

Koontz, Odiorne, Hittl and Morrison Head Tech Staff

Managing and Associate Board Announced at Banquet Wednesday

New Staff Takes Charge Of Next Term's Issues

Marroll Swan Principal Speaker; First Editor Presents Medal to THE TECH

At the annual formal banquet of THE TECH Wednesday night at the Parker House, the new Managing Board of Volume LV was announced by John D. Hossfeld, '35, the retiring General Manager. Engraved certificates were awarded to the following men: Elwood H. Koontz, '36, General Manager; Richard L. Odiorne, '36, Editor; Anton E. Hittl, '36, Managing Editor; and Ralph D. Morrison, Jr., '37, Business Manager.

Certificates were also given to the members of the Associate Board, all members of the Class of 1937. They are Joseph A. Smedile, Robert E. Katz, Albert A. Woll, Elmer C. Wirtz, Jr., Arthur M. York, Richard G. Vincens, Jr., Sherman A. Rose, James G. Loder, Allan I. Roshkind, Walter T. (Continued on Page 5)

The Tech

Dormitories Select Rogers Toastmaster

Committee Declines Information About Main Speaker

"Professor Robert E. Rogers, well known for his keen humor, will be the toastmaster for the Dormitory Dinner Dance," the committee announced last night. The dance will be held Friday, February 8, in Walker Memorial.

Dr. Karl T. Compton has also been announced as on the program of speakers. The committee has declined to comment on the main speaker of the evening.

Since it was announced that Tal Henry's Victor Recording Orchestra would furnish the music, the committee has received many favorable comments on their selection. This orchestra was one of the first to make Vitaphone Shorts when sound pictures were first produced.

(Continued on Page 4)
Dorm Dance

Heads Vol. LV of The Tech



Elwood H. Koontz, '36

What Grandfather Did In College Will Run In The Tech

Special Permission from "New Yorker" Allows THE TECH To Reprint Article

SAYS GRANDAD A HELLION

Going to the dogs seems to be the one outstanding trend of any younger generation, each one, presumably getting worse and worse.

But research shows that bombings, shooting, and burning of public buildings were the chief occupations of our grandfathers while in college.

All this was disclosed in an article by Morris Bishop which appeared in the *New Yorker* some time ago, and which that magazine has given THE TECH permission to reprint.

Beginning with our next issue, and continuing for five successive ones, we will run serially an article entitled "That Was College Life," which tells of "pranks" of the college boys of the "good old" days.

These pranks, incidentally, ranged from stabbing each other to death, to bombing and burning of chapels and libraries, and, indeed, even the house of the President was not immune.

Even the event of the removal of the chapel bells at Harvard or the Technology episodes with the Cambridge Fire Department look pale in comparison with those of yesteryear.

So be sure to get the next copy of THE TECH to learn grandfather's ingenious ways of letting off steam.

Boxers To Leave On Southern Trip After Mid-Years

Mittmen Fight Columbus and Rutgers On Four Day Southern Trip

TO ATTEND SENIOR PROM

Tommy Rawson's leather pushers are rounding into shape this week for the southern trip that will take them down to Rutgers in New Jersey and from there to Columbus University in Washington, D. C. This southern trip is the first one of its nature that any Tech boxing team has ever had, and has been brought about mainly through the efforts of Manager Red Hornor in an attempt to stimulate interest in boxing here at the Institute.

The boxers will leave here next Thursday night, January 24, arriving in New York Friday morning. The day will be spent sight-seeing and that night they will go by bus to New Brunswick where they meet Rutgers. They leave for the Capital Saturday morning and will fight the Columbus University team that night. The boys will leave for home some time Sunday afternoon. It was originally planned to make most of the trip by water, (Continued on Page 4)

Boxing

Coeds Planning Mermaid Team

First Year Girls Look Good For Dashes and Dives No Schedule Yet

Requested to buy their own ammunition, Technology co-eds have abandoned the idea of a women's rifle team and have turned their athletic thoughts toward swimming. Considerable discussion has been passing the rounds of the Margaret Cheney room the last few days bringing to light all arguments for and against the idea of an Institute mermaid team.

Bathing suits have been resurrected with a view to the day the Technology woman's swimming team will meet Wheaton. No longer are the coeds talking shop. All day long the walls of the Margaret Cheney Room echo the arguments for and against the American Crawl or the correct training table for the relay team. No schedule has yet been arranged, although it is expected that the Y.M.C.A. pool will be used for practice. A number of the freshmen are promising dash and relay material.

Last year the girls practised in the Y.W.C.A. pool but did not swim in any meets. If this year's plans materialize, however, and a good coach can be obtained the team will swim its way to victory.

Inst. Com. "brownbags" for Final Examinations

The following men were absent from yesterday's Executive Committee meeting: William W. Criss, '35, president of the M.I.T.A.A., and Wesley H. Loomis, '35, chairman of the Walker Memorial Committee.

From the Institute Committee meeting the following were absent: John C. Austin, representative, Class of '36; Cross; Harry E. Draper, president, Class of '36; John Duff, 3d, '35, general manager Voo Doo; Samuel S. Fox, '35, chairman, Elections Committee; John D. Hossfeld, '35, general manager, THE TECH; and Henry J. Ogorzaly, '35, general manager, Tech Engineering News.

Michael A. Kuryla, president, Class of '36, and Loomis were present by proxy.

Tech Show Hurdles Financial Barriers; Production Assured

General Manager of T. E. N.



Dorian Shainin, '36

Shainin, Williams, Lowe, Are Elected To T.E.N.'s Board

1935 Senior and Junior Boards Announced Last Night At Banquet

T. M. White, Former Member Of T. E. N., Guest Speaker

Elections to the managing board of the *Tech Engineering News* were announced at a banquet last evening at 7 o'clock in the Hotel Sheridan, Bay State Road. Both Senior and Junior Boards were included. The principal speaker of the evening was Trentwell Mason White, who bears the distinction of being the youngest president of the oldest publishing concern in the United States, Lothrop Lee and Shepard Co.

Dorian Shainin, '36, former treasurer of T. E. N., was elected general manager.

The Senior Board for the coming year consists of the following: Dorian (Continued on Page 3)

T. E. N.

Institute Comm. Makes Changes in Class Constitution

DANCE COMMITTEES NOT FINANCIALLY LIABLE

Tech Show Fulfills Committee Requirements; Pays Deficit and Supplies Bond

Having raised the required bond of \$200, and made up its deficit of \$93, Tech Show is free to proceed with plans for its Spring production, it was announced at the meeting of the Institute Committee yesterday. At the same time an amendment to the uniform class constitution placing class officers on their respective class Dance Committees, was passed.

A budget for Tech Show anticipating a ticket sale of \$1000. was approved. The expenses were estimated at \$870. leaving a theoretical profit of \$130. Last year's expenses ex- (Continued on Page 3)

Tech Show

Statler Is Selected For Junior Prom

Date Set For March 29; Will Sign Orchestra Early Next Term

The Imperial Room of the Hotel Statler, will be the scene of the Junior Prom this year on March 29. After investigating the possibilities of the Copley Plaza and the Somerset hotels, the committee decided that the Statler offered more space and general conveniences.

Because of the new system of orchestra management, which radically alters the signing of contracts, the Prom orchestra will not be definitely decided for several weeks. After this information has been obtained, the budget can be submitted to the Institute Committee and a price for the tickets set.

The Prom Committee feels that the elimination of favors again this year will allow a higher priced orchestra.

School Spirit a Teamwork Matter States Prof. Burdell In Interview

Just As Much School Spirit Here As At Ohio State College, He Declares In Comparing The Two Colleges

"There really is no greater school spirit at a large state university than at the Massachusetts Institute of Technology," said Associate Professor E. S. Burdell, former professor at Ohio State University, in a recent interview. "There is an absence here of a blatant, 'rah rah' crowd, which makes it appear that there is less spirit. School spirit, here, however is a matter of personal prowess and team work without regard for publicity values and gate receipts."

That statement was only one of the ideas Professor Burdell advanced in his comparison of this school and the liberal arts school of the mid-western university. M.I.T.'s biggest advantage, he believes, is that students at this smaller school have smaller classes and more instructors per student. On the other hand, Institute students

carry more subjects at one time and consequently have fewer classes per week in each subject. At Columbus students take most subjects five times a week.

Trend Toward Social Science

During the short time he has been here, Professor Burdell has noticed that, "In spite of the evidence here of professional interest that is not so apparent at a liberal arts college, there is a growing tendency at M.I.T. to take non-scientific and non-engineering subjects and to appreciate the value of understanding the social framework of an industrialized world." He believes that a more general liberal arts course arrangement is better than a strictly technical course because it will better fit the engineer to take his place in the world.

More Diversified Courses

Where he formerly taught, a student takes a much more diversified course until he finds some one filed in (Continued on Page 3)

Burdell Interview

Technology Freshmen Toss Dome In River! Send McCarthy to Moon

1,260,000,000 Calories Expended In Three Weeks of PT Classes, Enough to Hurl Dome Far Out Into Charles

Enough energy to lift up the dome on Building 10 and hurl it bodily into the middle of the Charles River Basin is expended every three weeks by some three hundred and fifty freshmen who bend and groan under the guidance of "P. T." McCarthy twice a week in the Walker Gymnasium.

This startling fact was revealed by an "energy survey" made by THE TECH, with calculations according to Prof. Nathaniel H. Frank, as explained in 8.01.

Expend 600,000 Calories

It has been estimated that about 600,000 small calories, or gram-calories, as they are called by the scientist, are expended in hard exercise during a half-hour period. Three hundred fifty freshmen, therefore, exercising twice a week, expend 420,000,-

000 calories a week, or one billion, two hundred sixty million in three weeks.

Now suppose the 350 freshmen taking P. T. were to gather round the base of the dome some eventful day, and with one mighty heave expend three weeks of energy in a single impulse. The weight of the dome, is, roughly, one million kilograms. According to the principle of the conservation of energy, the dome would acquire a kinetic energy equivalent to the billion and a quarter calories expended. As any of the freshmen could tell by a simple calculation, perhaps, this would give it a velocity of somewhat over 100 meters a second.

If the freshmen's knowledge of 8.01 still held out, they would remember to apply this force at an angle of forty-five degrees with the ground. Another simple calculation would show them that the dome would land over a thousand meters from its starting-point, and if it were aimed cor- (Continued on Page 2)

Dome



Vol. LIV

JANUARY 18, 1935

No. 58

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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News and Editorial—Room 8, Walker Memorial, Cambridge, Mass.
 Telephone KIRKland 1882
 Business—Room 302, Walker
 Telephone KIRKland 1881

SUBSCRIPTION, \$1.80 Per Year
 Published every Tuesday and Friday during the College year,
 except during College vacation
 Entered as Second Class Matter at the Boston Post Office
 Member Eastern Intercollegiate Newspaper Association

Night Editor This Issue: Dayton H. Clewell, '33.

MIDNIGHT OIL

UNINTELLIGENT CRAMMING

SOME students at the Institute enter the exam room and remark with pride to their associates: "Boy, am I worn out! I spent until 3 this morning studying for this exam." And the rings under their eyes confirm the fact. They have "crammed" for their finals by burning the midnight oil, and feel that they are sure to "hit" it for a high mark because of their "concentrated" study at the last minute.

To the students, and they are not all brownbaggers, Miss Ruth Duffey, supervisor of physical activities at B. U. has offered some good advice. Her "five commandments" can be followed profitably by men as well as co-eds. The rules she suggested are worth quoting: (1) Do not go in for midnight snacks of pie and coffee if you feel hungry while studying for examinations. If you must eat, try milk and cookies. (2) Get at least eight hours sleep the night before an exam. Study that is crammed in the early morning hours is not worth a great deal, for it takes too much out of a student physically and mentally. (3) Get outdoors at least one hour a day. Go skating or skiing if you get the chance; if not try a brisk walk. (4) Cut your smoking down to a minimum, and even if you eat light hurried lunches at other times take time during the exam period to have three good meals a day. (5) Do not study too many hours in succession, but take time off once in a while for recreation.

Last minute cramming at the expense of adequate sleep and food is no way to prepare for finals. Intelligent cramming is immeasurably valuable. But if the student wears himself out by trying to accomplish too much before exams, he will seriously jeopardize his chances of working at a maximum efficiency at the time when his vitality and alertness will do him the most good.

APPLYING ART TO SCIENCE

BROADCASTING

SCIENCE was recently reconciled with art in a manner and upon a scale quite commendable of this rather commercially inclined nation. In cooperation with the Bell Telephone Laboratories, Leopold Stokowski, the internationally famous conductor of the Philadelphia Symphony Orchestra, conducted a series of tests in order to determine the more intangible efficiency of our present system of commercial radio broadcasting.

The results put that system to shame. It was discovered that of the range of frequency capable of being produced during an opera or symphony broadcast, less than half was being reproduced by the average radio receiver. Sakowski found that the total range of frequency produced lay between 50 and 13,000 cycles; the range received, between 50 and 5000 cycles. The effect of this drastic reduction in tone upon the original sound is obvious.

Nor is this bad effect entirely the fault of the receiving set, as would seem logical. While it is true that many of those sets are incapable

of reproducing fundamentals and overtones in their proper proportion, Stokowski attributes a large portion of the blame to the fact that so many different stations are crowded into a comparatively small band of radio frequency. Moreover, the present system of broadcasting has not sufficient control over the relative power emitted by those stations which operate upon the same frequency wave.

More important than the diagnosis is the cure, however. By joining his own knowledge with that of the technical experts at the Bell Telephone Laboratories, Stokowski was able to devise a system of broadcasting which would sufficiently broaden the frequency band allowed each individual station. His plan, which would make the network, already in use to a certain degree, the standard, would at the same time eliminate the present necessity of very accurate tuning, since the band of one station will not interfere with that of another.

Since the realization of such a project would require the reconstruction of most of the present radio broadcasting stations, it is doubtful that its benefits will be enjoyed for some years to come. Should that materialization be demanded by a sufficiently large number of people, as it eventually will be, it is almost certain that the additional radio audience created by the conversion would more than compensate for its cost.

RULE

END OF VOLUME LIV

WITH this issue, THE TECH completes its 54th year of existence and writes finish to the efforts of another Managing Board. For the members of this board comes freedom from one responsibility so that they may better prepare in the few months of college life that are left to them, for the heavier responsibilities that come, unbidden, with graduation.

When, after the examination period, the 55th volume of THE TECH begins publication, there will be a new board with the fresh enthusiasms and hopeful initiative of the unexperienced to cover its pages with type and inform potential advertisers of the number of its readers and their freedom in spending. To them we can only say as did Dr. Livesey to Long John Silver, "Look out for squalls."

How these new men feel about assuming their duties, the editor cannot say, but for himself, he asks to be permitted, in this, the last editorial he will write for THE TECH, to drop for once the editorial impersonality and assume the flesh and blood I.

I liked this job. It brought me plenty of work and not a few worries, but it was worth it, for whatever I did for this paper, it did more for me. But there must be an end to all things, and I will write as does the newspaperman after the last paragraph to indicate the end of the story,

—RULE—

With The American College Editors

Communism?—Who Said So?

The Technique is no communist organ. It is a student paper and its editorial policy has not in any way been affected by the so-called influx of communist propaganda on the various college campuses and it has in the past and will continue, as the occasion demands, to denounce the encouragement of wars of any kind.

The Great World War was a tragic happening and those of us who can realize the enormity of that tragedy are only too ready to condemn even the thought of such a recurrence. Liberal people the world over are of the same opinion and newspapers will make communists and radicals of those people who in reality are not of such mind, but are intelligent enough and brave enough to express an individual opinion.

The college of today is an institution in which the ability to think and reason is being taught to thousands of young people. The ideas of free thought and liberality of opinion should be allowed to circulate and the student be given the privilege of formulating his individual opinions from these sources of information.

The day of the fear of the "isms" has passed. The terrible depression through which we are passing has taught us that there are still other means of government than our own and it is sometimes good to resort to these measures. It is foolish to attempt to stir up public feeling just because some few are courageous enough to speak and think as they please.

The Technique will in no way support any such move as was taken by another state university in expelling men because they did not desire to enroll in the R.O.T.C., they are the sons of citizens and as such can demand the privileges of enrollment in a state institution. They have a right to an opinion and the courage of their conviction is to be admired. The Technique will not support any move to stir feeling in this locality against "mythical communists" on the Tech campus and it is of the opinion that the purporters of such reports will meet with the disapproval of the entire student body.

The Technique, Georgia School of Technology.



Jawn Harvard

According to the recent poll, the finishing school up the river is the second most popular girls' school in this region. This is in spite of the fact that voters had to write in the name on the ballot. Probably if Harvard had been included in the original list, SHE would have come in far in the lead.

Incidentally, Minsky's won seven votes, reform school for girls, two votes, professional houses, two votes. Emma Rogers and Margaret Cheney were each favored with one vote. And to the surprise of everyone, Tech co-eds came in fifth, with nineteen votes. At first we had an idea that there were just nineteen co-eds in the school, but we found that the obvious explanation was not the true one.

In the society section of a Boston newspaper recently was a notice to the effect that the gay social whirl would drop a considerable number of r.p.m.'s thanks to the strenuous period of mid-years exams preventing the gallant Harvardians from acting as escorts. Tsk tsk.

Radcliffe Again

Getting back to the ballots, we find one interesting comment. One young man put a very large check against Wellesley, and a very black NO against Radcliffe. He explained at the bottom of the sheet, "I go with a Radcliffe girl."

Pure Science

Having nothing to do during a recent lecture, we made an endeavor to reduce purely biological reactions to formulae and the like. We evolved the following dissertation on ye synchronized osculation of ye man and ye maid.

"The force of attraction varies directly as the product of coefficient of attraction of the subjects, and inversely as the square of the distance separating them. As the distance decreases, the force increases at an increasingly increasing rate, reaching practically infinite magnitude as the distance approaches zero. At the moment of contact the charge is dissipated after a varying period and the procedure may or not be repeated, depending upon the remaining force of attraction.

The coefficient of attraction depends upon the mass, color, density, and motion of the subjects. Size in general must be as near as possible conforming to the general standard, but may possess some outstanding modifications. The experiment very rarely progresses unless the coefficient of attraction of each quantity with respect to the other is fairly large."

There is a large field for research in this line, and many students whether technically inclined or not, will no doubt continue to follow it up after graduation.

Sex Life—and Finals

Don't be misled by the above subhed, Gentle Reader. (We never could figure why authors called readers Gentle Readers, but we do like to conform to tradition.) As we were saying, we don't intend to emulate Voo Dog. But we've been hearing about a new creation of Tech minds. We rather take a paternal interest in it because it follows an idea which we ourselves originated when we ran a part of Professor Frank's Heat Notes in this column. We refer to booklet

Dome

(Continued from Page 1)

rectly, this would put it well out in the river.

Some Splash!

The freshmen, of course, realizing that it is beyond the scope of the 8.01 course to calculate the size of the splash which would be made or the depth to which the dome would be imbedded in the mud of the river, would probably do as THE TECH is doing, and leave it to Porf. Frank himself to calculate, if he is so inclined.

Throwing the dome into the river might seem somewhat purposeless to the P. T. exercisers. If so, there is feat they could perform which would undoubtedly please them much better.

Interplanetary Travel At Last

It has been reliably estimated that an initial velocity of 11.4 kilometers a second is required if a body is to free itself from the earth's gravitational influence, neglecting air resistance. If the freshmen were to encase Mr. McCarthy in a stream-lined container, so that the total weight was about 100 kilograms, or 220 pounds, and apply to him in a single impulse the energy expended in one term, or four billion two hundred million calories, they could give him an initial velocity of thirteen and a half kilometers a second.

Air resistance might render this insufficient, so just to be sure the P. T. ers could apply a whole year's energy at once, which would give Mr. McCarthy a velocity of twenty-seven kilometers a second, enough to carry him far, far away. If the freshmen had a budding astronomer among them, they might even calculate the path so that Mr. McCarthy would establish an orbit about the moon, Mars, the sun, or some other heavenly body. The possibilities are almost endless.

Works Two Ways

Lest it seem that Mr. McCarthy is getting the raw end of the deal in these long-distance flights, it must be noted that he would derive almost as much, if not more pleasure than the freshmen. If one year's energy were used in sending him off, it would mean that for one whole year he would not have to count and count for three hundred some unwilling freshmen, watch for chiselers, and then count some more. Which is nothing to be sneezed at, to use the vernacular.

(Continued on Page 3)

Dome

on "The Sex Life of a Lopsided Fragment." We don't vouch for the booklet or anything of the sort. But we predict that it should create a stir. We have a faint suspicion that it's being put out by the same thoughtful persons who print the 8.01 and 8.02 review notes. But time will tell.

Those Exam Solutions

Regarding those exam solutions, we think there's something pathetic about the way the freshmen spend a term or so at the Institute, and, after paying scant attention to all of the lectures, experiments and so on, buy exam solutions, attend tutoring classes, go to "sure-fire" reviews the day before, and generally try to learn a whole term's work in a few days. We've not the slightest doubt, though, that some are helped by the arrangement. (Didn't we slave for two days at a time before exams over quick reviews ages ago? and didn't we pass? Ans. Yes!!) But as we say, it still seems pathetic, now that we can stand off afar, and look at it all from the heights. But we suppose The Editors of the reviews don't object.

THE COPLEY-PLAZA

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EVERY SATURDAY AFTERNOON 4:30 TO 7

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Music by the famous
 MEYER DAVIS' LePARADIS BAND
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Boston's Unique and Superbly Modern

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Makes Cocktail Time one of life's smartest ceremonies

Brother Alpha

The Christmas Season, Brother Alpha dolefully laments, is over and done with. And a good job, too. And the best thing about its being over and done with is that the Christmas Vacation can't again torment him for another year, making life hideous.

The only merit, he says, in these annual Yulish perturbations is their Educational Value. Everything a man learns he learns in his spare time, not when he's working for somebody else. What he learns in his own time is his own, and if a man only had vacations enough, he could be Albertus Magnus or Willie Jackson or Professor Morris, whoever is maximiscient.

The only out about the only merit is that all this Vacation Lore comes through Experience, and Experience is Disillusion. Thus, to come full circle, 'tis folly to wise. And, if there were no vacations, M22, Applied, Triple E, Ec 51, and 8.01 would go on all the time, and everybody would blissfully know nothing forever and ever, term without end Amen.

But coming back, as we annually do, to Christmas Vacation, consider the irresistible and inexorable Knowledge through Disillusion through Experience. The time you burned up the Christmas tree. Then Santa Claus. Then the Useful Presents. The square yardage of gift handkerchiefs. The linear units of unwearable ties. The Bible Story books when you wanted Tom Swift, and the Tom Swift books when you wanted Tom Jones. Christmas cards from people you'd forgotten about, and no Christmas cards from people to whom you sent ten cent ones. Getting back presents you sent last year

But New Year's Eve is worse. It marks the last trip of the pitcher to the well, the last day of the frayed color, the last mile of the worn tire, the last button on the old overcoat. For years you hold on to the illusion of New Year's Eve. It's a time of joy, gayety, jubilation, hilarity, and merriment. But, Brother Alpha now wonders, is it? Did anyone ever have a really good time on New Year's Eve? Brother Alpha is eloquent in denial, and statistical. He spent all day Wednesday asking everyone who came into Walker, and 30 per cent said they never had thoroughly rejoiced in carefree abandon on New Year's Eve. They'd spent hours, dollars, and foot pounds in the endeavor, but seventy out of every hundred had never retheir New Year's investment, headaches and bruises excepted.

It took a good many Vacations to teach Brother Alpha the Hollow Mockery of It All, but from now on, he says, he'll never risk another one, even if he has to turn in his Blue Eagle. A man must have some Ignorance. Else why should he want to read?

The Week In Walker

Everybody must at least know somebody who got James Hilton his *Good Bye, Mr. Chips* for Christmas. It came in a holly-and-mistletoe wrapper, and cost \$1.25, two bits under the National Average for presents. And Alexander Woolcott sponsored it all over the jacket, an endorsement that restores one's faith in that Provincial Oracle. It is a story of a schoolmaster in England, an 85-year old Mr. Chipping of Brookfield. A schoolmaster, mind you, not a prof. A prof would have too much knowledge, not enough Understanding. The mellowness with which the tale of this charming old man is told suits him as nicely as his tea and chapel bells. Brother Alpha wonders if there aren't a few people like Chips hidden away in obscure offices at Technology. Knowing them would be an abiding education.

As tough and rugged as *Good-bye, Mr. Chips* is tender and gentle is this Albert Halper novel *The Foundry*. It is one of these *Grand Hotel* stories, about Kube, Max'l, Duffy, Slattery, Miss Weber, and all the people who work in the Ford Dearborn Electrotube Foundry, a jungle of men, machines, and hammering noise, where printing plates are made. Like *Union Square* it's real, and about as thorough a job of holding both the camera and the sound recorder up to one aspect of modern life as has been done. Lewis Gannett calls it "must-beef-sandwich reality."

Then there's a third novel, Eden Philpotts' *The Oldest Inhabitant*. If you've seen his *Play Yellow Sands*, don't bother with the novel, because the same formula was used in both. A wily, omniscient patriarch in a Devonshire village—Grandfather Thomas Otter this time—straightens out the tangled lives of his descendants. It is root beer to the neat whisky *The Foundry* and Madeira of Mr. Chips.

Freshman Writer Captures Interest of T. E. N. Critic

Article on "Filters for Color Correction in Photography" Appeals

AUTHOR IS F. B. KEMP, '37

It takes a freshman to capture our interest in the February issue of *T. E. N.* From the sublime to the ridiculous, or more aptly, from the highly sedate to the weakly rasc.

Last month it was President Compton; this month Frank B. Kamp, '37, and his "Filters for Color Correction in Photography." It is true that occasionally a word like "orthopanchromatic" rears its ugly head and grasps eagerly at the ankles of the blissfully treading reader, but even paradise is not without its pitfalls, as Lucifer learned to his sorrow.

But Lucifer is a long cry from the February *T. E. N.* (although a journalistic colleague just whispered satanically in our ear that the judges who awarded that magazine a prize must have looked only at the pictures.)

However, we would not exactly advise you to buy this issue for its pictures alone, even though they approach the excellence of *T. E. N.*'s contemporary, the *Review*. An editorial headed vaguely, as are most editorials (this in fear that the reader may get an idea what is therein contained and never read it), "Is It Worth It," is also worthy of your attention and ours.

In somewhat hazily composed paragraphs, the editors demonstrate the essence of all futilities, namely that components cannot be reconciled.

Either liberal arts or engineering must dominate in one mind, so they would seem to claim, and never the twain shall meet.

It is like the shallow cry of the poor soul who exclaiming desperately that "colleges is de bunk." It is the cry of the poor "brown-bagger," buried under a sheaf of vectors, howling because he cannot see.

In full justice to Mr. John M. Nalle of the placement bureau, we must mention his account of the doings of the bureau.

It is significant enough to quote from Mr. Nalle's article itself. " . . . we think of it (placement)," he says, "in its broadest sense; not as an emergency, . . . but rather in terms of . . . entire careers."

R. D. M., Jr.

Dome

(Continued from Page 2)

Throwing the dome and Mr. McCarthy about by no means exhausts the possibilities of applying the energy expended in P. T. The energy used in one week by one freshman would enable him to row a shell at top speed for about nine miles. Or he could walk at an ordinary pace for four hours, which would take him to any of a number of places, which you can look up on a map as well as we can.

His energy output in one year would enable him to walk to Atlantic City, with enough extra for a stroll on the boardwalk. Or the energy expended by all the freshmen in one year would enable one freshman to walk to the moon and back twice, and then to the moon again, which might put him somewhere near Mr. McCarthy.

Numerous other applications of these amounts of energy can be easily found. After all the suggestion *THE TECH* has just made, all the freshmen have to do is to find some way of concentrating their exercising energy into a single impulse of force.

September Cape Codders will have this on every deal table from Sandwich to Provincetown. But the Old Man of Barnstable will enjoy it just as much, if he can read.

The *Forty Days of Musa Dagh* by Franz Werfel is a novel of probably international importance. Musa Dagh is a mountain in Asia Minor, not a White Whale. On it a village of Armenians were besieged in 1916 by the Turks, and put up a defense against odds that is epic material. Werfel makes of it not a poem but a novel which has in it something of Valley Forge, Ladysmith, Flodden Field, Boyne Water, Verdun and Thermopylae. And yet it is still a story of individuals living through days and nights.

Tech Show

(Continued from Page 1)

ceeded the total income by about \$90. Thompson Approves Amendment James R. Thomson, '37, president of the Sophomore Class, called the new amendment a great idea. "It gives the class dances at least the support of the class treasury," he said.

Following is the wording of the amendment that was made to the uniform Class Constitution. This will become article VI and the numbers of the articles from VI to as they had stood will be moved ahead one number.

Article VI

The following regulations shall apply to all class dances with the exception of the Junior Prom or a function held in connection with Senior Week.

Section 1. The members of the Executive Committee shall automatically be members of the class Dance Committee. They may, if they desire, appoint additional members to the Dance Committee, subject to the approval of the Institute Committee.

Section 2. The Chairman of the Dance Committee must present a budget of expenses to the Budget Committee, for approval and supervision, not less than two weeks before the date of the dance. He shall also present to the Budget Committee a complete financial report not later than two weeks after the date of the dance.

Section 4. No members of the Dance Committee shall make a profit from the dance as individuals. All profits shall be turned over to the Dance Treasury. If a dance is operated under the above regulations, any loss which it sustains may be withdrawn from the class funds.

Burdell Interview

(Continued from Page 1)

which he is certain he wants to specialize. In contrast to this, an M. I. T. architect must announce his intentions at the age of seventeen although he may then know practically nothing of architecture. He may not find out that he really prefers something else until his investment has grown too large to permit a change. In liberal arts the student has a chance to contact many fields and ideas before he selects his life work.

Lighter Schedules

Professor Burdell admits that there is probably more social life at Ohio State because the pupils carry lighter schedules and have more leisure time. The numerous co-eds at Ohio State, however, do not effect classwork in any way because their presence has so long been taken for granted.

At M.I.T. there is a more cosmopolitan student body than at the western school because there are more foreign students and more Americans who have lived abroad, Professor Burdell said, and also observed a greater interest in international art and affairs at the Institute. Ohio State on the other hand, has more negro students doing professional work.

One additional comparison he made concerned the differences in the financial status of the two schools. State universities are at the mercy of state legislatures and suffer accordingly during depressions, while the income of a private institution such as M.I.T. is not affected so much by world financial fluctuations.

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GOOD LIQUOR

REASONABLE PRICES

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Antipasto or Soup

Broiled Lamb Chops

Au Gratin Potatoes

Ice Cream or Sherbert Tea or Coffee

Rolls and Butter

65 CENTS

No Minimum Charge — No Extra Charge

Sedwick Memorial Lecturer To Be J. B. S. Haldane

Famous British Author and Geneticist Speaks Here January 25

LECTURE OPEN TO ALL

Professor J. B. S. Haldane, the distinguished British geneticist and author, will deliver the twelfth annual William Sedwick memorial lecture at the Massachusetts Institute of Technology on Friday, January 25. He will speak on "Some Problems of Mathematical Biology," in the main lecture hall of the Institute at 4:30 P. M. The lecture will be open to the public.

As professor of genetics at the University of London and head of genetical research at the John Innes Horticultural Institution, Professor Haldane has made outstanding contributions in the fields of physiological chemistry, genetics, and the mathematical study of natural selection. Recently he has devoted much study to the chemistry of flower pigments in relation to color inheritance in plants. He is also well known as an author of short stories and articles of general scientific interest.

Royal Society Professor

Educated at Eton and Oxford, Professor Haldane for a number of years held a Royal Society professorship at Cambridge University. He is the son of Professor J. B. Haldane, professor of physiology at Oxford, and a nephew of the late Lord Haldane.

The Sedwick memorial lectureship was established in 1922 in commemoration of the services of Professor Sedwick to the cause of biology and public health. The lecture is delivered each year by a man of distinguished eminence in the field, under the auspices of the department of biology at M.I.T., which Professor Sedwick originated.

Prescott Heads Committee

The committee in charge of the lectureship includes Dean of Science Samuel C. Prescott and Professor Clair E. Turner of Technology; Professor Emeritus Edwin O. Jordan, University of Chicago; Professor Gary N. Calkins, Columbia University; Professor Charles E. A. Winslow, Yale Medical School; and Professor Wade H. Frost, Johns Hopkins School of Public Health. With the exception of Professor Frost, all are alumni of M. I. T.

INFIRMARY LIST

Augusto C. Arino, '38
James Calden, Employee
Arthur H. Christgau, '38
Arch H. Copeland, '38
Frank Johnson, Employee
Ralph P. Johnson, G.
Robert C. Madden, '35
John F. Michel, '38
Percy Staples, Employee

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Arnold A. Kruse, G.

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DINING ROOM

Every night except Sunday
Dinners from \$1.75
Also a la Carte

The STATLER

R-2

T. E. N.

(Continued from Page 1)

Shainin, '36, General Manager; Brenton W. Lowe, '36, Editor; and Robert E. Williams, Jr., '36, Business Manager. Members of the Junior Board are David J. Gildea, Jr., '36, Managing Editor; John C. Robbins, Jr., '37, Circulation Manager; Herbert A. Zimmerman, '37, Advertising Manager; Francis S. Buffington, '37, Treasurer; and Paul W. Allen, '37, Associate Editor.

Shainin was graduated from Erasmus High School, Brooklyn, N. Y. in 1932. He entered Course XVI in the Institute in the same year. He is a member of Tau Beta Pi, National Honorary Engineering Fraternity; Phi Mu Delta Fraternity; and the Gridiron. He has served as a member of the staff of *T. E. N.* since he was a freshman.

Editor-elect Lowe, of Fitchburg, Mass., a resident of the Technology Dormitories, has been connected with *T. E. N.* Board since he entered the Institute in his freshman year.

Williams, the new Business Manager, from Suffern, New York, a member of Phi Sigma Kappa fraternity, has likewise been a member of the *T. E. N.* staff for three years.

Guest at the banquet included President Karl T. Compton, Vice-President Dr. Vannevar Bush, Dean Harold E. Lobdell.

The Syracuse Daily Orange proposes the following toast: "To the women, who are like watches, pretty enough to look at, sweet faces and delicate hands, but somewhat difficult to regulate when once set going."

At
Harvard

THE HIGH STANDARDS OF APPAREL MAINTAINED AT HARVARD ARE A TRIBUTE TO THE GOOD TASTE OF HARVARD MEN . . . AN EVIDENCE OF THE STYLE-SENSE AND CRAFTSMANSHIP OF CAMBRIDGE TAILORS.

It is significant that outstanding college tailors, arbiters of style, endorse Kover-Zip as the only slide fastener fit for fine clothes.

Henry Gold...

famous tailors of Cambridge, New Haven and New York, say—"More and more men are demanding the slide-fastened fly with its smooth flat effect. As the uncovered zipper reveals a strip of metal, I prefer to use Kover-Zip, a finished product that serves its purpose well."

"Best-dressed" seniors at leading American colleges, men whose choice of things to wear has a national influence, prefer and commend Kover-Zip:



WARREN GRACE
Brown, 1935

"Kover-Zip merits attention from all style-conscious college men . . . it achieved perfection in a closure by eliminating the exposed strip of metal."



WALDES KOH-I-NOOR, INC.
LONG ISLAND CITY, NEW YORK

Frosh and Varsity Trials For K. of C. Meet Tomorrow

Entrants On One and Two Mile Relay Teams Will Be Picked

In preparation for the 14th annual Knights of Columbus games that are held each year in the Boston Gardens, Oscar Hedlund will hold his trials on this coming Saturday afternoon. The meet itself will not be held until January 26, but Oscar will put his boys through their paces and pick his entrants for the varsity and freshmen 1 mile relay teams, and his varsity 2 mile relay team.

In the varsity 1 mile relay event, Oscar will enter two teams; an "A" team that will race Yale, and a "B" team that will race Boston College, Harvard, Northeastern, and Holy Cross. The men for both teams will come from the following list: E. Cooper, A. Faatz, A. Greenlaw, R. Garrell, D. McLellan, W. Pultsifer, T. Blair, R. Hitchcock, S. Johnson, and N. Sabi.

The men competing for positions on the two mile open relay team are: J. Talbot, D. Chalmers, T. Oakes, W. Fitch, T. Blair, M. Jenkins and N. Sabi.

The freshmen who will compete for honors on the freshman mile relay team are: E. Brown, Jr., H. Cude, P. DesJardines, A. Clogston, R. Eddy, W. Wochus, W. Worethen. For all these relay teams, 6 men are chosen, although only four men will actually run on each team.

In addition to the above teams Oscar Hedlund will enter Henry Runkle, W. O. Nygaard, and Bob Beckman in the 50 yd. dash. Jim Thomson will compete in the high jump.

These track events will be held on the evening of January 26 in the Boston Garden at North Station, the first gun going off at 7:30. It is expected that the Tech boys will compete with such celebrated track stars as Cunningham, Venzke, McClusky, Spitz, Manning and others. Bill Bonthron of Princeton is not competing this year.

Boxing

(Continued from Page 1)

which would have been much better for the team, but unfortunately these plans fell through.

One of the highlights of this trip will be the reception and entertainment that the team will get in Washington from Columbus University. While corresponding on official business with the dean of the university, Dr. J. R. Fitzpatrick, Red Hornor has struck up a friendly correspondence with the gentleman, and a letter received by Red yesterday invites him and the entire Tech team to the annual Senior Prom to be held on the same night of the fights. When last interviewed, the entire team was heard polishing up its Yankee dialect in anticipation of the Southern invasion.

The men who will make the trip in addition to Manager Red Hornor and Coach Rawson are: 115 lb., Norton; 125 lb., Brooks; 135 lbs., Wold or Claffee; 145 lb., Lefthes; 155 lb., Wirtz; 165 lb., Casale; 175 lb., Mathesius.

Learn What
Your Grandfather
Did in College.

Read the Next
Issue of
The Tech.

SPORTS COMMENT

Although the Tufts varsity basketball team that visited the Hangar Wednesday evening could not be rated as highly as the crack 1934 Jumbo quintet that administered an overwhelming defeat to last year's Tech five, it however, was still good enough to hand a sound drubbing to the current Engineer hoop team. All of the Engineers were far from their best form with the result that the game turned out to be practically a repetition of the Harvard game earlier this season.

It is true that the visitors had the advantage in height, but the teamwork and passing that the Tech quintet displayed Wednesday would be excelled by nearly any high school group of hoopsters. The guarding by the Tech team was rather inefficient, with the Jumbos getting too many easy shots at the M.I.T. basket. When we say guarding we do not necessarily mean only the backs, but also the rest of the team, for the Tech system of defence is the man-to-man type. 25 of the winners' 47 points were scored by their guards, a fact not without significance.

The approaching exam period brings with it the usual cessation of activity in nearly all Tech sports. Coach Oscar Hedlund will supervise track workouts, especially for his relay team, during examination week and the week following, but other sport teams will discontinue practices until the next term has begun. Coach Hedlund is conducting final relay trials tomorrow to pick the quartet that will compete at the K. of C. games on the 26th.

Planning Necessary Part of City Development, Says Prof. Burdell

Speaks to Cambridge Industrial Association on Need for City Planners; Says Technology is Well Equipped to Train Them

That city planning is now a necessary part of municipal development was the theme of a speech by Professor Edwin S. Burdell, of the Institute, in a speech before the Cambridge Industrial Association last Tuesday. After explaining the use and value of city planning, Professor Burdell told how Technology is training men to enter this field. Following is an abstract of his talk.

City Planning is no longer a fad for the purpose of promoting the City Beautiful idea. It is a movement of the twentieth century comparable to the public health and public education movements of the nineteenth century. City Planning stands for a longer look ahead in planning municipal improvements. The folly of much of the public work done by relief labor this past year could have been eliminated if thousands of American cities, towns, and counties, had had well considered plans ready for the occasion.

There is much danger that much ill-advised, low-cost housing may result this spring and summer from the failure of citizens and city administrations to have a comprehension of housing in relation to the city plan, which situation will be all the worse by reason of the total absence of any city plans even today on the part of thousands of communities.

"Doubting Thomases"

Parks, parkways, playgrounds and recreational areas are too often developed without reference to the other factors in the city plan. Then if the public fails to utilize the new facilities the "Doubting Thomases" can say, "I told you so, just a frill," when really what is wrong is, not the project, but the fact that it does not fit in to the existing city pattern or into its recognizable future trend.

Zoning as a means of stabilization of growth and as a protection of residential areas from disastrous business and industrial invasions as well as the prevention of overcrowding land by stipulating the number of square feet per family required in a particular zone is a much underrated and unappreciated factor of city planning. The modest home owner, Mr. John Citizen, owes his peace of mind as well as the stability and quiet of the neighborhood more to this extraordinary exercise of the police power of the state than to all the deed restrictions and civil damage rights ever written. Boston has the unique distinction of being the first city in America to have and to uphold through the courts a zoning law involving the regulation of the height of buildings. This was in 1908. It was not, however, until a Cleveland case finally decided by the U. S. Supreme Court in 1926 that the principle of regulation of private property in the interest of the larger public welfare was firmly established.

Regional Planning

Mother Nature's treasure house, for the first time, is going to be protected

and its exploitation regulated through intelligent state and regional planning. Furthermore, human liabilities such as the dull, backward hill billys, costing a huge sum in terms of school, health and road facilities will be studied with a view of moving them into areas where they may be self-supporting and where a decent standard of living may be made available at a reasonable per capita cost. It is possible that public policy might decide to leave these backwoods people alone all together but so long as public policy demand that some minimum care be given them it might as well be given at points and in areas where the money spent will have some possibility of doing some good. What is needed is a really scientific conservation program for land, mineral and water resources and one that will be enforced with appropriate legal sanctions. Sentimental excursions into conservation of brook trout and song birds is all very well, but I suspect that they have served admirably to direct attention away from the scandalous misuse of irreplaceable natural resources including brook trout and song birds.

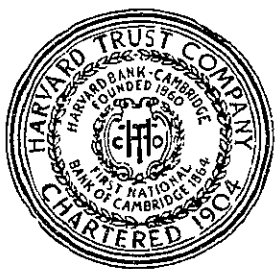
Need City Planning

Where are the men to come from who are capable of thinking in such broad terms of social and economic welfare? At present there is an altogether too small supply of experienced city planners to cope with the emerging public support of planning in all of its varied phases. Technology is peculiarly well equipped to furnish men educated in the fundamentals of engineering design, economics and sociology, who will, after a period of apprenticeship training in the field, be capable of taking their places with the pioneers in this thrilling opportunity of shaping man's environment to a more adequate common life and for a nobler end.

Seventeen men from fifteen different states are at present students in city planning at Technology and receiving the best training that the educational world has to offer.

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T. C. A. Is Host To Foreign Students

Plan to Banquet 225 In Walker Tomorrow Night. Dr. T. Z. Koo Will Speak

Dr. James L. Tryon, Registrar of the Institute, will extend a welcome on behalf of Technology to the guests of the T.C.A. at a Foreign Students' banquet in Walker Memorial on Saturday, January 19, at 6:45 P. M. Faculty members and their wives, together with American and foreign students in greater Boston are invited. Representatives from several New England colleges will be present.

The principal speaker will be Dr. T. Z. Koo, student Y.M.C.A. secretary for China. Other speakers will be Mr. Luther Tucker who attended last summer the annual meeting of the World's Student Christian Federation in Europe, and Miss Jean Hastings of Mt. Holyoke. H. Y. Fan, President of the Chinese Club will greet the guests on behalf of the club.

Banquet tickets are one dollar each and may be obtained either in the T. C. A. office, or at the door. Dress is informal.

Dorm Dance

(Continued from Page 1)

Sign-ups for this fifth annual Dormitory Dinner Dance have been taken rapidly, the committee announced, but there are several tables left. These may be secured in the Dormitory Committee Room this evening between 8 and 9 o'clock.

After the dinner, a reception will be held in the Trophy Room. In the receiving line will be President and Mrs. Karl T. Compton, Vice-President and Mrs. Vannevar Bush, Dean Harold E. Lobdell and his mother, Mrs. Catherine Wiswell; Dean and Mrs. Mary M. Goodwin; Treasurer and Mrs. Horace S. Ford; Professor and Mrs. Leicester F. Hamilton; Professor and Mrs. James P. Jack; Professor and Mrs. Robert E. Rogers; and Dr. Avery A. Ashdown.

"Did anyone see my dog?" was the watchword of the Purdue bacteriology department recently when a small black dog escaped from an animal house on the campus. The animal was inoculated with rabies virus. Signs of relief were evident when the animal was found at a fraternity house. It was not the loss of the dog, but the danger of an epidemic that was feared.

Vocational Guidance Suggested to T. E. N.

T. M. White, Boston Publisher Speaks at Dinner

Trentwell Mason White, author and prominent Boston publisher, and principal guest at the Technology Engineering News dinner held last evening at the Hotel Sheraton, suggested an institution for vocational guidance in present-day education.

This new plan of education demands that the student go two years to a college of liberal arts, then qualify for entrance in the vocational school by examination. The student would take examinations in all fields so that his qualifications for the field in which he is most capable might best be determined. He would then pursue this course for the next three years.

The vocational institution would be connected with the school in which many men of industry would come in and act as teachers.

Edge of Precipice

"The present students coming out of college," he visualized, "stand on the edge of a precipice and jump at lights which rest on the opposite shore. Of those who did jump out at the light representing engineering," he went on, "approximately 67 per cent never reach the 'light'. Of the rest, many fall into the chasm and many others attach themselves to vocations which are but vaguely allied to their original fields."

"Only 10 per cent of those at the banquet would go into the field that they now thought they could," he ventured.

Mr. White regretted that many youths are turned aside from their original intentions and aptitudes to write by their parents and teachers and that they force themselves into a vocational training system when they really don't know what they want.

The subject of a survey made by some embryonic statisticians at San Francisco College was the profound matter of cigarette stubs gathered up by the janitors after the dance. 765 scarlet tipped butts were discovered, in contrast with 665 that were not scarlet tipped, showing clearly what happens to that package of cigarettes you buy before a dance. There were 230 stubs which, it was decided after much thought, must have belonged to football men who thought they saw the coach coming.

Canada has only 23 recognized colleges as compared to 630 in the United States. Its largest college is the University of Toronto with 7,957 students. The largest one in this country is Columbia with a total of 30,588.

JORDAN MARSH COMPANY 34th BIRTHDAY SALE

Friday!

JUST 200

Men's Felt Hats

Sale priced at

\$3.30

Browns, greys in shades and styles sound for Spring! You'll want at least one, at \$3.30

Regularly \$35

Copley Suits and Overcoats

Sale priced at

\$24.75

Usually \$45 to \$65

Men's Overcoats

Sale priced at

\$34.50

HATS—STREET FLOOR—COATS AND SUITS—SECOND FLOOR—STORE FOR MEN

New Business Manager, Editor, Managing Editor of THE TECH



Ralph D. Morrison, Jr., '37



Richard L. Odiorne, '36



Anton E. Hittl, '36

The Tech

(Continued from Page 1)

Blake, and Lawrence R. Steinhardt.

The principal speaker of the evening was Carroll Swan, editor of the *Old Farmer's Almanac* and former advertising manager for many eastern newspapers. Mr. Swan pointed out the various media of advertising a prod-

uct, illustrating his talk with experiences from his life.

Professor Frederick G. Fassett, Jr. introduced the Advisory Council on Publications, consisting of Dean Harold E. Lobdell, A. W. K. Billings, Stanley Fitch, James R. Killian, Jr., and Professor Fassett.

Arthur W. Walker, '32, first Editor of THE TECH, was introduced and presented THE TECH with a medal which

he wore on his R.O.T.C. cap while at Technology.

Elwood H. Koontz, the new General Manager, was Advertising Manager for THE TECH during the past year. Richard L. Odiorne, the new Editor, was a former Features Editor for THE TECH. Anton E. Hittl, the new Managing Editor, was the Assignments Editor of THE TECH during the past year and general manager of *Benchmark*.

Ralph D. Morrison, Jr., the new Business Manager, was former Personnel Manager for THE TECH and is a member of the Institute Committee's special committee on elections as well as a member of Dramashop.

The Associate Board during the coming year will include the following: Joseph A. Smedile, Sports Editor; Robert E. Katz, Features Editor; Albert A. Woll, Personnel Manager; Elmer C. Wirtz, Jr., Assignments Editor; Arthur M. York and Richard G. Vincens, Desk Editors; Sherman A. Rose, Circulation Manager; James G. Loder, Advertising Manager; Allan I. Roshkind, Associate Advertising Manager; Walter T. Blake, Business Service Manager; and Lawrence R. Steinhardt, Photographic Editor.

The new staff will begin its duties with the next issue of THE TECH, which will come out the first of next term.

UNDERGRADUATE NOTICE

The T. C. A. Ticket Service announces that there will be a representative from the Whitcomb Travel Agency in the back office of the T. C. A. from 12:30 to 1:30 P. M., beginning January 17 and ending Wednesday, January 23. (exclusive of Saturday and Sunday.) Reservations and information can be obtained from him at this time.

Also, the usual T. C. A. Passenger-driver service will be in effect. Blanks will be in the office.

Pilot J. K. Lacey Saw Storm Coming

Skirts Approaching Cloud in Weather Flight Yesterday

That yesterday's storm approached in a cloud so dense that it could be seen by airplane pilots was one of the unusual facts observed by Lieutenant J. A. Lacey, one of the two pilots who makes the daily weather flights in the M. I. T. plane. As the storm approached Boston, he went up 15,000 feet through several layers of clouds, and ice formed on the wings and propeller of the ship soon after he began climbing.

Skirts Storm Cloud

The storm cloud was so clearly defined that it was possible for Lacey to skirt the front of it and make the usual observations. The unusual aspects of the flight were that there were only minor temperature changes between the ground and ceiling. The storm came from the southeast.

Michigan State allows class cuts after 2 P.M. on the day of a major dance up until noon of the following day.

It seems that the world's dirtiest window is located in the main building of City College. Scrawled on the dust of the pane is, "Have these cleaned—Abe Cohen—1817."

IF YOU FEEL
WORN OUT —

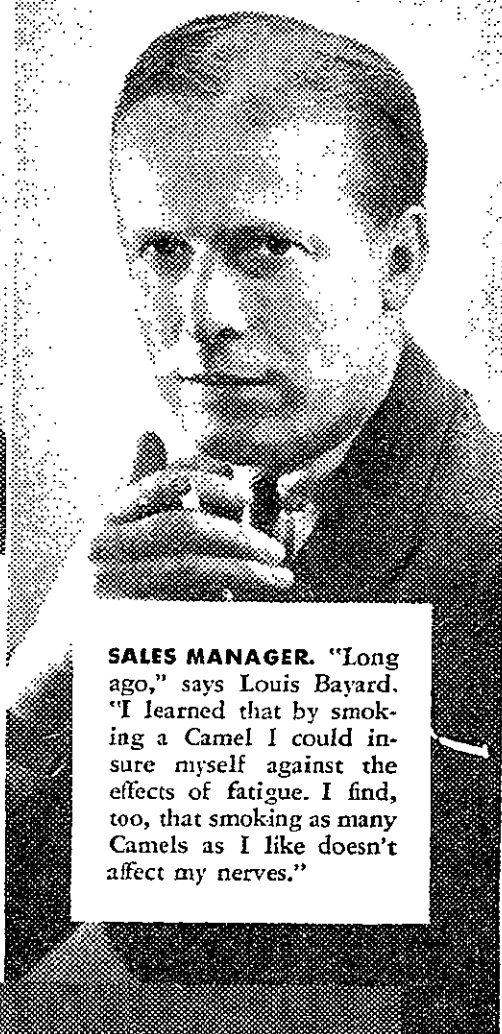
GET A LIFT
WITH A CAMEL!



EDWIN BOYD, '35—Engineering Student:
"An engineering field trip is enough to tire out anybody. When I'm lugging a transit and tripod across rough country...taking the hills as they come...fighting through brush and woods...I'll admit I often get tired clear through. No wonder you'll find me smoking a Camel most of the time. For I've learned that a Camel restores my energy—cheers me up—makes the miles ahead seem easier. And why not enjoy a Camel whenever I want one—Camels never get on my nerves!"



NEWSPAPER MAN. Ray Baker says: "Whenever I feel 'all in,' I can quickly restore my energy with a Camel. Camels bring back my pep. For over ten years I've preferred Camels. They have a rich, distinctive flavor that suits me."



SALES MANAGER. "Long ago," says Louis Bayard. "I learned that by smoking a Camel I could insure myself against the effects of fatigue. I find, too, that smoking as many Camels as I like doesn't affect my nerves."

ALL TOBACCO MEN KNOW:

"Camels are made from finer, More Expensive Tobaccos—Turkish and Domestic—than any other popular brand."



TUNE IN ON THE NEW CAMEL CARAVAN

featuring GLEN GRAY'S CASA LOMA ORCHESTRA
WALTER O'KEEFE • ANNETTE HANSHAW

TUESDAY { 10:00 P.M. E.S.T.
9:00 P.M. C.S.T.
8:00 P.M. M.S.T.
7:00 P.M. P.S.T. **THURSDAY** { 9:00 P.M. E.S.T.
8:00 P.M. C.S.T.
9:30 P.M. M.S.T.
8:30 P.M. P.S.T.

OVER COAST-TO-COAST WABC-COLUMBIA NETWORK



GLEN GRAY

CAMEL'S COSTLIER TOBACCOS
NEVER GET ON YOUR NERVES!

With The American College Editor

A CHALLENGE TO EDUCATORS

Over a period of six years, the Carnegie Foundation, under the direction of Dr. William Learned, has been conducting the celebrated Pennsylvania Study. It is an impartial scrutiny into the advances of collegiate education—an analysis, a cross-examination of "is all this work worth while?"

The Foundation has initiated a ques-

tionnaire to determine just how much college students know. Among the tests was a simple vocabulary drill in which words and their synonyms were to be associated and defined.

The results were startling.

Of the one hundred ordinary words used in common conversation, the average senior knew sixty-one. The average freshman knew fifty-nine, the former gaining only five in three years of "hard study." A student out of the lower quarter of the test recognized only twenty-three words, among which were these: lenient, baffle, accord, tender, immerse. The word "declivity" was said to mean "climate" and "culpable" to mean tender.

"American education," says Dr. Leonard, "is administered in isolated packages of specific ideas, segregated for the time being in self-contained 'courses,' elected semester-wise and cut off by examinations and 'credits' from any other living connections."

The Foundation has not erred in its judgment. The great mania for a college degree began with the Great Boom in the days of false prosperity. "The full dinner pail" and "two chickens in every pot" slogans so frequently heard when an uninformed American public went stock crazy were

broadened to include the slogan of "two college degrees in every home." A college degree is not only all right—it is practically essential. But it is wrong to work, spend money, and idle around four years to get a degree just to boast of having one.

The Carnegie poll in more than forty colleges shows that tendency. It is now fashionable to have a degree. But what do you have after you have it? Do you have a bundle of information that means nothing when correlated with actual problems? Do you have a badge signifying that you have over a period of four years managed to cram and pass examinations?

It is going too far to say that the American educational system has failed. But it is not going too far to say that it is failing in some respects.

The well-rounded, liberal education that built up the American Commonwealth is gradually being junked for the specialized, technical education. Courses in stock market technique and stocks and bonds now get preference over the liberal courses of government, English, and history. The reason? A mad scramble for wealth. "The average student," one critic says, "will not study history and English fervently because 'they won't make him a

dime."

There is a need for specialists and experts. But the great expert is the one who combines his technical training with the balanced mind. They go hand in hand.

It is the problem of educators to combine the two. Then mass production will be intelligent education—education that will solve depressions and produce justice in a state.

—The Daily Texan.

What They Say

THE POWER FOR PEACE

By President Roosevelt

In an Address Delivered at the Annual Dinner of the Woodrow Wilson Foundation.

If you figure the world's population at approximately one billion and a half people, you will find it safe to guess that at least 90 per cent of all of them are today content with the territorial limits of their respective nations and are willing further to reduce their armed forces tomorrow if every other nation in the world will agree to do the same thing.

Back of the threat to world peace lies the fear and perhaps even the

possibility that the other 10 per cent of the people of the world may go along with the leadership which seeks territorial expansion at the expense of neighbors and which under various pleas in avoidance are unwilling to reduce armament or stop rearmament even if everybody else agrees to non-aggression and to arms reduction.

If this 10 per cent can be persuaded by the other 90 per cent to do their own thinking and not to be led, we will have practical peace, permanent peace, real peace throughout the world. Our own country has reduced the immediate steps to this greatest of objectives to practical and reasonable terms.

The First Church of Christ, Scientist

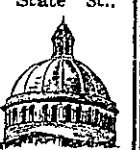
Falmouth, Norway and St. Paul St. Boston, Massachusetts

Sunday Services 10:45 a.m. and 7:30 p.m.; Sunday School 10:45 a.m.

Wednesday evening meetings at 7:30, which include testimonies of Christian Science healing.

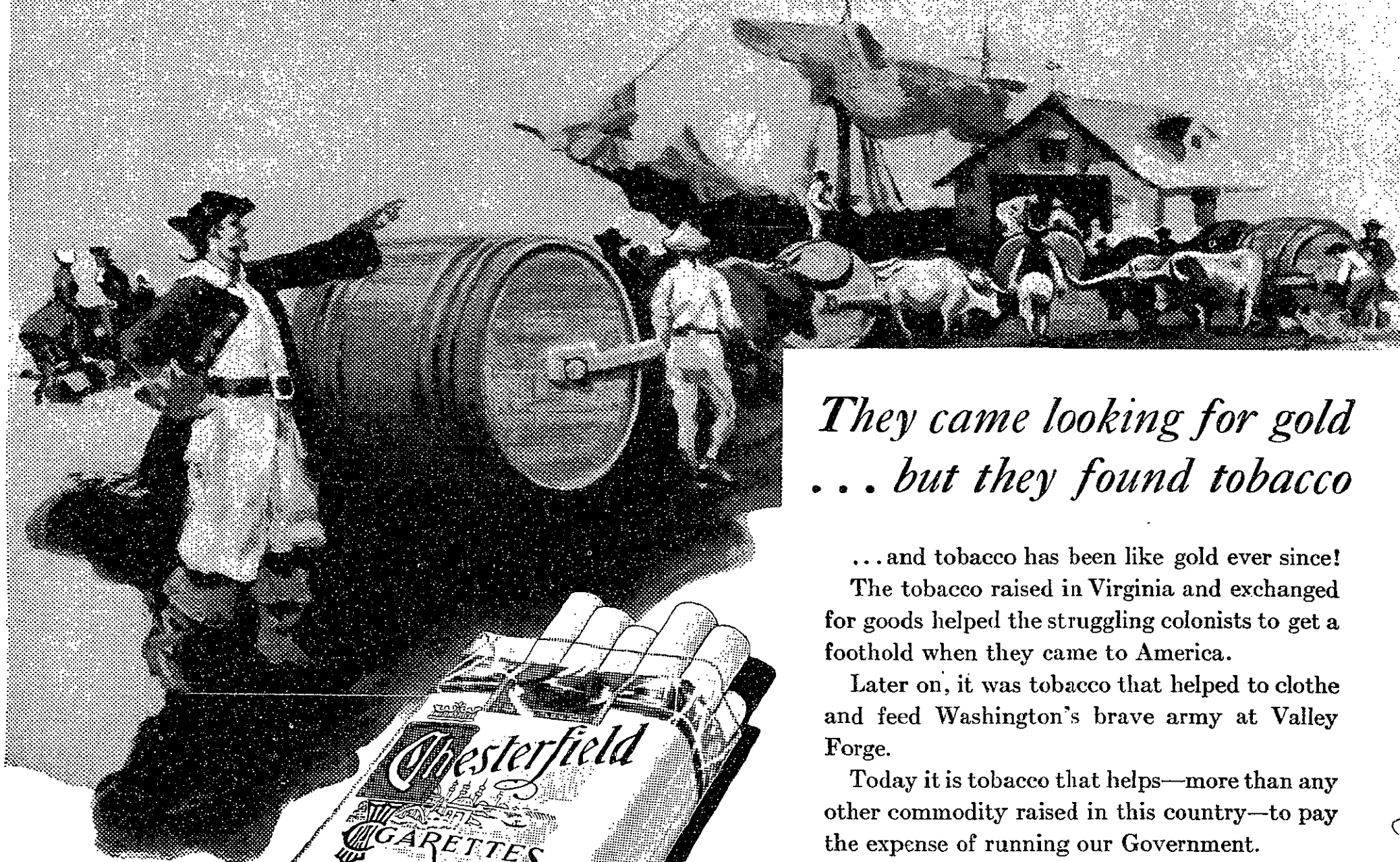
Reading Rooms—Free to the Public, 209 Washington St., opp. State St., Statler Office Bldg., Park

Sq., 60 Norway St., cor. Mass. Ave. Authorized and approved literature on Christian Science may be read, borrowed or purchased.



—so far as we know tobacco was first used about 400 years ago

—throughout the years what one thing has given so much pleasure...so much satisfaction



Early Colonial planters shipped hundreds of pounds of tobacco to England in return for goods and supplies.

They came looking for gold
... but they found tobacco

...and tobacco has been like gold ever since!

The tobacco raised in Virginia and exchanged for goods helped the struggling colonists to get a foothold when they came to America.

Later on, it was tobacco that helped to clothe and feed Washington's brave army at Valley Forge.

Today it is tobacco that helps—more than any other commodity raised in this country—to pay the expense of running our Government.

In the fiscal year 1933-34 the Federal Government collected \$425,000,000 from the tax on tobacco. Most of this came from cigarettes—six cents tax on every package of twenty.

Yes, the cigarette helps a lot—and it certainly gives men and women a lot of pleasure.

Smokers have several reasons for liking Chesterfields. For one thing, Chesterfields are milder. For another thing, they taste better. They Satisfy.