

Cadmium is Made From Silver in Public Lecture

Dr. Van De Graaf Demonstrates Fulfillment Of Dream Of Alchemists

Artificial Radio-Activity Produced By Radium Rays

Transmutation Made Visible And Audible To Audience By Geiger Counter

Transmutation of atoms by the production of artificial radio-activity was shown before a public audience Sunday afternoon when Professor Robert J. Van de Graaff changed the atoms of silver into cadmium in the Society of Arts lecture at the Massachusetts Institute of Technology.

In his transmutation experiments, Dr. Van de Graaff employed radium emanation to produce artificial radio-activity. The alpha particles from the radium emanation were made to strike the metallic element, beryllium, causing it to emit neutrons which, upon striking silver, caused the latter to become artificially radio-active. About 20 seconds after these infinitesimal flying particles had bombarded the silver atoms, some of them spontaneously shot out an electron, thus transmuting themselves into cadmium.

Evidence of the transmutation was both visible and audible. The flying
(Continued on Page 4)
Atoms

Technology Students See Talking Pictures Tomorrow Afternoon

Civil Engineering Society Will Show T. V. A. Movies

Talking motion pictures will be shown to Institute students tomorrow in Room 10-250 at 4 o'clock when the Civil Engineering Society presents four reels on the Tennessee Project.

Made under the supervision of the Tennessee Valley Authority, this picture is one of the first talkies to be shown at Technology, making use of the sound apparatus in the main lecture hall.

The A. S. C. E. has invited all students and members of the Faculty to attend the showing of the picture. The films themselves were taken by Technology students with the aid of the authorities who showed them courtesies in getting advantageous shots of construction work and the model homes of the workers.

Revival Of Art Of Stained Glass Window Making Told By Authority

At the weekly dinner of the Graduate House, held in the North Hall of Walker Memorial on the evening of March 6th, the speaker for the occasion was Mr. Joseph G. Reynolds, an internationally known expert and artist on stained glass windows. Although the United States can boast of possessing most of Mr. Reynolds' work, nevertheless his work is to be found widely distributed over the continent of Europe where he has recently been awarded a number of the highest honors and prizes for his craft.

Originally Mr. Reynolds studied architecture, and upon completion of his academic work went to Europe where he again took up study this time along the line of art in which he is now engaged. He has designed the windows for the Wellesley College Chapel and a number of other churches in this part of the country, among which must be mentioned the River-

Compact Taken From Dorm Means Reward—Or Fight

"Lost, strayed or stolen—one black and silver compact, taken from dormitory room on open house night. \$5.00 reward, no questions asked."

That, in brief, is the sad story of Samuel J. Loring and his guest at Open House. The first notice that amused dorm bulletin-board readers offered a small reward, which gradually increased to five dollars plus another compact. Then after using a somewhat conciliatory tone, later notices offered to fight anyone who had been near the room in question.

These notices, of course, were fair game for the dormitory note-writers, and in a short time the bulletin-board was decorated with answers to his challenge.

Prom Continues Signups All Week

Invitations Ready Now; Favors, Gifts Will Be Given At Ballroom

Junior Prom signups will continue for the remainder of this week, the committee announced yesterday. They may be made at the table in the Main Lobby from 11 to 2 o'clock.

Engraved invitations are also available, and although sufficient reservations have been made to exhaust facilities, there are still many un-called for invitations.

Surprise favors, and gifts for the girls attending have been promised by those in charge.

Members of the Junior Prom Committee are Michael A. Kuryla, '36, class president, and the following members of the Class of 1936: John C. Austin, Richard A. Denton, William B. duPont, Charles R. Holman, and Fletcher P. Thornton. Alternates are Charles M. Saffer, Jr., Lawrence Kanters, and John D. Gardiner.

Officers of 5:15 Club Will be Guests at Dance

Committee Chairmen Nominated At Last Week's Meeting

The retiring officers of the 5:15 Club will be the guests of honor at a dance to be held during the evening of Saturday, March 16. At that time the new officers will be in charge. They are headed by George M. Robinson, '36, president; Leonard B. Chandler, '36; W. Vernon Osgood, '36; Robert S. Gordon, '37; Anton E. Hittl, '36; and Richard S. Dewolfe, '36. At a
(Continued on Page 4)
Commuters Club Dance

Gridiron Inducts Twelve New Men in Honorary Society

George Glendining To Speak At Annual Initiation Banquet

New Member Limited To Sixteen

At their annual spring meeting tonight, Gridiron will initiate twelve men. Following a new policy, they are limiting their membership to sixteen new men each year. The men who are to be initiated tonight are from *The Tech Engineering News*, *Voo Doo*, and *THE TECH*. Four men will be elected from *Technique* at the next fall meeting.

The speaker at tonight's banquet will be Mr. George Glendining, treasurer of the Banker and Tradesmen Press. Mr. Glendining will speak on, "The Publishing Business as a Vocation," and it will be followed by a short discussion period during which men from the respective publications will be free to ask questions.

The initiation will be conducted in the usual satirical manner after the speaker is finished. Following are a list of the men who are to be initiated:

From *T. E. N.*
Francis S. Ruffington, John C. Robbins, Jr., Paul W. Allen.

From *Voo Doo*
R. Vincent Kron, D. M. Emery, P. F. Peters, H. F. Homan.

From *THE TECH*
J. G. Loder, A. M. York, A. I. Rosh-kind, R. G. Vincens, J. A. Smedile.

After the banquet, which will be a roast turkey dinner, there will be a short business meeting at which officers for the coming year will be elected. The meeting will be held in the North Hall of Walker at 6:30 P. M. Sharp.

Research Assistant Develops Weather Condition Indicator

Athelstan F. Spilhaus Designs Instrument That Shows Weather

An instrument which analyzes temperature and relative humidity and in a single reading indicates prevailing weather conditions in terms of personal comfort has been developed at the Massachusetts Institute of Technology.

The designer of the instrument, which is known as an air mass indicator, is Athelstan F. Spilhaus, a research assistant in the division of meteorology. The device combines a bimetal thermometer and a hair-hygrometer which, reacting to temperature and humidity, register atmospheric conditions in a single reading. The air mass indicator is expected to be of special value for warning pilots of the dangerous conditions of temperature and humidity in which ice begins to form on airplane wings.

Identifies Air Masses

The new instrument does not make weather forecasts, but analyzes prevailing weather conditions. Its operation is based on the knowledge that indications of weather conditions are found by analysis of the great air masses of the atmosphere. These air masses arise in various parts of the world, and their characteristics are well known to meteorologists. They differ radically in temperature, moisture content and direction of movement. Changes in weather, such as snow, rain and wind, occur at the boundaries or fronts of these vast masses of air when contrasting masses meet.

The air mass indicator identifies the particular type of air mass prevailing in a locality and indicates the conditions it produces in terms of com-
(Continued on Page 4)
Weather

Students Attending R.O.T.C. Must Receive Immunization

All students who are to attend R.O.T.C. Camp this summer must be immunized against typhoid and smallpox at the Homberg Memorial Infirmary on the dates and at the hours indicated below:

TYPHOID INOCULATIONS
Friday, March 29, 1935, at 4 P.M.
Friday, April 5, 1935, at 4 P.M.
Friday, April 12, 1935, at 4 P.M.

Each student will report on all three dates.

Each student will report to the Infirmary for smallpox vaccination between 8:30 and 9:30 A. M. during the week April 22-27.

In order to obtain the reaction of the smallpox vaccination it is necessary to report for an examination one week from date of vaccination.

The above applies to all students who cannot present evidence of immunization within the last three years.

Dramashop Gives Two One-act Plays

Business Meeting Will Be Held Today; Plans Made For April Meeting

A special meeting of Dramashop will be held today in Room 2-178 at 5 o'clock. This will be a very important business meeting and all members are urged to attend.

Plans for the regular April meeting have been made, and include the presentation of two one act plays to be coached by Ruth G. Raftery, '33, and Ralph D. Morrison, '36. At this time plans will be made for next year. Tryouts for prospective members will also be held during April.

Meantime, rehearsals for the Dramashop production of Eugene O'Neill's "Beyond the Horizon" are nearing completion; three perform-
(Continued on Page 3)
Dramashop

Hunsaker Will Speak At Dinner of A. E. S.

Was In Charge Of Navy Aircraft Program During War

Professor J. C. Hunsaker, formerly vice-president of the Goodyear Zeppelin Corporation, internationally known as an authority on aeronautical engineering, will be featured speaker at a dinner meeting of the Aeronautical Engineering Society on March 21 at 6:30 P. M. in the North Hall of Walker Memorial. Tickets will be priced at seventy-five cents and everyone is welcome. They can be purchased at build-
(Continued on Page 4)
A. E. S.

Large Scale Model of Cape Cod Canal Made to Study Effect of Enlargement

A huge scale model of the Cape Cod Canal and Buzzards Bay is being built at the Institute to enable engineers to study in advance the effects of the proposed enlargement of the waterway. This model of the canal will show it as it will be when it has been widened and dredged to provide a waterway capable of accommodating large liners as well as naval vessels. The model will be 115 feet long and will occupy an entire building which has been set aside for this research.

The investigation is complicated by the fact that the average rise and fall of the tide in Cape Cod Bay is five feet greater than in Buzzard's Bay, a distance of 13 miles through the canal. There is also a time difference of three hours between the bays. As a result, the tide in Buzzard's Bay is rising while the sea is still falling in Cape Cod Bay, and vice versa. En-

Marderosian Wins Title in N. E. I. C. Wrestling Tourney

Oshry Takes Second in 135 Lb. Class As Team Ties Brown For Fourth Place

Tufts Wins Championship, Yale Second, Harvard Third

Peyton Sole Engineer Yearling To Score With Second In Heavyweight Class

Avis Der Marderosian polished off his intercollegiate wrestling career here Saturday by annexing the only Technology New England championship in the annual tournament held here Friday and Saturday. Co-captain Harold Oshry failed to reach the finals in his class, losing to Slate of Tufts who went on to win the title. However, he managed to glean a second place by winning his consolation bout.

The single win and the second place gave the Beavers a total of 10 points for a fourth place tie with Brown. Tufts won the team championship with 27 points, Yale was second with 22, Harvard third with 12 and Springfield, last year's winner, was last with eight points.

Newton Peyton was the only engineer yearling to place, with a second in the heavyweight class, and the team could do no better than bring up the rear in total points. The Harvard Freshmen won the title with
(Continued on Page 3)
Wrestling

Asymmetric Synthesis Accomplished by Use of Polarized Light

Direct Production Of Molecule Done For First Time At Institute

Direct production of an unsymmetrical molecule has been accomplished by Professor Tenney L. Davis and Robert Heggie of the Technology department of chemistry. Plants for ages have been producing such molecules in the form of sugar, nicotine, caffeine, camphor, quinine, and a host of other substances that are familiar and important in daily life.

Professor Davis and Heggie have accomplished what chemists call a total asymmetric synthesis by causing their chemical materials to combine in a beam of circularly polarized light. The experiments support the belief that plants accomplish their asymmetric synthesis by reason of the
(Continued on Page 4)
Professor Davis



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POPULAR MISCONCEPTION

THE FRATERNITY QUESTION

FRATERNITIES and the so-called fraternity question have been the subject of much controversy during the past two or three years. Unfortunately, both for the fraternity and those who discuss it, the attitude generally taken is one of misunderstanding due to the popular conception of the average fraternal society. Should those authors who generalize in their discussion of this society investigate their subject more thoroughly, they would find it impossible to make the generalizations which they have made and have been making during these last years.

It is currently stated that the fraternity, as an organ no longer necessary, is slowly fading from college life. While it may be true that certain social fraternal organizations are suffering this dissolution, no author is justified in applying to such specific cases the general term which is used. It is quite natural and reasonable that members of residential fraternities should resent this misapplication, since, in the opinion of those unfamiliar with the diversifications of the fraternity system, the incorrect use of the word "fraternity" casts reflections upon residential members. That the reflections cast are of a decided disrepute is all the more reason for indignation and resentment upon the part of a residential brother, although he may be an integral part of a national fraternity which is composed in large degree of chapters decidedly social in aspect.

To the brother of a fraternity of the residential type, his fraternity represents the nearest approach and the best substitute for his own home. Holding in mind the fact that the best work can be accomplished when the mind and body are placed in an environment similar to that to which they have become accustomed during the course of their life, one finds it reasonable to assume that the student choosing a residential fraternity chooses it because its ideals are nearest to those encountered in his home life. To the student living in such a fraternity, life in a social chapter consisting of several scores of brothers represents a superficial brotherhood. At best, the latter can have merely a shallow acquaintance with each other, or band into the smaller groups which eventually lead to the disruption of the whole chapter.

ADVERSIONS AND REVERSIONS

NEW PROBLEMS; NEW ATTITUDES

IN a world of swirling intellectual, religious, and political currents, it becomes progressively more difficult to isolate any one phenomenon and analyse it. What is the attitude of present day youth toward religion? While one minister declares one thing, another will just as vigorously state the opposite. Conditions which make it difficult to appraise the American youth's attitude on this subject are his not-too-consistent up-bringing and the nebulous interconnection between religion and other world questions.

Coming perhaps, from a home where agnosticism is taken as seriously as the orthodox theology as his forbears, the American youth is faced with distinctly new problems. A rapidly accelerating tempo of life has deprived him of a religious education. Amid varied distractions he hasn't the time to go to church.

No doubt youth is presenting the church a problem of the first magnitude. How are min-

isters to satisfy a group of students who want to discover a universal Purpose or Meaning to life, while in the background lurks the realization that science, in which they have placed their faith, has found no evidence of any such Purpose or Meaning? Science for many of us has reduced the universe to a "purposeless physicochemical mechanism which accidentally came from nowhere . . . to which we have no more ultimate significance than flowers have to the weather."

The rapid growth of technological research has led us to believe that science offers a way out of the blind alley in which civilization finds itself. The materialism of the twenties which was upset by the economic revolution of 1929 is now found "inadequate". We have for a time been fascinated by our cleverness in casting God out of the picture; we have revealed in a bath of destructive liberalism; with bright epigrams we have epitomized the soul-stirring discoveries of modern science, which, while not disproving God, offers no reason for the hypothesis of His existence.

There has been a movement away from tradition, and now appears the reaction. We have been too obviously materialistic, and we discover that science, though creating horsepower aplenty, does not offer a very substantial building block for our religious edifice. One of the clearest statements of this change has been made by Dr. Charles E. Jefferson of New York: "Science has given us fresh revelations of a god of power, and also amazing revelations of a God of Law. But these are not enough. The physical universe does not make clear the fatherliness of God. Mountains and oceans declare the glory of God, but not his compassion. Astronomy and chemistry and biology do not speak the work which his heart craves."

A denial of the traditional faith is not a move away from religion, however. Youth has before it a high ideal in the definition of religion given by the Jesuit, Father F. J. McGarrigle: "Whether a man have obligations of love and service to a God of infinite greatness in the form of panis et circensis, bread and amusements, whether he adore a creator or kultur, the view that a man has of his raison d'etre, the purpose of his existence, is, briefly, his religion."



Salesmanship

To be a good salesman, one must recognize opportunities, possess initiative, and most important of all, have a cast-iron nerve. It happened in a math class yesterday and concerned a salesman for the tabloid issue of THE TECH. He sat in the front row, his copies beside him, and watched the efforts of a fellow sufferer trying to work out "if the amount of light passing through a thin sheet of water—". The prof, also becoming bored, passed his seat, and nonchalantly picked up a copy of the paper. "That's Five Cents," instantly declared the young man. He made the sale.

Compliments

Not that we have anything against coeds personally, you understand, but we have it from reliable sources that a certain calc class has decided to do something about the coed who (or that) persists in waking the whole class up every few minutes by answering the purely rhetorical questions of the prof. And by the way—who was the student who got his face slapped for telling a coed she was a perfect gentleman?

Ballyhoo

Have you ever stopped to think about the various peculiarities and idiosyncrasies of profs and instructors in the 'Stute? Well, we did, and came to the conclusion that they were adopted just for the publicity. For example, no one would give "Newton" H. Frank a second thought if it wasn't that he has come to be inextricably entangled with "F equals Ma". And if Prof. Wiener shaved down to bed rock, remembered things with average success, and swore off peanuts, he would be just another Math Prof. So don't take their absurdities too seriously, boys and coeds, they're only practicing a very old form of publicity which Adam and

Eve started when they wore clothes just to be different.

Au Revoir

We hear with sincere regret that Professor Wiener leaves for China in July. The Lounger column will be a drab and uninviting corner of the paper without Wiener-jokes. Perhaps somewhere in China within the next year a Chinese Lounger will remark in a much more concise manner than we are accustomed to employ, "American Professor throw and catch rice in mouth superbly." Bon voyage Professor!

Tech Inquires Column Will Be Printed In Next Issue

Exigencies of space have prevented the printing of this week's THE TECH INQUIRES. The next issue will contain the discussion on the same question: "With what attitude do you regard the fact that Technology athletic teams are seldom victorious in their contests?"



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AT TRYING TIMES . . . TRY A Smooth OLD GOLD

Track Records Fall In Interclass Meet

Johnson, Stark, and McLellan Set New Indoor Marks; Juniors First

Three Indoor Interclass Meet records were broken Saturday when the junior class scored 54½ points to win the annual winter meet on the boards. Stan Johnson was the highest individual scorer. He won three events, placed third in another and tied for second in a fifth, for 20½ points.

Johnson added 10¼ inches to his former broad jump record of 21 feet 10¼ inches; he also came within one-fifth of a second of each of the hurdle records. In the pole vault, Stark and Donnan both tied for first at 11 feet 8 inches then in the try for a new record, Bill Stark cleared 12 feet 2 inches to add one and one-quarter inches to the old record. The third record was broken by Dave McLellan who ran the 300-yard dash in 33 2-5 seconds erasing Dick Bell's former mark of 33 4-5 seconds.

The meet was a great success and Oscar was so pleased that he presented as a grand finale a rather humorous manager race; the managers were not too eager to run and at the next meet Oscar may find a scarcity of managers.

Wrestling

(Continued from Page 1)

Springfield, Brown, Tufts, and Yale following in that order.

By winning the New England title, Marderosian climaxed four years of wrestling at Technology, during which time he has piled up an impressive number of victories in intercollegiate competition. As a freshman, he wrestled in the 118 pound class and won the championship in that class. Although he has never won a varsity title before, Marderosian has been the most feared in the 126 pound class for his full three years of varsity competition.

As a parallel to Marderosian's record, has been that of Oshry, one class heavier, who lost but two matches this year, one at Yale and the other to Slate of Tufts. He has also wrestled with the varsity team for three years and was a member of his first year team. At the beginning of this year, Oshry and Marderosian were elected co-captains to lead the team.

Newton Peyton, the sensational freshman who earlier in the year defeated Don Cestoni, the varsity heavyweight to win the title in that class in the All-Tech tournament, was defeated in the finals of Saturday's tournament but went on to win the consolation match for a second place. He scored the majority of the freshmen's points having scored counters by winning by falls in the preliminary and semi-finals.

The other members of the varsity team were all eliminated before the final round was reached. Clarke, Boyan, Heal and Cestoni lost in the semi-finals rounds.

Reviews and Previews

Drama Club presents "As Husbands Go"

For an amateur production, "As Husbands Go" did fairly well. What the players lacked in finesse and ability, they made up in effort and genuine amateurish naivete. It was quite amusing, for instance, to watch your former English instructor become eloquently pie-eyed, or to hear a Mechanical Engineering professor garbling mouthfuls of that which purported to be but hardly resembled Parisian English.

The story concerned itself with the trials and tribulations of Emmie Sykes (Ethel Elder), a widow with a grown daughter, and Lucille Linguard (Helen Ross), a married woman, who, during a trip to France, meet and seem to have fallen in love respectively with Hippolitus Lomi, (Fayette Taylor) a queer type of amorous, money-grabbing Frenchman, and Ronald Derbyshire (Mr. Albert Lawrence), a young English poet.

When they return home the tasks of breaking the news to Lucille's simple, lovable American husband Charles (George Harrison) and of reconciling Emmie's daughter Peggy (Ruth

Boxers Close Season By Tying Gymnasts

Small Crowd Sees Technology Lose On Unfortunate Breaks

After an afternoon's hard struggle, the Technology fisticufflers' meet with the Springfield College leather pushers ended in a tie, each team having 4½ points apiece. Until the end, the Institute's boxers were leading; Mike Kuryla, engineer heavyweight, dislocated his shoulder in the early part of the first round of his match, giving the visitors the decision on a technical knockout, thus tying the score. Elmer Wirtz, 155 pounder of M. I. T. and Joe McCluskey put on the hardest fought battle of the afternoon, the decision finally going to McCluskey. Jimmy Casale of Tech came through with another win to his record by out-punching and outboxing Vin Bradford for a decision.

The last two events of the afternoon were divided between both teams. Walter Mathesius, 175 pound engineer, kayoed his opponent in the second round; after which the visitors took the last bout on the aforementioned technical knockout.

Summary:

Dramashop

(Continued from Page 1)

ances will be given on the evenings of March 21, 22, and 23 at 8:15 P.M. in Rogers Building. Professor Fuller is acting as director and coach.

Tickets may be purchased from members of Dramashop, or may be obtained in Room 2-176, or at the door.

Evans) become insurmountably difficult. The glamor of France fades away under the realistic problem of separating from their beloved ones. "Hollywood Holiday" provides evening's amusement

After seeing "Hollywood Holiday" at the Plymouth, you have to agree that Bebe Daniels, Ben Lyons, and Skeets Gallagher do "rate" as first-class comedians.

The three work together quite successfully to provide Kay Kenny and Douglas Gilmore's semi-farical comedy of the domestic and professional affairs of a married couple from Hollywood vacationing in New York with a happy combination of their respective different types of humor. Mr. Lyon is "the greatest box-office attraction", Miss Daniels is his wife, and Mr. Gallagher their butler who aspires to supplant Wallace Beery, in a fast and light comedy full of wise-cracks. You'll probably also like Louis Heydt who plays the part of a chemist and organizer of the Y.P.S.F.I.T.M.P. (Young People's Society for Improving the Moving Pictures). Shades of Technology! The play is excellent for an evening's entertainment.

L. A. S.

Gymnasts Beaten by Powerful Navy Team

Despite gallant efforts, the Technology Gym team was unable to cope with the superiority of the invading Middies who trounced them by the score 38-16 on last Saturday afternoon. The invaders started off well by defeating the Beavers on the horizontal bars, taking all three places. They followed this lead with another easy victory, taking all three places in on the side horse. On the parallel bars, they did not fare so well, only taking two of the three places; Lewis of Tech placing second to Remis of Navy who is Intercollegiate Champion in this particular event. On the rings, Captain Van Ham won first place after the honors had been erroneously given to a Navy man. Jack Flaitz won the tumbling event with his smooth somersault and half twist.

Beaver Nators Place Ninth in N. E. I. S. C.

Technology scored three points to place ninth in the New England Intercollegiate Swimming Association championships held at Wesleyan College, Connecticut, on Saturday, Mar. 9. Bernard Vonnegut was fourth in the 200-yard breast stroke, and Cleon Dodge placed third in the 300-yard individual medley.

Although Wesleyan, host to the visiting competitors, chalked up two new association records Brown University scored 36 points to retain its championship title.

Fencers Beat Norwich 10-7, For Third Win

The varsity fencing squad hung up its third win of the season last Saturday afternoon when it defeated Norwich University 10 to 7. On account of the gym meet in the Walker Gym scheduled for the same time, the fencers were obliged to use the 5.15 room as the scene of their action.

In the preliminary exhibitions, the picked all star team from the Providence High Schools defeated the yearling fencers 6 to 3.

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SPORTS COMMENT

The presence of President and Mrs. Karl Compton at the final game of the Tech Tournament for high school basketball teams Saturday night testifies for the interest which the tourney aroused this year. The President and his wife arrived just at the start of the game and were ushered into the reserved section, but there wasn't a single vacant seat to be seen. Henry McCarthy, director of the tournament, offered to make room for the Comptons, but they graciously refused and enjoyed the evening's contest from seats on the aisles.

* * * * *

Mike Kuryla's first start as a pugilist Saturday was unexpectedly cut short when his shoulder became dislocated early in his bout. Mike gamely wanted to continue, but Tommy Rawson convinced him that it was wisest to leave the ring. We are told that Mike's shoulder had been bothering him somewhat last week. Incidentally the workers who set up the improvised ring on the floor of the Hangar did a good job.

* * * * *

The Tech boxers received a lot of encouragement and moral support from three unescorted feminine rooters in the stands. The trio entered the Hangar while Nick Lefthes was swapping punches with his Springfield opponent. Immediately they began to cheer for Nick, but they didn't get warmed up until Elmer Wirtz' bout came on. From the support that Wirtz received from the three, more than one in the audience was led to remark that Elmer's feminine friends must have had quite an interest in him. Although most of the audience didn't know it, and lest any false impressions be created, the trio are loyal supporters of all of Tommy Rawson's pugilists, for they are Tommy's wife and daughters.

* * * * *

As expected, Lou Garono easily swept through all opposition in the Dorm squash tournament which concluded recently. Lou was seeded number one, and it was almost a foregone conclusion from the start that he would be the eventual titlist. Incidentally Garono is also one of the leading bowlers in the Dorm bowling league matches which are now being held. Lou is one of the main reasons why Walcott is on top.

Riflemen Beat Yale For Nineteenth Win

Technology riflemen defeated Yale, 1344 to 1291, on the Yale range Saturday, March 9, for the sharpshooters' 19th victory. This was the bulldog's second setback of the current season and a well earned victory for the engineers who also have lost only two.

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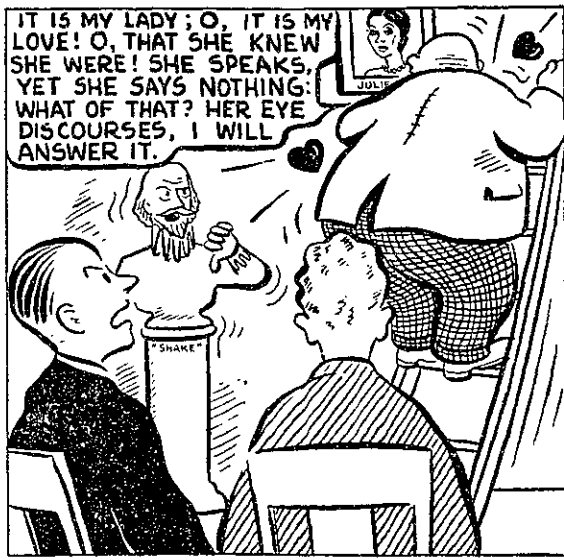


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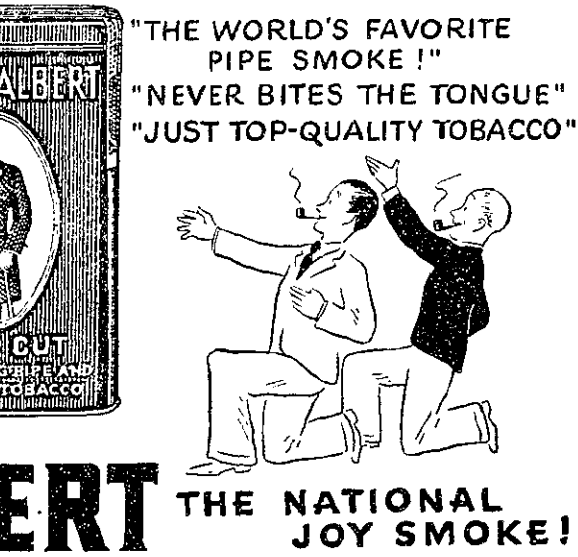
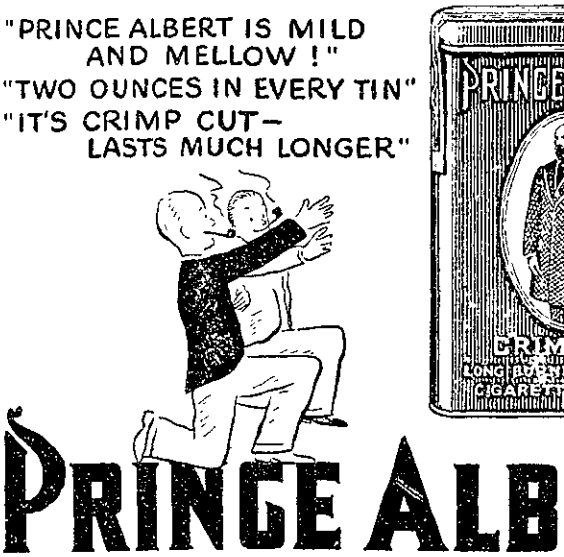
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PRINCE ALBERT THE NATIONAL JOY SMOKE!

CALENDAR

Tuesday, March 12
 5:00—Glee Club Practice, Room 10-250.
 6:30—Orchestra Rehearsal, Room 10-250.
 6:30—The Gridiron Club Dinner, North Hall, Walker Memorial.
 9:30—Tau Beta Pi Smoker, Faculty Dining Room, Walker Memorial.

Wednesday, March 13
 4:00—A. S. C. E. Meeting, Talking Pictures on the Tennessee Valley Authority, Room 10-250.
 6:00—The Graduate House Dinner, North Hall, Walker Memorial.
 8:00—Army Ordnance Society Smoker, Faculty Dining Room, Walker Memorial.

Thursday, March 14
 5:00—Institute Committee Meeting, East Lounge, Walker Memorial.
 6:30—Massachusetts Safety Council Dinner, North Hall, Walker Memorial.

Commuters Club Dance

(Continued from Page 1)

recent meeting the following committee chairmen were appointed: Dance—Richard A. Denton, '36; Smoker—Fred A. Wasserman, '37; Athletics—Gerald S. McMahon, '36; Budget—John J. C. Coffin, '36; and Anton E. Hittl, '36 was chosen as Publicity Manager.

Admission will be free to members, but will cost outsiders 50 cents. Dancing will be to the recordings of such famous orchestras as Guy Lombardo, Ozzie Nelson and Fred Waring.

A. E. S.

(Continued from Page 1)

ing 33 or from any of the members of the managing board of the Society, namely, Richard K. Koegler, '36, Jack I. Hamilton, '36, Norman A. Copeland, '36, George D. Ray, '36, Julius B. Schlieman, '36, and William R. Beye, '37.

Professor Hunsaker is quite well known in national aeronautical circles. He has, in fact, just returned from Washington where he served on the Aviation Commission. He is head of the Mechanical Engineering Department here at Technology and the founder of its Aeronautical Engineering Department. During the last war he was in charge of the navy's aircraft program and designed the NC type flying boats, one of which later made the first trans-oceanic flight over the Atlantic.

Professor Davis

(Continued from Page 1)

polarized light in which they live. Chemists have found that a large molecule built up by a synthetic process upon a smaller molecule which is already optically active often shows additional asymmetry and optical activity. The new part of the molecule builds up in a different manner than it would do if built up upon an inert molecule. Such a process is called a "partial asymmetric synthesis." Examples have been known for a number of years. But the production of the molecule which is optically active in the first place has remained to be explained.

Atoms

(Continued from Page 1)

atomic particles, moving at a speed of more than 100,000 miles a second, were shown by means of an instrument known as the Geiger counter, which, amplifying the atomic explosions millions of times, made them clearly audible. The energy involved in the transmutation was millions of times as great per atom as that for each atom of nitroglycerine in an explosion. The experiment, based on the investigations of Professor Enrico Fermi of Italy, were recently shown in this country by Dr. K. T. Bainbridge, who demonstrated the experiment before a group of physicists.

The structure of the atom and the processes of atomic disintegration were strikingly demonstrated by means of a mechanical model recently invented by Professor Richard Sutton

Weather

(Continued from Page 1)

fort as expressed by temperature and humidity.

The air mass indicator promises to be useful in indicating comfort zones of heat and moisture in air-conditioned buildings. Comfort at comparatively low temperatures requires higher humidities than the corresponding degree of comfort at high temperatures. Thus, with a high temperature the humidity should be low, while with a low temperature a high humidity is desirable. The reason for this is that at low humidities evaporation from the body is more rapid and the process produces a cooling effect. At low temperatures such a cooling effect is uncomfortable, and can be prevented by a higher humidity.

The value of the instrument to air pilots lies in its ability to register accurately and quickly the conditions of temperature and humidity in which ice begins to form. Hitherto airplane pilots have depended upon temperature indications alone for warning of ice formation. The air mass indicator shows that ice begins to form on the wings when the relative humidity reaches approximately 100 per cent and the temperature falls slightly below freezing. If the indicator needle begins to move to a lower temperature range and at the same time registers an increasing humidity, the pilot knows at once that he is entering dangerous air. A drop in temperature without a rise in humidity, however, would show him that there was no danger of ice formation.

Stained Glass

(Continued from Page 1)

ual decline in the work. In the last twenty-five years however, a revival has taken place and some notable works have come into being.

Mr. Reynolds explained the use of the primary colors with which the glass is actually stained in the manufacture and how the artist paints upon this with a paint composed of pigment and very finely divided glass chips so that the whole can be fired.

Exhibits Slides of Work

During the course of the evening Mr. Reynolds showed many colored lantern slides of his own work and that of ancient masters. In each case he gave a short historical account of the subject. A point which he emphasized was that a stained glass window unlike a picture cannot be moved to different surroundings but must be exactly appropriate in those for which it was primarily designed.

A window has many moods depending upon the time of day and the season of the year; this last fact was beautifully demonstrated by reducing the intensity of the light passing through the slide. By this means the audience was shown the interior of a cathedral in Paris at break of dawn, at twilight, at high noon and on a cloudy morning.

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