

The Tech

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 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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WE STILL MAINTAIN POLICY OF THE TECH

RUMORS have been spread about the campus of late to the effect that The Tech has made a decided change in general policy toward other activities and the reporting and discussion of news. The Dorm Rumor, news organ of the Dormitories, has been particularly aggressive in its stand. Unfortunately, however, its writers are not always well acquainted with the facts at hand and their statements in the last issue that The Tech "backs down," and lacks "experience and general good sense" were not founded on truth.

Because many of these rumors are not based on fact, The Tech wishes to restate at this time its general policy which it originally set forth in the first issue of the new volume several weeks ago and to which it is still adhering.

The Tech guarantees to its readers conscientious coverage of all news of the Institute and outside happenings which may greatly interest us here. In its editorial columns it promises to comment upon the news and give, as far as is possible, fair, non-partisan opinions. The Tech does not agree to support nor to tear down any activities on the campus no matter what obligations it may appear to be under to do so. Contracts entered into for the deliverance of cut-rate subscriptions to large organized groups shall never be accepted as reasons for favoring that group in the play-up of news and in editorial discussion.

Even though recent editorials have been accepted as more praising than those of previous issues they were not, however, departures from the editorial policy of The Tech but rather strict confirmations with it.

The Tech has adopted the policy of giving opinions, whether they be in the form of praise or criticism, on the happenings at Technology and elsewhere. The Tech is conscientious in its attempts at maintenance of sincerity and good taste in all its undertakings. In the future its policy will be identically the same.

WAR TOMORROW? FRENZIED HEADLINES

THE newspapers are currently having field day: Germany is moving troops into the demilitarized Rhineland thus repudiating the Versailles treaty and the Locarno pact. Gloomy editors are hovering over their typewriters, grinding out "expert" predictions as to the starting time of the next general conflagration.

True, the European situation is serious; but it is not any more serious than it had been just prior to Germany's surprise move with which she startled a sleepy public. Germany had repudiated the Versailles treaty many months before by increasing the strength of her army over treaty limits, by building tanks, military aircraft and submarines in clear violation of mutually agreed upon provisions without ever attempting to hide her acts. In fact, Germany gained official recognition and implied approval through the recent naval accord reached with Great Britain.

What is the excitement about? Germany did two things: she officially repudiated the two treaties (one had already been violated before) citing the ratification of the Franco-Soviet mutual assistance pact as justification of such action—and at the same time offered France a new peace pact to take the place of all the old ones. In addition, Mr. Hitler decided to dramatize this incident by moving some 25,000 soldiers into the Rhineland. Clearly, he was indulging again in this queer play of acrobatics in which the left hand does not know what the right hand is doing—rattling his sabre and waving the olive branch at the same time. This diplomatically ill-conceived move is hardly understandable unless in the light of the German internal situation. Hitler's "heroic" occupation of the Rhineland was just another act of showmanship designed to divert the people's attention from conditions at home which are anything but pleasing to the "victories" scored on the international scene.

Unfortunately for Mr. Hitler the military occupation of the Rhineland, intended purely for home consumption, gives the French added reasons for further army expenditures, for closer co-operation with Russia and Great Britain which, too, will have less trouble in passing the huge rearmament measures currently pending. In other words, just about the opposite of what Mr. Hitler had hoped for is actually taking place, and the "iron ring" around Germany is closing even more firmly. In 1914 a much stronger Germany had begun and lost the War with several powerful allies to aid her; today she stands virtually alone against a hostile Europe armed to the teeth. Hitler could not and would not make war right now or in the near future. He must wait until he can be certain of sincere popular support for such a venture, until Germany's army is fully built up and until his strategic isolation is effectively broken. This must of necessity take time; and in the meantime many things may happen which will retard developments along these lines still more. All this excitement is of no great consequence just now except to newspaper circulation figures; these European dispatches are almost as "newsy" as the latest reports from our baseball training camps down South.

OPEN TO STUDENTS INVESTIGATION

AT the time, a couple of weeks ago, when the Institute Committee appointed a committee for the investigation of the Musical Clubs, unofficial reports came from that committee that it was probable that some of the hearings of the investigation would be open to the student body. It was generally admitted at the time by The Tech and other groups that the plan was a good one and in keeping with the investigation's purpose of promoting closer co-operation between Musical Clubs and the students and faculty. Recently, however, the surprising announcement was made that the hearings would all be closed sessions because it was felt by the committee that open meetings could be of little use.

Of course the investigating committee should be free to conduct the investigation in the manner in which they think the greatest good will be realized, but a suggestion to them might be well at this time.

If the purpose of the investigation is to bring about the co-operation of the student body in putting the Musical Clubs back on their feet, why isn't the holding of several open meetings a very good procedure in the desired direction. An invitation to the students to attend meetings at which they would be encouraged to voice their viewpoints should tend to interest them and make possible their attention and co-operation. At the same time it gives the investigating committee and the Musical Clubs an idea of the attitude of the student body toward their proposed moves and allows them to forestall any undesirable outcome of final decisions on the basis of the findings. Of course, the success of this type of meeting would depend upon the serious manner in which they are conducted. However, we believe the committee is capable of maintaining decorum throughout the investigation.

At any rate, since they have made the unofficial announcement of their plans to have open meetings, they leave themselves open to criticism by the students much more than they would have if they had not mentioned these intentions in the first place.

IT IS YOUR DUTY

NEW DEAL POLL

When the results of the poll on the New Deal, which is to be held on Thursday, have been counted and tabulated, the results will not be an indication of the American people but, more interesting to men at Technology, will be a measure of the sentiment of average American student of engineering and science toward present practices in politics and recent legislation under the New Deal.

As every American should consider it his duty to vote in national elections, so should every Technology student feel it his privilege and duty to indicate his sentiment toward the New Deal in the coming poll by The Tech, not because upon this poll depends the election of any officers but because, when reports of the poll are reported through The Tech and other papers, it is desirable that the true ideas of the majority group be determined rather than that of a few students.

Outside of voting because it is his duty, the Institute man should also go to the polls Thursday to prove that he is not the narrow, one-track minded individualist which he is often thought by the average American, but rather a broad-minded student destined to be a leader in the America of tomorrow in the application of scientific methods and thinking to problems of democracy.

OPEN FORUM

In opening its columns to letters addressed to the Editor, THE TECH does not guarantee publication nor does it necessarily endorse the opinions expressed. Only signed communications will be considered. However, if the writer so desires, only the initials will appear on publication.

DORMITORY DOINGS

M. I. T. Dormitories
 March 6, 1936.

To the Editor of The Tech:

The Dormitory newspaper has made attacks on The Tech with which I firmly disagree. I should like to back up The Tech on some of its policies.

I have yet to find out what The Tech has done that is so terrible. It has a perfect right to criticize various doings in the Dormitories and the Institute proper. On many of these criticisms, The Tech has turned out to be wrong, but it has apologized for its errors. If there is a misunderstanding, or if something around the Institute does not seem quite right, it is certainly within the province, if not the duty, of The Tech to point out these things.

If it turns out to be all wrong, and if the accused then gives an explanation, there is no harm done. On the other hand, if there is some dirty work, The Tech's criticisms might reveal it.

Of course it is not good for The Tech to make mistakes, but, after all, it is the staff of the paper that suffers when such mistakes occur. Certainly it is better to have criticism that is not based on the full facts than to have none at all.

The Dorm Committee acted rashly when it nearly deprived us residents

Adventures Of Yukon Expedition Described

Talk Illustrated With Slides And Motion Pictures

Bradford Washburn of the Harvard School of Geography will discuss his adventures as leader of the recent National Geographic Society's Yukon Expedition at Brattle Hall in Cambridge on Monday, March 16, at 8:15 p. m.

Mr. Washburn will describe the exploration of one of the last unknown regions in North America, illustrating his talk with moving pictures and colored slides.

The lecture, under the direction of Mrs. Edward Ballantine and Mrs. Franklin T. Hammond of the Board of Managers of the Cambridge Tuberculosis and Health Association, will be given for the benefit of the organization.

Tickets may be obtained at the door at \$1.00 each, or reserved in advance through the Association, 689 Massachusetts Avenue, Cambridge.

Bradley

(Continued from Page 1)

scriptive Geometry, published in 1917, has been widely used in college instruction. Interested in many fields of scientific thought, he was a member of various societies, including the American Association for the Advancement of Science, the Mathematical Association of America, the Society for the Promotion of Engineering Education, and the American Association of University Professors.

A man of retiring nature, he had, nevertheless, many close friendships among his students and professional colleagues, notably Professor Goodrich of the Drawing Department.

The funeral took place from the Waterman Funeral Parlor on Monday. The Professor and his wife, who survives him, resided in Dorchester.

"Burlesque choruses give me a pain in the neck," says a critic. Well, if he didn't stretch it so far it wouldn't ache.—Concordiensis.

of our copies of The Tech for this term without first attempting to determine the opinion of the majority in this matter. I think that it is particularly important that we should all see The Tech to get an idea of what is going on at the Institute and I believe that the Dorm Committee was acting without finding the full consensus of opinion.

Furthermore the Dorm Rumor is in no position to level criticism. Besides encouraging rowdiness, to a certain extent, and making high school smart aleck comments, it is poorly written, messily put together and frequently illegible. Furthermore, it is not at all regular with its issues.

The Dorm Rumor and the Dorm Committee should realize that The Tech has done nothing disgraceful, but has tried, as all good newspapers would, to comment, criticize and thus to aid the students it represents.

Sincerely yours,
 James H. Owens, Jr., '37.

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 NEEDS A FRIEND

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Reviews and Previews

PLYMOUTH — Personal Appearance or How Far Is the Barn? opened last night with Barbara Brown in the role that Gladys George made famous on Broadway. This comedy, which ran for fifteen months in New York, and is now touring the country, tells what happens when a beautiful Hollywood star falls in love with a handsome filling station attendant. A resourceful press agent prevents anything very serious from happening. As far as acting and production goes, this is one of the best of the current plays.

OPERA HOUSE—The Hollywood Ballet will give three performances on March 20 and 21. Their program includes several modern interpretations of tone poems.

SYMPHONY HALL—Trudi Schoop, the female Chaplin of the Ballet, brings her famous Comic Ballet here for two performances on Friday evening and Saturday afternoon, March 13 and 14.

Coast Guard Defeats Tech Boxers 4½ To 1½

Captain Lefthes Loses Match To Lamb In Major Bout

Technology boxers were defeated at Coast Guard by a score of 4½ to 1½ before a crowd of 800. Baldwin, Ryan, Constance, Lefthes, Whittingham, Kettendorf and Chmielewski were the squad who made the trip.

In the 125-pound class, Baldwin got the decision over MacKintosh of Coast Guard. Baldwin was very cool throughout the fight and did a good job.

There was no decision in the 135-pound class, but Ryan gave Stowe of Coast Guard a good battle. Incidentally, Ryan weighed 129 against Stowe's 138. Constance of M. I. T. lost to Johnson of Coast Guard in a close match, in the 145-pound class.

Captain Lefthes lost to Lamb of Coast Guard in what resembled a Pier 19 brawl. This was the feature fight of the evening, and both contestants were recipients of black eyes in three rounds of toe-to-toe fighting. If this fight had lasted ten seconds more, Lefthes would have kayoed his opponent.

College Music Groups Broadcast Over Large Network On March 29

Orchestras, Bands, and Vocal Societies Co-operate In Broadcast

Music and American Youth, a broadcast presented on Sundays at 10:30 a. m. E. S. T., over WEA and a coast-to-coast network, will initiate on Sunday, March 29, a series of programs presenting the finest school orchestras, bands, and vocal groups from all over the United States.

On this day, the Music Educators National Conference will meet in New York City, and a large High School Chorus directed by Peter Wilhousky will inaugurate a Music Festival on the air, which will continue for an entire week.

On the Wednesday following, the National Broadcasting Company will be host to the Radio Section of the Conference to Radio City for their morning session, and on Friday, Dr. Walter Damrosch will give a special performance of the NBC Music Appreciation Hour before the entire Conference at the Metropolitan Opera House.

Poster Chairman Announces New Contest for Open House

Combined Professional Societies has announced a contest open to all Institute students, to select the design for a poster to announce the Thirteenth Annual Open House. The posters must be submitted before five o'clock, March 25, in the Information Office, Room 10-100, or in Room 34, Rogers Building. The entries will be displayed in the Main Lobby on March 26 and 27. The winning poster will be selected by a vote of the student body on March 27. Six hundred copies of this poster will be printed and distributed to high and preparatory schools in New England, New York and New Jersey.

The poster is to be printed in black, or in one color of ink, on either white or a colored background, on a sheet 11 by 17 inches. The following printing must be on the poster:

1936 Open House
Massachusetts Institute of Technology
Cambridge, Mass.
Saturday, May 2, 1936
2 to 10 P. M.

For further information, see George W. Ewald, Poster Committee Chairman, in the Combined Professional Societies office, Room 5-225.

COVERING THE CAMPUSES

Among the students of the University of Minnesota is one who has grown a full beard, which he has discovered to be a great asset to himself. Not only do the faculty treat him as a colleague, but also he is certain that the girl with whom he goes out, is intelligent and broad-minded.

A high level in chemical research was attained by a University of Chicago prof. who made public the following paper:
Subject of research: Woman.

Symbol: WO (woe is us), a member of the human family.
Occurrence: Wherever man exists.
Physical properties: Boils at nothing and may freeze at any minute. Melts when treated properly. Very bitter if not used correctly.
Chemical properties: Violent action when left alone by man. Very explosive and likely to prove dangerous in inexperienced hands.

Down in Nebraska things are being done differently: Coeds escorted their boy friends to a party in everything from baby carriages to ambulances. And it was the men at the affair who wore corsages, most of which were made of onions, radishes, carrots, garlic and other choice vegetables.

A University of Washington prof was observed sitting on the steps of a building while his class sweated out an exam inside. "Won't the students cheat?" inquired a restless colleague. Said the professor: "Let them, I turned in their grades yesterday."

Newly Developed Radio Brain Records Popularity Of Programs and Stations

Professor Robert F. Elder, of the Business and Engineering Administration Department, after studying the methods of radio audience survey for several years, has developed in cooperation with Professor Louis F. Woodruff of the Electrical Engineering Department, a department that promises to have a far-reaching effect on the radio broadcasting industry. The new gadget, styled the "radio brain," is an infallible mechanical-electrical contrivance, that when attached to a radio set, records the time the set is in use and the station listened to. Some of the pertinent things the "radio brain" will show are:

The total audience by hours of the day and by days of the week.

The size of the audience receiving any given program on any given day.

Classification of the earning power of any given audience for a particular program.

By a process of elimination, the programs to which the public does not listen or listens least.

Every important classification in a listener survey is seemingly covered by this data. The results will determine exactly how many people listen to the Eddie Cantors and the Jack Bennys, and exactly how many tune out poetic readings, symphony orchestras and operas or vice versa.

The scheme of Professor Elder consists of a mechanical method of measuring audience reaction, as an improvement over the question and answer of fan mail methods used in the past and at the present time. Professor Elder, who pioneered in the old methods, now comes forward as the pioneer in the new mechanical field.

The system consists of an instrument having a synchronous motor of the electric clock type and attached to the set to make, in conjunction with a tape recording device, a continuous record of those times when the set is in use and of what station to which the set is tuned.

In a report to the American Marketing Society Convention, held at At-

lantic City in early December, Professor Elder disclosed that 100 radio receiving sets a week were being equipped with the recording device in Boston at that time. If and when Professor Elder's invention is produced and installed on a national scale, there should be much less cause for complaint about radio programs, as advertisers most certainly will model their programs after definitely known public likes and dislikes.

Seniors Of Course XV To Meet Business Men

Seniors of the Department of Business and Engineering Administration will have an opportunity to meet leaders in business and the engineering field at a series of four dinners to be held on March 10, 17, 24 and 31, it was announced by the department.

Guests at the dinners will include Donald G. Robbins, vice-president of Associated Depositors, Inc., a member of the Institute's Corporation and vice-president of the Alumni Council; Professor Walter G. Whitman, Head of the Department of Chemical Engineering; W. R. MacLaurin, son of the late President Richard C. MacLaurin; and Professor Edward L. Moreland, head of the Department of Electrical Engineering and member of the firm of Jackson and Moreland.

The dinners will be held in the Fabian Room of the Graduate House and will be followed by informal discussions in the Macomber Room.

Ancient Roman Saw Still Used Today To Cut Marble Slabs In Modern Mills

The polished marble facings adorning so many modern buildings are sawed from rough quarry blocks by the same method used by the Romans before the birth of Christ. This ancient process, moreover, is not carried on in a backward district of a slightly developed land, but is used in the most up-to-date mills of the world.

When the Romans built their forums and amphitheaters, cutting thin slabs for facings presented a serious problem, since the metal saw quickly wore dull against the hard stone. A thin, wide, iron strip, similar to a huge hacksaw blade, suspended from above by flexible supports so it could swing to and fro, was evolved as a saw. Sand and water were poured on the cut and slowly ate into the stone as the slaves pushed the saw back and forth. Instead of grinding away the soft metal, the sand particles either embedded themselves in the iron or rolled under the metal so that the wear on the blade was small.

Present-day gang saws use that same principle and differ only in the method of propulsion, the mechanical construction, and the number of blades. The same iron or soft steel blades are used; no better abrasive for a suitable price has been found than sand and water; and it still takes weeks to saw a block six feet high into slabs of unpolished marble one inch thick.

In a modern mill, the saws run day and night, six days out of the week, steadily cutting down into the huge block of marble at a few inches a day. Each gang saw is made of a set of long thin wide blades spaced at the widths of the desired slices of stone and wedged into heavy rectangular frames. The frames are suspended by their corners from pivoted arms fast-

ened overhead, and are swung in a small arc back and forth by steam or electric power. A mixture of sand and water is steadily pumped on the marble from above, and washes the worn sand, marble dust, and iron powder out of the cuts.

The use of such an ancient system is not due to backwardness in the marble industry; it is merely that the early builders devised a better method than any other developed since their day. Carborundum and other modern abrasives have the same disadvantage as the older diamond; their prices are too high to make their use profitable. Steel tools are still unable to stand up under the constant grinding of the stone to a sufficient degree to be practical. Many improvements have been made in cutting methods, some of which have been applied to the marble industry, but the ancient saw has yet to meet competition from a cheaper, quicker and more effective slicing method.

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"P.A. is mild and smooth—with never a touch of harshness," says George Demas, '36.

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Winston-Salem, North Carolina

PRINCE ALBERT THE NATIONAL JOY SMOKE

Johnson Places First In IC4A Meet

Trackmen Earn Seven Points In Intercollegiates

Captain Stan Johnson Leaps 23 Ft. 5 In. For First Place

Captain-Elect Guerke Takes A Fourth Place in 3000-Meter Run

(Continued from Page 1)

distance on Saturday and gained second for his efforts.

Guerke Takes Fourth

Captain-elect Henry Guerke forced himself out of a pack of twenty-seven entrants in the 3000-meter run until he was in eighth place at the half-way mark. With everyone showing the effects of the gruelling distance, which is about 240 yards less than two miles in length, Guerke managed to fight himself up in fourth place with five laps to go. He defied all comers and held this position until the end of the race. Woodland of Yale led the pack in 8:55.0 minutes.

Dave McLellan, president of the Junior Class, and member of the relay team, did not accompany his team to New York as his duties at the Junior Prom precluded his attendance. It seems likely that the Engineer quartet would have been able to make a third place in the relays.

Nestor Sabi, third man of the Beaver contingent, was eliminated in the trial heats and progressed no further.

With its three man representation and its total of seven points, the team placed ahead of Princeton, Pennsylvania, Syracuse, and ten other colleges.

Varsity Swimmers Lose To Bowdoin; Frosh Victorious

Varsity Completes Schedule; Enters N.E.I.S.A. Meet Next Week

Paige Takes 2 Firsts for Frosh

The varsity swimming team was defeated by a superior Bowdoin squad on Saturday, March 7, at the University Club, by the score of 59 to 17. This engagement completes the varsity schedule, and the team is now training for the N. E. I. S. A. meet to be held March 13 and 14 at Williams-town, Mass. However, the day was

Dripping With Victory



Cleon C. Dodge, '37, emerging from the pool after causing the water to seethe in the 150-yard backstroke event which he captured handily.

not completely lost, for the freshmen swimmers came out ahead of Dean Academy, 41 to 24, at Franklin, Mass.

The Technology varsity swimmers took two first places while the invaders won five. Dodge came through with a win in the 150-yard back stroke and Gardner took first place in the diving. The relay and medley races were both won by Bowdoin. On Wednesday, March 4, the varsity lost to Worcester Polytech here by a 50 to 27 score.

Relay Team Enters N. E. I. S. A.

The relay team which broke the Institute record will be entered in the New England Intercollegiate Swimming Association meet. Technology will also be represented in the medley races, the individual relay, 100-yard free style, and the back stroke. Those participating in these events are: Small, Smith, Main, Patterson, Dodge and Vonnegut. Dodge is the only entrant in the last three events.

The freshmen had very little trouble defeating Dean Academy. The yearlings showed much speed in the individual events, but they lost both the medley and the relay races. Paige was outstanding for the freshmen, taking two first places. Chestnut, Morrill, Fabens, and Hanson scored the other places. This is the second victory for the first year men in seven starts. There are three more matches to be played before the end of the season.

Summary for the Bowdoin meet:
300-Yard Medley—May (B), Hooke (B), Fish (B). 3:26.2.
200-Yard Free Style—Parker (B), Rundlette (B), Gardner (T). 2:52.3.
50-Yard Free Style—Gates (B), Gross (B), Main (T), 25.4.
Dives—Gardner (T), Pierce (B), Sampson (B).
150-Yard Back Stroke—Dodge (T), Seagrave (B), McKern (B). 1:53.1.

Freshman Boxers Suffer Defeat At Hands Of Shirley

Whittingham, Ryan, Badenoch, Are the Only Winners In Final Meet

Contest Held In Hangar Gym

Bob Whittingham, 155-slugger, provided the sole spark of interest in an otherwise dull evening of matches when he provided the only knockout of the freshman meet with Shirley in Hangar Gym last night. The score stood at 4-3 when the final bell rang, with the visitors on the larger end of the tally.

Whittingham, with a coolness unexpected from a freshman boxer, tied into Harry Bedney of Shirley whom the Beaver pugilist had knocked out once before and ere 1 min. 49 sec. of the first round had passed, had him on the floor.

In the 115-pound class, David Lichter of Technology lost a decision to James Connelly of Shirley. Woodson Baldwin, 125-pounder of Technology, was defeated by Malvin Scalzulli by decision. Philip Constance (T) did a good job against Andrew Annese but

Varsity Boxers Will Enter Intercollegiate Competition

Beaver boxers go to compete in the Intercollegiate meet at Penn State at the end of this week. The colleges participating in this meet are Penn State, Syracuse, Western Maryland, Harvard, Army, and M. I. T. "Champ" Norton will meet Valois of Harvard. This is the second time that Norton has drawn a Harvard man as an opponent in the Intercollegiate. Tony Chmielewski will face Solomon of Syracuse, and Captain Lefthes will be matched against Harrison of Army. The team will leave from South Station on Thursday afternoon.

Fencers Lose Match To Brown Unive

Ozol, Bartlett, Laus Score Of Beaver Points

Saturday afternoon Techn fencing team faced a strong aggregation and lost by very decisions, to the tune of 15 to 6. Ozol showed exceptional winning one foil and one saber each by 5-0. The sword team made best showing of the season, E and Laus each taking two bouts as a whole functioned well demonstrated a great improvement since the Boston College meet.

Next week-end they meet two opponents, Princeton on Friday and Rutgers, Saturday afternoon. Tigers will enter with a squad prior to the Technology fence easy victory is expected over the gers team.

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SPORTS COMMENT

Although you undoubtedly will have read elsewhere in today's issue of The Tech about Stan Johnson's feat in winning the broad jump at the IC4A meet in New York last Saturday, we feel that it deserves an additional space devoted to it here. Dick Bell was the last Tech man to win an indoor IC4A title, performing the feat in the dash event in March, 1933. The last previous Cardinal and Gray man to cop such an honor had been Hank Steinbrenner in the 1926 low hurdles. Thus Stan Johnson becomes the third Tech man in the past decade to win an indoor IC4A first place.

The All-Dorm basketball team swung into action again over the past weekend, splitting in the two contests it played. At the Cambridge Y. M. C. A. on Saturday night, the Red Triangle outfit, taking advantage of its being used to the small floor, took the Dorm team by a 32-23 score. Back in the Hangar again on Sunday, however, the Dorm players soundly trounced a local town team, 71-24. That is the highest count that has come to our ears for some time.

We don't like to rub it in, but on Saturday the gym team surely didn't come far from receiving the worst possible beating that a gym team could receive. A 53-1 drubbing ranks right up (or down) with record low scores for Tech teams. We guess Coach Forsell was right when he said the only hope lies in the future, for there certainly isn't much in the way of either quantity or quality connected with the present gym team.

Henry McCarthy has been experiencing his customary annual headaches in selecting the eight participants in the Tech basketball tournament for high schools, which begins Thursday afternoon in the Hangar Gym. There are always three or four teams on the borderline in the matter of choice, and when, because of the limitation of having only eight teams in the tourney, only one or two of these "borderline" fives can be chosen to fill out the seventh and eighth places, the supporters of those not invited complain and charge favoritism on McCarthy's part. It's an old story to Mac now, and should not bother him much, for he makes good choices, as those who have seen the tourney in past years will agree.

HALF & HALF MAKES ONE SWELL SMOKE!



No Bite!



No Bite!



Still no Bite!

Meet your pipe half-way. Pack it with Half & Half Cool as Big Ben's: "Come on, Fellow; scram!" Sweet as recalling: "It's Sunday . . . hurrah!" Fragrant, full bodied tobacco that won't bite the tongue—in a tin that won't bite the fingers. Made by our exclusive modern process including patent No. 1,770,920 Smells good. Makes your pipe welcome anywhere. Tastes good. Your password to pleasure.

Not a bit of bite in the tobacco or the Telescope Tin, which gets smaller and smaller as you use-up the tobacco. No bitten fingers as you reach for a load, even the last one

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HALF AND HALF The Safe Pipe-Tobacco FOR PIPE OR CIGARETTE

Freshman Hobbies Exhibit Organized

Exhibits In Chemistry, Physics, Meteorology Are To Be Featured

With a dozen displays already well organized and several more being planned, the freshman hobby exhibits promise to be an important feature of this year's Open House. According to Harold R. Seykota, '39, chairman of the organization committee, the exhibits will be mainly concerned with scientific and engineering subjects, with only one exhibit devoted to collections of stamps, coins, antique weapons, and kindred objects.

One of the outstanding exhibits will be a display of airplane models and methods of construction. As the plans stand at present, there will be a display of rubber band and gasoline powered models, with possibly an outdoor contest between two nine-foot gasoline powered models. There will also be a demonstration of model construction.

The committee in charge of the radio display is planning to install a complete modern amateur station, contrasting with one dating from 1920 nearby. Also, a transmitter may be set up in the Main Lobby through which visitors can send messages, which will be picked up for them in the radio exhibit rooms.

Further plans call for an elaborate electric toy railroad set-up, with all train movements governed by remote control. Exhibits in Chemistry, Meteorology, and Physics are also being planned.

A display of model boats is also being organized, but the committee in charge of this has not yet received enough models for the exhibit.

Geology

(Continued from Page 1)

ception of the color, is much like that of the household "steel wool." There are several specimens of another form in which silver occurs abundantly, namely, thin sheets formed in cracks in the rock. Exhibits of these show in cross section the thin, smooth, pure gray veins of silver, which crystallized years ago when a silver-bearing solution permeated the rocks, forming the deposit.

Specimens of crystallized asbestos are shown, possessing a gray, silver-metallic lustre and an unusual fibrous appearance, reminding one of the interior of a sugar-cane stalk. The samples on exhibition come from a mining district in the Transvaal, South Africa. This natural state of asbestos is very different from the soft white commercial product of Quebec, Arizona and Maryland.

Geological Curiosities

"Specular hematite," from the Island of Elba, possesses an unusual crystal form. It consists of thin, jet black plates, about one and one-half centimeters in diameter, cutting through one another. A lump of "fool's gold" (pyrite) weighing approximately twenty pounds is one of Utah's contributions to the exhibit. About thirty-five pounds of calcite in a single crystal of a clearly defined obelisk shape occupies a large space in one of the cases.

One of the most unusual of the geological curiosities is the "geodes" formation. "Geodes" are ordinary rocks, with a cavity inside and a heavy layer of crystals coating the inner surface. The crystals were deposited long ago by precipitation from mineral-bearing solutions which flowed through the rocks. When this stream was diverted, the crystalline lining was left. Close sections of several such specimens are shown.

Outstanding among the other exhibits are a large crystal of mica with at least a two-inch thickness of its characteristic layers, many varieties of beautifully colored amorphous SiO_2 (opals, agates, etc.) a slab of coal showing the fossilized outline of plants which once contributed to its formation, and a lump of red crystallized sulphur from Chile.

Scouting

The M. I. T. Scouting Fraternity will hold a meeting Thursday, March 12, at 8 o'clock, in the home of Peter White, 420 Memorial Drive, Cambridge. Refreshments will be served.



Quotes from the Classrooms

"This is for your own amazement."
—Prof. M. Rauscher.
"Axioms speak louder than words."
—2.15.
"Government, like clothing, is the badge of lost innocence."—Confucius per Bridenbaugh,
"Fate is what overtakes fatheads."
—Mundy.
"Women and Fate are synonymous."
—The Lounger.

As for these:

Many many years ago, when Phosphorous was only an element and Margaret Cheney was not yet a woman's students' room, the Institute had a complete staff of competent professors and instructors. It was a great idea, this Institution for the applied and theoretical sciences, and many were its praises, yea even unto the number of birds in the trees. (Both birds and trees being in abundance at the time.)

Suddenly came black days upon Rogers. The devil, who had been teaching Greek at Harvard, was forced down about three blocks this side of Hell to refuel. Hell, before it was incorporated into the schedule of the Institute was located half way up St. Botolph Street. So he dropped in at the "Chapel". For those who have come into the affairs of the Institute and the world since those days, the "Chapel" was the bar of the Hotel Brunswick.

Edging into a conversation intended to impress a couple of Harvard men, the devil heard two undergrads discussing the excellence of the engineering teaching staff, and laid his plans thereby.

Next day, five faculty members suddenly proposed simultaneously ingenious and novel plans to improve the record of the Institute. Of course they neglected to mention the whispered suggestion which had scared the pants off the limbs of four of them at the time, (the fifth was in bed when he heard the voice, and his landlady complained the next day) because no engineer ever describes anything that can't be measured with an ammeter and a photoelectric cell.

This plan, explained of course by intellectual sympathy, was simply not to send the poor students out into the unfriendly world when they graduated. No, they must be sheltered from the adversities of an unkind fate. And that, children, is why we have young and naive instructors to tell us how to experiment in the laboratories. Only they are not naive.

Come Backs

"Mr. Glunk, I have received only one problem from you this term," said he. "I have another one today," retorts Mr. Gwunk. That isn't funny, but it is by special request.

The well known anonymous telephone caller talked last week to a young damsel in Cambridge whom he hopes was young and a damsel and she liked it so much she gave him her number and told him to call up some more. It is a career!

THE TECH Inquires

This column endeavors to solicit student opinion on questions of timely interest. Persons are chosen at random and interviewed by a reporter. Questions for this column may be submitted by readers. Open Forum comment on any question or the answers thereto will be welcomed.

Question: Which do you consider more beneficial: time spent in organized extra-curricular activities, or time spent in reading or going to the theatre?

Carl Hedberg, '36, VI-C, 273 Harvard Street.

"Extra-curricular activities are more beneficial because of the opportunity for development in the way of leadership and cooperation or team work. This proves advantageous at graduation when being interviewed for a job. Employers would rather have men who show a well-rounded interest in their school life. Besides, there will always be time for reading and going to theatre; there is but one chance to get into extra-curricular activities."

William C. Wold, '37, XVI, 9 Lancaster Street:

"Time spent in extra-curricular activities are more beneficial because they approach conditions to be experienced in life after college."

David J. Torrains, '38, X, 326 Bay State Road:

"Time spent in reading is most beneficial because it enables one to broaden his outlook. An activity tends in the same direction, but since it is confined to one group of subjects, it cannot replace reading."

Eugene Cooper, '37, VIII, 34 Myrtle Terrace, Winchester:

"Of course it depends on whom the activity is to benefit. On the average, however, the individual is more likely, I think, to benefit from extra-curricular activities, since, in those he may depend to some extent on others for benefit. In reading and going to the theatre, he must depend on himself alone—a much harder task for most people."



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Each Puff Less Acid A LIGHT SMOKE OF RICH, RIPE-BODIED TOBACCO

Over a period of years, certain basic advances have been made in the selection and treatment of cigarette tobaccos for Lucky Strike Cigarettes.

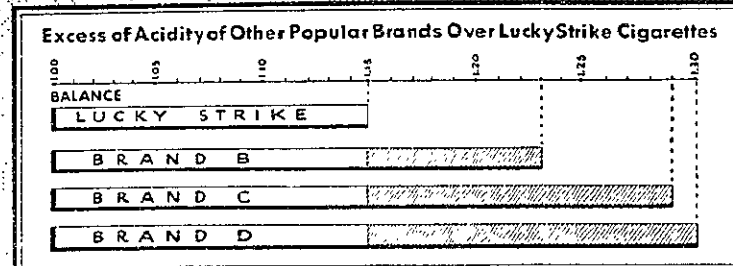
They include preliminary analyses of the tobacco selected; use of center leaves; the higher heat treatment of tobacco ("Toasting");

consideration of acid-alkaline balance, with consequent definite improvement in flavor; and controlled uniformity in the finished product.

All these combine to produce a superior cigarette—a modern cigarette, a cigarette made of rich, ripe-bodied tobaccos—A Light Smoke.

Luckies are less acid

Recent chemical tests show that other popular brands have an excess of acidity over Lucky Strike of from 53% to 100%.



RESULTS VERIFIED BY INDEPENDENT CHEMICAL LABORATORIES AND RESEARCH GROUPS

Luckies—"IT'S TOASTED"
Your throat protection—against irritation—against cough

HERE IT IS
OUR NEW
Shawl Collar Tuxedo
"FOR RENTAL"



READ & WHITE
111 Sumner Street, Boston
Woolworth Bldg., Prov., R. I.

CALENDAR

Tuesday, March 10

- 5:00 Institute Committee Meeting, East Lounge, Walker Memorial.
6:30 Society of Automotive Engineers Dinner Meeting, North Hall, Walker Memorial,
7:00 Inter-fraternity Conference Basketball Game, Hangar Gym.
7:30 Scabbard and Blade Smoker, Grill Room, Walker Memorial.
7:30 Tech Show Chorus Rehearsal, Walker Gymnasium.

Wednesday, March 11

- 5:30 Freshman Fencing with Dorchester High, Walker Gym.
7:30 Inter-fraternity Basketball Game, Walker Gym.
8:00 Chi Epsilon Initiation, East Lounge, Walker Memorial.

Thursday, March 12

- 9:00—5:00 The Tech Poll on the New Deal, Main Lobby.
Varsity Boxing in the Eastern Intercollegiate, Penn State.
5:00 Debating Meeting, West Lounge, Walker Memorial.
5:00 Ski Club Election Meeting, Room 4-231.
7:00 Inter-fraternity Conference Basketball Game, Hangar Gym.
7:30 Tech Show Chorus Rehearsal, Walker Gymnasium.

Probe

(Continued from Page 1)

to discover the best solution for the Musical Clubs. Anyone interested in contributing constructive advice is most welcome."

Delve Into History

It is expected that the committee will delve into the past history and traditions of the clubs today to form a sound basis for its future recommendations. It is to submit a report of the progress of its work at the regular

Institute Committee meeting next Thursday.

At the first meeting of the committee held last Friday, Mr. Donald G. Robbins, '07, chairman of the Advisory Council for the Musical Clubs, was questioned to offer his suggestions in the re-organization of the society.

Investigation into the Musical Clubs was ordered by the Institute Committee at its meeting on February 27. The committee named to conduct the probe includes: Anton E. Hittl, '36, chairman; John C. Gardiner, '36; Emanuel Rapoport, '36, and Scott G. Rethorst, '36.

Seniors Elect Course Representatives For Class Gift Committee

Cash Gift Instead of Policy Will Be Acceptable By Committee

Course representatives for the senior class gift, qualified to advise any members of the class on the various plans available, have been appointed to serve on the class gift committee. The men represent their courses as follows:

I—Anton E. Hittl, '36; II—Fred A. Proulx, '36; III—Stanley T. Johnson, '36; IV—David A. Werblin, '36; V—Robert F. Sherman, '36; VI—Martin A. Gilman, '36; VII—William F. Healey, '36; VIII—Lea H. Spring, '36; IX—Scott Rethorst, '36; X—George R. Robinson, '36, and James L. Vaughan, '36; XIII—Arthur E. Wells, '36; XIV—John P. Hamilton, '36; XV—Allen W. Horton, '36, Fletcher P. Thornton, '36, and Robert E. Worden, '36; XVI—Morrill B. Spaulding, '36; XVII—Frank W. Schoettler, '36, and XVIII—Brockway McMillan, '36.

John Austin, in announcing the appointments, stated that "these men know all about the details of various plans and can answer the questions of any members of the class."

The committee also announced an additional plan under which seniors can contribute to the gift fund, consisting of a cash gift.

"If a man doesn't care to take out

the policy a cash contribution of \$37.50 will at the end of twenty-five years, when deposited in the class gift fund amount to a hundred dollars. Several such contributions have already been received."

Coach Oscar Hedlund, agent for the insurance company, will be at the desk in the Infirmary Lobby every day except Saturday and Sunday from 10 to 3 o'clock.

Several men have already taken out policies and have had their examinations.

Menzel Lecture

(Continued from Page 1)

made during the total eclipse in 1932 will be shown.

Members of the staff and graduate students from Course II and Course XVI are invited to attend and to participate. The purpose of the conferences, of which this is the third, is to bring together workers in various fields to consider the state of affairs in some field in which their associates are working.

The students at the University of North Carolina held an open forum a few weeks ago at which grippers were given the opportunity to release their steam unrestrictedly.

Coeds of Syracuse University who are on the cheering squad are complaining of stiff backs. Strenuous practice, they say, is the cause of their ailment.

T. C. A. Sponsors Talk On Boy's Psychology

Mr. Walter Nicholson of the Institute of Character Adjustment will give the first of two lectures on Boy Psychology in Room 2-132 at 5 o'clock Thursday afternoon under the auspices of the T. C. A.

This is the third in a series of lectures for those interested in the leadership of Boys' Clubs. The first two lectures on the Organization of Boys' Clubs have already proved useful to those attending. Mr. Nicholson has been active in Boys' Clubs and in education for nearly fifty years and is now director of the North End and Charlestown Branch of the Institute of Character Adjustment.

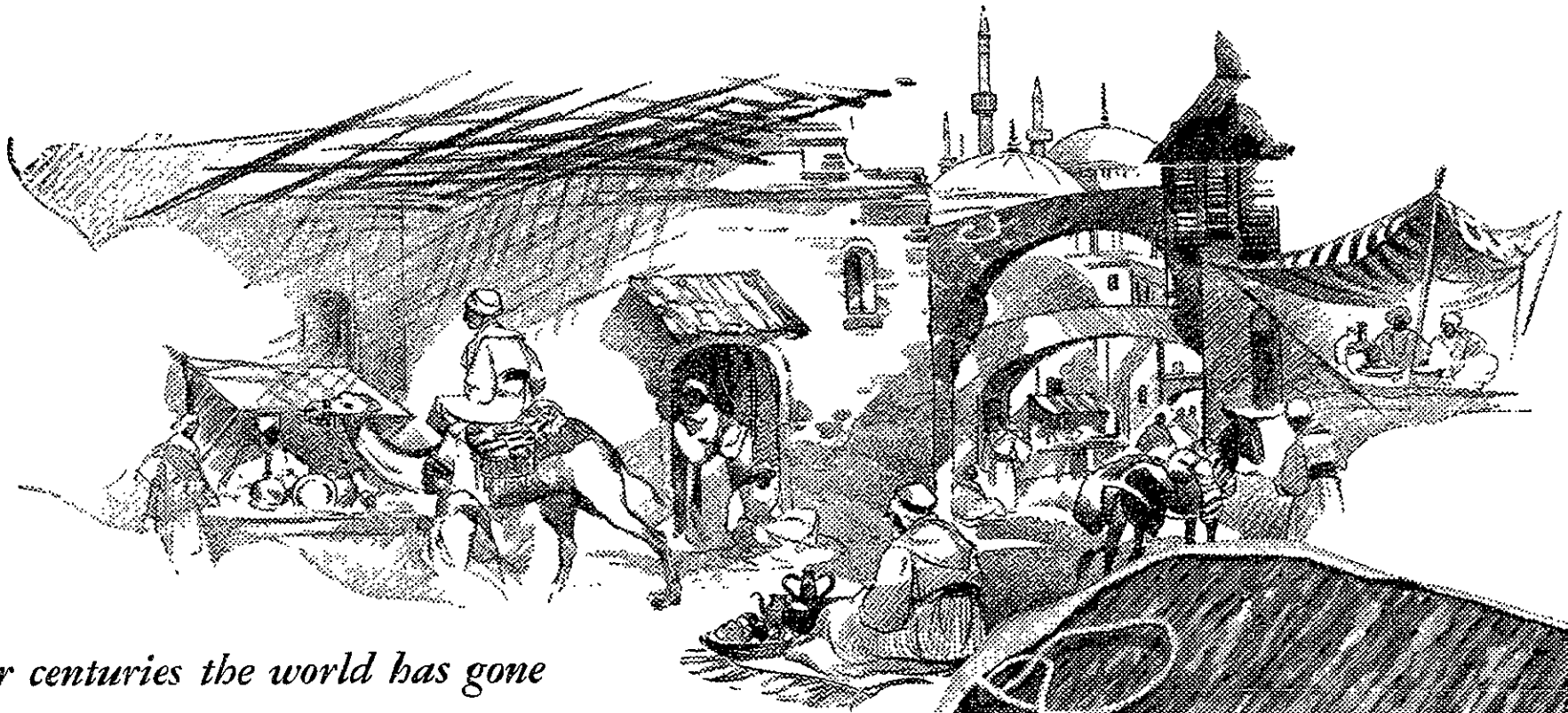
Tech Poll

(Continued from Page 1)

who favor stricter constitutional interpretations or wider national powers to indicate their preference.

The New Deal poll is an attempt to settle the question as to whether or not the engineer has attained a wider social viewpoint so that he is interested in affairs outside of his own field.

Voting will take place in the Main Lobby from 9:00 a. m. to 5:00 p. m. and the results of balloting on the New Deal question are to be published in Friday's issue.



For centuries the world has gone to the Near East for its flavors and aromas and spices.

...and today Chesterfield imports thousands of bales of tobacco from Turkey and Greece to add flavor and fragrance to Chesterfield Cigarettes.

Turkish tobacco is expensive. The import duty alone is 35 cents a pound. But no other place except Turkey and Greece can raise tobacco of this particular aroma and flavor.

This Turkish tobacco, blended with our own American tobaccos in the correct proportions to bring out the finer qualities of each tobacco, helps to make Chesterfields outstanding for mildness and for better taste.



Outstanding

.. for mildness
.. for better taste