

A.T.S.A. Board To Hold General Election Soon

According to members of the A.T.S.A. board there will be a general election for the board within the next two weeks. The prime purpose of this election will be the ratification of the amendments which were proposed to the constitution at the close of last year. These items were taken up in the editorial columns of the Tech News last week.

For the benefit of those students who have never seen a copy of their governing code, we print beneath this article its full text. Beneath it are to be found the proposed amendments. Regard them with care. When the election is in progress vote as your mind directs.

Also printed is the constitution of the Student Union. It will be noted that there is no provision in the A.T.S.A. rules for the Union. This should be incorporated at the coming election.

SNOW CRUISER—

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swell And Boy, look at those tires—size 120x33.5—66.

Arrive at Scene

Look at the size of that spare tire compartment measures about ten foot square at least. Storage tanks lined the sides of the next compartment, while in the next room are the living quarters. Four bunks line the sides of the room, and four chairs are fixed on each side. Comfy quarters, I'd say.

Other Features

The galley and dark room are tops in efficiency. That sink and galley would put thousands of homes to shame with its gleaming surfaces of stainless steel. Two big Diesel-electric plants cram the next room. Radiators, switches, oil lines, and exhaust pipes, are fixed in their proper places with an uncanny ability to fit the most into the smallest imaginable space.

POLAROID TALK—

(Continued from page one)

and convenient means of polarizing light were commercially available until a few years ago. At the present time, Polaroid is the only polarizing material that is commercially available in large sizes and quantities. Dr. Grabau explained that the Polaroid film is made up of great numbers of small, needle-shaped crystals, uniformly distributed in a cellulose film. The girth diameter of the individual crystals is considerably less than a wave-length of visible light. The numerical density of the crystals is so great that any given ray must traverse a large number of crystals in succession. The average size of the crystals, their numerical density, and the thickness of the film are easily controlled in a completely mechanized process that operates quickly and continuously. In order to protect the film from damage it is mounted on a between sheets of glass or other transparent materials. There is hardly any practical limit to the width in which the continuous film can be produced. Sheets thirty inches wide have long been on public display. The optical properties of polaroid vary, of course, with the numerical density of the crystals and the thickness of the film. Films have been produced varying in thickness from 0.0001 to 0.01 inch. As the thickness is increased, other factors being constant, the degree of polarization of the transmitted light increases.

Use in Automobiles

Dr. Grabau gave illustrations of many practical applications of polarized light. Foremost among these is the elimination of automobile headlight glare. This accident provoking phenomena can be amazingly reduced if every vehicle may have its headlamps and windshield equipped with polaroid screens. The axes of the polarizing screen on any one vehicle will be uniformly adjusted to 45° from the vertical. The driver can

then see ahead in the light of his own headlamps but this windshield screen will quench the direct light from the headlamps of a car coming in the opposite direction. Drivers who have tested this system have been astonished to find that they are able to read the number plate between the headlights and to see the occupants of an automobile approaching head-on. At the same time illumination of the road ahead remains as effective as it was before the approaching car came into view.

Can Avoid Glare

A second application of great practical value is the use of polaroid in sun glasses. Almost all the glare seen on bright days originates from side-walls, sheet pavements, etc. This glare light has been found to be polarized largely in the horizontal plane. Sunlight reflected from the sea, ice, and glazed snow is similarly affected. A pair of polarizing spectacles with vertical polarizing axes, quenches the glare very considerably and creates unbelievable freedom from eye fatigue.

Camera Filters

Polarizing filters for cameras also occupy a position of considerable importance in the application of Polaroid. In scenes to be photographed there is often a certain surface reflection that creates a disturbing highlight. Over quite a large range of angles, this light will have undergone considerable polarization. A polarizing filter over the camera lens brings such a highlight under control and makes it possible to bring out the details of the picture. The speaker flashed two pictures on the screen taken of the same table. One was snapped with a polaroid filter and the other without one. The intricate inlaid design on the table top was almost totally obliterated by the surface glare in the picture taken without a filter. The other film, however, showed not only every detail but the different tone shadings of the polished wood.

Illinois Central to Sponsor Field Trip

The rapid growth of oil production in the Centralia, Illinois field and the position which Illinois has attained as an oil producing state in consequence has caused extensive interest in industrial circles, and in particular that of engineering, the counterparts of which are inherent in the installation and growth of any new industry.

Fostering this interest, the Illinois Central has provided an opportunity for an inspection tour. The inspection proper will constitute, in addition to a general field analysis, a survey of production methods and an examination of minor technical problems.

No definite date has been made for the trip. Professor Penn has indicated this will be determined by the students who have signified their intention to go.

T. L. Condron To Talk To A.S.C.E. Group on "Caisson Foundations"

A talk on "Open Caisson Foundations in Deep Water" will be given by Mr. Theodore Lincoln Condron, consulting engineer, to the Armour Chapter of the A.S.C.E. on Friday, October 27, at 10:30 in Room 2W of the Student Union.

Mr. Condron is well known in the field of civil engineering. He has been employed in all phases of construction and design. Among the outstanding projects with which he has been associated is the bridge for the C.B.&Q.R.R. which spans the Mississippi River.

The talk will be illustrated by use of slides showing specific bridge foundations. Mr. Condron's talk promises to be of interest, and all civils are urged to attend.

'Eye' Opens Salon To All; Deadline Nov. 9

An open invitation is issued to all students of Armour to enter the Armour Eye photographic salon now in progress. Each entry is restricted to four prints that may be on any subject, whatsoever, and must be submitted to James Rummel, program chairman of the club, not later than November 9. Prints will be judged at the Armour Eye night meeting November 10, by men prominent in the photographic field. All new men and students interested in joining the club are urged to attend this meeting. The program will include a speaker from a photographic concern and refreshments will be served.

"Positive Processing" will be the title of the second lesson sponsored by the club, and will be given by Don Crego, Monday, Oct. 23 at 5 p.m. in the club rooms. All students are eligible to attend these classes which are held each Monday.

A.T.S.A. CONSTITUTION—

(Continued from page two)

- 3. Conduct the election.
 - 4. Announce the successful candidates.
- ARTICLE II—SPECIAL ELECTIONS**
In case an officer resigns or is unable to continue his duties, a successor shall be elected by the Board of Control.
- ARTICLE III—INTRAMURAL CONTESTS**
Section 1. Intramural contests comprising interclass athletic contests, inter-fraternity athletic contests, and the like, shall be under the direction of an intramural manager.
Section 2. The intramural manager shall be appointed by the President of the Armour Tech Student Association.
Section 3. The intramural manager must arrange intramural schedules, furnish any necessary referees, umpires, or judges, draw up any necessary rules, and make any other necessary arrangements.
Section 4. For his work, the intramural manager shall receive a minor manager's award.
- ARTICLE IV—CHEERS AND CHEER LEADERS**
Section 1. Two cheer leaders shall be selected by the Board of Control in any manner it deems advisable.
Section 2. Each cheer leader shall receive a minor sweater with a megaphone monogram on the sleeve as an award for his services.
- ARTICLE V—PROTESTS OR APPEALS**
Section 1. The officers of this organization shall act as a committee with the President as chairman when considering all protests regarding athletics, or appeals of the classes, organizations, or students.
Section 2. All protests and appeals shall be referred to the officers of the organization.
- ARTICLE VI—APPOINTMENTS**
All appointments made by the President of this organization shall be subject to the approval of the Board of Control.
- ARTICLE VII—DISTRIBUTION**
The Constitution and by-laws of the Armour Tech Student Association shall be published each fall.
- ARTICLE VIII—ATHLETIC AWARDS**
Section 1. The Standard Major and Minor "A" shall be awarded to deserving athletes. The first sweater award—major or minor—must be black. After the first award, the athlete is allowed his choice of color for his sweater. A graduating senior who earns a major letter and has won a major letter in a previous year may have a choice of a sweater or jacket for his award. Graduating seniors who have earned a major letter shall receive the standard blanket award. Manager of a major sport shall receive a major manager's award. Manager of a minor sport shall receive a minor manager's award.
Section 2. Recommendations for awards in any sport are to be made by the coach of that sport.
Section 3. The final decision in regard to awards is to be made by the Board of Control.
- ARTICLE XI—LOAN FUND**
Section 1. The Armour Tech Student Association may from time to time advance to the Student Loan Fund of Armour Institute of Technology funds from their surplus.
Section 2. The administration of this fund shall be vested in a committee whose members shall be the Dean, the Treasurer of Armour Institute of Technology, and the Student President of the Armour Tech Student Association. Loans from this fund shall be authorized by the above committee only after approval of the applicant by the Student Loan Committee of the Faculty Council.
Section 3. The withdrawal of funds from the Armour Tech Student Association reserve may be stopped at any time by action of either the Armour Tech Student Association in assembly, or by action of the Board of Control, and thereafter Armour Institute of Technology agrees to return to this fund all collections until the entire fund with accrued earnings, is restored to the Armour Tech Student Association.
- ARTICLE X—HONOR CYCLE**
The Board of Control in a meeting assembled each year shall select ten men from the graduating class to be known as Honor Edition Men. The basis of selection shall be on the leadership and interest in all school activities displayed by these men while in school in accordance with the basis of selection now drawn up. These men shall receive recognition of this award by appropriate publication of the Honor Edition Award in the Cycle. The list shall be published in alphabetical order, there being no discrimination with regard to priority in the scoring. These awards shall continue as long as the Cycle is published by this Association.
- ARTICLE XI—FINANCIAL REPORT**
A financial statement of the organization shall be published at the end of each fiscal year.
- ARTICLE XII—DIRECTORS AND COACHES**
The Board of Control shall have the power to hire directors and coaches as it deems necessary.

Shawnee Nov. 3rd

Just 10 more weeks to Xmas but just 10 days to the ARX DANCE. . . . Yes, the colossalist, terrificist, swing-a-roo of the season. . . . Remember: What? . . . THE ARX DANCE. . . . Where? . . . Shawnee Country Club. Where? . . . In WILMETTE. . . . Time? . . . 9:30. . . . Requirements? . . . Just that certain gal. . . . Fine thing! . . . Almost everyone has got their date. . . . HAVE YOU YOURS? . . . If not, give the gals a break! . . . You can't miss this dance, this is the one and only real thing of the season. . . . How do you like your music: sweet, waltzy, or SOLID? . . . Any way, that's the way it'll be! . . . See you there?

Enough—
. . . Award of the year: to chief-heckler PASIUK, for undaunted faithfulness, a short one at the ARX DANCE BAR. . . . Things are in a ——— of a mess when I've got to read the Steam Shovel to find out what's doing in the frosh and soph rooms. . . . HASSKARL and (?) . . . and ELLY VON MUELLER, minute-taker. . . .

BOZ-ARTS.

SUGGESTED ADMENDMENTS

- ARTICLE VI—OFFICERS**
Section 2. The student officers of this organization shall be nominated in a primary election in which any student may have the privilege of submitting his name on the ballot. The candidates nominated in the primary election for the respective offices, shall be those two students receiving the most votes in the election. In case of close balloting (2 per cent of votes), three or four candidates may be nominated.
Section 3. The student officers of Armour Tech Student Association shall be elected by a poll of the entire student body from the candidates elected in the primary election.
Section 4. The election of the student officers shall be conducted by an election committee, composed of the student members of the Board of Control.
- ARTICLE VII—MEETINGS**
Meetings of the entire Armour Tech Student Association student body may be held at such intervals as the officers of the organization deem advisable. The Board of Control of the Armour Tech Student Association shall hold regular calendar meetings throughout the academic year. At these scheduled meetings, a representative of the Armour Tech News is requested to attend to report the proceedings of the Board of Control to the student body.

CONSTITUTION OF THE ARMOUR TECH STUDENT UNION BOARD

Control of the Student Union shall be delegated by the A.T.S.A. board of control to a Union Board composed of the following: one representative each from the Senior, Junior, Sophomore, and Freshman classes, Co-op. Group A, Co-op. Group B, Evening Students, graduate students, and one faculty member.
It shall be the function of the Union Board to determine the policies and regulations concerning the usage of all parts of the Union Building subject to the approval of the A.T.S.A. Board of Control.
The operation of the bookstore, check room, and the dining rooms shall be under the direct control of the Armour Institute of Technology administration.
The Senior, Junior, Sophomore and Freshman class members of the Union Board shall be elected by the A.T.S.A. Board from three men in each class placed in nomination by the respective class representative on the A.T.S.A. Board. The election of the U.B. member shall be held at the Oct. meeting of the A.T.S.A. Board.
The remaining student members of the Union Board shall be elected by the A.T.S.A. Board from three nominees selected by their respective groups. The faculty member of the Union Board shall be appointed by the administrative offices of Armour Institute of Technology.
The term of office of each member of the Union Board shall be one year, or until his successor has been appointed. The Senior representative shall act as the chairman of the Board.
The detailed administration of the policies of the Union Board shall be vested in a paid manager nominated by the Armour Institute of Technology Administration, and paid from the Union budget. He shall be a member, ex-officio, of the Union Board.
The number of student assistant managers and student employees required for the Union shall be determined by the Manager, with the approval of the Union Board.

Tobacco...opens Doors to Fields where People Live, Work & Achieve



Today there are about 1,000,000 cigar stores, drug stores, country and grocery stores where you can buy cigarettes in the United States. These retailers, and the jobbers who serve them, have built up a service of courtesy and convenience unmatched by any other industry catering to the American public's pleasure.

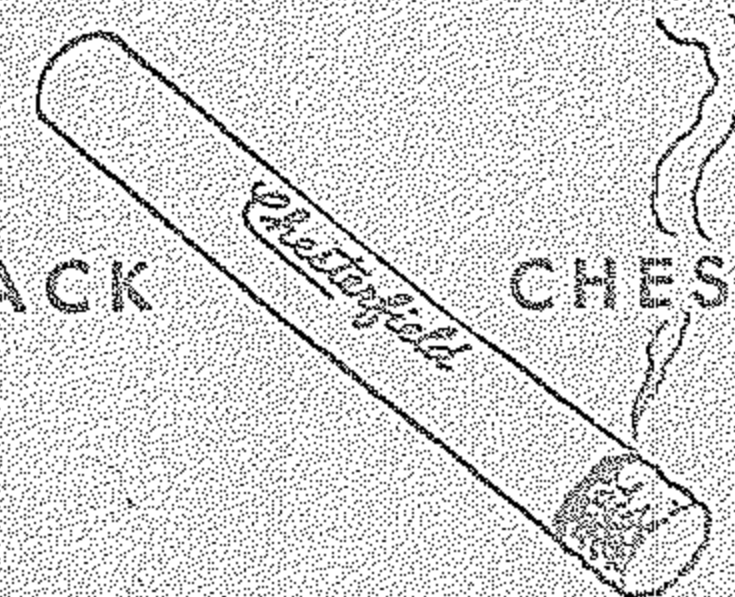
THERE ARE ANOTHER MILLION people who are engaged directly or indirectly in the transportation of cigarettes to every town, hamlet and crossroads.

IT IS ESTIMATED that there are 1,602,000 tobacco farmers raising tobacco in 20 out of the 48 states. Good tobacco is one of the hardest crops to raise and bring to market, requiring great skill and patience from seed-bed planting to harvesting and curing. The modern tobacco farmer has done well the job of constantly improving the quality of his product.

THE AVERAGE LENGTH of service of the 13,230 people working in the Chesterfield factories, storage houses, leaf-handling and redrying plants is over 10 years. This means that every step in the making of Chesterfields, regardless of how small, is handled by people who have had 10 years of experience and ability in knowing their jobs.

TRULY TOBACCO OPENS DOORS to fields where people live, work and achieve, and Chesterfield takes pride in its ever increasing part in this great industry that is devoted entirely to the pleasure of the American public.

To SMOKERS, Chesterfield Cigarettes have always said, and now repeat, that in no other cigarette made can you find the same degree of real mildness and good taste, or the same high quality of properly cured and aged tobaccos. Chesterfield Cigarettes are made with one purpose only...to give smokers everywhere the Milder, Better-Tasting Smoking Pleasure they want. You can't buy a better cigarette.



MAKE YOUR NEXT PACK CHESTERFIELD