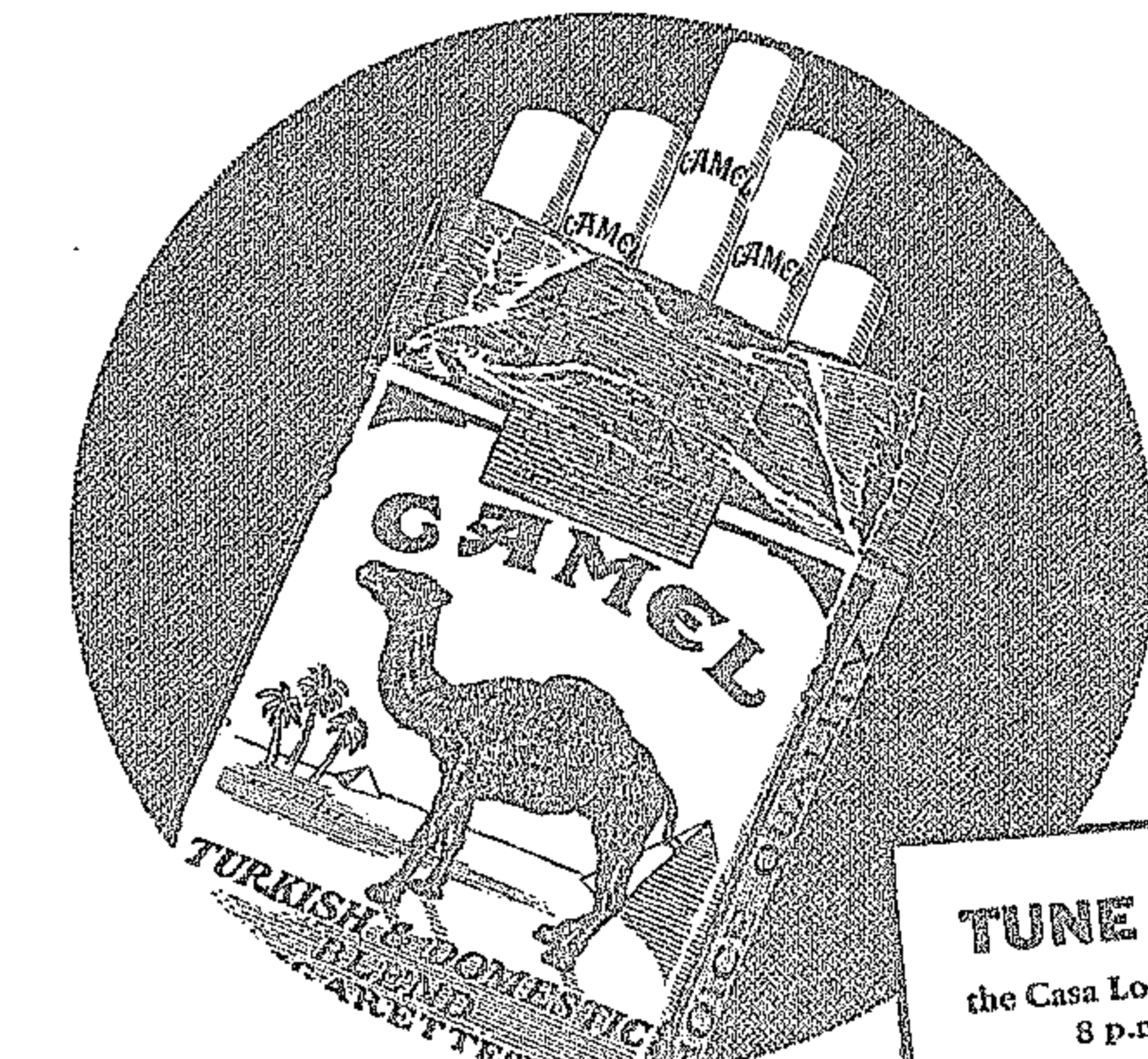
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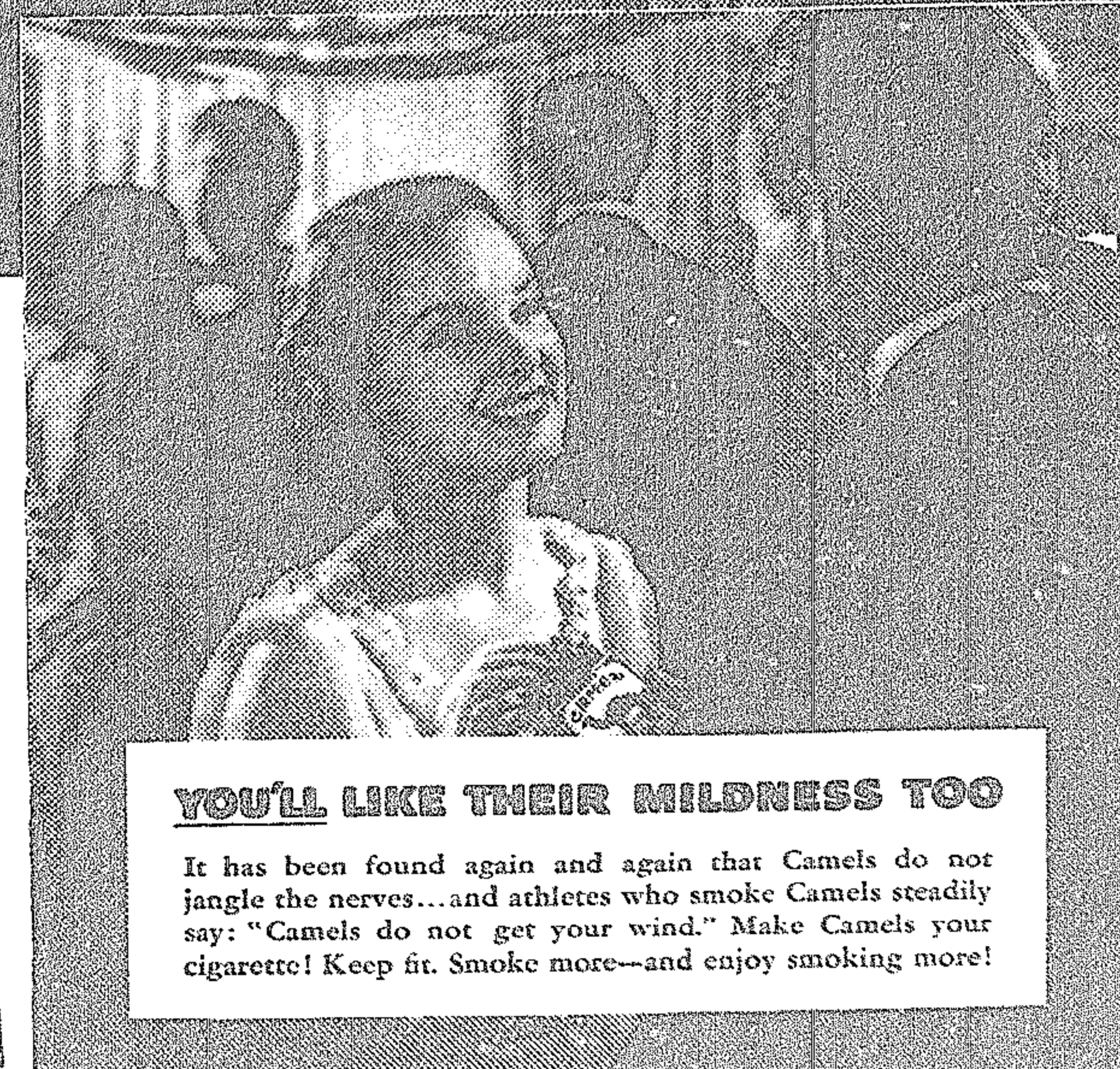


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