

POLL FACULTY ON 5-DAY WEEK

Norman Thomas Will Speak Here Next Wednesday

Socialist Party Leader Will
Address Members of
Liberal Club

SUBJECT WILL BE "WAR"

Norman Thomas, a leader of the Socialist Party, and Samuel Sparks, district organizer of the Communist Party, will speak here next Wednesday afternoon under the auspices of the Liberal Club on the subject of "War." The meeting, which is open to the public, will be held in Room 250 at 4 o'clock.

The two speakers will describe the attitude of their respective parties toward war. They will tell what has been done in the past, and what attitude will be taken toward war in the future.

Mr. Thomas was the Socialist Party's candidate for President in the national elections of 1928 and 1932. He is also an executive director of the League for Industrial Democracy. He is a well-known speaker and is the author of several books. The last time Mr. Thomas spoke at Technology was in November, 1931, when he spoke under the auspices of the Liberal Club.

Mr. Sparks is the organizer of the Communist Party for the entire New England district.

T. C. A. INSTALLS SEVEN TOMORROW

New members of the T. C. A. cabinet will be installed tomorrow at a luncheon meeting in the Faculty dining room of Walker. Guests will be Vannevar Bush, vice-president of the Institute, and Wilmer J. Schen, supervisory secretary of the New England Students' League. Members of both the outgoing and incoming cabinets will be present. Members of the Executive Committee who will be installed are: Grant, '35, president; Arthur Oxon, Jr., '35, vice-president, and Rucker, '35, treasurer. The following will be installed as heads of the four divisions: William P. Ansley, Jr., '36, Frank L. Phillips, '36, James H. Schipper, '36, and John Geman, '36.

SERVO-MECHANISM DEMONSTRATED TODAY BY PROFESSOR HAROLD L. HAZEN

Electrical Engineering Research Department Has Developed Device for Controlling Other Machines

At a meeting of the Radio Society this afternoon Dr. Harold L. Hazen, of the electrical engineering department, will lecture and give demonstrations on the "servo-mechanism," a device for controlling or serving other machines which has been developed in the Electrical Engineering Research department.

Although built primarily for research use in certain calculating machines, possible applications of this mechanism include the automatic steering and stabilization of aircraft, the gyroscopic stabilization of the steering of ships, operation of various types of recording instruments, gun control, the automatic control of industrial processes, and many others. This is possible because of the function of the mechanism, which is to guide or aid another machine in accordance with the indications of a delicate instrument.

An Editorial

AND MAY THE BEST MAN . . .

ON APRIL 25 the Spring class elections will take place. All forms of electioneering are, by the By-Laws of the undergraduate Constitution, barred.

Nevertheless every student knows, from experience of previous years, that electioneering will take place. Blocks, vote swapping, secret campaign meetings will become evident during the weeks of elections.

Those candidates and their supporters who will refrain from such illegal tactics will be at a disadvantage when the ballots are counted.

IN FACT IT IS OPENLY ADMITTED THAT A RECENT CANDIDATE FOR AN IMPORTANT OFFICE WAS GREATLY AIDED BY HIGH-PRESSURE ELECTIONEERING METHODS.

The question is what to do about it. After all, when a certain law or ruling is continually and universally broken, critical eyes are turned on the law. The prohibition act was a law of that nature. After being constantly abused for twelve years it was finally decided that the law, and not the public, was at fault. The law was repealed. It is now generally accepted that repeal was the best measure.

This paper feels that the electioneering law should also be repealed. Whether or not that was its original intention its primary effect now is to withhold important information

(Continued on Page 2)

GRADUATE HOUSE INCREASED FROM 59 TO 195 MEN

Ware, Atkinson, and Runkle Are
Converted from General
Occupancy

Increasing the capacity of the Graduate house by 136 men, the Dormitory Board announced yesterday the conversion of Ware, Atkinson and Runkle from general occupancy dormitories to Graduate halls. This change will decrease undergraduate accommodations from 561 to 426, but at the same time it nearly quadruples Graduate facilities.

The Graduate section, now housing only 59 men, was found to be too meager for the large demand on space created by the segregation of more mature students. It was therefore increased to a capacity of 195 men.

At the same time, announcement was made of a more complete furnishing of rooms, including rugs and draperies.

JEWETT SELECTED AS LIFE MEMBER OF CORPORATION

Election of Former Term Member
of Corporation Made
Known Last Night

The election of Dr. Frank B. Jewett, vice-president of the American Telephone and Telegraph Company, and Lamot du Pont, president of E. I. du Pont de Nemours and Company, to life membership of the Corporation of the Massachusetts Institute of Technology was announced by President Karl T. Compton last night. Dr. Jewett and Mr. du Pont have served as term members of the Corporation, their terms ending last June.

In the dual capacity of vice-president of the American Telephone and Telegraph Company and president of the Bell Telephone Laboratories, Inc., Dr. Jewett directs the scientific research and development of these organizations. He was educated at the Throop Polytechnic Institute, the University of Chicago, and Technology, where from 1902 to 1904 he was a graduate student and instructor in physics and electrical engineering.

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DORM-COMMUTERS DANCE WILL HAVE "JAIL" AS NOVELTY

Mock Imprisonment Will Cause
Continual Shifting
of Partners

With a "jail" and board of censors to give it a novel touch, the Dorm-Commuters' Dance will be held in the Main Hall of Walker tonight. Informal in the extreme, the dance will find all types and colors of attire in evidence. In advocating an "Any Clothes Dance," the committee in charge expressed a desire to provide a social function that would be a relief from the many formal affairs which have been held.

The "jail" is part of a novel system of "cutting in" which will be used in connection with the "prison dance." Offences causing apprehension of offenders are shuffling, slow dancing and too close proximity

(Continued on Page 4)

Winning Poster

III OPEN HOUSE

MASSACHUSETTS
INSTITUTE OF TECHNOLOGY
CAMBRIDGE - MASS.

2 TO 10 P.M.
SATURDAY
MAY, 5



SELECT WINNING POSTER IN OPEN HOUSE CONTEST

Robert M. Brooks Wins Contest
With Jerome M. Raphael
Coming Second

The Open House Contest award was given to Robert Max Brooks, a graduate student in Architecture, it was announced today by Robert C. Becker, '34, chairman of the Open House Poster Committee.

Brooks, whose prize-winning poster is shown on this page, graduated from the University of Texas in the Class of '33. Brooks' poster, a contrast of black and white, was chosen because of its simplicity from a dozen submitted posters. This "black and white welcome" will convey an invitation to all to come to M. I. T. on Open House Day.

Results of Canvass of Faculty

Professor Leonard M. Passano: "I am utterly opposed to it. I think the thing is absurd. Any tendency to turn the Institute into a factory is most ill-advised."

Professor F. Alexander Magoun: "I'm all for it. If it can be done by merely rearranging of schedules and without overburdening the students, it is definitely a good idea. If it should result in too long hours during the week, I should be against it."

Professor Norbert Wiener: "I am, on the whole, in favor of it, but if it meant too heavy a schedule I would not. One day would be useful to me and to my students."

Coach Oscar Hedlund: "I think it is a good plan. It won't make much difference from the standpoint of sports, but a Saturday morning rest would put the athlete in better condition to participate in sports in the afternoon. I hope the student will not try to take too much 'relaxation.'"

Professor Nathaniel H. Frank: "I am in favor of reserving some time during the week so that the students may have an opportunity to make personal contacts with their instructors. It seems to me to be irrelevant whether this time is taken on Saturdays or at any other time during the week."

Professor Henry G. Pearson: "I am in favor of the plan provided that suitable arrangements can be made. I would rather, however, see the re-

Informal Canvass on Five Day Week Plan in Conducted

The Tech Staff Interviews
Institute Faculty to
Obtain Opinions

DAY FREE OF CLASSES
WOULD HELP RESEARCH

Greatest Number of Saturday
Morning Sessions Is Had
by Freshman Class

A canvass of representative members of the Faculty and Administration yesterday revealed a majority sentiment in favor of the plan. Many members, however, made reservations on their favorable opinions. The results appear elsewhere in this issue.

The plan, now under consideration by the Faculty, involves the suggestion that all classes be concentrated in the first five days of the week, leaving Saturdays free for study and research, as well as cultural development and recreation.

Committee Studies Plan

Registrar MacKinnon stated today that the average number of Saturday classes was as follows: Freshman year, three; Sophomore year, two; Junior year, one and one-half; Senior year, one to one and one-half.

Study of the practicability of the five-day week, now in the hands of a special committee, is particularly favored by some members of the Faculty, who believe that one day free of classes would greatly enhance the opportunity for students for uninterrupted research.

In making the canvass, no attempt was made to ask particular members of either the Faculty or Administration. Names were picked at random. Several refused to commit themselves on the question, stating that they were unfamiliar with the details of the plan.

Professor Davis R. Dewey: "I think it is a matter for the students to decide."

Wallace M. Ross: "I have always felt that students at the Institute would be greatly benefited by additional time for recreation and cultural development. However, I believe that a plan which would cut down on students' hours would be even better. It seems to me that students are already overburdened."

Professor Erwin H. Schell: "I favor the experiment. I would rather see the classes on Saturday decreased than increased."

Professor Charles E. Locke: "As far as worked out in the third year of Course III, it has met the approval of students and instructors. The value to students depends solely on their application of the time. However, it does present the opportunity for those who want to make use of it. It is well worth a trial."

Horace S. Ford, Bursar: "The question is purely academic. There will be no effect on this department. The Bursar's office will be open six days a week as usual."

Professor Charles B. Breed: "If the efforts of the day were well planned, (Continued on Page 5)



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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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In Charge of This Issue: Arthur M. York, '37

AND MAY THE BEST MAN . . .

(Continued from Page 1)

from the voters. It prevents a class from knowing who its candidates are, what they stand for, and what they will do for the class when elected.

It transforms the class elections from an election to an Italian tombola.

It results in such regrettable performances as took place last year, when the freshman kidnapping of the Sophomore President (with almost dire results) was revealed as a publicity stunt for a number of freshmen seeking to gain class offices.

What person will not agree that any election, no matter to what office, should be conducted on a basis affording complete and easily accessible information about each candidate to the voters?

But in withholding regular information about the candidates, the plan makes possible the insidious grape vine system for transmitting favorable information about a particular candidate, to the exclusion of others.

We must agree that the average Technology student does not interest himself enough in every campus affair to know the personal thoughts and convictions and personalities of each candidate.

Therefore if enough people tell him to vote for a certain candidate, and he hears no favorable mention of any other, the chances are strong that he will vote for that candidate on election day.

It is only the old and well accepted theory of advertising psychology. Cigarette advertising, for example, finds its fundamental basis in that theory.

And what happens to the other candidate, who does not break the rule, who does not electioneer or indulge in vote swapping? Imagine what would happen if, in a national election, only one party held a campaign and the other remained absolutely silent.

The results would be the same here unless the second candidate decides to fight with fire.

The electioneering law is broken for the same reason that the prohibition law was broken. It is an ill-advised law not working for the best welfare of the group. It not only makes possible the withholding of proper information necessary to sensible voting, but also allows unfair results by permitting clandestine electioneering by those who indulge in it.

THERE IS ONLY ONE LOGICAL STEP TO TAKE. THE AMERICAN PUBLIC TOOK IT WITH THE PROHIBITION ACT. THE STUDENTS OF TECHNOLOGY SHOULD TAKE IT WITH THE ELECTIONEERING LAW.

ESCAPE FROM BABBIT

A FIVE-DAY week for Technology, with the purpose of "enhancing the students' opportunity for cultural development self directed education, and uninterrupted research, which has been proposed and is now being considered by the Faculty, will not give the student any additional hours per week. The purpose is admirable, but the method of achieving it is questionable.

With the undergraduate bending under the burden of a week of forty-eight hours or more, it is now suggested that all classes be crowded into five days in order to let enterprising students seek culture and more research.

We may divide the student body into two groups for the purpose of analyzing its probable reaction to the change. First there is the student who needs no prodding. To make up for the pronounced scarcity of spare hours for cultural development he budgets his time. His free hours are not wasted. Because he could adapt himself easily to a new schedule, the proposed change would not affect him greatly. He is already working at a healthy maximum, and since his study is already concentrated, he could secure no additional hours of work per week.

The second type—the student who does need prodding—might first greet the change with acclamation, realizing that the new plan would allow him to stay out late on Friday night and sleep Saturday. He would soon discover, however, that the concentration of class-hours would entail more preparation during the week and that he would not be gaining anything. At present this student can be induced only with difficulty to apply serious thought to outside work. The assigned work is enough for him. It is unlikely, therefore, that he would give any greater sustained effort to outside work under the new plan. Saturday would tend to become a clean-up day for the residue of assigned weekly work.

The plan has, however, the very definite advantage for students and staff members who commute from long distances. Concentration of the requisite class-hours into a five-day schedule might encourage students to seek healthy relaxation on Saturday to the exclusion of sporadic time-killing during unoccupied gaps in the present schedules. Staff members would be freer on Saturday for research or conference with students. Needy undergraduates might secure part-time employment on this day.

What this Institute needs is not a five-day, but an eight-day week. The student has all he can do to find time to sleep in under the present system, and no decrease in class days without a corresponding decrease in work hours, will affect his leisure hours. Witness ye editor who was informed of his twenty-first birthday by a letter from home, two days after that event.

If it is the desire of the Faculty that the student find time to relax and absorb culture we must create a new day.

We hereby suggest that a committee be appointed to send a letter to A. Hitler asking him whether among his Norse gods there is one interested in culture who would lend his name to this escape from Babbit.

DESPAIR

MODERN world conditions are such as breed despair and pessimism. There is endless chaos and instability in the world—not only confined as usual to Europe but all over the world. In Europe there is unrest in every country—in varying degrees, of course. There is trouble in Asia, in India, Japan and China. North and South America have their share of troubles. There are general labour problems, war problems, political and economic problems, and even cultural and racial problems. The world is thoroughly beset by all possible disruptive forces. There is no longer even the comparative stability of the nineteenth century. Life seems to no longer have any value and a general despair is settling over the earth.

Even in the limited experience of most university students this despair and pessimism is easily seen. One meets individuals whose lives are under a cloud, who wander through life as

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NEW TECHNOLOGY REVIEW FEATURES ARTICLE ON MINING

Review Includes Article Giving Results of Research on Engine Combustion

"Geology and Mining in the Colonies," written by Professor Frederick K. Morris, is featured in this month's *Technology Review*. Professor Morris writes with the knowledge of a geologist of wide experience. An article of generous detail, it presents the geological history of America from colonial times. It describes the diverse series of belts which the colonists found, the remarkable distribution of ores, and the advent of coal burning.

The results of recent research on engine combustion are given in an article entitled "Engine Combustion Caught in the Act," written by John P. Elting, '31. The studies described in the text and illustration relate to the work he has pursued in holding the Alfred Sloane Automotive Research Fellowship at the Institute.

Ralph T. Jope and J. Rhyne Killian, Jr., have collaborated in making a study of the effects of the depression on the American college in an analysis under the title "Academic Economics." Questions such as "How has the income of American colleges been reduced from 1929 to 1930?" "What reduction in teaching and administrative personnel has occurred since 1932-1933?" and others are answered statistically.

R. L. O.

Brother Alpha

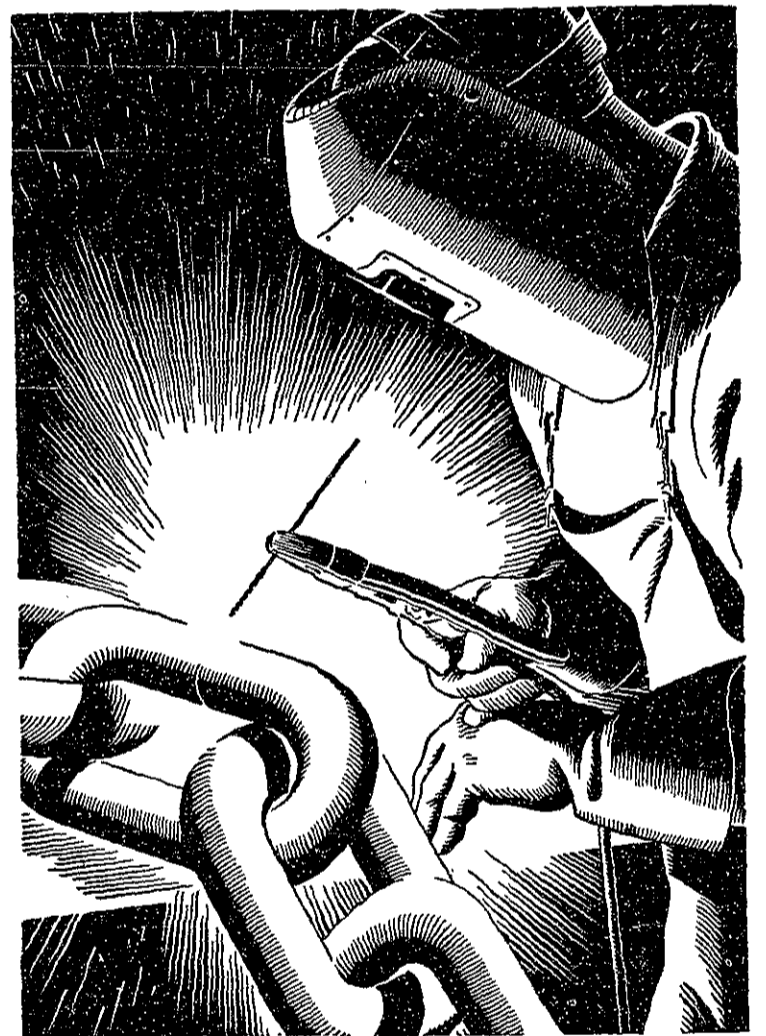


Sure the Irish have all the luck. They have something started there since 1800, some say it's Revolution and some say it's Potatoes, but anyhow it has them all believing in a far-off Divine Event. All you need is shoot a few people symbolically now and then. They could even be Irish people if no others are handy. Just shoot and organize Citizens' Armies, and the poetry will pour out like advertising copy from the office of Barton Durstine and Osborne. Right now they have in Ireland the three greatest literary artists in the Western Wurrul, and that's O'Flaherty, Sean O'Faolain, and Francis Stuart. Well anyhow, if they aren't in Ireland, they would be except for the shooting and the censorship.

We ask you, please, where would the Sassenachs come by a Golden Dream, whatever? All we have

(Continued on Page 3)

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WRESTLERS TO SEEK CHAMPIONSHIP

Ricks Optimistic Over Chances of Being Victorious

Marderosian, George, Boyan, and Poole Expected to Show Well

FIVE TEAMS COMPETING

With one of the most powerful wrestling teams that he has ever developed here, Coach Jay Ricks and his charges are journeying to Springfield College, where the New England Intercollegiate are being held this afternoon and tomorrow. The meet includes five teams, with Technology, Harvard, Tufts, Brown, and Yale scheduled to compete. The Elis are entering this meet for the first time.

Entering a full team with the exception of the unlimited class, Coach Jay Ricks is very enthusiastic over the probable outcome. According to him, the squad has a very good chance of bringing home the championship cup with at least two individual wins. Although numerous individual titles have been won by Engineers, the team has not been able to bring back the winning cup in recent years.

Ricks Has Four Mainstays

Ricks is pinning his hopes on such mainstays as George, Marderosian, Boyan and Captain Poole. George and Boyan were title winners in the freshman class last year, while both Marderosian and Poole made commendable showings and have been consistent winners this year.

Poole has been the first captain for a number of years who has not been followed by the customary jinx. Shea, who captained last year's team, was out of most of the scheduled meets because of injuries, while the same jinx on captains existed for a number of years before that. This season, Poole has the enviable record of having won seven of his bouts and lost but two.

George Down to Weight Now

Harold George, who has been handicapped by being overweight, has been working hard for two weeks to make the required poundage. Last night he weighed in at 119 pounds, and will be sure to start the meet today with a clear slate. George is the holder of the freshman title in the 118-pound class, and according to Coach Ricks is able to handle most of the men in New England in that class.

(Continued on Page 6)

Championship Mark Close of Winter Season Sports

With most of the winter season sports closing their schedules this month, this weekend will see two Technology teams entered in championship meets. The wrestlers will be seeking the New England title in Springfield, while the swimming team will act as hosts to New England colleges at the University Club. Both the fencers and the gymnasts participate in two meets over the week-end as they travel South. The schedule for the next week is as follows:

- Friday, March 9
- Gym—Temple at Temple.
- Fencing—Baltimore at Baltimore.
- Swimming—New England Intercollegiate Championships at University Club, Boston, 4 and 8 P. M.
- Wrestling—New England Intercollegiate Championships at Springfield, 2 and 8 P. M.
- Saturday, March 10
- Gym—Navy at Annapolis.
- Fencing—Navy at Annapolis.
- Swimming—Finals of N. E. Intercollegiate Championships at University Club, Boston, 2 P. M.
- Wrestling—Finals of N. E. Intercollegiate Championships at Springfield, 2 P. M.

Leads Grapplers in Championship Meet



CAPTAIN FRANK POOLE

GYMNASTS FACING UNDEFEATED TEAM AT TEMPLE TODAY

To Engage Navy Intercollegiate Champions Minus Two Men Saturday

Meeting the strong Temple team at Temple this afternoon and the Navy team, last year's intercollegiate champions, on Saturday at Annapolis, the varsity gym team is in for a strenuous week-end. Practically the entire Temple gymnasts are Sophomores but they have been undefeated this year. The Technology entrants in the Temple contest are as follows:

- High Bar—Benson and Dunlap.
- Side Horse—Miller and Moore.
- Parallels—Wise.
- Flying Rings—Morrisette, Wise, and Van Ham.
- Rope Climb—Miller, Van Ham, and Benson.

Meet Midshipmen Saturday

The same men will take part in the Navy meet, but there will also be a tumbling event in this meet with Wells and Van Ham listed as Technology representatives. Werblin and Holland who had been slated to go with the team, will have to be left behind because of injuries received during practice.

In the meet against Army last week, Werblin and Captain Wise were the only scorers for Technology. This defeat did not count in the Eastern Intercollegiate Gymnasium League standing. The league standing thus far is as follows:

	Won	Lost
Temple	2	0
Navy	2	0
Princeton	1	2
Springfield	1	3
M. I. T.	0	1

BROTHER ALPHA

(Continued from Page 2)

Depressions and maybe Recoveries. We should get excited and write the Great American Novel because Samuel Insull squeezed the Ultimate Consumer! We were capitalists in those days, too. Two dollar rates they were taking out of the pants to put fifty cent dividends back in the vest, but anyhow it might be maybe fifty-five cents, and we liked to gamble.

The Week in Walker

A while since, this M. A. Barnes took the Pulitzer Prize for a novel called *Years of Grace*, and now offers a new one. *Within This Present*. It is maybe a Recovery book which has joined the N. R. A. Lady Esther would approve of it. It shows that if you spend a lot of money and do nothing except give the house-keeper orders about the dinner, your husband is liable to run off with a designing miss named Mazie and you will be in danger of marrying a poet. But if you are really poor and get along with one servant, hereinafter referred to as "a little maid," then your husband will stay at home and be happy working as vice-president of a bank because he needs the money and feels that the job needs him. See you then! The Children's Laxative speaking. Good night!

Enid Starkie her *Baudelaire* is an admirable introduction for those of us who have long felt that we should read the poetry, and just can't. It is worth while to have the poetry led up to out of that *Pic de Bohème* which now begins for most of us to have so pleasantly musty a flavor, now that our own Night Club Era is over. Poor Baudelaire! He had talent, he had the divine spark. One feels he might have married some nice little woman and settled down as a successful advertising man. But he finished the race with a nervous collapse, in a convent of nuns, with a case of aphasia and the only words he could remember were "Sacré Nom!"

Freshmen Defeat B. U. on Boards

Thomson Takes Individual Honors in Team's Second Win

Winning their second dual meet on the boards, the Technology first year track team piled up a score of 52 points to the Boston University freshmen's 20, yesterday. Thomson of the Tech team was the individual high scorer with thirteen points, garnered by taking two first places and a second. He won the shot put and the broad jump and trailed Schilling in the high jump by two inches.

Bolivar was the mainstay for B. U., winning both the 50 yard dash and the 300 yard run. Yesterday's win marked the second in as many meets turned in by the freshmen on the indoor track this season. Last week the team won the interclass meet by a close margin over the juniors.

The summaries of yesterday's meet:

- 45-yd high hurdles: first, Faatz (T); second, Franklin (B); third, McLellan (T). Time: 6½ sec.
- 50 yard dash: first, Bolivar (B); second, Lipnick (T); third, McLellan (T). Time: 6 sec.
- 1,000 yard run: first, Guerke (T); second, Oakes (T); third, Robbins (T). Time: 2:27.
- 600-yard run: first, Cooper (T); second, Moffat (T); third, Haskell (T). Time: 1:21.2.
- 300-yard run: first, Bolivar (B); second, Pulsifer (T); third, Franklin (B). Time: 34 sec.
- Shot put: first, Thomson (T); second, Lynch (B); third, Webster (T). Distance: 44 ft. 8¾ in.
- Broad jump: first, Thomson (T); second, Parnell (B); third, Lipnick (T). Distance: 19 ft. ¾ in.
- High jump: first, Schilling (T); second, Thomson (T); third, Sabi (T). Distance, 5 ft. 6 in.

Fencers Face Two Foes in Maryland

Three Weapon Team Meets Navy and Baltimore in Busy Week-End

After their decisive triumph over the Brown fencers, the varsity foils-men will meet a very strong Navy team at Annapolis tomorrow. Tonight the team is expected to defeat a three weapon team at the University of Baltimore, as a warm-up before the match with the experienced and clever Midshipmen Saturday.

This season's record, although rather spotty, is decidedly better than previous showings, for a steady improvement has been noted in scores, both in foils and in the weapons.

The line-up for the Navy meet is as follows:

- Foils: Capt. Williams, Toorks, Ozol.
- Epee: Martin, Fenlon.
- Sabre: Suarez, Martin.

SPORTS COMMENT

Obey O'Brien has played his last basketball game for Technology. The Engineer varsity's final contest in Providence last Wednesday night marked the passing of one of the best players and most colorful figures ever to represent Technology on the court. For the past three years, Gene O'Brien has without a doubt been a universal favorite with all the spectators at the Hangar Gym games, and his presence is sure to be missed by many when next winter rolls around.



GENE O'BRIEN '34

In his first year at the Institute, O'Brien was chosen captain of his freshman team, and led it to a record which, although not unusual, was better than that of any yearling quintet since then. He led the team in scoring, although kept out of several games by a knee injury. The following season, that of 1931-32, was a successful one for O'Brien. He started his career as a varsity player very auspiciously by scoring sixteen points in the opening game against Newport Naval. He kept up his good work for the rest of the year and finished as the team's leading scorer, tallying 127 points in eleven games, of which the team won seven.

Last winter, though he was being closely guarded by the opposition, O'Brien far excelled his efforts of the previous season. Together with Captains Adam Sysko and Fred Feustel, and Tom Shaughnessy and Pat Amenta, he was a part of the best Engineer quintet in recent years. The team won ten of its twelve games, and was universally chosen by the sports writers as Greater Boston champion. O'Brien, who scored 150 points to lead the team, again was picked on the all-Boston team and on the second All-New England five. He was unanimously elected to lead the team for the following season.

This winter the team's record has been rather poor, and there were many who thought that O'Brien had lost some of his old-time form. Undoubtedly the burdens of the captaincy added to his worries. In the last few games, however, the Technology leader showed the fans he was still the O'Brien of former seasons. His inspiring play against Brown in the final game was a fitting conclusion to such a career as his. We of THE TECH sports staff are sorry to see him go; he made the reporting of the games a real pleasure.

Swimmers Hold Championships

Brown Favored to Retain Title in Title Meet; Vaughan Tech Favorite

With a number of the best intercollegiate swimmers in the East and country competing for individual and team honors, the New England Intercollegiate championships will get under way this afternoon at 2 o'clock at the University Club in Boston. The colleges represented are Technology, Amherst, Bowdoin, Brown, Springfield, Wesleyan, Williams and Worcester Polytechnic Institute.

With practically most of last year's championship team back, Brown is a strong favorite to retain its title. Such men as Lee, record holder in the 220 and 440-yard free style; Stanton, in the 100-yard backstroke, and Lewis, in the 50 and 100-yard dashes, are figured to score heavily, while the 400-yard and 300-yard medley relay teams are favorites.

The preliminaries in the dives and several individual events will be staged on Friday afternoon, with the trial races being held in the evening. On Saturday afternoon, the finals in all remaining events will be held.

The First Church of Christ, Scientist

Sunday Services 10.45 a.m. and 7.30 p.m.
 Sunday school, 10.45 a.m.; Wednesday evening meeting, 7.30 p.m.; in the church edifice, Norway, Falmouth and St. Paul Streets. The church is open to visitors Wednesday and Friday from 10 a.m. until 5 p.m.
 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.

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Fitchley

FIFTH AVENUE
 NEW YORK

Coolidge Draws 300 at Physical Society Lecture

States New Inventions Are Not Suppressed Because They Are Too Good

SEES RESEARCH FIELD

"There is a large and rapidly growing field for the physicist in university, industrial, commercial, government, and private laboratories," declared Dr. William D. Coolidge, nationally and internationally known physical chemist, as more than 300 faculty and students thronged the Eastman lecture hall at a meeting of the Physical Society last Wednesday.

In supporting his statement, Dr. Coolidge cited instances from his own experience in the General Electric research laboratories in Schenectady. In the infancy of that institution he started his career as an assistant. He is now director of research in the employ of that company.

Physicist Must Be Investigator

He warned prospective physicists not to get the impression that research in physics merely means taking accurate measurements, declaring that: "The man who merely makes the measurements will never be anything but an assistant. The research physicist must be an investigator and must be capable of taking the problem and getting the answer." He added that 15% of the money given to research at General Electric is for fundamental research.

Efficient Inventions Never Shelved

In depicting the life of a physicist in an industrial laboratory, Dr. Coolidge said: "There may be many reasons for not marketing a new device, but it won't be because it's too efficient, or has too long a life, or is too good in any other way."

In closing, the former Technology professor detailed the things that he considered make the field of the physicist a wide one. Among them he named: Biology, physiological effect of X-rays, production of mutations in plants and animals by radiation, electronics, mechanical vibrations and the reduction of noise.

DORM COMMUTERS DANCE TO HAVE "JAIL" NOVELTY

(Continued from Page 1)

between dancers. The maximum time of confinement will be two minutes, with the girls being released first. All "ex-convicts" will have the privilege of cutting in on anyone. Those resisting cutting in will be jailed. The plan will cause a continual shifting of partners.

Music for the occasion will be furnished by Ken Reeves and his Cavaliers. Reeves played at the Simmons News dance at the Statler on Feb. 24 and the Radcliffe Junior Prom on Feb. 23.

Are You Prepared for That Dance?

Learn to Dance Latest Steps from LOUIS LERNER "Boston's Leading Dance Master" Latest Ballroom Dances "400," Foxtrot, Waltz, Tango, etc.



335 MASS. AVE. TEL. CTR. 9248 Buck and Wing, Soft Shoe, Waltz Clog, Eccentric, etc. Special Rates to Students!

Bankers, Brokers Ball to Be March Thirtieth

In the world of science, every effort must have its cause. Proceeding on this theory, the TECH reporter has finally been able to find the cause of the draping of the Institute bulletin boards with streamers of red ticker tape. To wit, it is being used to call attention to Corporation XV, the society that prefers stocks and business cycles to ergs and angstroms, in anticipation of their Bankers and Brokers Ball, scheduled for March 30 in Walker.

The Corporation is using this formal dance as a means of initiating the unwary scientists into the intricacies of stock market operations; for, if the stock named by the customer at sign-up time increases in value, the lucky purchaser will be given a sizeable refund from the original purchase price of \$1.50. If, however, quotations on the stock fall off, no additional payment will be required; this, according to the seers of Courses XVII, VII, or even II, is a one-sided policy, and tends to conform our belief that, as business men, the Course XV boys are not so hot.

MORRIS CONTINUES C. E. SYMPOSIUMS ON WORLD AFFAIRS

Reviews History of Europe; Hits Treaty of Versailles Boundaries

"The Scientist Looks at Europe Today" was the subject of a symposium conducted by Professor Frederick K. Morris of the Geology Department under the auspices of the Modern Scientific Trends division of the Civil Engineering Society. Professor Morris reviewed the history of Europe and outlined the distribution of its natural resources.

He asserted that the Versailles treaty settled the entire matter of boundary lines incorrectly, since it took from Germany every means she had of reorganization according to a natural order. The policy led only to the re-creation of the fundamental cause of the last war—over-population.

Next Tuesday at 4 o'clock in Room 2-278 the Geology professor will again speak, and will tell something of the nature of the various races and the reason for their geographical situation.

JEWETT SELECTED LIFE MEMBER OF CORPORATION

(Continued from Page 1)

neering. After completing his studies at Technology, Dr. Jewett entered the American Telephone and Telegraph Company as a transmission engineer. He was promoted to various positions of executive responsibility, and in 1925 assumed his present duties.

Since his graduation from Technology in 1901, Mr. du Pont has been closely identified with the development of the du Pont de Nemours Company. He began his career as a draftsman in Philadelphia, and joined the company of which he is now president in 1902. He is a member of numerous clubs and is a life member of the Technology Alumni Association.

DESPAIR

(Continued from Page 2) lost, and who have no faith. These

Sophomore Dance Suffers Deficit

Losses Roughly Estimated as Equal to Cost of Chorus and Floor Show

Because of the comparatively small attendance, the Sophomore Hop suffered a loss roughly estimated by committee members as equal to the price of the floor show. About two hundred couples attended the dance which was held in Walker last Friday. Chairman Phillip Briggs, President of the Sophomore class, had nothing to say regarding the deficit.

Two floor shows were presented during the evening. At eleven o'clock, the Prom Girl, Miss Marjorie Peterson, arrived. She was presented to attendants and members of the committee. Later, she and members of the chorus and floor show participated in the general dancing. Refreshments were served throughout the evening.

The committee is planning another and informal dance to be held some time in the future.

League Discussed at Open Meeting

National Student League May Start First Chapter at Institute

The program of the National Student League, a student organization with chapters in about 180 colleges throughout the country, will be discussed in an open meeting this afternoon at 4 o'clock in Room 4-231. The possibility of starting a chapter of the N. S. L. at Technology will also be discussed.

This organization is one of the largest student organizations in the country. It is guided in its policies by a program formulated at its annual convention, which is made up of representatives of the local chapters. The program states the attitude of the National Student League toward retrenchment in education, militarism in education, racial discrimination, abrogation of the rights of free speech, and other student problems. The last convention was held in Washington, D.C., during the last Christmas vacation.

All those interested in the National Student League and its program are invited to attend the meeting.

individuals are really the lost souls of our generation, they are the living tragedies of our time. They are the sheep without a fold.

It is no use to advocate a blind and boundless faith—this is too much to expect. Intelligent people can no longer look for any immediate solution of the world problems. Possible there will eventually evolve some sort of stability—the prospect is certainly not in view. What, then, can be offered to those weighed down by despair? Only this—the lesson of the Stoic, with an important modification.

SERVO-MECHANISM SHOWN BY PROFESSOR H. L. HAZEN

(Continued from Page 1)

sists of an open slit in an otherwise dead black sheet of metal through which the paper on which the curve is drawn can be seen by a photo-electric cell or "electric eye." This slit, and the paper under it, is brightly illuminated by a small electric flash-light lamp. If the slit is entirely over the blacked portion of the paper, the photo-cell gets very little light. If the slit is entirely over the white paper, the photo-cell delivers to the amplifier a current which depends upon the amount of light that enters it, and the amplifier in turn delivers to the motor a current depending upon the current delivered by the photo-cell.

Motor Regulated by Photo-Cell The electric circuit is so adjusted that if the photo-cell receives too much light the motor runs in one direction, while if it receives too little light the motor runs in the opposite direction. This motor, through the torque amplifier, drives the slit by means of a screw and nut, the torque

Heavy Love Scene From "What Again"



Robert E. Lindenmeyr, '35 and M. Scott Dickson, '34

GLEE CLUBS SING OVER NATION-WIDE BROADCAST CHAIN

Ninety Simmons and Technology Students Present Dual Concert Tonight

Surmounting difficulties connected with obtaining a coast-to-coast broadcast network, the management of the M. I. T.-Simmons Glee Clubs Concert has arranged to broadcast its program nationally, originating at Station WBZ.

Miss Marjorie Nash, young Simmons graduate, will be featured as lyric soprano soloist. She is making the trip here from New York especially for this concert.

The concert, at which the voices of forty Simmons students and fifty Technology men will blend, will be held at Jordan Hall this evening. Admission prices range from 25 cents to \$1.50.

PROGRAM

- COMBINED GLEE CLUBS
- Missa Brevis (In four parts) Palestrina
- MARJORIE NASH, Soloist
- M. I. T. GLEE CLUB
- Jerusalem
- The Old Woman
- Down Among the Dead Men
- INTERMISSION
- SIMMONS GLEE CLUB
- Rejoice Ye Pure in Heart
- Flower of Dreams
- Spring
- Morgen
- My Johnnie Was a Shoemaker
- Cherubim
- COMBINED GLEE CLUBS
- Tchaikowsky

amplifier serving merely to increase the horsepower effect of the motor.

The direction of the drive is such that if the photo-cell sees too much white paper through the slit, the motor will drive the slit toward the black part of the paper, while if it sees too much black, the slit is driven toward the white part of the paper. When the paper seen by the photo-cell is half black and half white the motor has no current through it and does not turn. Thus the center of the slit is always kept on the boundary between the black and white portions of the paper. If now the board on which the paper is mounted is moved in a direction at right angles to the direction in which the slit is moved by the motor, the servo-mechanism will operate so as to keep the center of the slit always over the line dividing the black and the white. At the same time that the motor moves the slit, it turns another shaft which it is desired to move in accordance with the curve on the paper.

Brake Is Necessary

To prevent the slit traveling too far, suitable "damping" or braking is provided which stops the motor just as the slit has reached the correct position. It is very important to design a servo-mechanism with just the correct amount of this "damping."

In the motor lies the secret of the rapid action. The moving parts of

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Lindenmeyr and Dickson Lead in 1934 Tech Show

Dress Rehearsals Will Begin Next Sunday Evening in Walker

TO SATIRE CONDITIONS

Hero and heroine of "What, Again!", the 1934 edition of Tech Show, will be played by M. Scott Dickson, '34, and Robert E. Lindenmeyr, '35. Dickson, who plays the part of Roger, the hero, is a graduate of West Point, where he wrote what was the most successful and popular Hundredth Night Show, in which he took the leading part and coached the dancing. Lindenmeyr, who plays the part of the fair "Gladys," has never acted before.

"What, Again!" was written by Robert M. Becker, '34, and Arthur B. Ellenwood, '34. It is a full-length musical comedy satirizing present day conditions and governmental action. Rehearsals are under the direction of Professor William C. Greene of the English Department, and Langdon Matthews, professional dance coach of Boston and veteran of Tech Show choruses.

Music for the show was written by Eugene S. Clerk, '34, and George E. Weustefeld, '34.

Fancy dances this year will be a "mechanization ballet" and a penguin dance with its setting at the South Pole. It is unofficially hinted that a live penguin will be imported to the Main Lobby for demonstration on Monday.

Completion of the erection of the stage, which will be in Walker Memorial, takes place today. Although this involves more work for the stage crew, it is felt that the use of the gymnasium in preference to a Boston theatre has a greater appeal to Technology men. Dress rehearsals take place Sunday, Monday and Tuesday; the show will be presented Wednesday, Thursday and Friday evenings.

this motor have very little weight, the iron which usually rotates having been made stationary. As a result, this motor can start and stop with great rapidity and takes but little current.

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Many individual styles of the finest imported fabrics for your selection.

Special discount to Students.

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ANSWER TO POLL

(Continued from Page 1)

if the effect were to make a man physically and culturally fit, then I think the idea is a good one. If, on the other hand we were, as human beings are apt to do, to waste time, it would be a bad thing. Members of the staff could use to advantage a day for reflective thinking. We have far too little time for that."

Miss Broderick: "The student needs more time to himself; he should not have to come in Saturday. It is an excellent plan."

Dr. Jerome C. Hunsaker: "I think it's a swell plan. If a man is ahead in his work he can devote his spare time to advantage, and if he is behind he can devote it to catching up. One hour of 'uninterrupted research' for a man on the staff, an hour between classes, for example, is worthless. Perhaps this time would be wasted, but sometimes a man needs to waste time for the good of his soul. I would consider a man's going fishing wasted

time only if he did it to escape some job. The 'new era' has given us much spare time. For those people who are unable of themselves to devote this time advantageously, some means of organized recreation must be provided."

William Jackson, Information Office: "I think it's a good plan to loaf on Saturday anyway. Very little is accomplished on Saturday mornings. What the student needs is more recreation."

Professor William H. Timbie: "Frankly, I do not know where the advantage lies. It does give men who are doing research or writing a book a chance to conduct uninterrupted research. There is some difficulty in arranging schedules for a five day week. We have consulted men at Harvard who have considered this plan, and find that the best arrangement is to have the major subjects on alternate days. This, of course means a six day week. There are advantages either way."

Professor Karl L. Wildes: "I think that the plan is a very good one, with the provision that the library and laboratories remain open on Saturdays. It should work very well for upper-classmen, but as to the advisability of the plan for freshman and Sophomores, I cannot say."

Coach Henry P. McCarthy: "The

plan has many features to recommend it. It's not a bad stunt after all. It would give the students an opportunity for recreation over the weekend. Yes, I think it's a pretty good idea."

Professor Frederick K. Morris: "Simply as a blanket proposition it would be good, but it would depend on the nature of the student body whether they benefit from this spare time or use it as a means of putting work out of their minds. If well used, however, it could be a good thing. What is more necessary is a vigorous enthusiasm for work done, rather than more leisure."

Registrar Joseph C. MacKinnon: "It might be tried. Whether or not it is desirable would be determined after it has been tried."

Professor Joseph W. Phelan: "Well, I really haven't any opinion. I can't see any advantage in going over to the five day week. In fact there seem to be some disadvantages. As far as my department is concerned we could handle it all right."

Professor William C. Greene: "It would be a distinct advantage for the commuters and those who could get part time employment on Saturday. As far as 'cultural development' is concerned, it would simply mean that students would sleep at home on Saturday instead of in classrooms."

Dr. George W. Morse: "I am heartily in favor of it. It's a good idea from the health standpoint."

Professor Dean M. Fuller: "It would be money in the pockets of the commuters. Its importance aside from this is not far reaching. The students would probably use Saturday for lab periods or drawing periods just as they do now."

Professor Charles F. Parls: "A good idea if it would not mean crowding the students during the week. The attention of the Faculty should be directed to the needs of the students, and if the new system would be more convenient for the students it should be adopted even if it were slightly inconvenient for the instructing staff. I am against it in involves setting the hours back to eight o'clock, which would be a gr.a. hardship to the commuters."

Professor Newell C. Page: "I cannot see any impelling need for the change. Courses requiring research have scheduled hours for that purpose."

Professor Ralph G. Hudson: "We are practically on the five day week now. Many students would be able to improve their financial condition if the Saturday classes were eliminated. As it is, a single hour on Saturday morning affects the disposition of the entire morning. It is quite probable

that students in architecture and chemistry may be required to work on Saturday morning as usual."

Professor William T. Hall: "I disapprove of anything that might lower the standards of the Institute. However, I find that many men, after dances on Friday night, are half-suited to classes the next morning."

Professor Robert E. Roge s: "The change would not result in overcrowding classes during the week, because the average number of Saturday classes is small. It would obviously be of benefit for the commuters."

Uncle Jim was fond of teasing his small, serious-minded nephew. "Do you suppose the moon is really made of green cheese, Robert?" he asked one day. Robert considered the question solemnly and made this logical answer. "It can't be, Uncle Jim because God made the moon two days before he made the cows."—*The Text.*

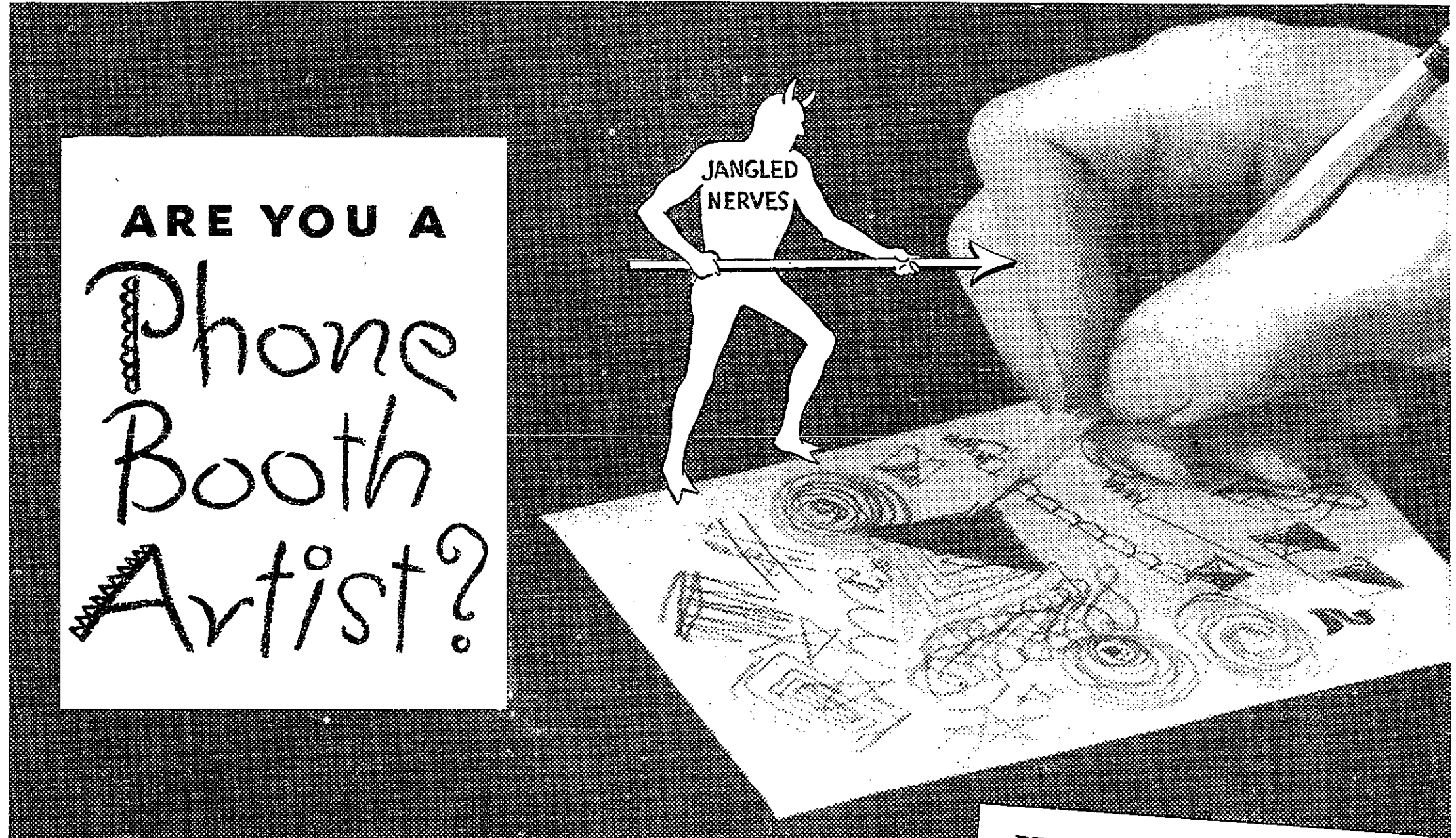
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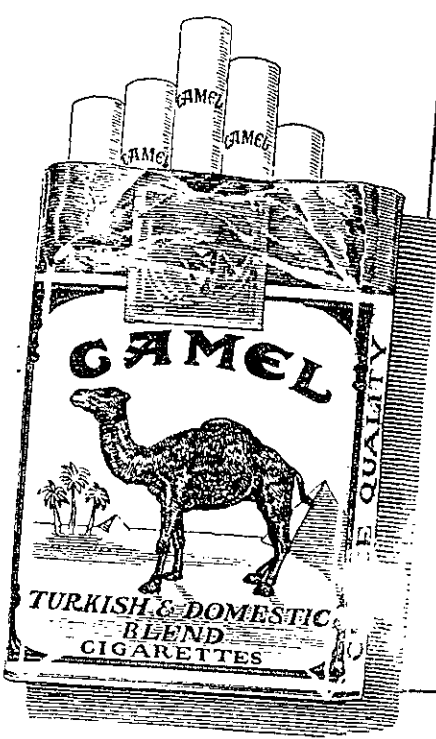
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090628	987654

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Frank J. Marshall (Camel smoker), chess champion, picked the two numbers in thirty seconds.

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CALENDAR

Friday, March 9

- 4:00—New England Intercollegiate Swimming Championships, University Club Pool, Boston.
- 4:00—National Student League Meeting, Room 4-231.
- 5:00—Radio Society Meeting, Dr. H. L. Hazen on "Servo-Mechanisms," Room 10-275.
- 7:30—Tech Show Rehearsal, North Hall, Walker Memorial.
- 7:30—Sigma Chi Basketball, Hangar Gymnasium.
- 8:00—Swimming Championships, University Club Pool, Boston.
- 8:15—Glee Club Concert, Jordan Hall.
- 9:00—Dormitory-Commuters Dance, Walker Memorial.
- 9:30—Rogers Association Babylon Dance, Boston Architectural Club, 16 Somerset Street, Boston.

Saturday, March 10

- 1:30—Technology Christian Association Luncheon Meeting, Faculty Dining Room.
- 2:00—Swimming Championships, University Club Pool, Boston.
- 6:00—International Students' Club Dance, North Hall, Walker Memorial.
- 7:30—Tech Show Rehearsal, East Lounge, Walker Memorial.

Sunday, March 11

- 4:00—Society of Arts Lecture, Mr. Horace T. Mann on "Oil—The Black Gold."
- 4:30—Electrical Engineering Colloquium, Eastman Lecture Hall.
- 5:00—Tech Show Orchestra Rehearsal, North Hall, Walker Memorial.
- 6:00—Drama Club Dinner, Faculty Dining Room, Walker Memorial.
- 6:15—Dormitory Dinner Club Meeting, Grill Room, Walker Memorial.
- 7:30—Tech Show Rehearsal, East Lounge, Walker Memorial.
- 7:30—Dormitory Basketball, Hangar Gymnasium.

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WRESTLERS SEEK CHAMPIONSHIP

(Continued from Page 3)
 It was announced last night that Boyan, who has been wrestling in the 145-pound class, is entered as a 135-pounder. At the same time, Ricks

announced that McCaughan, who has a clear record in New England, will be able to wrestle in the 175-pound class.

Marderosian Expected to Win
 Marderosian, clever 125-pounder, is the other probable winner in today's meet, although he will have strong competition from Frankel of Harvard. The others entered today include Oshry in the 145-pound class and Isb'ister in the 155-pound class. Graham, who was to enter as the heavy-weight, will not be able to compete because of an injury.

Mostafa, Technology's only varsity winner last year, is now in Alexandria, Egypt, where, during his spare time, he is coaching several boys' wrestling teams.

Individual winners in the meet are awarded medals, while the winning team is given a trophy.

Since both Harvard and Yale are also members of the Eastern Intercollegiate Wrestling League, it is not expected that these teams will enter all of their first string men.

Freshmen Expected To Do Well
 Making the trip at the same time with the varsity is this year's powerful freshman team. Led by such consistent winners as Cestoni, Testa and Heel, the boys are optimistic and expect to bring back their quota of honors. Cestoni, who wrestles in the unlimited class, has this season lost but one match, and that was after a spectacular overtime bout with the



Cauchon and Lysleur, portrayed by Silvain and Shultz in "The Passion of Joan of Arc," at Fine Arts Theatre

Springfield heavyweight. The freshman individual winners also receive medals for first, second and third places. The winning team will also receive a permanent trophy.

It is not law that makes the custom, but custom that makes the law.
 —Brand Whitlock.

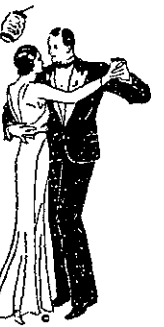
George Washington could not tell a lie—but nowadays we're more accomplished.—The Duke Chronicle.

READ & WHITE

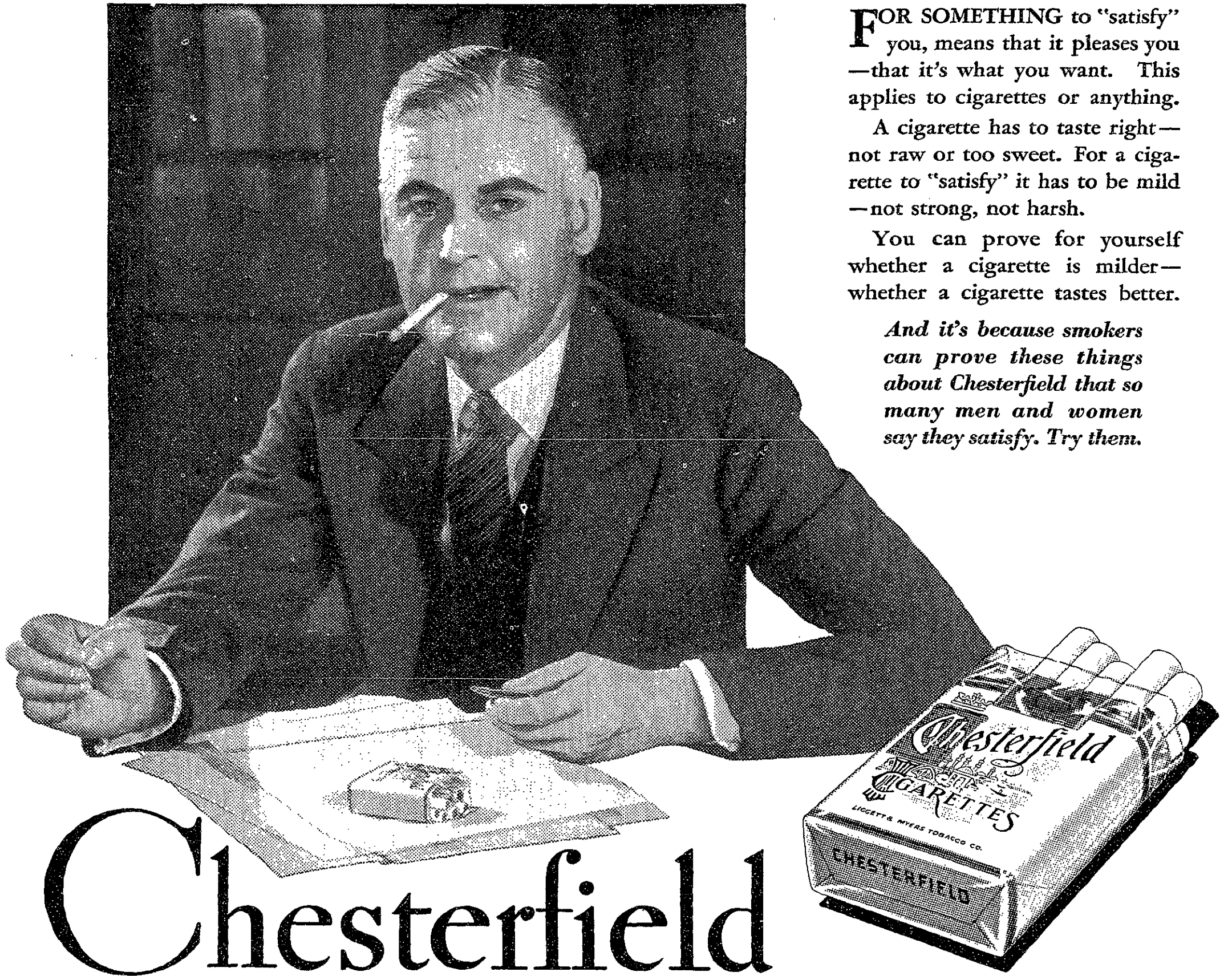
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