

HOOPMEN JOURNEY TO NEW HAVEN FOR CONTEST TONIGHT

Eight First-Squad Men Make
Trip to Battle Yale
This Evening

McCLINTOCK NOT TO PLAY

Coach McCarthy Plans to Give
Yale Hardest Game on
Its Schedule

In an effort to put Technology in the upper half of the percentage column, Coach McCarthy will lead his quintet to New Haven this morning, where they will meet the Yale five tonight at 8:30. To date, the Technology outfit has won two and lost two encounters, and tonight's results will probably go a long way in indicating the final record of the team.

Yale has the best team she has had for the last three or four years, as her recent victories over Penn and Dartmouth would indicate. After putting the squad through a light workout Mac was quite confident last night that Yale would have the hardest game of the season on her hands. Norm McClintock was the only regular missing from the squad, and he will not accompany the team today.

Eight men will make the trip. This seems like a very small number for such an important game, but the Technology outfit seldom uses three substitutes an evening, and it is possible that all eight may not play. Bernie Brockelman will take McClintock's place at center, and should do as good a job there as Norm usually does. The latter is still bothered with a bad
(Continued on Page 3)

T.C.A. Will Hold Mid-Year Outing For 30 Freshmen

Three-day Trip to New Hampshire Mountains Now
Being Planned

Technology's Christian Association has again taken the lead in the endeavor to bring the members of the freshman class together at an outing which will be held between terms. This outing is to be held at "The Ark," Jaffrey, New Hampshire, and will last from Feb. 1 to Feb. 4.

A meeting of the T. C. A. Cabinet was held last night and the project of having the mid-year outing was voted upon and accepted. M. Richard Boyer '29, manager of the Information Division of the T. C. A. has been writing to the various hotels of the winter resorts and finally it was agreed that the offer from the "Ark" was the most reasonable one.

The new outing which is being planned is in the nature of an experiment. If it proves successful it will become an annual event and will be
(Continued on page 4)

Two Tin Lizzies Have Hell-Raising Contest

Screech! Bang! Bang!—and other expressions of inferno. No—it was not the Cambridge fire department—they could not make that much noise. Two flivver owners, while parked in the Institute grounds near entrance 69 yesterday noon drowned out all the other noises in town, including the factory whistles when they staged a competition to see which of them could blow their exhaust whistles the loudest.

The two contestants were owners of a roadster and a touring car respectively, and since all the witnesses were deafened after the first blasts, the affair was called a tie until the owner of the touring car brought into play the faculty which his chariot possessed of backfiring at any time. He would "press the button." That was too much for the opposition, and vanquished Lizzie humbly rattled its way home.

Record Size Issue of THE TECH Monday

Reserve your copy of THE TECH for Monday. On that day the issue of THE TECH will be a special one of from twelve to sixteen pages dedicated to a GREATER TECHNOLOGY. The old will be contrasted with the new. Special features on the three new buildings now nearing completion will be run. Stories of Technology in the "Gay Nineties" and even as far back as the "Joyful Sixties" written by Institute professors and graduates who were just "some of the 'studes" in those day will comprise some of the main attractions.

Pictures will be abundant and the Lounger will have an ultra-Lounger satiric, or call it what you may, which he has been saving up for two weeks. Over 3000 copies of this issue will be mailed gratis to alumni.

ROBBINS TALKS TO CORPORATION XV

Members Will Leave on Trip
To New York Monday,
January 30

A meeting of the members of Corporation XV was held in the Grill Room of Walker Memorial from 6 to 8 o'clock last night. The principal speaker for the evening was Donald G. Robbins '07, the head of the statistical and engineering departments of Hornblower and Weeks. Mr. Robbins spoke on the subject, "Engineering in Investment Banking." About thirty-five men were present at the meeting.

At present the Corporation has been making arrangements for its trip to New York which will be held within the next few weeks. On the Monday morning after the termination of the Mid-year examinations the members will go to Hartford, Connecticut, by bus where they will visit the business place of Pratt & Whitney. From there they will travel to Bridgeport where they will visit the Bridgeport Brass Co. and the building of another company. That evening the party will go on to New York where they will spend the next three days, Tuesday, Wednesday, and Thursday. While there they will visit the large department store of Lord & Taylor, the Advertising agency of J. W. Thompson, the Grand Central Terminal and the Hudson Power Plant of the Brooklyn Edison Co. From there they will go to Orange, New Jersey, where they will visit the Monroe Calculating Co. This concludes the schedule of the trip. The total cost per man will be a little less than \$20 which does not include the return trip or the cost of the meals on the trip.

SCABBARD AND BLADE HAS MILITARY BALL

Scabbard and Blade, the honorary military student society, will hold a Military Ball at Rogers Building on Tuesday, February 21. There will be dancing from 9 o'clock until 2 o'clock. As yet the name of the orchestra which will furnish the music has not been announced. Tickets for the affair will be \$2 per couple.

VOO DOO ANNOUNCES ELECTIONS TO STAFF

Reports from the Voo Doo office state that "Phosphorous takes great pleasure" in announcing elections to the staff of the comic magazine. The following have been elected to the literary department, R. W. Hawkesley '31, J. R. Nason '30, and R. W. Reynolds '30; to the art staff, J. D. Murphy '29, F. L. Markham '30; to the business department, B. F. Kenney '30, C. E. Vanderwarker '30, P. Torchio, Jr., '30, and R. W. Reynolds '30.

Phos also releases the latest elections to his honorary society, the Woopgaroo. Everett S. Cofran '28, art editor, and George M. DeCamp '28, circulation manager, were announced as the successful candidates at the society's dinner meeting last Saturday night.

ADVISORY COUNCIL GUARANTEES \$300 TO BASEBALL TEAM

Action Does Not Imply That it
Will Recognize Beavers
As Varsity Team

TEAM HAS BIG SCHEDULE

After considerable discussion last night the Advisory Council on Athletics voted to guarantee \$300 to the Beaver Baseball Team to make up the deficit which a report showed would be incurred by playing the present tentative schedule as drawn up by Manager Hugh Hamilton, Jr., '29.

Due to the favorable showing made by the team last year in its scheduled games, and the comparatively large amount of enthusiasm which it roused among the students as compared with the other sports at the Institute, this large expenditure of money was deemed advisable by the unanimous consent of the body even though it would mean a considerable curbing of their activities throughout the remainder of the school year. The total amount of the budget comes to about \$600, but the net expenses are brought down by the guarantees from some of the colleges which the Beavers play.

In spite of this action the Council went on record as stating that this was in no way a preliminary step towards the recognition of the Beavers as a Varsity Team. In fact, it was definitely stated that the Advisory Council would not recognize the Beavers this season. The reasons for this were that, being only one year old, the sport is as yet practically untried at Technology, and the interest in it has not been proved to be more than momentary.

This year the team has a schedule which is a decided improvement over that of last year. As drawn up at present, the Beavers will have games with Boston University, Boston College, Lowell Textile School, and Tufts College.

Last year a considerable amount of money was raised through the sale of season tickets by the members of the team. However, this is absolutely contrary to the rulings of the M. I. T. A. A. and the Advisory Council on the financing of athletics at Technology, so that the team will be unable to raise any money by that method in the future.

COLLEGE EDUCATION IS WORTH \$72,000

Is Good Business Proposition,
Says U of Chicago Alumnus

From the viewpoint of a business man a college education is, financially, if in no other way, well worth the time, money and effort spent in obtaining it. \$72,000 is the estimate of its value as given by Y. Schnering, president of the Baby Ruth Candy Company, who is an alumnus of the University of Chicago. This is a profit of 1,200% on an original investment of \$6,000, which is the average total cost of a four year's course in college. Deducting the cost of the education itself, the student adds to his future income at the rate of approximately \$15,000 a year during the time he is in college. As classes are held only five days a week this means potential earnings of \$70 a day to the student for each day spent in the classroom.

"A college education is not only very essential in modern business but highly profitable, if the student spends his time in real study," says Mr. Schnering. "The average annual income of a high school graduate is \$2,000 and that of a college graduate \$6,000. This gives the college graduate a lead of \$72,000 over the high school youth. This is the age of specialization and scientific management in business, in which a college education is becoming almost an absolute necessity."

MECHANICAL SOCIETY WILL HEAR STEVENS

"What a Mechanical Engineer Ought to Know" will be the subject of Mr. J. A. Stevens in his talk to the Mechanical Engineering Society in Room 3-370 at 7:30 o'clock Friday night. Mr. Stevens is a prominent Mechanical Engineer of Lowell and is well qualified to present his subject.

LT. HEGENBERGER '17 WILL ADDRESS FRESHMAN CLASS AT FIRST SMOKER TONIGHT

Aviator Who Speaks At
First Freshman Smoker



Lt. A. F. Hegenberger '17

101 GET DEGREE AT END OF TERM

Corporation, Faculty Heads
Meet at Luncheon for
First Time

At the joint luncheon of faculty heads and the members of the Corporation of M. I. T., which was held last week, the awarding of 101 Institute degrees to students at the end of this term was approved. Of these degrees, 78 were for Bachelor of Science, and the remainder, graduate awards, 19 were for Master of Science, two for Doctor of Science and two for Doctor of Philosophy.

Last week's meeting was the first occasion in the history of Technology in which the Corporation and faculty have convened together. The affair was in the form of an informal lunch to which the Corporation invited all the Heads of Departments, and all full Professors.

Bill Haines, coach of crew, was invited to attend this meeting of the Faculty and Corporation. President Samuel W. Stratton invited Haines to come to the meeting and later on in the week he invited him to attend the Saturday evening. Haines was in Alumni Banquet which was held last night to these meetings as the unofficial representative of the sports at the Institute. Since he is neither a member of the Faculty nor an alumnus of the Institute this seems to signify the fact that the Institute authorities recognize the increasing importance of athletics at Technology and believe that they should be represented and given more consideration.

DECIDE ON SENIOR CLASS RING TODAY

Class Officers to Hold Meeting
In Committee Room

Which company shall make the Senior Class ring this year, and what design shall be, will be decided upon finally by the Executive Committee of the class at their meeting in the Institute Committee Room of Walker this afternoon at 5 o'clock.

Last year was the first time that any class had an official ring at Technology. At that time an attempt was made to have the ring which the Class of 1926* adopted as the standard class ring for Technology, but because the action was taken up at a very late date nothing was done. This year the Seniors are attending to the matter of a class ring much earlier in the year.

In addition a committee will be picked to make arrangements for the traditional Senior Class Endowment insurance.

LIVELY PROGRAM OF EVENTS WILL START AT EIGHT

Dr. Stratton Will Introduce
Speaker and Denison
Will Play

BAND WILL ENTERTAIN

Final arrangements for the freshman smoker to be held tonight were made at a meeting of the officers and section leaders on Monday night. The smoker will be held in the Main Dining Hall of Walker Memorial and the program will begin at 8 o'clock. Lieutenant Albert F. Hegenberger '17 will be the principal speaker of the evening. The Lieutenant was a speaker at the Alumni banquet last Saturday evening and from there he left to return to Langley Field. He will arrive back in Boston today and will be present at the smoker this evening.

Kenneth Smith has charge of getting tickets for the smoker and at the meeting on Monday evening they were distributed to the different section-leaders. Tickets were sold to the members of the freshman class all day yesterday and will still be on sale today. In addition to the distribution of tickets to the various sections, tickets will be on sale all day today at the entrance to Building 2. These tickets can be purchased for twenty-five cents and all freshmen are urged to buy tickets and to support the first get-together meeting of the class this year.

The entertainment committee for the smoker has been working very hard to arrange a program. The result has been most satisfactory. The R. O. T. C. Band will be the first number of the program and will begin by playing several popular airs and marches. The band will also play various selections during the remainder of the program. Robert B. Freeman, President of the freshman class, will then give a formal speech of welcome to the class and its guests. He will introduce President Samuel W. Stratton who will address the assemblage. At the end of his speech Dr. Stratton will introduce the principal speaker of the evening, Lieutenant Albert F. Hegenberger '17.
(Continued on Page 4)

WILL HOLD FORMAL DORM DANCE FRIDAY

Collegian Ramblers to Furnish
Music for Affair

Mrs. Leicester F. Hamilton has consented to be matron of honor for the first formal dormitory dance of the school year, which will be held in North Hall, Walker Memorial, on Friday night, it was announced last night. Dancing will start at 8:30 and last until 1 o'clock.

Music for the affair will be furnished by the Collegian Ramblers, the Cambridge orchestra which aroused such favorable comment at last year's first term formal. It is intended by the committee in charge to limit the attendance to 75 couples. After the demand for tickets in the dormitories has been satisfied, any left over will be offered to the general student body tomorrow in the Main Lobby. Tickets are two dollars per couple.

CALENDAR

- Wednesday, January 11
- 8:00—Freshman Smoker in Main Hall, Walker
- 8:00—Meeting of the M. I. T. Mathematics Club, North Hall, Walker
- Friday, January 13
- 7:30—Mechanical Engineering Society meeting, Room 3-370
- 8:30—Dormitory Dance, North Hall, Walker
- Saturday, January 14
- 2:00—Handicap Meet, Board Track
- 8:00—Swimming Meet with Worcester Tech at the University Club
- 8:00—Varsity Basketball Game with Wesleyan in the Hangar Gym
- Tuesday, January 17
- 8:00—Varsity Basketball Game with Northeastern in the Hangar Gym
- 8:15—Whiting Concert, Room 10-250

A Record of Continuous News Service for 46 years



Official News Organ of the Undergraduates of M. I. T.

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Walker Memorial, Cambridge, Mass.
News and Editorial—Room 3, Walker, Telephone Univ. 7029
Business—Room 302, Walker, Telephone Univ. 7415
Printer's Telephone—HAN cock 8387
SUBSCRIPTION PRICE, \$2.50 PER YEAR
Published every Monday, Wednesday and Friday during the College year except during college vacations
Entered as Second Class Matter at the Boston Post Office
Member Eastern Intercollegiate Newspaper Association

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COURSES THAT GRIPE

SO DEEP has become the rut of Institute curricula that at the present time students are inclined to look upon the standard courses offered or required, simply as necessary, unchangeable evils. They may slander the professors under whom they needlessly flunk, or blaspheme the fair name of Technology, but not for a minute would they think that perhaps something was wrong about the teaching methods—a wrong the professors might be only too glad to remedy, once their attention was called to the fallacy.

Sensing possibly something of the same stagnation at Hanover "The Dartmouth" has circulated among its student body a number of questionnaires concerning certain of its prominent courses. Students were thus given a chance to air their views on the Faculty in general and upon the methods of teaching the courses, with the knowledge that their opinions would be published and so reach the erring instructors. It is a rather pertinent fact that few of the subjects were unanimously praised, and that all the criticism was with serious intent and in several cases struck immediately upon the basic weakness of those that were most unsatisfactory.

Here at Technology, possessing as we do so few of the plastic, liberal courses, we are necessarily placed under the concise limitations of purely technical studies; these courses, naturally, cannot be moulded to include such varied interests as each class might desire, simply because of the necessity of first becoming thoroughly grounded in the basic principles of that particular subject, which in itself generally takes more than the allotted time.

Yet there must be some cause, and hence some remedy, for the undercurrent of undergraduate grumbling over the way many of the major courses are conducted. That there exists some sort of failing in the present system might be drawn from the fact that students getting marks far below passing in regular class-room work learn enough in a few tutoring lessons to pass the course with ease. If this difficulty could be removed through the use of much the same system, we feel it would be well worth whatever effort and breaking of traditional stagnation would be necessary.

Before taking any definite action we would prefer to discuss the matter more carefully, both from the standpoint of what courses to include in the questionnaires, and of the most inclusive method of conducting this interesting campaign. We hope that anyone who may be nursing pet grievances against the present methods, or who has constructive criticism to offer will not be backward in letting us know about them.

Dartmouth Paper Publishes Synopsis Of Undergraduate Course Criticisms

Editor's Note: The following criticisms of the Dartmouth courses are taken from a second group published in their undergraduate paper, The Dartmouth. Each printed criticism is the synopsis of a questionnaire circulated among the undergraduate body. We are printing them to show the type of thing we are contemplating in today's editorial, "COURSES THAT GRIPE." Incidentally this list shows the decided difference in undergraduate curriculum between an engineering school such as our own and a typical arts college.

"Political Science 1-2. American Government
"Political Science 13. Comparative Government
"Public Speaking 11-12. Elementary Public Speaking

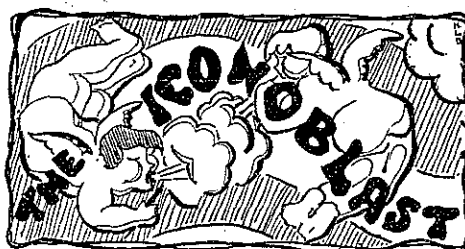
government. Presentation of the course elicits both praise and condemnation; too methodical, intolerance of the poorer students and very prejudiced are some of the criticisms.

"The organization and present operation of the chief governments of Europe with brief consideration of the newer European states. Prerequisites Courses 1-2 or 11-12.

"The excess number of quizzes and lack of class discussion are the faults found with this course which is called broad in its scope requiring generalities in exams.

"Designed to give students the fundamental principles of speech preparation and to help them acquire a simple, direct manner of speaking. Conferences. Prerequisites: English 1-2 Course 11 required for course 12.

"A good course—easy but of practical value as an eliminator of self-consciousness in speaking," sums up (Continued on page 4)



Ikey at last has found a fit subject for a thesis. Since vacation he has been busy classifying the students of this institution by the way they light their cigarettes. At least ninety percent of the nicotine hounds that parade our honored corridors must have found in the toe of their Christmas stockings, where the hole usually is, a cigarette lighter of more or less intricacy. Since everything else has been used at some time or other for an indication of character, Ikey feels that he should at least introduce character reading by lighters.

First there are the ultra elite models equipped with windshields, spare tires, automobile starters, merely press the button and all the other features of a Rolls Royce. These indicate extreme indolence mixed with a nature which likes "nice things." The purveyors of blind dates run to this variety. Then there is the model with most of the shellac off, that smokes almost as much as its lord and master. It is cranked by hand, and sometimes it works, but more frequently it doesn't. This model has taken the place of the collegiate car since insurance wiped that out. Needless to say, it belongs either to that far famed ultra-collegian who used to drive the car, or else to the scientist of an experimental nature. The scarce gentlemen who duck around some convenient corner to secretly light a cigarette with a match are the semi-corrupted brown baggers who have succumbed to lady nicotine. These brief descriptions should be sufficient to start any prospective psychoanalysts on the right trail where a more detailed system can be worked out.

Ikey is praising his stars that there are such generous individuals among the faculty members. One of the latest cases of extreme generosity which has been unearthed are those professors who are giving hour quizzes the last class this week and then are giving half hour quizzes next week as hour ones are prohibited where there is a final in the course. It is beyond Ikey's comprehension how such self-sacrificing individuals can go to the extra work of making up and correcting quizzes so that the boys will have a chance to raise their grades.

What a reputation these Tech boys have even in their own country! One of our noted organic chemistry professors who passes around samples of many vile smelling liquids during his lectures, refused to pass a certain sample around because, as he remarked, it was fairly expensive. If the professor's insinuations have anything for foundation, Ikey thinks the Institute should operate on a diamond mine basis, with strict investigation of both person and baggage on entering and on leaving. That should decrease the deterioration of Institute property.

PRINCETON STUDENT WINS BET WITH PROF

Roland S. Finley, undergraduate at Lafayette college, who recently wagered a good cigar with Professor Miller D. Steever that he could get a job at manual labor in New York City within 24 hours of the time he set out looking for it, without using special influence to get it, has won his bet.

Finley came back from New York and presented Professor Steever and his class in Socialism with evidence that he had been at work in New York.

One week before, Professor Steever had told his class that employment conditions in this country are wretched, and that it was almost impossible for a man to get a job even if he wanted it.

Finley, a senior, rose and challenged the professor that he could get a job anywhere within 24 hours. The bet was made, Professor Steever offering to pay the undergraduate's expenses if he won the bet.

Amherst has changed from the three semester plan to two. The change will not effect the length of the various courses. The two-semester plan is in use in most of the other American Colleges and universities so that Amherst adopting the plan will bring it into line with the others.

According to the figures of Dean Raymond Walters of Swarthmore, printed in "School and Society" the enrollment in American Colleges and universities has increased 25 per cent in the last five years. The figures are from 211 institutions, the larger of these showing the greatest increase.

Oxford and Cambridge universities are said to be planning a new form of intercollegiate competition. The two universities are making plans to have annual flying contests take place between them. Both schools have their own air squadrons.

THE TECH BOOK LIST

H. G. WELLS

THE NEW PICTORIAL OUTLINE OF HISTORY, by H. G. Wells. New York: The Macmillan Company. \$7.50.

H. G. Wells has the reputation of writing of great things for the masses. The success of his "Outline of History" has led to the works being revised into a single volume called "The New Pictorial Outline of History."

To attempt to outline the history of the world is a gargantuan task, and one in which Wells acquits himself very creditably. But one must be prepared to overlook a great many incongruities, bear up under the strain of seeing personal opinions go in the guise of facts. In spite of these discrepancies the work is a notable one, and decidedly interesting.

The assumption of course is made that the reader is not primarily interested in the precise pros and cons of a situation, but rather in the romance of the history itself. For such people it makes little difference whether they read the book consecutively or merely open the book at random; either way is enjoyable.

The chief permanent value of the work lies in the continuity which it gives to the moving picture of time. It helps to bridge the gaps which unavoidably lie between one history and another. It shows the great plan of the contemporaneity of world events. Except in an outline such as this, one loses the perspective which is necessary for an accurate picture.

While one gets this perspective, there is nevertheless another element which one loses: namely the accurate detail. Wells commits the frequent blunder, generally common among men talking to their intellectual inferiors—the fault of being dogmatic.

This is one of the great anomalies of the world: the sight of a man stamping up and down a lecture platform calling others dogmatic and their ideas absurd—truly the pot calls the kettle black!

So one must take the "Outline" with a grain of salt, and constantly be alert to check up on all statements that savor of trite dogmatism or H. G. Wells' prejudice. F. M.

THE OPEN FORUM

WANTED: AN EXPLANATION

To the Editor of THE TECH: "I fear not, for I speak sincerely," has grown only too rapidly for the younger generation into a mere colloquialism. Many express their opinions forcefully, masterly, but when made to suffer for their radical thoughts, break down very easily and feebly admit to the error of their ways. Thus have many and many turned from the paths of truth-seeking to those shrouded in the mysteries and superstitions of the unreasoning past. Perhaps the thought of straining the cerebrum to soak in new ideas to replace the old-fashioned of by-gone days is too great a task for the lovers of the "types" and the "standard." One of the prime requisites for suc-

cess in engineering, one which has been stressed times innumerable by professors as well as business men, is the ability to discard the outworn and take in the new. Every engineering student, I am sure, puts forth his best effort to qualify in this respect in his respective field.

I take this liberty of expressing in words a strange feeling that has forced itself upon me, a feeling that a peculiar paradox exists at Technology and other professional schools, more than in the cultural institutions of learning. The paradox that has proved so cryptical to me resolves itself into the following query to which I seek a solution through your columns. Why do engineering students, who are credited with being of a more reasoning nature than their fellow men, accept so glibly all that their professors tell them without a murmur of protest as to its truthfulness, and yet when confronted with evident facts, perhaps external to their sphere of activity but of a liberal nature, turn away in disgust because they seem to sense something radical, something different than the customary ideas they hold of life and world affairs?

Yes, I wonder why. Anything enlightening on this engima will be appreciated.

Sincerely, M. B. '29.

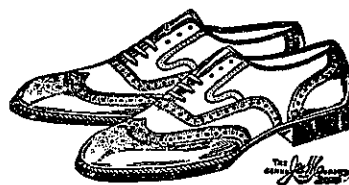
Coach Orin E. "Babe" Hollingberry of Washington State College plans to conduct daily instruction periods this winter for future varsity football candidates, which includes the championship freshman eleven.

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YALE NEXT FOE OF BEAVER QUINTET

Fifth Handicap Meet To Be Run On Board Track

Large Entry List Insures Real Competition In Races Saturday

For the first time since vacation the track men will get into action Saturday afternoon when the fifth handicap meet will be run off on the board track. More men than ever before have been working out daily and there will be a wealth of material in every event.

Barber and Broder, the leading point winners in the sprints up to date, will find plenty of opposition in the forty yard dash. Danner, Jandis, and Leadbetter are all expected to be in the running.

The outstanding event on the program is the 300. There will be a host of competitors and with most of the relay men entered there will be some very fast heats. Capt. Meagher, Hallahan, and Fay, who have had experience as Varsity runners, and Ladd, a sophomore star who has scored the most points in the middle distance races so far, are the leading entrants. Reynolds, Earle, Jackson, Lodge, Haskell, Morse, Wood, and Goodhand are a few more who will try the 300.

Ranking second only to the 300 will be the 600. Kirwin, Worthen and Mitchell of the Varsity cross country team, Baltzer and Allbright of the freshmen will uphold the honors of the harrisers in this event. Gonzalez, Berry, Landsman, Prindle, Currier, and Poor are some more entrants who will help to speed up the pace.

In the 1000, Thorsen and Semple are two of the strongest entrants and in the mile Austin, Walsh, Does, Blackwood, Gifford, and Moody are among the best. Other distance men who have a fine chance of collecting some points are McNiff, McBrayne, Herbert and Barrows. If the weather is favorable a hurdle race will be held and Lawrence, the former Princeton athlete, is expected to star in this event.

Teams In Pink of Condition For Game That Promises to Be Best of College Season

(Continued from Page 1)

ankle, and is not likely to be out again until next term. Brig Allen and Johnnie Reynders are slated for the forward positions as usual. Both are accurate shooters from anywhere in the forward court and have provided more work than two guards could handle in every game played so far this season.

The defence will be handled by Captain Estes and Lawson, thus filling out the tradition of four six-footers on McCarthy's first team. The latter expressed no concern when asked if he had heard anything about the size of the individual members of the Yale team, and a glance at the above lineup will explain his indifference. Estes is a veteran of two years varsity experience, while Lawson is only a Sophomore, but either one is competent to do real work on the back court. Both are extremely fast, and can work the ball down the court whenever the opportunity arises.

Technology's two defeats, at the hands of Dartmouth and Brown, respectively, were so close to victories that the team is not in the least downhearted. On the other hand, the men realize that the two overwhelming victories over New Bedford and Fitchburg were no real measure of their ability, and there is no danger of overconfidence in the ranks.

The game with Yale will be a real test, and regardless of the winner, the score should be very close. If the Cardinal and Gray can shake off the jinx that seems to delight in seeing them just nosed out in the final minutes of the game, the remainder of the season they ought to be able to get away without another defeat being charged against them. The final game before exams will be with Wesleyan next Saturday.

Varsity Riflemen Start on R.O.T.C. Grading Matches

Begin This Week on Long Set Of Targets To Grade R. O. T. C. Schools

Technology's varsity sharpshooters are this week beginning to shoot a match to determine the rating of the teams of the different colleges having the R. O. T. C. The Engineers are in fine form this season, having all of last year's men back except one, and the whole squad is turning in a better set of scores than last year. In the recent match with the George Washington University, which last year won the Intercollegiate and defeated the Engineers by well over a hundred points, the team only lost with a margin of forty odd points.

In the present set of targets being fired to determine the rating, the scores are compared with those of all the schools in the first corp area. The series consists of four sets of targets, one set to be fired each week. This first week of the set ten prone and ten sitting shots are fired. Next week the squad takes ten prone and ten kneeling shots.

Exams and vacation hold up the series for two weeks. In the week following the vacation the order is ten prone and ten standing, while the last week will see twenty prone. This makes a total of eighty shots per man. Fifteen men will fire, and the ten highest will count in the scoring. Members of the team from the highest rating school will receive medals.

Following this competition the team will start on the N. R. A. league matches, taking on each member of the district. Seven important matches will run off in these league meets, some of the stronger teams being the Virginia Military Institute, Norwich, B. U. and Drexel. For the final the two highest teams will meet in Boston in a shoulder-to-shoulder match. All the men on the winning team are awarded medals if they score over ninety percent. During this week last year's medals were awarded to the team.

A shoulder-to-shoulder match follows between the winners in the different districts, in New York, for the national championship. The highest scoring individual gets a silver medal. It was taken by Harbeck of the Institute team last year. Harbeck won both the New England and National honors last year, taking a percentage of ninety-seven, closely followed by Captain Elliott of this year's team with ninety-five.

Passing The Puck

If the weather conditions are favorable the freshmen hockey players will get a chance to open their season with a game with Newton high tomorrow afternoon. A game scheduled for last Saturday, but lack of ice compelled a postponement.

The Varsity players will have two practise sessions this week, the first one this morning and the second tomorrow. The game with New Hampshire has been postponed until the eight of February, and so the next game will not come until after the exam period, when the Engineers will journey to West Point.

Although Yale and Dartmouth scored more goals against Technology than Harvard, the Engineers are unanimous in rating the Crimson as the best team of the three. Harvard has one of the best teams ever and should have no trouble defeating all of her American college opponents.

SWIMMING TEAM TO OPPOSE WORCESTER

Luey and Jarosh Are Two of The Best Backstrokes In The East

Technology's swimming team is not in as poor condition as was supposed originally, but they are still weak in a few events. The meet with Worcester Tech on Saturday will be a real test of the team's fitness as Amherst was not credited with having an exceptionally powerful team.

Divers have been the one sore point of the team since the beginning of the year and it has been this one event that has weakened the team more than anything else. McGuane is the only diver that the Engineers can boast of but it will require a few more meets before he really rounds into top form.

Grover's resignation has caused a weakness in the dash events and it

was in these events that Amherst gained most of their points and firsts. If someone could be found to replace Grover in these two positions, the Engineers would have a rather strong team. It appears Grover's loss has only affected the dash events and none of the others, as able substitutes have been found to fill practically all the other positions.

At present the Beavers have a rather weak relay team, but they have shown plenty of fight and as soon as they get used to the absence of last year's veterans they should be able to hold their own in this event.

Probably the strongest position is the backstroke which has two able men, Luey and Jarosh. These men are practically the equal of any of the backstroke men in the East and this event is probably the one that the Cardinal and Gray can be sure of taking the honors in.

Someone at Middlebury has suggested the novel idea of giving the students the privilege of suing the college treasurer for damages totalling 33 cents every time an instructor cuts a class.

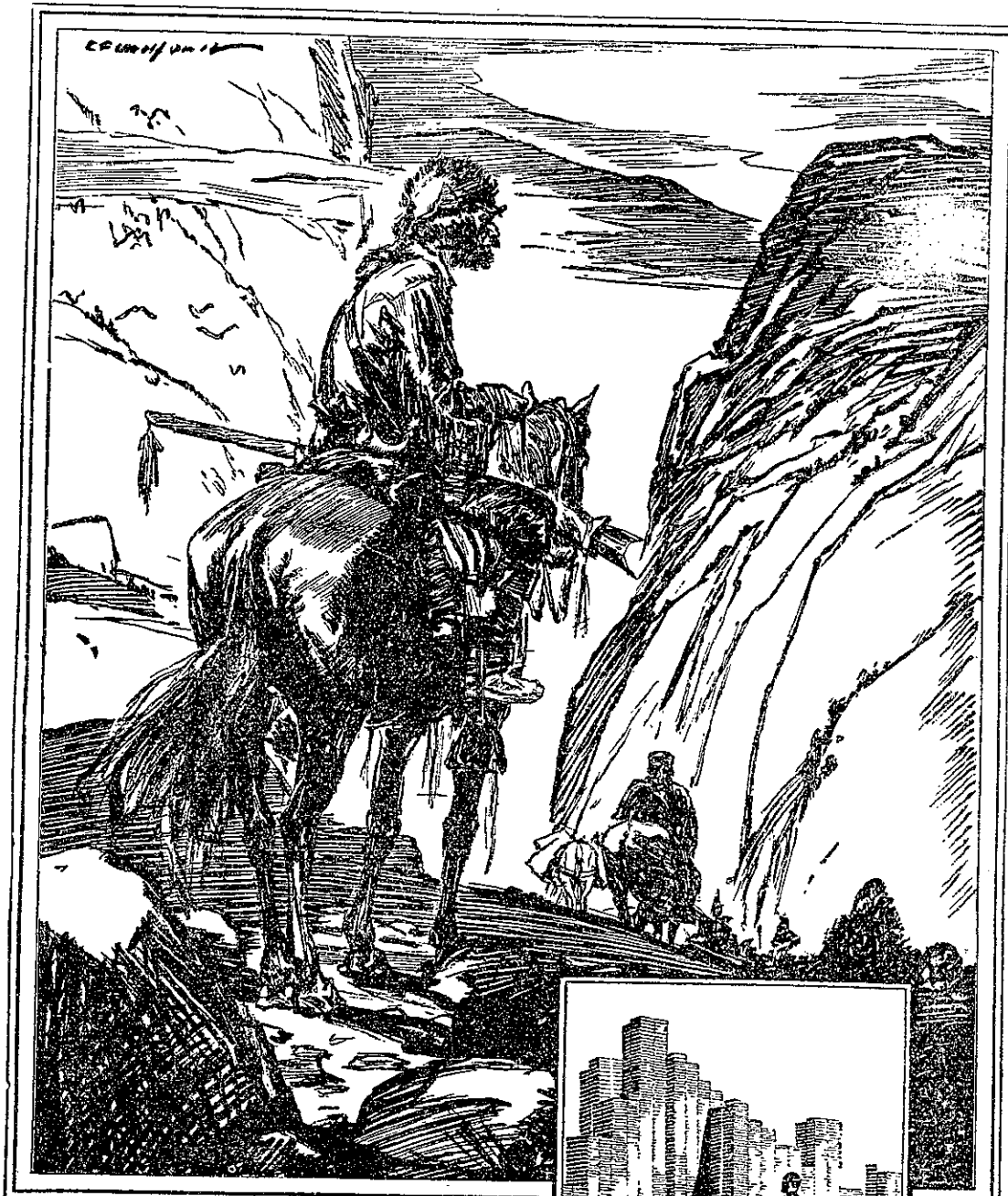
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FROSH HOLD FIRST SMOKER TONIGHT

President Stratton and Lieut. Hegenberger Will Be The Principal Speakers

(Continued from Page 1)
Hegenberger. Although the title of the Lieutenant's address is unknown, the entertainment committee feels certain that he will bring a very worthwhile and interesting speech to the members of the freshman class.

At the conclusion of Lieutenant Hegenberger's address refreshments will be served. While this is going on O. B. Dennison '11 will entertain by singing and playing some of his songs which are already great favorites with the freshman. All freshmen who were present at the Freshman Camps or at the All-Technology Smoker are sure to remember the songs that "Obie" played and sang. The rest of the program will be interspersed with songs and cheers and the handing out of cigarettes to all present. The evening will end with the customary singing of the Stein Song which will be played by the R. O. T. C. Band.

The officers, section leaders and the ushers are asked to meet in the Main Dining Hall of Walker Memorial at exactly 7:15 this evening. The committee wishes to start things off on time and it is necessary that these men be present at that time. The band is also requested to meet at Walker Memorial at 7:30 o'clock and the leader says that all men must be present. The band is being excused from practice in the afternoon and unless all men are present in the evening, the absence of those not present will be reported to the captain and demerits will be freely handed out.

T. C. A. OUTING TO START FEBRUARY 1 Freshmen Attending Camp Given First Choice

(Continued from Page 1)
so enlarged as to accommodate all the students who wish to attend the outing. At the present time letters have been sent to all the members of the freshman class who attended the freshman camp at the beginning of the term last fall. The T. C. A. Cabinet feels that these men, who manifested enough interest to attend the camp should be given the preference since only a limited number will be allowed to go on the outing this year. The outing party will be limited to thirty members and the first thirty who hand in their applications will be the ones who will go on the trip.

The freshman camp which was started two years ago was also an experiment of the T. C. A. The first year 88 men attended the camp and it was such a success that last fall 127 men were there. Even with that large number many men were turned away and were not allowed to go to the camp because their applications were not handed in on time.

The freshmen who have received letters concerning the outing will be given until a certain date to hand in their applications. If thirty applications have not been accepted by that time the outing will be opened to the rest of the members of the freshman class. Then if the quota is not filled it will be opened to the whole student body of the Institute.

"The Ark" is a winter resort situated at Jaffrey, New Hampshire, about 75 miles from Cambridge. The country about it has an elevation of 1300 feet and it is at the foot of Mt. Monadnock. Skiing, skating, tobogganing, and hiking on snow-shoes will be a few of the many sports enjoyed on the outing. The trip will last three days and the total expenses will be \$18.00. Board and room for the three days will cost \$10.50, railroad fare will cost \$5.05, bus fare \$1.00, and incidentals \$1.45.

Men, who have skis, skates and snowshoes of their own, will probably take them with them. Others, who do not have these things, will be able to rent them at the "Ark." Mt. Monadnock which is 3200 feet high will be the scene of several mountain climbing parties which will be held during the outing.

Several months ago the idea of holding such an outing as is now being planned was suggested by Professor Leicester F. Hamilton '14, a member of the T. C. A. Advisory Board. It is likely that Professor Hamilton himself will be one of the members of the trip. Students who signify their intention of attending the outing will be asked to deposit the railroad fare of \$5.05 so that the committee will know the exact number who are going on the trip.

According to statistics compiled by A. Alonzo Stagg of Chicago, the average term of service of football coaches at a single institution is less than three years.

Dartmouth Paper Publishes Synopsis Of Undergraduate Course Criticisms

(Continued from Page 1)
the twenty-four answers submitted on this course. Some believe that if more work was required the course would be of greater good. Some answers allege different grading scales used by instructors work to the disadvantage of those students in the harder marking sections.

"Public Speaking 13-14. Argumentation

"A study of the methods and materials of argumentation and discussion and the preparation and delivery of argumentative speeches. Courses 13 required for course 14. Conferences.

"Useful but dry and a very good course in logical expression," is the consensus of opinion from the nine answers submitted.

"Modern Art 1. Introduction to Appreciation of Art

"An elementary course designed to give a general understanding of art and its relation to life. Gives consideration to fine arts and other significant forms of human expression.

"The consensus of opinion is that the course, while enjoyable, is too factual and covers too much ground to be of lasting good. The answers rank the lecturers from good to dull and uninspiring.

"Graphics 1-2. Mechanical Drawing

"In the first semester, instruction is given in the use of instruments with special attention given to lettering. During the last part of semester work is devoted to construction of engineering and mechanical drawings.

"The second semester deals with elementary projection drawings as applied to descriptive geometry.

"Essentially a practical course taught in the regular competent mathematical style. Answers agree that this course is of little good to anyone who does not major in graphics.

"Physiology 11-12.

"Lecture course, with demonstrations and occasional quizzes, on the physiology of the nerve and muscle, circulation, respiration, digestion and special senses. It is a continuous

course of lectures; ordinarily should not be elected separately. Prerequisite: Physics 1-2, Botany 1 and Zoology 1.

"Nine comments describe it as a dry course well presented but too thorough and too advanced for students who are not medics. Also called a 'pipe course in which a lot could be learned.'

"Psychology 1-2. General Psychology

"An elementary course dealing with the analysis of human behavior. Course 2 is open only to those who have passed Course 1.

"An interesting collection of details presented in an attractive fashion. The twenty-odd opinions object chiefly to the new language to be learned and the number of details connected with neurology. But, as one comment puts it, the course is 'like a visit to the dentist, one hates it while he is taking it, but when it is all over he is glad he went through with it.' Another pleads for more discussion and less lectures. The sugar coating with which the lectures are glazed form the basis for another dissenting view.

"English 3-4. Writing

"Practice in honest, personal writing, of whatever sort the student desires, with friendly exacting criticism; reading with attention to what makes good writing and what makes a good writer. General class meetings, small group meetings, personal conferences. Prerequisite: Courses 1-2.

"The latitude which the course affords insures its application to the needs of every student. No hour exams and no finals with a minimum requirement of words averaging around 12,000 make the course attractive to nearly everyone. The readings are chosen from the student viewpoint of interest rather than with the idea of what is good for him. The four instructors who conduct the course divide it in general into four groups, each specializing in a particular type of writing. The student is permitted his choice of the four."

Records at the University of Oregon show that good marks in school "run in families". The marks of a hundred brothers and sisters were examined.

Notices and Announcements

OFFICIAL

Students who have not obtained their registration material should get it immediately from Information Office. Registration material must be returned to Room 3-106 not later than 1 o'clock Friday, January 13th, to avoid a fine of \$5.00.

UNDERGRADUATE NOTICE

The Mathematics Club will hold its regular meeting tonight at 8 o'clock in North Hall, Walker. Prof. Rutledge will talk on "The Modern Definition of the Logarithm." All are invited.

CATHOLIC CLUB

The M. I. T. Catholic Club will hold two dances this week, the first with B. U. at St. Cecilia's Hall at 9 o'clock Tuesday evening, the second with Simmons at the same place and time on Friday evening.

POLO CLUB

The Polo Club will resume its riding classes starting tomorrow evening at 6 instead of 6:30. Sign-ups will be sold in main lobby on Tuesdays and Wednesdays from 12 to 2.

ORCHESTRA REHEARSAL

There will be a rehearsal of Tech Show orchestra tonight in East Lounge of Walker Memorial at 7:30 o'clock.

CREW

All freshmen signing up for crew in substitution for P. T. 2 must do so before noon next Tuesday.

1930 CLASS OFFICERS

There will be a meeting of the Executive Committee of the Sophomore Class in Room 10-267 at 5 o'clock this afternoon.

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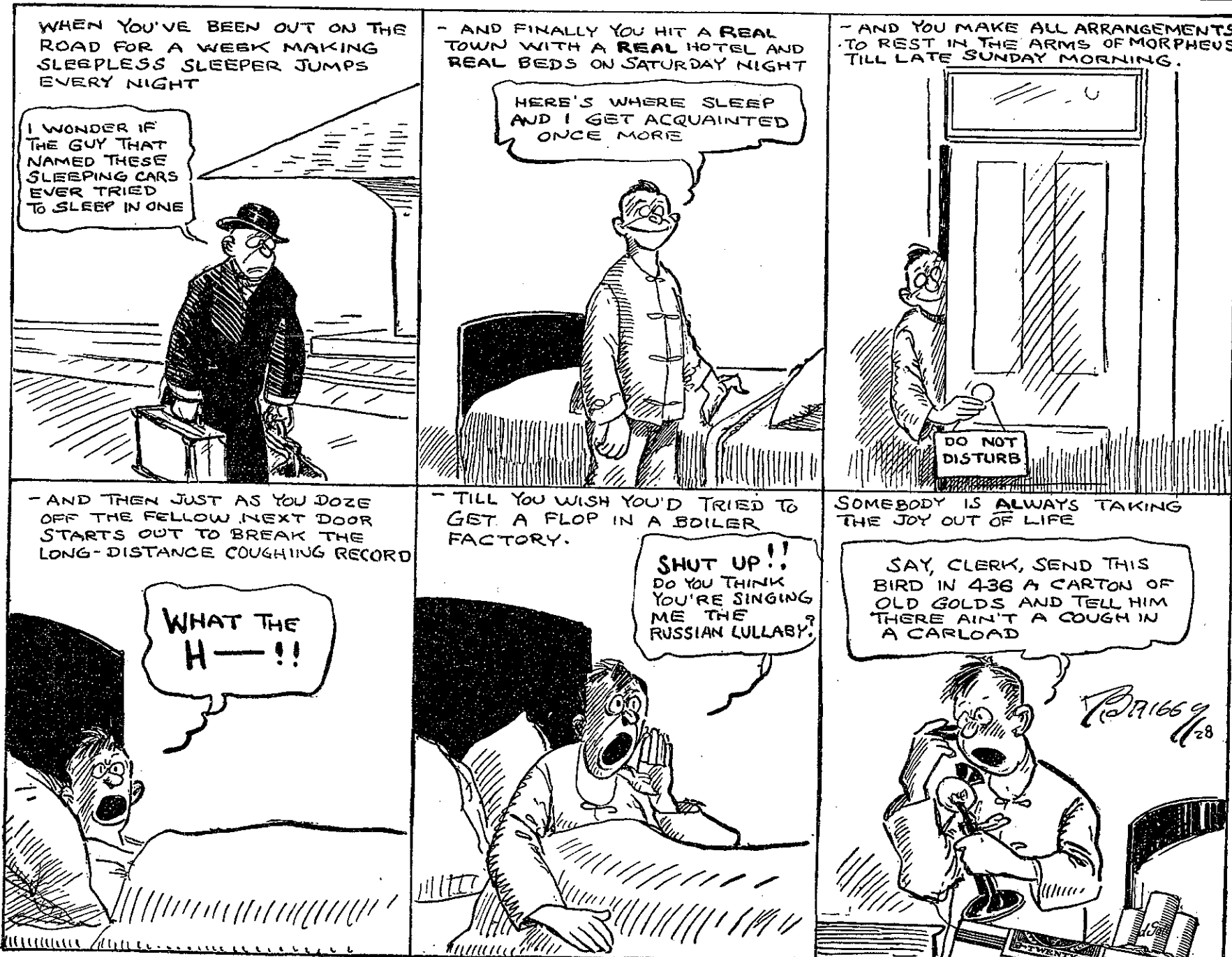
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