



By Albert M. Lane

THE HOUSE of Representatives being certain to override President Roosevelt's veto and the probability existing that the Senate will do likewise, the Patman bill, providing for immediate payment by the government of the adjusted war service certificates with treasury notes, affords material for intense economic speculation. The treasury notes are commonly referred to by the press as "unsupported" and as "Fiat" money. In fact, such notes would be well supported, for they would be drawn against bullion now under federal control and the proposed draft of \$2,100,000,000 would not nearly exceed the legal restriction against over-drafts on the treasury holdings. It is extremely difficult to see where in they could be more soundly secured by passage through the established routine of bond flotation. Such bonds would be sold to banking interests, who, in turn, would have the privilege of posting them with the government as security for their private issuance of paper money. In the final analysis, the notes, whether federal treasury notes or private bank notes, would have as security only the credit or holdings of the government. The ultimate guarantee being the same, it seems more than prudent to save the interest payments by direct issue in preference to bond sale.

THE PLAN, unfortunately, has many drawbacks. Once the precedent has been set—that of informal issuance of paper currency—it may become an established custom. Its continuance, as has been shown by the Soviet Union and by post-war Germany, probably would be unrestrained and would lead to a complete collapse of the financial structure of the nation. That it would be indefinitely extended, once begun, we might reasonably expect as a result of our own observations of the seldom relinquished extensions of federal power during the course of our history as a nation. In many ways it would seem to be the saner policy to avoid even the tendency toward inflation, giving preference to the costly but certainly more restrictive economics of financing through bond sales. Appropriations to be made by this latter method would, doubtless, be given more serious forethought than would enactments permitting further issuance of paper currency.

SEEMINGLY, as a result of a lack of sound economic thinking on the part of a former chief executive, there has been a recent scramble on the part of educators throughout the country to provide against a repetition of the late catastrophe by introducing needed additions to engineering curricula. It may yet become necessary to inject some generalities of engineering knowledge into the more liberal college training. The stampede may swing toward educating future legislators against closing off the safety valve of a steam boiler.

Musical Clubs Heard by Capacity Audience

With the auditorium filled so that only standing room was available, a capacity crowd witnessed the thirtieth renewal of the annual spring concert sponsored this year by the Faculty Women's Club. Numerous encores were called for, indicating that the concert was well received by the crowd.

The excellent playing of the orchestra soloists, John Johnson, trumpeter, and Robert Paulsen, saxophonist, pleased the gala crowd. The Glee Club soloists, Harold Hale, tenor, Alexander Kulpak, bass, and Robert Dalton, baritone, drew their just share of the applause.

In a close contest, Pi Kappa Phi won the traditional interfraternity sing.

Armour Is Host Open House Night

Armour played host to nearly 2500 friends at its annual open house exposition on Monday evening of Junior Week. All laboratories operated in full force and special exhibits were shown by the mathematics, architectural, drafting, and social science departments.

The Tesla coil, chemistry, and physics exhibits drew the largest crowds. In the library, copies of rare books were exhibited, and students gave lectures on particular mathematical applications. As in other years, the electrical department included in its exhibits electrical devices to aid the deaf. The organic, physical, and general chemistry laboratories had on display many exhibits of chemical phenomena, practical uses of chemistry, regular laboratory work, and some recent advances in chemical work.

The beautiful renderings of the architectural department in the drafting room drew the praise of the visitors. The civil and social science departments had their exhibits in the Mission. The Tesla coil with its six foot 750,000 volt artificial lightning sparks drew the largest crowd. The Tesla coil shared its popularity with the radium, Bernoulli's principle, and liquid air exhibits in the physics laboratory.

Many freshmen visited the Armour Tech filtration plant for the first time. The real value of filtration was shown by a comparison between the water from the city main before and after it was filtered.

At 9:30 the couples retired to the gymnasium decorated with pennants of the social fraternities and danced to the music of Nick Wenderlick's orchestra.

A.I.Ch.E. to Pick New Officers at Meeting

Next Friday morning at 10:30 in the Physics Lecture Room, an important business meeting of the A.I.Ch.E. will be held. Election of officers for the ensuing term will take place. In all probability this will be the last meeting of the semester.

The retiring officers are J. Weiland, President; R. Miller, Vice President; C. Riesz, Secretary; and J. Humiston, Treasurer.

Cadetships Received by Armour Students

Appointed to the United States Military Academy at West Point, Norman J. McGuone, a former Armour student, will become a cadet there on July 1.

McGuone, who left school at the end of last semester to study for the examination, which he took in March, was a member of the Chicago Black Horse troop, a part of the Illinois National Guard. A sophomore in the department of civil engineering, he was a graduate of Mount Carmel high school, Chicago. He is a member of the Delta Tau Delta fraternity.

Felix J. Kirkpatrick Jr., a colored student, formerly of the class of '37, is the other Armourite who is to report to West Point on July 1. Kirkpatrick, who when at Armour intended to study mechanical engineering, received a senatorial appointment.

Another former Armour student now at the military academy is John B. Pattison, formerly a chemical engineering student of the class of '36.

Talkies to Be Given at A.S.M.E. Meeting

Sound pictures will be shown by the Chevrolet Motor Company at the next meeting of the Armour A.S.M.E. on Friday, May 24 at 10:30 a. m. in the Assembly Hall.

"Checking Up" is the title of one of the films to be shown, following which will be presented films on automobile brakes and springs.

FACULTY MEMBER MAKES STUDY OF VIBRATION RATES

Investigating a subject which has recently become the object of wide theoretical and practical study, Professor Daniel Roesch of the mechanical engineering department is becoming recognized as a national authority on critical speeds of torsional vibrations in gas engine crank shafts. His most recent achievement was the deduction, by theoretical means, from drawings and small experimental set-ups in the automotive lab, of the vibration rates to be expected in the crank shafts of a set of Diesel engines being built for three all-steel Mississippi River work boats for the U. S. war department. The engines were built by the Buda Engine Company.

Tests Confirm Calculations

Later tests made by army engineers using the torsionograph, a direct measuring device, confirmed Professor Roesch's computations almost exactly.

The importance of the subject of torsional vibrations may be seen from the fact that they can, in some cases, cause stresses more than ten times as great as those for which shafts are ordinarily designed. Up to now there has been little theoretical treatment of the subject.

Students Assist in Work

Professor Roesch has been assisted in his work by W. W. Henning and R. J. Maci of the senior class. Henning recently presented a paper on torsional vibrations at the Midwest student conference of the American Society of Mechanical Engineers.

Work in this subject is now being offered in the regular courses at Armour, which thus becomes one of a very few American colleges where any such work is done. L. J. Beckman and H. Drell have selected it as the subject of their senior mechanical engineering options.

Dr. Oldenburger to Discuss "Relativity"

The honor of closing the Mathematics Club's successful first year rests with Dr. R. Oldenburger, who will present a talk, "A Simple Exposition of the Theory of Relativity," next Friday morning, May 24, at 10:30 a. m. in Science Hall.

This direct, non-technical talk will include a brief summary of Einstein's life, a discussion of the origin and relation of the "time" and "relativity" ideas, a brief description of the Michelson - Morley - Miller interferometer experiments, and the relation of these experiments and observations on the perihelion of Mercury to the validity of Einstein's theory.

Police Entertain Tech Students, Then Enjoy Pranks Themselves

By R. Weissman

Oh, the shame of it all! The mortifying, agonizing shame! To think that we must go to school, even attend classes with—yes, it's true, convicts. Well, at least they were prisoners if not actually convicts. And the wonder of wonders is that almost every one of the twenty-one guys hauled down to the cooler last Thursday night gave his right name, and not only that, not a single fellow responded to that stentorian call of "Next!" with the gag: "I'm just one of the Jones boys."

A pitiful sight indeed was the roundup of more than a hundred students by a mere handful, or should we say wagonfull of police. After getting the mob together, they drove the big blue taxi up to the curb, and the stalwart representatives of law and order began the loading. Brandishing his club, a most offensive Afro-policeman hurried the proceedings by warning the fellows that "ah'll jest bust yo haid wide open if enny of you guys gets funny wid me."

At first hesitatingly, then more willingly, the deluded disciples of

Juniors Use Hose on Frosh, Sophs

Everything from a near free-for-all with the seniors over the tug-of-war to the use of a fire hose on the freshmen and sophomores in the rush was resorted to by the junior class to make this year's junior week a lively one.

The festivities began on Thursday afternoon with a medley relay race between the juniors and seniors. Bob Schmidt and Herm Sumner, with three legs between them, gave the juniors an early lead, which was nearly, but not quite, overtaken, once by Al Lauchiskis carrying Bob Hella on his back, and once by George Nelson hopping with his legs tied together. The phenomenal hopping of J. O. Larson and Chuck Tuma's half lap gallop backwards were highlights of the juniors' efforts.

Hold Tug of War

Thirty-five men on a side, the upper classmen then lined up for the tug-of-war, which was to be decided by the best five out of nine pulls. After the juniors had won the first pull, the seniors decided to try substituting brains for brawn, and they succeeded in winning the second try in 1 minute, 18 seconds, with forty-three men on the rope. With dozens of the partisans of each side busily engaged in counting the lines, the juniors won the next two pulls, the time growing shorter each try, until finally, on the sixth pull, the exhausted seniors allowed the rope to slip through their hands. This ended the tug-of-war, and after a few half-hearted rushes at one another the bedraggled participants were glad enough to leave the field.

Police End Fun

When the hopeful celebrants began to arrive for the customary Thursday evening activities, they found the neighborhood under the surveillance of an army of policemen. After a great deal of milling about and loud talking, twenty-one of the nearest to the policemen were loaded into a single patrol wagon and taken to the station, where they were locked up for a few hours.

The sophomores arrived early Friday morning, and greeting the freshmen as they strolled unconsciously toward school, they managed to collect a total of eighty-five pairs of trousers. This made the freshmen considerably easier to identify, but it had a certain demoralizing effect, which was plainly felt in the rush.

Using the system devised by the present juniors last year, the sophomores won the rush, while the juniors played a fire hose on the field from the side lines, the stream falling just short of the largest group of struggling underclassmen.

The day ended with a free-for-all around the fire hose, which, enabling the juniors to get their hands in once more, left them wet but happy.

JUNIORS TRIUMPH IN ALL JUNIOR WEEK INTER-CLASS EVENTS; SOPHS WIN RUSH

Class of '36 Takes Inter-Class Relay and Soft Ball Tournament; Beats Seniors in Medley Relay and Tug-of-War

NEAL AND OMIECINSKI WIN IN PENTATHLON

All students who expect to attend the summer session of the Institute should register at once.

There will be an important meeting of the Interfraternity council on Thursday, May 25, at 4 p. m. at the Sigma Alpha Mu house.

Armour Players Choose Officers

New officers were elected for the ensuing year at a meeting of the Armour Players on May 15. Those who will take charge of the organization next semester are:

Michael Pantone—President.
Sydney Miner—Vice President.
Sidney Kreiman—Treasurer-Business Manager.

Al Schrieber—Secretary-Publicity Manager.

Robert Schwarz—Stage Manager.
After the success of "The Red Robe," a cast party was decided upon and preparations are under way for the celebration. M. Pantone, S. Miner, and S. Bernstein are making arrangements for the party which will be held on May 24.

J. O. Larson Is Elected to Lead Tau Beta Pi

At a recent meeting of Tau Beta Pi, the following officers were elected: J. O. Larson, president; H. S. Nachman, vice-president; R. M. Paulsen, recording secretary; H. P. Milleville, corresponding secretary; and R. A. Peterson, cataloguer. At the same meeting, the president and vice-president were designated as delegate and alternate, respectively, to the national Tau Beta Pi convention, which will occur October 10, 11, and 12 at Michigan State College, in East Lansing, Michigan.

Alumni Cooperate in Advertising Institute

Encouraging results have been reported to Mr. Setterberg concerning the publicity campaign for Armour which was inaugurated recently.

About two weeks ago the alumni office sent letters to Armour alumni in cities with a population of ten thousand or more within a straight-line radius of 500 miles from Chicago. This territory includes cities such as Topeka and Lincoln, and parts of the states of New York and Tennessee. In the letters the alumni were urged to spread information concerning their alma mater in the cities in which they were situated.

The alumni, it seems, have co-operated whole heartedly, and have returned letters to announce their interest. Two notable achievements are reported at this early date. John Hommes, F. P. E. '29 has directly contacted the high schools in Louisville, Kentucky; while Harold J. Luth, Ch. E. '25 has done likewise in Muskegon, Michigan.

It is expected that as the plan grows older, more and more accomplishments can be reported.

Freeman to Receive Dr. Science Degree

Professor E. K. Freeman of the department of electrical engineering will be awarded an honorary degree of Doctor of Science next Tuesday, May 27. Kansas state college, of which Professor Freeman is a graduate, will make the award.

Winning every event in which they could participate, the class of '36 pursued a policy of "Junior Week for the juniors" last week. In a complete refusal to be eclipsed by the usual freshman-sophomore bickerings, the juniors went so far as to demand a part in the annual rush by bringing a fire hose onto the field, which, in spite of low pressure, gave them the warm few minutes they were looking for. The rush was won by the sophomores, 17 to 0.

Win All Events

In the interclass activities, the juniors swept the field, winning both the soft ball tournament and the interclass relay. Continuing their triumphal procession, they swamped the seniors in the novelty activities which the marshals had arranged to give the upperclassmen a chance to be important for one afternoon at least. Leading all the way, although the seniors made several strong bids for first position, the juniors won the novelty relay by a sizeable gap. They followed this by winning four out of five pulls in a tug-of-war enlivened by the generous use of ringers by both sides, and by constant threats of resolving into an out-and-out rough and tumble.

Pi Kappa Phi, formerly Beta Psi, was the big victor in interfraternity competition, although Phi Pi Phi won both track events, the relay and the track meet, taking the trophies which had long been in the possession of Triangle.

Rho Delta Rho won the interfraternity soft ball tournament, beating Phi Kappa Sigma.

The pentathlon, in spite of the cold weather, drew a large field in both the experienced and novice classes. In the division for track men, Don Neal was victor, with a score of 2842, and Don Fleig was second. Tad Omiecinski and Irv Seidenberg were first and second in the novice class. The winner's score was 2104.

Apparently established as an annual feature, the faculty senior baseball game drew an appreciative crowd, who watched it end in the eighth inning at a time when the faculty had been assured that they were three runs ahead. However, the *News* reporter covering the game reported the final score as 7 to 7.

In the interclass softball the juniors started things off by taking the first game from the seniors by a score of 6 to 3. The freshmen followed by beating the sophs 11 to 6, but were unable to keep up the pace and lost to the juniors in the finals by a score of 6 to 3.

Warner Pitches

R. O. (Pop) Warner starred as the junior pitcher, although the freshman, Malmfeldt, had plenty of stuff. Len Robbie, elected a non-playing manager by the juniors, directed their team from the side lines.

The order of finishing in the interclass relay was as follows: juniors, seniors, freshmen, sophomores. The junior team was composed of W. Concolino, D. H. Fleig, D. J. Neal and C. Tuma.

Pi Kappa Phi won the interfraternity pageant with a stunt, which was easily the hit of the day with the spectators, entitled "Chase A. Sandstorm's Armour Teur Night." It was a ribald satire containing many references to Armour's present campus and its chance of getting a new one.

Winners in the interfraternity relay were: First, Phi Pi Phi; second, Pi Kappa Phi; and third, Delta Tau Delta. In the interfraternity track meet Phi Pi Phi was again the victor, with Pi Kappa Phi second, and Phi Kappa Sigma third.