



## SIDELINES

By Albert M. Lane

A SUMMER of diplomatic and political turbulence gives way to autumn, and the world struggles on in a turmoil of unrest and breathless expectancy. The Italo-Ethiopian situation grows more tense hourly. The crisis cannot be far in the offing. The sparring must soon be at an end, for the game of thrust and counterthrust has about worn itself out.

IT IS DOUBTFUL that Mussolini intends to execute his threat of Ethiopian conquest and subjugation. Rather, it is more likely that his scheme incorporates little more than a cleverly designed plot for international blackmail, the play being directed toward acquisition by concession of the share of colonial land that all Italy feels she should have gotten as her reward for allied participation in the World War. Mussolini rose to power on the wave of popularity he stirred into motion through his post-war writings in demand of territorial rewards for Italy. To stem the ebb of his political popularity he has again seized upon the expansion ambitions of his countrymen, and the reaction has been favorable beyond his fondest hopes. Leave it to the Duce to make the most of it.

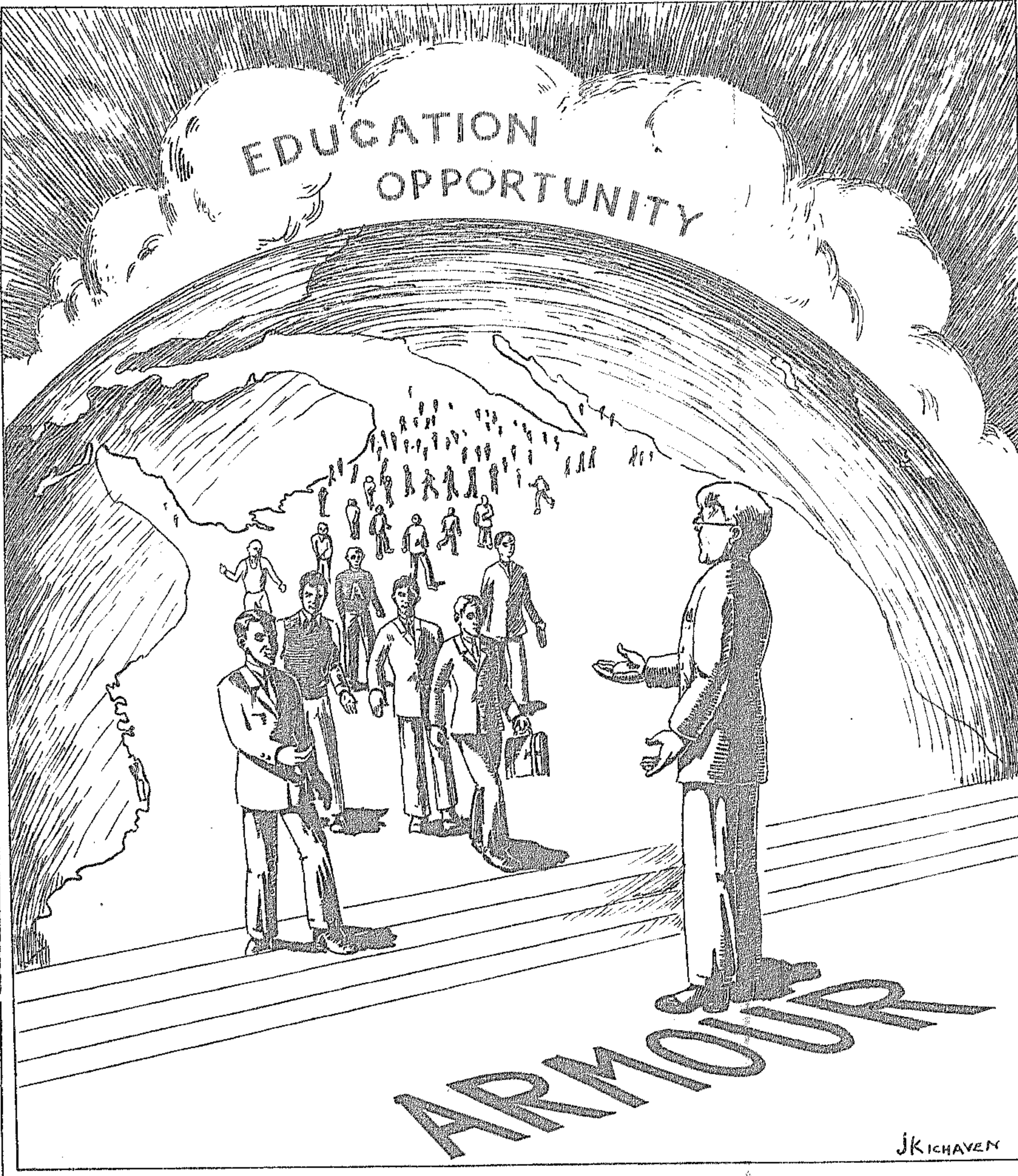
HIS GESTURE, wholly unsanctioned by his people at its inception, now has the united support of all Italy, the change of attitude having been accomplished through a relentless and unscrupulous campaign of press propaganda. With the war fever raging throughout the country, the Duce has the League in a state of consternation and he is playing his hand to the high limit. His only compromise will be the sale of peace for territorial concessions into which Italy can expand and from which she can procure sorely needed low cost raw materials—oil, coal, cotton, wool, iron, rubber, etc. So long as he adheres to threats, he has a fair chance of gaining his end. If he resorts to war, he is doomed to failure, and no one knows that more surely than does Mussolini himself.

THE DECLARATION by sixteen League members of concerted action against Italy if she perpetrates an aggression against Ethiopia is a high compliment to our state of civilization. When a people has attained a sense of responsibility toward the preservation of world peace and the extension of the function of government to the safeguarding of man's inalienable rights on an international scope, that people has advanced to a state of enlightenment never heretofore achieved. May the declaration be held ironbound and so give rise to a League of Nations revered by the world and feared by all who would transgress upon a weaker brother.

### Soil Mechanics to Be Given as Civil Course

Because of increased interest of the Civil Engineering field in Soil Mechanics, a lecture course supplemented by notes and typical problems illustrating the theory will be given for Senior Civil Engineering students during the first semester. Professor Herbert Enszt who has been conducting a post graduate course for several years in Soil Mechanics has outlined a course suitable for undergraduate study.

Attention is called to a recent book "Vocational Guidance in Engineering Lines" prepared by the American Association of Engineers in which the editors state that Foundation Engineering is one of the most promising professions for engineering graduates. They recommend that students interested in this field give special attention to a study of the mechanics of soils, which has become the basis for designing foundations.



### Tau Beta Pi Plans Reunion on Nov. 7

Plans are being made for the reunion of the active and alumni members of the Armour Chapter of Tau Beta Pi, the national honorary engineering fraternity, with the tentative date set for Friday evening, November 7.

Armour alumni who are members have been notified and invitations may possibly be sent to Tau Beta Pi members from other schools in the Chicago area.

#### Seven Active Members

At present, the Armour Chapter has seven active members. This number will be increased at the customary election of members to the fraternity within the third week of school. At this time the upper eighth of the junior class and the upper quarter of the senior class are eligible. It has been the custom to pledge only one junior at this time. After the end of the first semester another election of pledges will be held.

The officers for the coming year are J. O. Larson, president; H. S. Nachman, vice-president; R. M. Paulsen, recording secretary; H. P. Milleville, corresponding secretary; and R. A. Peterson, catalogueur.

#### National Convention Coming

Shortly before the reunion, the national Tau Beta Pi convention will be held on October 10, 11, and 12 at Michigan State College in East Lansing, Michigan. J. O. Larson has been chosen delegate and H. S. Nachman alternate.

### Alpha Chi Sigma Will Hold Smoker, Reunion

Alpha Chi Sigma, professional chemical fraternity, will hold its alumni smoker and reunion on October 9 at the Chicago Craftsmen's Club. Besides the members and pledges of the Armour Chapter, Alpha Psi, the Northwestern University chapter has also been invited for an evening of games and beer.

### ARMOUR OBTAINS SIX PROFESSORS; FOUR HAVE LEFT

#### Potter Was Once a Physicist at Bureau of Standards

Six new faculty members will greet the students of Armour Tech as the Institute begins its forty-third year. Two of the men are additions to two departments while the remaining four new instructors replace those who have left the Institute staff.

Dr. William Pearl is the new instructor in the engineering shop course. He graduated from Washington State College with the degree of B.S. and completed the work for a master's degree at that school. Dr. Pearl also holds a Ph.D. in mechanical engineering from the University of Michigan.

#### New Instructor in English

Mr. James Potter has been added to the staff of mathematics instructors. He holds a B.S. from Princeton and a master's degree from New York University. Work for his Doctor's degree was taken and completed at Yale. Mr. Potter has taught at Massachusetts Institute of Technology, New York University, and has also been a physicist for the Bureau of Standards.

Elder Olson replaces Mr. Clair C. Olson as instructor in the English courses. Mr. Olson is a graduate of the University of Chicago, also taking his master's degree there. He has won many prizes in literature and is a well known writer.

#### Sager to Teach German

Hanns Fischer's place as language instructor will be taken by Mr. Henry Sager who will teach German. Mr. Sager graduated from the University of South Dakota, took his master's degree from the University of Chicago, and is working on his doctor's degree now. He has taught at the Frances Parker and the Chicago Latin Schools.

An Armour alumnus, Mr. Harvey (Continued on page 4)

### Six Scholarships Awarded Seniors

As a material tribute to their outstanding work and activity as students of Armour, the President has awarded scholarships to six seniors. The recipients of the scholarships are: Charles P. Boberg, E.E.; Frank D. Cotterman, M.E.; Russell R. Johnson, C.E.; John O. Larson, C.E.; Howard P. Milleville, Ch. E.; and Wesley S. Weiting, Arch.

To Johnson goes the Edward G. Elcock scholarship. The Elcock scholarship is awarded to an outstanding junior or senior student in the department of Civil Engineering.

Both Cotterman and Larson are recipients of the Isadore Prenner scholarship, while Boberg and Milleville received the Bernard E. Sunny scholarship.

The Mrs. Catherine M. White scholarship goes to Weiting.

### New Engineer to Be Published in October

Transforming the 'Armour Engineer' from a magazine of purely undergraduate interest to one in which alumni will be well represented, and compiling a graduate mailing list for the revised publication have occupied the time of the staff and Prof. Moreton of the Alumni Association during the summer months.

Approximately 2400 cards were mailed, half of each to be filled out with information concerning the alumnus and returned to the Alumni Association. The new magazine, called "The Armour Engineer and Alumnus," will be mailed gratis for one year to all those returning cards. To date, approximately 1,000 returns have been received.

In addition to containing the usual articles of general and engineering interest, the new quarterly will present up-to-date information on all school, student and alumni activities to a greater extent than has been the custom in the past. It is planned to have the first issue, published in October, consist of about 24 pages.

## JUNIORS AND SENIORS TO START SHOP WORK; OTHER CLASSES TO BEGIN LATER

### Electricals and Mechanicals First to Benefit; Two Year Recess Does Not Interfere With Other Curricula

### PEARL AND GATELY TO TEACH REVISED COURSES

The course in Heat and Radiation, Physics 301, required in the engineering science curriculum, will be opened to students in other departments this semester. Those interested should register with Professor Thompson or any other member of the physics department on the regular registration day. The course will be given on Saturday morning.

Augmented by two instructors, one of whom has taught shop here previously, the department of mechanical engineering is again offering the shop courses which had been discontinued for the past two years. The first classes to benefit will be the juniors and seniors in the mechanical and electrical departments. Following the recommendations in the report of the faculty committee on shops, which was made public last year, members of the chemical and fire protection engineering departments will be required to take one year of shops to be taken in the senior year. In the civil and science departments shops are elective. Since the present seniors have already had one year, the complete shop program will not begin until September 1936.

### Office Prepares Student Ratings

Scholastic standings compiled by the Office of the Registrar for the College of Engineering and Architecture, for the second semester of the school year 1934-1935 reveal that Armour groups have but little respect for priority as far as scholastic records are concerned. The Junior class topped all others while many of the younger fraternities outshone their elder brethren.

The average of the entire student body, a total of 738 students is 1.65; 3 is a perfect A average. Grades in physical education are omitted.

The average of the various classes are as follows:

Senior Class	1.82
Junior Class	1.85
Sophomore Class	1.56
Freshman Class	1.41

Of the men who lead their respective classes, both Raymond Maci and Russell Johnson have done so during the last year.

Senior Class—Raymond J. Maci ..... 2.85

Junior Class—Russell R. Johnson ..... 2.96

Sophomore Class—William B. Graupner ..... 2.93

Freshman Class—William R. Marshall ..... 2.94

In computing the department averages, the first year men are excluded.

Engineering Science ..... 2.08

Fire Protection Engineering .. 1.93

Chemical Engineering ..... 1.79

Electrical Engineering ..... 1.73

Mechanical Engineering ..... 1.70

Civil Engineering ..... 1.67

Architecture ..... 1.51

Since the architects are graded on a different basis, no fair comparison of their departmental ranking can be made.

Among the honorary organizations, Tau Beta Pi heads the list.

Honorary Fraternities—Tau Beta Pi ..... 2.56

Phi Lambda Upsilon ..... 2.48

(Continued on page 2)

### WANTED

Applications for positions on the reportorial staff of the Armour Tech News will be received Thursday, September 26 in the offices of the News, fourth entrance, second floor, Chapin hall, between the hours of one and five. Freshman and sophomore students are eligible.

While a knowledge of journalistic English is not imperative, a willingness to do conscientious work is a definite requirement. Freshmen who are interested in newspaper work, or who think they may become interested, are urged not to wait till the second semester or the second year to commence working for the News.

New men on the staff will have their choice of working on the editorial staff, the sports staff, or the business staff.

#### Former Instructor Back

Mr. William Pearl and Mr. Edward Gately are the instructors assigned to the shop courses. Mr. Pearl received his Ph.D. in mechanical engineering from the University of Michigan where he did research work in aviation and the x-raying of metals. Besides experience in various large factories he has been teaching for 15 years.

Mr. Gately, his assistant, was instructor in machine shop practice at Armour from 1921 to 1933 and has worked in many shops here and in England, where he graduated from the Runcorn Technical Institute.

#### More Inspection Trips

The task of coordinating the four shops' work is tentatively planned to start with molten metals, including foundry work and some pattern making. Later, courses will include machine tool shop forging, heat treating, and welding. Production methods and automatic machines are part of the program.

Instead of having most of the shop work consist of student problems as in the past, demonstrations and inspection trips will be given more time. The addition of a weekly lecture given to small groups will also allow more topics to be covered.

The department of mechanical engineering is also expanding some of its courses in the evening session, especially diesel engineering and air conditioning. A new course in industrial management is also being offered.

### Ten Win Awards in Scholarship Exams

Of the 144 men who took the competitive examinations for the Freshman Scholarship awards last May, ten were awarded full scholarships. The men were given a three hour examination in mathematics and in either chemistry or physics, or both. In addition each was privately interviewed. Character and the applicant's high school record with his ability to use English correctly, entered into the judgment of the scholarship committee headed by Dr. C. A. Tibbals.

Those who received the scholarships are: John Bobhill, Lindbloom; James S. Collison, Evanston; William C. Hoyer, Lane; Sigmond J. L. Moculesski, Tilden; Guy F. Morris, Hyde Park; William A. Ryan, St. Leo; Evans R. Snodgrass, Austin; William A. Wagner, Tilden; and Thomas W. Yeakle Jr.; Sullivan. In addition to these Chicago boys, Edwin Loutzenheiser, Jr., of Gothenburg, Nebraska also received a full scholarship.

A number of half-scholarships are being awarded, but the list is not yet completed.

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