Armour Tech News

Vol. IV. No. 13. Armour Institute of Technology, Chicago, Illinois Tuesday, January 14, 1930

MUSICAL PROGRAM THURSDAY

B. G. McLAUGHLIN DISTRIBUTES BIDS FOR JUNIOR DANCE

Leonard's Opera Club Orchestra to Play for Juniors

FRI., JANUARY 24

Bids for the Junior Informal dance which is to be held in the Crystal Ballroom of the Blackstone Hotel, January 24, are going fast according to B. G. McLaughlin, chairman of the Junior social committee. Harold Leonard's Opera Club Orchestra will entertain the 250 couples expected to attend.

Members of the social committees of all the classes are selling bids in addition to the following:

K. Langhammer	C. Robin
J. Bruni	I. Berger
F. S. Austin	D. Iverson
W. M. Miran	T. Woods
A. Reglein	F. B. Attwood
R. Timmermans	L. Billinggs
O. R. Steinert	E. Westenberg.

Foreign Students Give Dinner-Dance

Eugene Toopeekoff, M. E., '30, President of the Slavonic Club, a large society of foreign students, was in charge of a formal dinner-dance Christmas festival held on Saturday evening, December 21, at the Hotel Atlantic, at Clark and Van Buren Streets, and sponsored by the Slavonic Club and several other similar organizations. Over three hundred people attended.

Many nations were represented at the banquet, including Russian, Polish, Bulgarian, German, Swiss, Scandinavian and Czecho-Slovak students as well as many American guests.

Dr. Scherger supplied part of the program with a talk on "International Conciliation."

Vava Sokoloff, sister of Alexis Sokoloff, E. E., '32 entertained with Russian ballet dancing.

Christmas carols by the German students and music by the balaliaka orchestra of the Russian Students Society, of which Sokoloff is president, with dancing for all completed the evening entertainment.

Elecs Hear Talk On Stage Lighting

Last Friday, January 10, the Armour Branch of A. I. E. E. had for its speaker Mr. K. R. Ross, of the General Electric Company, who spoke on "Chicago Civic Opera Stage Lighting Control."

The Selsyn Thyratron system is used for the control of the lights. Selsyn is a famous control system which has been used for some time in the control of the Panama Canal locks and water level. Thyratron is a power supply system which produces a desired voltage by varying the phase differences of two electromotive force waves. The Chicago Civic Opera has 147 such control units and although the arrangement appears very complicated, it is a great time saving device and has other features, such as a small control room, automatic control and presetting control. A higher efficiency is possible with this control system than with the old type of resistance control, because the power which is used in the former is very small and is not directly connected in the power circuit. In the Opera it controls a load of 12,050 K.W.

The Physics Laboratory will close for the semester on January 25 according to an announcement by professor T. E. Doubt. Students who wish to have reports accepted for credit must hand them in not later than noon January 28.

Dean Monin Sends Message to Alumni, Faculty and Students Through News

Former Dean Expresses Thanks for Letters

WRITES FROM HOME AT ZURICH, SWITZERLAND

A most pleasant surprise was received when the editor found a letter in his mail box from Zurich, Switzerland which proved to be from our beloved, shall we say "Ex-Dean," Louis Celeste Monin, retired since May, 1927. We take especial pleasure in presenting the following enclosed letter to his many friends at Armour.

To the Alumni, Faculty and Students of the Armour Institute of Technology.

Gentlemen:

Deeply regretting my inability of answering letters, postcards, and communications of all kinds from my friends across the ocean, I beg you to accept through the columns of the Armour Tech News my sincere thanks for your kindness and my grateful acknowledgment of your loyal friendship.

The greetings which I receive from U. S. are the joys of my days and the treasures of my heart. To you all my thanks, my sincere wishes for your welfare, and the season's hearty greetings.

As always, Cordially,
Louis C. Monin

Chemical Societies Give Banquet

Flask and Beaker, and Phi Lambda Upsilon, honorary chemical fraternity, will hold a joint initiation banquet at the Union League Club, Wednesday evening, January 15.

Several members of the faculty are expected to attend as well as many of the alumni.

The following men will be formally initiated:

Flask & Beaker

R. H. Blom, '32.
W. Bigelow, '32.
J. Cavanaugh, '32.
O. C. Linnell, '32.
L. U. Melcarek, '31.
A. Mueller, '31.
G. J. Stockman, '32.

Phi Lambda Upsilon

F. B. Attwood, '31.
I. Drell, '31.
H. Z. Martin, '31.

Classes for Next Semester Posted

The program of classes for next semester is now in the case on the main floor. While a few minor changes may still be made, the program is now practically in its final form. Any conflicts of classes should be reported to the Deans' Office at once.

Aurora Alumni Elects Vice-Pres.

The Aurora-Armour Club held its annual election of officers on Dec. 21, at the home of its president, Mr. C. I. Carlson. It was originally planned to have a banquet, at the Turtle Rock Inn, located six miles south of Aurora, but due to the heavy snow storm making the roads all but impassible, the committee made the other arrangement.

The purpose of the club is to present engineering as a profession to young men and also to offer a means for the students and alumni, living in or near Aurora, to get together.

The officers elected at this meeting were, President, C. I. Carlson, '19; Vice President, A. F. Wilde, '31; Secretary and Treasurer, R. A. Winser, '08.

JEWELRY AWARDS FOR INTERCLASS ATHLETIC TEAMS

Re-Elect Old Officers at Meeting of A. T. A. A.

P. C. HUNTLY, PRESIDENT

At a recent meeting of the Armour Tech Athletic Association, election of officers and discussion of old and new business was executed. All old officers were re-elected. P. C. Huntly, president, G. S. Allison, treasurer and W. C. Krafft, secretary.

Student president W. K. Simpson appointed J. Zolod as school social chairman.

Much of the discussion was with reference to the presentation of awards to the various interclass athletic teams. Instead of awarding inter-class contestants with sweaters as was the custom in past years, the A. T. A. A. has decided to present jewelry charms, designed to be emblematic of the sport represented.

The number of men eligible for major awards on the inter-class baseball team was limited to ten and the manager. Awards to the basketball team was limited to five and the manager.

Awards to the victorious inter-class track team will be similar to other class charms. However, the number of awards and to whom they shall be presented is to be decided by Track Coach, A. A. Stagg, Jr.

In the future the Rifle Club is to receive the same consideration as minor sport teams.

A. I. Ch. E. to Hear W. Whitman To-Day

A meeting of the Armour Branch of the American Institute of Chemical Engineers will be held today at 1:10 in Room H. Mr. Walter G. Whitman of the Standard Oil Company of Indiana will present a talk on "Heat Transfer." Mr. Whitman has done much research and is the author of several papers on the subject. All Sophomore, Junior and Senior students in the chemical engineering department are invited to attend.

Student Injures Arm in Gym Basketball

S. A. Milevsky, E. E. '32, dislocated his elbow while playing basketball in the gymnasium, Monday afternoon, January 6. Mr. Krafft bound it in splints and sent Milevsky to Dr. McNamara's office at Seventy-fifth St. and Stony-Island Avenue for final treatment. He was back at school the next day.

Cage Squad Meets Augustana Thurs.

The Armour Tech cage squad will leave Wednesday night for the annual tilt with Augustana at Rockford. Probably ten men including the manager will make the trip with coach Krafft. This yearly scrap will take place on Thursday night and the boys will be back in school Friday. A return game will be played at Armour later in the season.

In both of last seasons contests the Tech quintet lost rather heavily to the Augustana team. The chances of bringing victory back to Chicago looks good for Armour basketshooters have lately revealed some exceptional talent in the local contests.

Publications Move to New Quarters

The offices of the Armour Tech News have been moved from the third floor, second entrance of Chapin Hall to the new location of the first floor, third entrance of the same building. The change was accomplished during the Christmas holidays so that the regular schedule of publication would not be disturbed. The offices of the Armour Engineer and the Cycle were also moved and are now on the same floor in the same entrance, adjacent to the offices of the News. This places all the publications in a position convenient to one another.

The space on the third floor formerly occupied by the News will be remodeled into a class room, to be ready for use by the begining of the second semester. The office of the Alumni Secretary, and of the Engineer on the third floor of Chapin Hall will be occupied as offices for the English Department.

The present English department offices on the third floor of the Main building will be remodeled into a ladies' rest room. The Campus club rooms on the second floor of Chapin Hall are being remodeled into class rooms, while the rooms on the fourth floor are being made into a drafting room, similar to the ones already on that floor. The Campus club will move to the second floor, third entrance from the present location in the second entrance part of the building.

Dean Palmer Speaks in DeKalb Tonight

Dean Palmer will speak this evening before the Parent-Teachers Association of De Kalb, Illinois, on engineering education.

CALENDAR

Tuesday, Jan. 14

A. I. C. E. Meets 1:10
Room H

Thursday, Jan. 16

Basketball, Armour vs. Augustana at Rockford
Interfraternity Basketball
Rho Det Rho vs. Phi Pi Phi
Sigma Kappa Delta vs. Triangle
Music Clubs Concert

Friday, Jan. 17

F. P. E. Meets 9:30
Room H

Monday, Jan. 20

Interfraternity Basketball
Phi Kappa Sigma vs. Theta Xi
Delta Tau Deta vs. Kappa Delta Tau

GLEE CLUB AND ORCHESTRA TO OFFER TWO HOUR PROGRAM AT DELAYED WINTER CONCERT

Dr. Protheroe Directs Glee Club; Aste to Hold Baton Over Orchestra

PROF. LEIGH OPENS ASSEMBLY

The weather man can make the musical clubs postpone their concert, but he can't keep them from holding it. The annual Christmas concert, postponed exactly four weeks, will be held Thursday morning, January 16, 1930, at 10:30 o'clock in Assembly Hall. All classes will be excused for the event, which because of the change of time has been rechristened the "Winter Concert." New numbers have been substituted by the Orchestra and Glee Club for those dealing with the subject of Christmas, but the rest of the program remains the same.

The Orchestra and the Glee Club will present a two hour program, with the Orchestra appearing first, followed by the Glee Club. Several special numbers will then be given, after which the Glee Club will again appear. The orchestra will follow with three more numbers, bringing the concert to a close.

Frank Aste, '30, will direct the orchestra, while Doctor Daniel Protheroe will direct the Glee Club. It is rumored that this will be the last appearance of the little symphony organization of fifty pieces, because of plans to reform the organization into a complete band and a concert orchestra. Definite statements have not as yet been issued. A piano solo by Emmett Higgins, '30, a violin solo by Frank LeGrady, Jr. '32, and a novelty number by a brass quintet make up the special numbers given by orchestra members. George Burhop, baritone soloist, will sing a few numbers.

Professor C. W. Leigh, faculty advisor to the musical clubs, will open the assembly with a few words. A complete program is given elsewhere in this issue. It is recommended that all save this program as this is the only program to be printed.

FRED STRAUCH, TANK STAR, HURT IN AUTO ACCIDENT

Holiday Trip Through South Ends in Tragedy

BROTHER KILLED

While enroute to Florida to spend a holiday vacation, Fred C. Strauch, Senior student in the department of Architecture, and captain of the swimming team, was seriously injured in a freak automobile accident, and his brother was killed.

The accident occurred several miles outside of Birmingham, Alabama. Strauch with his brother were hitch hiking to Florida, according to reports. The automobile in which they were riding hit an obstruction in the roadway while attempting to pass a log wagon. Because of their precarious position on the rear fenders the brothers were thrown into the air. Fred upon descending was fortunate to fall on his side, on the ground, his brother, however, fell on the log wagon and before he could be reached he fell to the roadway and was run over by the wheels of the conveyor.

Several hours later the boys arrived at a hospital in Birmingham. It was found that Fred had suffered internal injuries in his right side while his brother was suffering with a fractured skull and two broken legs. Three hours later Fred's brother died as a result of the injuries.

Strauch is one of the mainstays of the Varsity Swimming team. He has been a consistent performer in the diving events and in the relays during the past few years. His injuries will prevent him from swimming for several months, but he will probably return to school this week.

Social Chairman to List School Events

John J. Zolad, Ch. E. '30, has been appointed school social chairman. In this capacity he will attempt to prevent conflictions in dates of activities about school, and keep a complete and official calendar which will be printed in the NEWS each week.

All managers of teams should submit their schedules to Zolad if they have not already been given to Dean Palmer. All dates for school organization meetings, smokers, initiations, etc. should also be submitted to him in order that the dates may be recorded and checked against other school activities for conflicts.

Professor Walter J. Bentley's aunt, Mrs. Marie E. Dorgan passed away on January 8. The funeral was from St. Gertrude Church, yesterday, and the interment at Coharey Cemetery.

Engineer to Be Out Next Week

The Armour Engineer will be distributed early next week, according to the editor, N. D. Buehling. This issue of the quarterly is unique in that all of the articles contained are student papers.

David T. Smith writes on "The Fire Hazard of Film" and Vernon A. Sturm on "The Roasting of Metalurgical Ores of Silver." Other articles are, "Remote Control by Radio" by Walter Filmer, "The Electrodeposition of Rubber," by Julius Lichtenstein, and a paper on the new Navy zeppelins ZRS-4 and 5 by F. H. Bigelow.

The cover of the magazine will carry an artist's conception of the ZRS-4 flying over the capitol at Washington.

New Aero-Dynamics Course Organized

A continuation of the present aero-dynamics course with more mathematical detail than has been possible with the one semester course is planned by Professor Wells to begin next semester. The subject will be handled from the standpoint of rigid mechanics and fluid mechanics.

The junior class in the present aero-dynamics course will continue in the new one. The course will also be offered to seniors who have had aero-dynamics if the programs are such as to permit. The seniors will be in a different section.

Fire Protects to Hear Field Man

The Fire Protection Engineering Society will hold a meeting on Friday, January 17, in Room H at 9:30. The speaker is to be Mr. E. J. Underwood, field man with the Continental Insurance Company and his topic will be, "The Work of a Special Agent."

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A Thought for New Years

Now that the Christmas holidays are over, and we have started on a new year, some of us have made a lot of resolutions concerning this thing and that. However, the custom of making New Year's resolutions seems to be slowly dying in popularity.

Of course, such resolutions are in themselves more or less useless because they are seldom upheld beyond a period of a week or two, but the deliberation behind their making is valuable. The man that swears to do his Calculus every night "from now on," will be trotting off to the show on week nights in another fortnight. That is to be expected. However, when he stopped to make this lightly honored resolution, he took mental inventory of his failings and his needs. He stopped to review his present habits of life, to look ahead into the future. He decided which way he was headed, which way he wished to travel, and determined to make such corrections in his paths as seemed most advisable in order to reach the end which he had in view.

If we all would spend a little time to stop and look ahead, to chart our course, we could gain a great deal. Less of this aimless wandering through college would result. Our curriculum is proscribed in each course to a greater or less extent, but what we do with our extra time is left to each individual. Some seem to believe that they obtain the most from their spare time by spending it in a "movie," or rather "talkie;" some are prone to spend all their time buried in their books; others seek athletics for diversion, or a hundred different things. But anyone could take a few moments once in a while to do some constructive thinking about his own problems. The time thus spent might help him, and certainly it would do no harm.

* * *

DEAN MONIN

The appearance of a message in this issue from our former Dean, Doctor Louis C. Monin, brings word from a man with whom only this year's senior class and faculty are personally acquainted. We are sorry indeed that the under class men of the present have never had an opportunity to know him. In the three years since his departure, many changes have taken place, but the memory of his wonderful personality, of his kindly philosophy is still in the hearts and minds of those who knew him. Very few men are ever regarded with such universal regard as Dean Monin was held by his student body. We hope that we will receive other communications from him in the future.

* * *

"That is accounted probable which has better arguments producible for it than can be brought against it."
—Robert South.

:: "THE SLIPSTICK" ::

Cleave to "The Slipstick"; let
the Slapstick fly where it may.

IMPORTANT

They tell me that the cuttlefish
Is not a very subtle fish.
And I don't doubt it.
And I have heard it said, no carp
Has ever learned to play the harp.
But what about it?
B. S.

* * *

It sure was a relief to get back to school again where one can catch up on his sleep. This opinion was voiced by everyone we met here, January 6. No doubt you all had an enjoyable vacation and partook heartily of the Christmas goose or pork chops. We did.

* * *

Prof: "What is the most outstanding contribution that chemistry has given to the world?"
Chorus: "Blondes."
Walt.

* * *

FAMOUS QUOTATIONS

You're not so tough, big boy—you just forgot to shave.
Snow again sonny. They didn't get the drift.
Never mistake asthma for passion.

* * *

"Your hair needs cutting badly, sir," said the barber.
"No, it doesn't," retorted the student. "It needs to be cut nicely. You cut it badly last time." T. M.

* * *

There are more spongers in this country than there are sponges.

* * *

WHAT DOES A DRAFTSMAN DO THEN?

Do you know that there is a fellow in our "calc" class who thinks a draftsman is a fellow who opens the windows?
J. S. McC.

* * *

Perambulating Pete: "Wot's dat horseshoe nail in yer suspenders for?"
Hobo Harry: "Dat's de combination. Ef yer takes dat out, I fall to pieces."

* * *

She looked like a fallen angel,—one that had fallen on its face.
Plato.

* * *

Prof. (in Biology): "What animal makes the nearest approach to man?"
Student: "The mosquito." R. F. S.

* * *

The past vacation afforded the conductor of this column a new experience, one that will be remembered for some time, even longer perhaps. Hunting, that's the key word to the new experience. Did you ever hunt? Some sport! I never will forget the first shot I fired. I pulled the trigger, then came the reaction. That gun (cannon, I think it was) came back in a hurry and liked to have knocked me into the next county. The net result of the day, for me at least, was a black and blue shoulder and wet feet.

* * *

ATTENTION! YOU EXPERTS ON PHYSICS

What happens when an irresistible college boy meets an immovable cold?

* * *

CAUTIOUS

Little Boy: "Conductor, will you please give me a transfer?"
Conductor: "Certainly. Where to, my little man?"
Little Boy: "Oh, I can't tell you that. It's a surprise party."

* * *

Customer: "I'd like twenty-five cents worth of Zinc Ointment."
Drug Clerk: "Yes, Sir. On white or rye bread?"

* * *

EXPERIENCED HELP WANTED

Detective: "You're wanted for a safe-cracking job."
Prisoner: "All right, I'll take the position."

* * *

THE POSTMAN IS THE DEAN

We don't need Harvard
We don't need Yale
We get our education
Through the mail.
Rah, Rah, Correspondence. Plato.

* * *

One way to "put on the dog" is to refer to the office clerk as "my secretary." R. S. F.

* * *

You may be incense to your mother, but you're just a punk to me. Chuck.

* * *

SKEPTIC

"But, Tommy," said his mother, "Didn't your conscience tell you that you were doing wrong?"
"Yes," replied Tommy, "But I don't believe everything I hear." Chester.

* * *

The average girl who receives a penny for her thoughts nowadays is getting darn good money.

* * *

"What is a slide rule?"
"Never slide with your new pants on."

* * *

Then you know that studious boy who, just from force of habit, took notes on the commencement lecture.
J. D. N.

* * *

The snow that came on the last day of school in 1929 offered some relief. The concert was postponed.
K. K.

Professor Otto Louis Robinson

(*A Biographical Sketch*)

BY P. EMIL SEIDELMAN '31

Otto Louis Robinson, Associate Professor of Fire Protection Engineering, was born at New Albany, Indiana, on January 11, 1893. He received his grade and high school education in that city. He entered Purdue in the fall of 1912, and received his B. S. degree in Mechanical Engineering in June, 1916.

After graduation Prof. Robinson joined the staff of Underwriters' Laboratories as an Assistant Engineer in the Hydraulic Department.

Six months later, in the spring of 1917, he joined the Army as a Second Lieutenant in the Engineers Corps. He was then ordered to France and assigned to the Chemical Warfare Service with the rank of First Lieutenant. An interesting incident in Prof. Robinson's service abroad was an assignment to the British Army for three months.

In the early part of 1919 he returned to this country and again joined the staff of Underwriters' Laboratories.

Prof. Robinson began teaching Armour students at the opening of school in 1920. He was promoted to an Assistant Professor in 1922, and to his present rank of Associate Professor in 1925. He now devotes about one half of his time to the instruction of the F. P. E.'s, the other half being spent in the investigation and testing of new devices of a hydraulic nature in the fire protection line, such as foam generators, dry pipe valves, signal appliances, etc. At the present time he is concentrating his efforts on the preparation of an article covering the history, development, and present wide usage of foam extinguishing apparatus.

On June 24, 1920, he married Miss Evelyn Meyer of Louisville, Ky. They now have three children, one girl and two boys.

Professor Robinson is a member of the American Society of Mechanical Engineers, and the Business Mens Art Club. He is also a member of Acacia Fraternity and an honorary member of Salamander.

Fire Protection Engineering holds Prof. Robinson's attention and it is to this subject that he devotes the greater part of his time. However there is just a little time left and this he gladly gives to his avocation, which is sketching, especially landscapes and other outdoor subjects.

Columbia University houses some bright freshmen.

On registration day one wrote after the notation, "Give full name," the remarkable answer: "Same name whether full or sober." In the space for names of parents, another brilliant high school graduate wrote "Ma and Pa."

Inquiring Reporter

How did you spend your Christmas vacation?

L. W. Krizan, '33, Ch.E.—Mostly catching up with back homework—doing my semester theme for English. Also I put in some time working in a drug store.

T. C. Foin, '31, Ch.E.—Mostly catching up on back work and sleep.

Wirth Gustafson, '33, M.E.—Eat, sleep, and work. I had plenty to do. An English theme was the outstanding factor. However, time for basketball games and skating should always be found in a vacation and such was my case.

James Thomson, '33, Ch.E.—How did I spend it?—Liberally!

Walter Hollman, '33, Ch.E.—I spent the greater part of my time making up lost sleep. The remainder was partly spent doing homework and other amusing pastimes.

Stan Lind, '32, Ch.E.—Sleeping and Eating!

The lowly has come into its own in the form of a scholarship at the University of Idaho. Students of the agricultural department of that university will compete with each other for a cow, instead of pecuniary prizes. The proceeds from the cow will enable the winner to remain in school for at least another term.

Conscience is a coward, and those faults it has not strength to prevent, it seldom has justice enough to accuse.—Goldsmith.

Ice cream was first made in Italy.

For to give is the business of the rich.—Goethe.

A suppressed resolve will betray itself in the eyes.—George Eliot.

REVIEWS

Tour du Monde

Goodman Theater

The current presentation at the Goodman is, like the majority of their productions, something a little unusual. It is a revival of a dramatized version of Jules Verne's book, "Around the World in Eighty Days," but to make it palatable to the modern playgoer, it has been translated freely, and adapted to a more modern viewpoint.

"Tour du Monde" is, perhaps, one of the cleverest bits of production seen in Chicago. The rather gigantic scope of the story is no draw-back and the full facilities of the Goodman stage make it a certain success. The acting is good in general, altho the heroine seems vapid at times, and the accent of Passepartout is not to be commended. The action of the play is so rapid and attractive that one soon forgets these minor points.

The scenery in this play is in itself a novel and somewhat unique presentation. The sky-dome of the Goodman serves admirably to create the illusion of travelling; but the greater thrill lies in the animation of the drops and stage props. It is most startling to see a tree slide upon the stage and place itself; the curtain remains up between the scenes. The entire scene shifting is done in view of the audience, and it does amuse one to watch it glide about and demurely seek its place; the greatest laughter invariably comes at the conclusion of the Indian attack when the Indians, having conveniently fallen in one spot, slide off the stage on a hitherto invisible canvas runner.

The story of the play is both interesting and amusing, being light in nature, rapid in action, and vast in its scope, having the world as its background. The characters are exaggerated in detail, but this tends to make them more likeable. Whether Verne would approve of the them is hard to say, but the applause tendered shows that they have at least pleased their audience, and that is a greater criterion.

For an amusing entertainment, replete with humor and action, no better place could be found than the Goodman during this run. Good enunciation, and a clever production tend to make this play one of their season's best presentations. A. B. A.

SIX YEARS IN THE MALAY JUNGLE

CARVETH WELLS

Garden City Publishing Co., 1924

Surveying is an art familiar to most men at Armour, and a most unusual phase of it is presented in "Six Years in the Malay Jungle." Written by an English railway engineer working under conditions that one can hardly vizualize, the book proves to be most entertaining; it is on a familiar subject, but rather unusual circumstances.

In brief, the book depicts the survey of a Malayan railway in the jungle, and later, the construction of a state road under the adverse conditions of the recent war, which had its effect on the Malay peninsula. While those men at school who have participated in survey work may have thought that they were working under adverse conditions, they will readily admit that compared to working amidst wasps, snakes, lizards, sundry tigers and other handicaps, their work was pleasure.

Wells does not give a detailed schedule of his operations, but rather writes in a way intelligible to the non-technical reading public, and therefore makes the most of his situations. From the very start of the book, where he runs into a rather embarrassing situation in his port of entry, Penang, to finding that tigers have eaten his watch dog and merely left a few remains to commemorate the event, the tale intrigues one by its uniqueness. Wells is a keen student of natural phenomena, and presents most of the peculiar animals and growths that he encounters.

It seems that the man is stretching the truth a bit when he speaks of deer that he shot and then put in his pocket, and in the foreword he obligingly confesses that a member of an audience he was addressing called him the successor of Ananias. However, he has backed up his astounding statements with a report from the Malay Free State government bureau, and thus saves his reputation.

In summing up the book, its greatest appeal is undoubtedly this narration of the bizarre inhabitants of the jungle; but as technical men we can get a further appreciation for the work in which we are in training, and realize the ideal of the engineer: that despite natural obstacles, they will win out.

Winter Concert Program

ORCHESTRA

1. "Aida March" (Opening Number) ..... G. Verdi
2. "Melody in F" ..... A. Rubenstein

GLEE CLUB

1. "Prayer of Thanksgiving" ..... Dutch Folk Song
2. "Eldorado" ..... Protheroe
3. "Winter Song" ..... Hovey-Ballard

SPECIAL NUMBERS

1. "Liebstraum" ..... Franz Liszt
   Piano Solo By Emmett Higgins
2. "Rose in the Bud" ..... Dorothy Foster
   Two Irish Love Songs ..... Lohr
   "Ah! Sweet Mystery of Life" ..... V. Herbert
   Baritone Solos by George Burhop
3. "Smitzel's Band" .....
   By the Novelty Quintet
4. "Meditation" from "Thais" ..... Massenet
   Violin Solo by Frank LeGrady, Jr.

GLEE CLUB

1. "The Blind Plowman" ..... Lucas and Clark
2. "Kashmiri Song" ..... Hope, Woodforde, Finden
3. "Where E're Ye Walk" from (Semele) ..... Handel
4. "Song of the Waves" ..... Jones, Protheroe

ORCHESTRA

1. "One Alone" (from the "Desert Song") ..... Sigmund Romberg
2. "The Golden Sceptre" (Overture) ..... R. Schlepegrell
3. "Armour Fight Song" .....

Keep This Copy of the Program for Use at

The Letter Box

SCIENCE AND RELIGION

Modern thought has entered into conflict with religion not only in certain directions but in the whole of its tendencies and efforts. This conflict is not due to beliefs and whims of certain individuals but by the very nature of the changes in the world of ideas and changes in the domain of life.

We students of science, by doing a little thinking, can easily see the collision between modern thought and religion thru the realm of our knowledge.

Modern science has attacked and destroyed the naive views of traditional religion that the earth is the static center of an encircling universe. Such a religion regarded the creation of the world as the work of a reason superior to the world—a reason which holds and links nature together. The above view of nature began to fall since the time of Copernicus and has been falling ever since. World beyond world was discovered, thus reducing the earth to a mere speck in the universe. It has reduced that distinction between heaven and earth—a distinction which signified, and still does to a great number of us, religious conceptions and feelings. Are we students going to shut our eyes from the truth and be led to the belief that the earth which is only a satellite among an innumerable number of fixed stars decide concerning the destiny of the ALL? How are we to ascend to heaven when there is no heaven in the old-fashioned sense? No above or below in this boundless space?

How can the modern leader of religion explain to us the biological interpretation of human and mental greatness which contradicts directly the religious interpretation? The ethico-religious interpretation measured the values of all activities and experiences according to their relationship with God and with the Kingdom of God which was above the world; the biological explanation estimates qualities according to their use and their preservation in the struggle for existence. In the religious mode of thought, a pure inwardness should construct itself, and the gaining of the whole world could not compensate for the loss of the soul; in the scientific mode all tendencies and efforts are directed towards the external and the "soul" has become an empty word.

In all this, the opposition to religion is evident and both modes can not possibly exist together — for nature follows its course with brazen laws and has no regard whatever for what is termed good or evil by man. By following its course it has brought forth an immense fullness of results with a more precise insight, thus declaring religion as scientifically impossible. Is religion able to withstand such a mighty current?

MILTON S. SACHS, '30.

HARVARD STUDENT FIRST TO EARN WAY THROUGH COLLEGE

The first student in the United States to attempt to earn his way through college was Zachariah Bridgen, at Harvard, according to the Wisconsin Journal of Education, published by the state teachers' association. It obtained its information from the U. S. department of the interior.

Bridgen entered Harvard in 1657 at the age of 14 and was graduated at 18. The steward's books reveal that charges against him for college bills included "commones and Sizinges" (board together with food and drink ordered from the battery), "tuition," "study rente and beed" (room and bed), fyre and candell" (fire and candles), "wood, etc.," and a charge for "bringing corn from Charlestown."

Credit was given him for "silver," "sugar," "wheat," "malte," "Indian corn," "hooge" and a "bush of part snapes." Dec. 31, 1654, there was "given him by ringing the bell and waytinge—1 pound, 2 shilling and 6 pennigs,"—the first record of an American student earning a portion of his expenses in college by ringing the college bell, and by waiting on table in the commons.

As a waiter he received 12s.6d. per quarter for three successive quarters, after which he was paid "on quarter for schollership 18s.9d," and credited "by his wages 50 shillings and a schollership three pounds 15 shillings. The total cost of a college education in 1653 ranged from $100 to $200 paid in silver and groceries.

Alumnus Writes for American Architect

"An Easy Way to Specify Lumber" is the title of an article published in the January number of the American Architect, one of the leading architectural magazines, by Dudley F. Holtman, '15. Mr. Holtman, who until recently was construction enginer of the National Committee on Wood Utilization of the United States Department of Commerce, has had a leading part in the work of standardizing lumber specifications in the United States.

Northwestern University has a new record enrollment this year. Its enrollment totals more than 11,000 persons.

The Goodman Theater

Chicago, though many of its inhabitants fail to realize it, has a most precious possession in the Goodman Theater of the Art Institute of Chicago. In this unusual theater, built nearly entirely underground in Grant Park, some of the finest of plays have been produced.

In general, the Goodman does not stage that which would appeal to the average producer. Their plays are not those which involve clever repartee, scandalizing scenes, nor superdramatic scenes, as one is prone to find in the larger theaters. Instead, they show plays that tend to make for mental recreation; nearly all of their productions are fantastic, ingenious, and above all, most interesting.

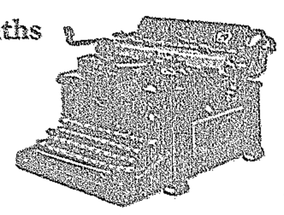
One goes to the Goodman expecting to enjoy the evening; no matter how serious the subject, the plays never permit one's interest to lag; and one leaves the Goodman with plenty of material for future rumination. Most of the plays have an underlying idea which is gradually revealed, and is the basis on which the play is written. That is, while the plays are complete in themselves, and the external actions are taken to a conclusion, the real motif is only expressed, and you are left to analyze that as you see fit.

Yet besides these plays which may seem distasteful to some, many of the older, more noted ones are revived, but always with revision as to make the most of the complete facilities of the stage, which in itself is a masterful piece of engineering, both in mechanical means and in illumination.

Last year a group of students from the school visited the Goodman to see "Six Characters in Search of an Author." Any man who saw that production will verify the previous statements concerning the unusualness of some of the presentations. The Goodman welcomes parties of students as well as the individual, and a notice of their latest production, "Tours du Monde," is posted on the bulletin board. This play is a dramatization of Jules Verne's "Around the World in Eighty Days," and while the play itself dates back into the last century, the Goodman revival, with the use of their special stage, promises a fascinating presentation.

Development of Chemistry Predicted to Abolish Wars

While attending the National Science Congress, as a delegate, Professor E. Hernst, German chemist and Nobel prize winner, said that the development of chemistry would put an end to war within the next 20 years. He believes that war will perish through its own fierceness, that weapons of such bestial horror will be developed that one party will shy from attacking the other. Nobel also foresaw that peace could not be achieved by scraps of paper, and he dreamed of discharging a high explosive of such terrible effect that whole armies would be destroyed in seconds, thus making war impossible.



World's Largest Artificial Harbor Nears Compleieon at Los Angeles

Nearly Two Million Tons of Rock Blasted for Construction of Breakwaters

The greatest artificial harbor in the world will be the result of the completion of the third breakwater of the Los Angeles-Long Beach development. The second breakwater has just been completed, and the third is soon to be projected. The city of Long Beach spent $2,700,000 on moles, bulkheads, and a long breakwater extending 8,000 feet seaward from the western part of the city.

San Pedro, part of the corporate city of Los Angeles, several years ago built 2.11 miles of breakwater to shield its important shipping, now second in total volume among United States ports. The third and last link, which will consist of approximately two miles between and in unification with the Long Beach project, will form a quiet water harbor having a surface area of more than ten square miles.

Mining of Rock a Problem

From an engineering standpoint, the Long Beach project consists of two major works. First is the actual construction of the moles, bulkheads, and breakwater, and second the quarry plant, together with the transportation of the rock supply for the harbor protective units.

Long Beach has long wanted to have adequate harbor facilities, and the contract was finally awarded to the Hauser Construction Company in 1925. Since then there have been built nearly three miles of breakwater, with 1,774,000 tons of rock having been mined, transported, and placed in position.

Six separate structures comprise the outer harbor. The breakwater 7,100 feet long runs due south from the west bank of the flood control channel at Pico street 4,200 feet into the sea, then goes at an angle 2,900 feet southward toward the end of the San Pedro breakwater. The first 4,000 feet will ultimately form part of the rejected government breakwater. The east mole runs south 1,900 feet. At its southerly tip is the east bulkhead, 425 feet long and running east and west to form a protection to the bathing beach, between the breakwater and the mole. The west mole points south into the sea 2,700 feet just west of the inner harbor entrance. Two rock structures at the end of this structure form a "T", the west bulkhead extending 700 feet toward a similar structure from the Los Angeles side of the harbor. The entrance basin bulkhead runs easterly 900 feet to prevent the entrance harbor from silting up.

Unique Methods Used

The construction of the breakwater was completed in record time because of the new methods used. Some of the largest quarry blasts ever made were touched off at the Hauser Quarries at Riverside, about 80 miles from Long Beach Harbor. The structure consists of a core of quarry-run rock armored on each side with large rock. Rock dumping averaged 3,000 tons or more each eight hours. The biggest eight hour placement was 4,200 tons, which was said by the government inspecting officials to be the record for speed for this type of work.

Some of the rock was placed in cars that unloaded by pneumatic pressure, but with the flat-cars, an unusual method was employed. A large steam shovel was set on the first flat-car, the whole train was run out on a trestle, and the steam shovel traveled the length of the train, pushing the rock off the cars as it went. Some of the rocks were so large that they were lifted and dropped off.

After experimentation, it was decided that the rock in the immediate vicinity of the projected development was so soft as to be unusable for harbor work. The blasting shattered this rock so that it was too small.

After a systematic search, a hill in the San Bernardino mountains was found just west of the city of Riverside, about 80 miles from Los Angeles. This hill was of sound blue granite, and was 300 feet high, a mile long, and 1,700 feet wide. This mountain has been developed into the largest "big rock" quarry in the United States. The camp consisted of 150 men with houses commissary, and sanitation. Several miles of railroad track were laid, a machine shop and power plant built and equipped, a water supply provided, and adequate facilities for storage of large quantities of explosives and fuel were prepared. The entire mountain contains approximately 15,000,000 tons of usable granite rock.

What is said to be the largest quarry blast ever detonated in western America dislodged 1,000,000 tons of rock at one time. Four hundred and fifteen thousand pounds of 20 per cent dynamite were used in this blast. Several months were spent in careful preparation. Six "coyote holes" were driven distances of from 100 to 140 feet into the solid rock, and crosscuts were bored to join them. Both drilling and blasting were used to cut through these small holes. So well-calculated were the blasts that comparatively small amounts of the rock came out over or under the required weights—five tons to fifteen tons.

FRATERNITY NOTES

SIGMA KAPPA DELTA

The Sigma Kaps recently pledged Robert Krause, M.E. '31.

TECH VARSITY TAKES THREE

WHIP WHEATON IN FIRST TILT OF YEAR, 21-15

Take Lead in Second Half Over Six-Foot Opponents

SIMPSON HIGH MAN

After a twelve day rest between games Coach W. C. Krafft's Black and Gold team won from Wheaton College by a 21-15 score last Wednesday at the Armory. The Armour rooting section numbered about ten men, while Wheaton had twelve loyal supporters.

Wheaton presented a formidable team of six footers, or better. However, a good back-board play executed by Rutkowski, kept the invaders from more than a lone follow-up basket. The game was largely defensive, for Wheaton scored only three field goals while the Tech team collected six.

Wheaton drew first blood on a foul toss, but Simpson's basket and free throw soon gave Armour the lead. Then the visitors pulled slowly ahead, until Ott's pretty under-the-basket shot tied the score at 9-9 at the half.

The second half was another story. Armour took the play right away from Wheaton, scoring 8 points before a hostile point was made, to lead by 17-9. Simpson's third and fourth baskets and Miran's first made up this lead. Tech then began to play a defensive game, waiting for breaks. Wheaton scored its third field goal and four free throws. After this Simpson, Robin and Rowley added four free throws to Armour's total.

Simpson was high scorer with four baskets and three free throws. Tillman led Wheaton with five points.

BOX SCORE

Wheaton

	B	F.T.	P
De Young, r. f.	0	3	2
Conley, r. f.	0	0	3
Tillman, l. f.	1	3	0
J. McGill, c.	1	1	4
L. McGill, r. g.	1	1	2
Orvis, l. g.	0	1	3
Cam, l. g.	0	0	1
	3	9	15

Armour

	B	F.T.	P
Robin, r. f., c.	0	2	2
Ott, r. f.	1	1	4
Bruni, r. f.	0	0	0
Simpson, l. f.	4	3	0
Rossing, c.	0	0	2
Miran, r. g.	1	1	4
Rowley, r. g.	0	2	1
Rutkowski, l. g.	0	0	3
	6	9	16

Prof. Freeman to Give W.S.E. Talks

Professor E. H. Freeman, head of the Department of Electrical Engineering, will give a course of ten lectures for practicing engineers on Engineering Economics in the rooms of the Western Society of Engineers, Room 1200, Engineering Building.

The first meeting will be held on January 21, from 7 to 9 p. m. and thereafter on every Tuesday evening. The fee for the lectures is to be $10.00.

The course is taught in conjunction with the Western Society of Engineers and the Chicago chapter of the American Institute of Electrical Engineers.

This course covers those fundamental features that are necessary in applying economic principles to engineering questions.

The necessary theory is developed and is applied to practical problems in various fields of engineering. Analysis will be made of the relation of first costs, depreciation, interest, taxes, maintenance and other factors in the study of an engineering project. The class work will be supplemented by lectures on actual problems given by practicing engineers.

At Birmingham-Southern College recently the freshman officers—president, vice-president, secretary, and treasurer—were all co-eds.

Will this ever happen at A. I. T.?

N. U. Makes Third Victory for Team

Northwestern of McKinlock lost a close game to Tech Saturday afternoon at the formers home floor. The score was 24-22 and marks the third straight win for the black and yellow. As usual there were very few Tech rooters, but the ten who did appear deserve credit.

The game nearly became a calamity when Armour let an eleven point lead dwindle to one solitary point late in the second half.

The first 17 minutes of the first half were hard fought and close. The last three minutes were different, for three quick baskets by Rossing and Robin gave Tech a 16-9 lead at the half.

The second half started the same way the first ended. Armour worked the score to 22-11 with ten minutes to go. Then with both Miran and Rutkowski removed on four fouls Armour's defense weakened and seven minutes later the count stood 22-21. With about 2½ minutes left Rowley's follow shot gave Tech a three point lead, which they held until a Northwestern free throw went thru just before the final gun.

Tech Swimmers Defeat Englewood "Y", 32-25

Tech swimmers handed the Englewood Y. M. C. A. a decisive beating 32-25 at the "Y" tank on December 19, 1929.

This was the second meet of the year and the first victory for Tech. In the last meet Armour was defeated 30-23.

Armour took first places in four events while "Y" copped two. Strauch, Trognitz, Knox and Weston were the leading scorers of the team.

Summary

40-yd.—free style: first, Knox, A.; second, Nicholson, Y.; third, Karkaut, Y.; time 0:21.2.

40-yd.—breast stroke: first, Trognitz, A.; second, Cavanaugh, A.; third, Tibbles, Y.; time 0:27.0.

100-yd.—free style: first, Holmes, Y.; second, Knox, A.; third, Davison, A.; time 1:03.2.

Fancy Diving: first, Strauch, A.; second, Carlson, Y.; third, Matthews, Y.

60-yd.—back stroke: first, Weston, A.; second, Holmes, Y.; third, Trognitz, A.

Relay Race: first, Y. M. C. A. team (Holmes, Tibbles, Nicholson, Doerr); second, Armour team (Knox, Giovan, Davison, Cavanaugh.)

Rifle Team Postpones N. Y. Exchange Meet

The Rifle Team's scheduled match with the New York Stock Exchange for this week has been indefinitely postponed because the Armory range is closed.

A meet with the University of Missouri is to be held the first of March.

George Heller, manager of the squad is trying to promote a match with Culver Military Academy.

At Salem they've gotten interested in finding an "Ideal Man" (we hope they find him!), and have interviewed four girls and published their ideas of what he should be.

One says that in looks he must be somewhere between John Gilbert and Lon Chaney, and must not wear spotted neckties. Another says he must be a college graduate (Carolina preferred), and must be an athlete and an insurance agent. The third girl has already picked hers, so she's prejudiced. He's a good-natured blonde, and the young lady merely says he "has everything every other girl wants her ideal man to have." The last girls seems to be desperately in love. She's even moved to compose a sonnet about him. He has wavy golden hair, lots of money, a raccoon coat, spats, a reckless past, and loves his likker!

Oh, well!

We read in the Lynchburg College "Critograph" that freshmen at Union College who do not buy their caps on time are given a close haircut as a penalty for their delinquency.

It doesn't say what they do if they don't wear them after they buy them.

ARMOUR CAGEMEN WIN OVER NORMAL BY 28-23 COUNT

Overtime Period Played to Decide Close Game

TECH ROOTERS ABSENT

After dropping the first real game of the season to "Y" College, Tech basketball team came through to win an overtime victory over Chicago Normal by a 28-23 score. The game was postponed from Thursday to the following day on account of the weather.

Not a single Armour fan turned out to watch this closely fought battle. Three baskets by Robin and one each by Ott and Rossing with Simpson's four free throws gave Armour fifteen points and a five point lead over Normal in the first half.

During the second half Normal gradually crawled up and finally passed the Black and Gold to lead by one point with but two minutes to be played. Robin's free throw tied the count. When a Normal player missed a free throw shortly after, the game went into an extra period with the score 21-21.

The overtime play quickly gave Armour an edge. Rowley's mid-floor shot started the scoring. Robin made two clever plays which enabled him to get behind his guard and score two baskets. A free toss by Ott completed Armour's scoring, while all Normal could collect was two free throws during the overtime period.

Robin was high scorer for Tech with five baskets and two free tosses. Simpson, Ott, and Rossing each scored four points. Barder and Erickson scored fifteen of Normal's points.

The game was very rough, Armour committing 21 fouls and Normal 16. Four Armour men, Rutkowski, Simpson, Miran and Ott, and one Normal player, Barder, were eliminated on personal fouls during the battle.

BOX SCORE

Chicago Normal

	B	F.T.	P
M. Egan, r. f.	1	0	1
Fricker, r. f.	0	0	2
Erickson, l. f.	2	5	3
Barder, c.	2	2	4
Fralick, r. g.	0	3	3
J. Egan, r. g.	0	0	0
Rittmeyer, l. g.	1	1	2
Wolf, l. g.	0	0	1
	6	11	16

Armour

	B	.T.	P
Robin, r. f.	5	2	2
Tell, r. f.	0	1	1
Simpson, l. f.	1	3	3
Ott, l. f.	1	2	4
Rossing, c.	2	0	1
O'Connor, c.	0	0	0
Miran, r. g.	0	0	4
Rowley, r. g.	1	0	2
Rutkowski, l. g.	0	0	4
	10	8	21

Y.M.C.A. Victors Over Tech Five

In the first regular scheduled basketball game of the season Tech was defeated by Y. M. C. A. College, 25-18. The game was played at the Armour floor, the 8th Regiment Armory.

Coach Krafft looking for a working combination tried frequent substitutions. His opening quintet was composed of Robin, Simpson, Rossing, Rutkowski and Bruni.

The game started rather slowly, for each team was testing the strength of the other. Several times Tech made tries at the "Y" basket but was not successful in scoring any points. It was not until late in the opening period that Tech finally came through with a basket. In the meantime "Y" was gathering a comfortable lead.

Meyer, "Y" forward, did creditable work in getting around Tech guards. But for his fine floor work the slow breaking attack of the Krafftmen may have been more successful.

Stagg Gives Plans for Track Season

Coach A. A. Stagg, Jr., coach of Armour Track Team, urges all indoor track men to start practicing this week if possible. Uniforms will be issued by Coach Stagg at Bartlett Gym.

The first meet on the schedule will be the Armour Interclass Meet which will be held the latter part of February. This will be followed by dual meets with Loyola and Chicago Normal, dates to be set later.

It is planned to send two relay teams to the Illinois relays at Urbana on Saturday, March 11. The relays to be entered, probably will be the two mile relay consisting of four men running one half mile each and the medley distance relay. A triangular meet with Sears Roebuck Y. M. C. A. and Chicago Normal will be held on March 22 at Bartlett Gym.

The Second Annual Armour Indoor Invitation Track Meet will be held Saturday, March 29. Twenty-five colleges will be invited to compete. These will include Beloit, Crane, Armour, Lake Forest, Y. M. C. A. College, Wheaton, Chicago Normal, Loyola, De Pauw, Morton College and North Central College.

It is also planned to have a team entered in the Drake relays at Des Moines in April and The National Collegiate Championships in June.

This year's team is very promising as practically all of last year's regulars are back.

Chicago to See Past in Future

Through the efforts of Ernest A. Grunesfield, Jr., and the money of Max Adler the city of Chicago may very soon be given a rare treat. Large audiences will be able to see a 24-hour astronomical day run off in four minutes.

The movements of the solar and stellar bodies will be completely visualized by means of a powerful projector to be erected in the new planetarium. Mr. Adler has provided $500,000 to build and equip a large domed building for this purpose and Grunsfield was selected to design the structure.

A complicated system of lenses and reflectors is employed, giving a perfect image of the heavens on the mammoth white dome. The result is the observation of stars, planets, sun and moon and even the milky way in a clear sky. Careful calculations have prevented the overlapping or blurring of images. The possibilities of the projector are endless, but the most spectacular is that of changing time so that the heavens may be viewed as they were thousands of years ago or as they will be thousands of years in the future.

A little motor, with a gyroscopic motion, brings about a procession of the equinoxes, so that when it is speeded up we may pass over a day in about four minutes. Eternal day may be demonstrated by slowing down the earth's revolutions to one a year, thus dispensing with sunrise and sunset.

Five fraternity houses have been burned down at the University of Southern California in one month.

SWIMMERS HAND HYDE PARK "Y" CLOSE DEFEAT

Armour Takes Three Firsts to Win 34-32

SECOND VICTORY

Tech swimmers chalked up another victory last Thursday when they defeated Hyde Park Y. M. C. A. by the score 34-32.

Stranch, captain of the team, did not perform because of injuries which he sustained in an automobile accident during the Christmas vacation.

Perhaps the most spectacular race of the night came when Knox beat Lyons of "Y." in the 100 yard free style event. For a time the spectators were uncertain as to who had won the race, however the judges unanimously voted Knox the victory. This decision determined the victor of the meet.

Summary:

40-yd.—free style: first, Lyons, Y.; second, Knox, A.; third, Pfeiler, A.; time 0:20.4.

100-yd.—breast stroke: first, Trognitz, A.; second, Cavanaugh, A.; third, Giovan, Y.; time 1:51.1.

40-yd.—back stroke: first, Zoller, Y.; second, Halley, Y.; third, Weston, A.; time 0:26.0.

100-yd.—free style: first, Knox, A.; second, Lyons, Y.; third, Pfeiler, A.; time 1:03.0.

Fancy Diving: first, Schick, Y.; second, Thomson, A.; third, Bishop, Y.

220-yd.—free style: first, Weston, A.; second, Davidson, A.; third, Hines, Y.; time 2:51.0.

160-yd.—relay: first, Y. team (Lyons, Hines, Zoller, Halley); second Armour team (Knox, Carlstrom, Pfeiler, Davidson); time 1:25.2.

Fraternity Cage Tourney Starts

Eight of Armour's ten fraternity basketball teams will compete for the inter-fraternity championship this week. The first two games are scheduled for Thursday, January 16. The Rho Delta Rho's and Phi Pi Phi's will uncap the proceedings by starting the first game. The Sigma Kappa Delta and Triangles will take the floor after the first half and then will again resume play after the first game is completed.

On Monday, January 20, Phi Kappa Sigma meets Theta Xi in the starter while the Delta Tau Delta and Kappa Delta Tau fraternities mix in the aftermath.

All games will commence at 5 P. M. and will be held in the school gymnasium. The championship contest is scheduled for January 24.

From the Auburn Plainsman we plucked this peculiar bit of news:

"According to statistics issued by the University of Boston last year there were men in attendance from every State in the Union except Georgia. We suppose the Georgians were raising peanuts for the other students to eat on all solemn occasions, like at football games and picture shows."

RAMBLING TECHS

The Future?

Another year has passed! We now enter 1930 wondering whether we shall enjoy the athletic successes which Tech experienced in 1929. Everything seems to point to a banner year. Basketball, baseball, track, swimming, boxing, etc., all seem to indicate a best year in 1930.

A Great Year

Some of the notable events in the Sport calendar of last year were: the wonderful record of Tech Baseball team with 13 victories and a single defeat; the unprecedented success of the First Armour Tech Invitational Track Meet; the Junior Class' unusual string of interclass championships in indoor track, baseball and relay; the unexpected victory of the Frosh in the interclass basketball tournament; Phi Pi Phi's repeating their 1928 victory in the great track meet of Circus Day; Sigma Alpha Mu's winning the interfraternity indoor baseball trophy; so we might continue ad infinitum.

Just Because

An article written by John J. Schommer which appeared in the last issue of this paper seems to have raised the ire of some of our Chicago newspaper columnists.

John W. Keys in his "Right in the Mitt" column in the Chicago Daily News said: "But if we remember correctly it was Mr. Schommer and not the newspapers that called it a touchback." We imagine that Mr. Keys is refering to the famous "control and possession" decision in the Notre Dame-Southern California game of several years ago.

Up And Down, Too

In his "Looking 'Em Over" Mr. W. S. Forman in the same newspaper raved considerably of "John J. Schommer, conference official, who has been airing his opinion of newspapers in the Armour Tech Daily." We wish to inform Mr. Forman that this paper happens to be a weekly at the present time, and not a daily.

The Chicago Herald and Examiner also commented on this article in the issue of Dec. 26, 1929.

Iowa, Notre Dame, Etc.

In another month we shall see the first baseball of the year. Coach W. C. Krafft will start his battery men about that time. The schedule is being made up at the present time and Iowa, Notre Dame, Coe, Michigan State and Lake Forest will have places in it, according to Krafft.

Track coach A. A. Stagg Jr. wrote us a very interesting letter in which he included the tentative indoor and outdoor track schedules. This schedule is given in an adjoining column.

A. H. J.

It isn't often we find records of football games that lasted more than one afternoon, but we discovered this ambiguous piece of information in that thoroughly veracious periodical, The Raleigh Times:

"Charlottesville, Va., Oct. 19.—(AP)—Scott, right end for V. M. I., took a pass from Williams and raced thirty years for a touchdown in the first period of today's game with the University of Virginia."