

'49 Graduation To Be Held In Rockwell Cage

President J. P. Baxter, Williams Representative, To Speak At Exercises

Dr. James Phinney Baxter, President of Williams College, will address the 83rd graduation exercises of the Institute on Friday, June 10. This Spring for the first time in many years the Institute's commencement activities will be held in Cambridge, and graduation exercises will take place in the Rockwell Cage, which was the scene of the recent inauguration of Dr. James Rhyne Killian, Jr., President of the Institute.

In announcing plans for commencement, Professor Ralph G. Huson, Chairman of the Committee on commencement, said that the baccalaureate service will be held in Walker Memorial at 11 a.m. on Thursday, June 9. The baccalaureate address will be delivered by the Reverend Carl Heath Koph, Minister of the First Congregational Church in Washington, D. C., formerly minister of the Mt. Vernon Church in Boston. Conducting the service will be Everett Moore Baker, Dean of Students.

Walker Staff Plans '49 Assemblies Ball

The annual Assemblies Ball is being held this Friday and Saturday, April 22nd and 23rd, in Morss Hall. Over three hundred fifty couples are expected to attend this fifteenth anniversary of the ball sponsored by the Walker Staff.

A reception for the Assemblies Ball Committee and the honor guests will precede the formal Friday night. Music for the formal will be supplied by Sammy Elsen, conducting Ruby Newman's Band. During the formal, which will last from 10 p.m. to 3 a.m., a buffet dinner will be held in the gym about midnight.

On Saturday night an informal dance will take place, and will be of the usual IDC type. Local entertainment will be provided each evening.

"Mr. Cruikshank" Takes Beating By Hard X-Rays For Humanity

A wooden man at the Institute, which is serving as a "guinea pig" for thousands of future medical patients, has probably been the target of more X-rays than any other human form in the world.

Dubbed "Mr. Cruikshank" by Technology scientists, this head-and-shoulders replica of a human head is used as a stand-in to study the medical effects of the super-voltage X-rays produced by nuclear science machines.

High Energy Rays
These radiations are of higher energy than those conventionally used in medicine and seem to be particularly useful against deep malignant growths. The wooden head is being used to compare the effects of the two types.

The head is constructed of wood and other porous materials in such a manner that X-rays fired at it can be expected to penetrate about as far, and with the same effectiveness, as they would in a human head.

The dummy's head is sliced along several cross-sections so that films and other recording devices can be slipped in when needed. After the head has been irradiated with X-

FESTIVAL PERFORMERS



Shown above are the Jan Veen Dancers of the Boston Conservatory of Music who will display their talent this Friday night at Regis College as part of the opening night show of the Greater Boston Student Festival. Also on the program will be nine other choral and dance groups from schools in the Boston area. (See story below.)

Dramashop Offers "Beautiful People" Friday, Saturday

The Dramashop will offer William Saroyan's play, "The Beautiful People," next Friday and Saturday nights at the Peabody Playhouse. Tickets are being sold for \$1.20 each for unreserved seats. The performances will begin at 8:30 p.m.

"The Beautiful People" tells the story of a good-for-nothing son of a good-for-nothing father (played by John Philip Benkard, '50), his sister Agnes (played by Peggy Irish), who looks out for the general welfare of the mice in the house, and their father, a philosophical chap, represented by William Miller, '51. The family's income is derived from the pension checks which are still sent periodically to the long-deceased previous owner of the house. What happens when the second son of the family (Stanley H. Sydney '52) returns from the big city is the subject of Saroyan's play, a typical example of his writings about naive, innocent people — "beautiful people."



Dr. John G. Trump, Associate Professor of Electrical Engineering, makes final adjustments in the base of the X-ray generator before it is used for irradiating "Mr. Cruikshank," wooden phantom man.

rays, these devices tell exactly the amount of radiation that reaches their locations, the equivalent of
(Continued on Page 4)

Colleges Supply Girls For Dance Gala Weekend Ended With Singing and Plays

Techmen have been given a sample the past week of what to expect at the Student Festival dance at 8:00 p.m. this coming Saturday night at the Mass. Avenue armory. Scores of girls from Boston Conservatory, Emmanuel, Regis, and Simmons have mingled amiably with surprised Techmen in Building 10.

In addition to hundreds of girls from these and other schools in the Boston area, there will be female flower vendors, fortune tellers, dart games, and professional entertainment during intermission to insure a well-spent evening for all. Tickets for the dance itself, at which the Harvardians are playing, are on sale for \$9.00.

Choral singing and modern dancing will be the order of the day Friday evening. The program by ten participating schools is scheduled to begin at 8 p.m., Friday evening. Among these groups are the Wellesley College Modern Dance Group, New England Conservatory of Music Madrigal Group, the Wheatones . . . and the MIT Quartet.

Four one-act plays are to be presented Saturday afternoon at two at the new Auditorium of Boston Conservatory. They are: "Winter Snow" by Orville Furdy, Boston College; "The Intruder" by Maeterlinck, Tufts-Jackson; "The Prince and the Page," Suffolk University; "Liliom" by Molnar, Emerson College.

An art exhibit consisting of oils, water colors, and sketches is to be displayed in the same building Saturday afternoon. Tickets for the entire festival cost \$1.50.

CORRECTION

THE TECH regrets to announce that it inadvertently forgot to include in its list of promotions Samuel J. Mason and Wilber B. Davenport, Jr., both of whom were advanced to Assistant Professors in Electrical Engineering.

REMINDER
SENIOR CLASS ENDOWMENT
CALL AT ROOM 2-125

New Engineering Degree Will Be Given This June For 2 Yrs. of Grad Work

NSA-PCS Extends Retailer Affiliation; Six Stores Added

Continuing to solicit new co-operators with NSA's Purchase Card System, the Boston regional office has released a supplementary list of six more retailers, bringing the total to thirty-two. Students who wish to take advantage of the discounts offered here or in their home town will be able to buy cards in the lobby of building 10 on Wednesday, Thursday and Friday of this week.

In the Boston area, the new co-operators are:

- 27. Central War Surplus Co., Central Sq.—10%
- 28. Central Stove & Hardware Co., Central Sq.—10%
- 29. Dickson-Ritz Tax Rental—Central Sq.—20%
- 30. Evans Optical Co., 110 Tremont St., Boston—20%
- 31. Guaranteed Appliance Co., 113 Canal St., Boston—15-35%
- 32. Hattie's Specialty Shop, 54 Winter St., Boston—10%

Solicitation of retailers will continue, and additional supplementary lists will be posted periodically.

Robert S. Arbuckle '52, PCS chairman, emphasizes the fact that purchase cards can be used throughout the United States wherever merchants cooperate with NSA-PCS. Substantial lists are posted for the following communities: Jersey City, New Brunswick, Montclair in N. J., Buffalo, N. Y., Chicago, Ill., Philadelphia and Bethlehem in Pa. Sixteen area committees are now at work extending service in the above communities, and negotiating contracts for New York City, Miami, Los Angeles, Milwaukee and other places.

Tech To Play Host To Eighty Schools

Local Student Gov'ts To Discuss Problems

A general meeting of the student governments from Greater Boston colleges will take place at the Institute on Thursday, April 23. The general assembly will open at 4:00 p.m. in 10-250. An address of welcome will be given by William C. Mitchell, '49, conference chairman, which, he says, "will put the convocation to shame." Dean Everett Baker will also greet the delegates.

(Continued on Page 2)

Fills Gap Between M.S., Doctorate, Says Dean Bunker

A new terminal degree for practicing engineers, to be called the "Engineer" degree, has been approved at the Institute. This degree is expected to be awarded for the first time at the commencement this June, Dr. John W. M. Bunker, Dean of the Graduate School, announced recently.

The degree "Engineer," with the field of specialization designated, will require about two years' study following a bachelor's degree in any one of the Institute's various engineering departments.

"The new degree," said Dean Bunker in making the announcement, "fills an educational need for the development of professional engineering competence at a higher level than is ordinarily represented by the Master of Science degree."

Differs from Ph.D.

"With the establishment of the Engineer degree as a terminal degree for those who will practice engineering," Dean Bunker concluded, "the Ph.D. and Sc.D. degrees will continue to be the objective for those who have interest in and aptitude for original, creative research."

The new degree will be recommended for students who complete an individually-planned two-year program of study and research at the Institute beyond their undergraduate degrees. Emphasis will be placed upon engineering practice rather than on the research which is characteristic of a program of study leading to a Ph.D. degree.

More Work Than M.S.

Most Master's Degree candidates at the Institute require slightly more than one year of study to complete their work; candidates for the new degree, Engineer, will require at least two years at the Institute.

When the field of specialization is to be indicated, the Engineer degree will be referred to as follows: Civil Engineer, Mechanical Engineer, Metallurgical Engineer, Electrical Engineer, Chemical Engineer, Sanitary Engineer, Marine Mechanical Engineer, Naval Architect, Naval Engineer, Aeronautical Engineer, Building Engineer, and Meteorologist.

THE TECH BASEBALL CONTEST OFFICIAL ENTRY BLANK

(Clip, address to Contest Editor, Room 309, Walker Memorial, and drop in any Institute mailbox).

CONTEST EDITOR: Here are my predictions for the final standings in the major leagues for 1949:

AMERICAN LEAGUE	NATIONAL LEAGUE
1.....	1.....
2.....	2.....
3.....	3.....
4.....	4.....
5.....	5.....
6.....	6.....
7.....	7.....
8.....	8.....

NAME.....
ADDRESS.....

The Tech

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THE FRATERNITIES' POSITION

Last week we commented on the role fraternities have been playing in school politics; this week we will try to examine the background of the situation and the relationship of the fraternities to the rest of the student body. In many colleges membership in a fraternity is a must for any participation in activities. If one is not a member, one simply doesn't rate, one becomes a collegiate social leper, one is known as a drip. Students at some colleges are identified by the two or three Greek letters after their names rather than the two class numerals. Not so at Technology. In the limit, the fraternities at the Institute approach a state no more exalted than that of any other living group.

Ideally, fraternity life here is nothing more than a different living arrangement with no stigma of snobbishness attached. Now, what is the situation when it comes to school politics? Some two years ago, it was almost the invariable rule for a group of fraternities to hold a pre-election caucus in each class for the purpose of nominating a "fraternity slate." And nearly as often, the fraternity candidates were elected. There is a heritage of ill-feeling and distrust of fraternities among many dormitory residents stemming from this situation. A small number of politically conscious members of the class of 1950 two years ago mobilized dormitory residents, who were always numerically greater than the fraternity brothers, and succeeded in having a dormitory slate elected. The following year a so-called Unification Party was formed with both fraternity and dormitory candidates; stripped of high phrases, this coalition probably took place because neither side was too sure of its electoral chances.

As long as the coalition parties serve to keep living group rivalries out of the elections they serve a good purpose. Unfortunately, in this last election there was considerable living group politicking behind the scenes within the party, and the fact that the party was virtually unopposed at the polls may very well serve to induce either the fraternities or the dormitories to put a living group-sponsored slate in the ring. Certainly, the Unification Party's contention during the recent election that the class should vote for its candidates because they were nominated in a class-wide caucus is absolutely ridiculous.

Meanwhile, it is not fair to blame either the fraternities or the dormitories for supporting candidates from their own groups. It is only natural for people to vote for those with whom they are most familiar. The evil arises when a superior candidate is defeated by an inferior one merely because he hasn't been living right. The target to be aimed at in school elections is not one Unification Party but many unification parties in which the merit of the candidates is the issue and not an inter-living group compromise.

Probably the greatest bar to this ideal is the lack of contact between the two groups. The fact that fraternities are situated across the Charles does not help, and any efforts towards bringing men from the two groups together outside the classroom will mitigate the situation. Indeed, while many important people in the student government have gone out of their way to secure equal representation of the living groups on committees, the very fact that they must go out of their way emphasizes the schism. No, the real solution depends on both groups working together; the quickest way for this to be accomplished is for fraternity men to enter activities that are dormitory dominated and vice-versa. Recently, the efforts have been to impose equality from the top; now let's get at the root.

Student Government

- (Continued from Page 1)
- Nine panels will take place from 7:00 to 10:00 p.m.:
1. Publications. Chairman, Tom Hilton, M.I.T.—Litchfield Lounge.
 2. Student evaluation of faculty. Fred Howdon, M.I.T. 2-142
 3. Allocation of student funds. Fred Deane, Jr., Harvard. 2-132
 4. Permissions and regulations. Nancy Evans, Wellesley. 2-136
 5. Faculty-Student Relationships. 2-143
 6. N.S.A. and Student Government. Faculty Lounge
 7. Constitutions. Proctor Coffin, Babson. Tyler Lounge
 8. Honor System. Jane Bond, Simmons. 2-139
 9. Promotion of student activities. Virginia Woodbury, Lesley. 2-135
- Eighty schools have been invited to this meeting, which is the second annual affair of this type. All students are welcome to attend the assembly and the panel discussion.

AFTER HOURS

DANCES
WEDNESDAY, April 20
Boston City Club (back of State House), 8:30 to 12. \$1.90 couple, \$1.20 stag. Orchestra, George Trudeauau.

THURSDAY, April 21
Y.M.C.A., 316 Huntington Avenue, 8:30. 90c non members, 65c for members. Art Brickley's Orchestra.

FRIDAY, April 22
Eddy Nadel's Square Dance. Sargent College Gym. 225 Mt. Auburn St. 8:30 to 11:30. 85c admission. (Not many wear dungarees!)

Massachusetts General Hospital, Invitation Dance. Walcott House, 8:00 to 12 p.m. Tickets available at door, 50c.

Krazy Kapers, Charlesgate Hall. Surprise party and dance. Square dancing, 8-10, ballroom dancing, 10-12. Tickets at Walker Memorial Comm. office.

SATURDAY, April 23
Y.W.C.A., 140 Clarendon St. 90c admission. Orchestra, Art Brickley.

AT M.I.T.
FRIDAY, April 22
Assemblies Ball, Walker Memorial, 10 p.m. By invitation only.
Drama Shop, Elizabeth Peabody Playhouse. "The Beautiful People."

SATURDAY, April 23
I.D.C. Dance, Walker Memorial.
Drama Shop, "The Beautiful People."

SPORTS
THURSDAY, April 21
Baseball, Boston University, home. 3 p.m.

FRIDAY, April 22
Baseball, Boston University, home. 3 p.m.
Tennis, Suffolk University, home.

SATURDAY, April 23
Crew, Harvard, Princeton, Rutgers. 3:30 p.m.

IN BOSTON
FRIDAY, April 22
Student Festival, Regis College, Weston. Choral and Dance Groups; 8:00 p.m. \$1.50 blanket ticket.
(Continued on Page 4)

man about tech

by marvin c. grossman
where there's smoke there's fire. there was smoke pouring from a workmen's construction shed, on memorial drive last week. there was plenty of fire too, and the cambridge fire department turned out in full force. a hook and ladder, two smaller trucks and the official fire chief car all arrived within a few minutes after voluminous smoke had covered memorial drive. hose lines going as far back as the president's home were connected. six husky, black-hatted men grabbed the nozzle and pointed it directly at the heart of the inferno. they waited, breathless. the on-lookers waited, also breathless. the signal was given, and as the men clung to the enormous hose, they were rewarded for their efforts by a trickle of liquid which sort of rolled to the end of the nozzle and splattered on the ground. but the fire still roared on. one of the men grabbed an ax and headed for a window. there was a sound of crackling glass and quickly he climbed inside. alongside the broken window was another one but already wide open! a couple of hours later it was all over. cause of fire, said the cambridge officials, was careless smoking.

The
MISSES LITTLEFIELD
Harvard Square
Professional Typists
THESES—MANUSCRIPTS
4 Brattle St. Trowbridge 6-7495

Fraternity Findings

By John Thomas and Tom Kennedy

It is gone, but not to be forgotten. The Phi Kappa Sigma formal, I mean. I have talked to too many enthusiastic guests not to be sure of that. First of all, the setting, the Women's Republican Club, is perfect for a formal at the outset. And second, the brothers spared no effort to make the decorations, the music, and the entertainment perfect. As you entered you were greeted by a huge, champagne-sipping Easter Rabbit. Inside, probably the most spectacular effect was the bandstand, a giant Easter Basket. Then, at intermission, a very funny little comic, John Kelly, created such laughter that strapless evening gowns were endangered all over the room. I understand that the Phi Kappa Sigs were so desirous of perfecting each detail of the party they sent Kemon Taschiaglou to a local expert to obtain a fool-proof recipe for their punch. An "E" to the house, and to social chairman, Harry Johnson.

The only other parties last weekend were private ones. The Phi Sigma Kappas had an "in-house" Easter Party, and the Alpha Tau Omegas invited a group of underprivileged children from the Lincoln House to a Saturday afternoon party and Easter Egg Hunt along the Esplanade. But this next weekend is a full one indeed. We'll see you with the news on Friday.

Boston Baedeker

Ballet

On April 28, Boston will be treated to the seldom seen spectacle of t Ballet Russe de Monte Carlo. I spite their pretentious name, a the traditions which one could t sociate with it, the company wh I last saw it was a depressing o and had it not been for their sta Markova and Dolin, the commer on the company's performanc would hardly be printable. Ti year the brave souls are comi without these two artists, and must warn you that you should n anticipate too much. Their pr grams are made up of the old wor out routines of "Swan Lake "Gaité Parisienne," "Copelia," et which are performed with the live interest and skill which one usual associates in Boston with the O Howard chorus line.

Music
This week Dr. Koussevitzky at the Boston Symphony Orchestra will return from their last New York tour to play the next but la series of subscription concerts. Th program will include two Wagne excerpts and Bruckner's Seventh Symphony. Also this Sunday Wanda Landowska will give he recital in Jordan Hall, which wa postponed from last week due t the artist's ill health.

Post Mortem
Last Tuesday night, in a we attended Huntington Hall, th
(Continued on Page 4)

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2 Large Gardenias	\$3.00
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Roses	3.00

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SPALDING

SETS THE PACE IN SPORTS

Sailors Win Pentagonal At Brown By 6-Point Margin; Bruins 2nd

Tech's unbeaten Sailing Team rolled up another win last Sunday in what was described as the most important meet so far this year. The Varsity sailors outscoored four other schools, including the powerful Brown team, Boston University, Dartmouth, and Worcester Polytech, on Brown's waters.

Tech skinned through with a 99 to 93 point victory over Brown, the second place team. B.U. was third with a total of 81 points.

Bob Nickerson, of the Engineers, was high scorer with 56 points.

Beckwith of W.P.I. was second with 53, while Howard Fawcett of Tech pulled the fourth highest total of 43 points.

Fluky winds, ranging in gusts from fifteen m.p.h. to dead calm, made the Brown waters tricky sailing. Brown, described as one of our most powerful opponents, came dangerously close to winning the meet. The Beaver sailors were scheduled to meet them last March 20, but the races were cancelled because of bad weather. This, therefore, was their first test with one of the "power teams" of the league.

THE TECH'S SPORTS STAFF PICKS THE PENNANT RACES

With the baseball season starting this week, our staff of "experts" is sticking its collective neck out and predicting the outcome of the major league pennant races. Think you can do any better? Then enter our baseball contest. At least you can win something if you are right. (Coupon on page 1.)

LEO SARTORI		GENE LUBARSKY	
AMERICAN	NATIONAL	AMERICAN	NATIONAL
1. Boston	1. Brooklyn	1. Boston	1. Pittsburgh
2. Cleveland	2. Boston	2. Cleveland	2. Boston
3. Philadelphia	3. New York	3. New York	3. St. Louis
4. New York	4. St. Louis	4. Philadelphia	4. Brooklyn
5. Detroit	5. Pittsburgh	5. Detroit	5. New York
6. St. Louis	6. Philadelphia	6. Washington	6. Philadelphia
7. Chicago	7. Chicago	7. St. Louis	7. Cincinnati
8. Washington	8. Cincinnati	8. Chicago	8. Chicago

LONG-SHOT LEW BERGER (ex-handicapper at Hialeah)	
AMERICAN	NATIONAL
1. Boston—if pitching holds	1. Brooklyn } take your pick
2. Cleveland—best all-around club	2. St. Louis }
3. Philadelphia—those pitchers again	3. Boston }
4. New York—all up to Dimag.	4. Pittsburgh—not far behind
5. Detroit—too much competition	5. New York—plenty of power, no pitch
6. Washington—may surprise	6. Philadelphia—Nicholson big help
7. St. Louis—improved but not enough	7. Cincinnati—could be dangerous
8. Chicago—no soap	8. Chicago—out of race

"MASTERMIND MORT" BOSNIAK	
AMERICAN	NATIONAL
1. Cleveland—how can they be stopped?	1. Brooklyn—best balanced in league
2. Boston—pitching still no good	2. Boston—will make it very close
3. New York—oh, my aching heel	3. Pittsburgh—Kiner & new pitchers
4. Philadelphia—good pitching but not much more	4. St. Louis—Musial can't carry team any higher
5. Detroit—no infield, no hitting	5. New York—oh! for a good pitcher
6. St. Louis—Cards are still the attraction in St. Lou	6. Philadelphia—Waitkus, Nicholson & Meyer will help
7. Chicago—White Sox will be whitewashed often	7. Chicago—Cincinnati is even more pitiful
8. Washington—at least the President will throw out the first ball	8. Cincinnati—everyone is picking on the Reds anyhow

(Continued on Page 4)

Sophs Bolster Tennis Squad

Season Opens Against Boston College Today

Getting ready for their first meet against B.C. at Briggs Field today, and their extensive '49 schedule, the varsity tennis team has been practicing hard for the past several weeks.

Because of the graduation of much of last year's team, the prospects for this year seemed rather dim at first. Only two men were left of the six who played singles last year: Chuck Miller, this year's captain, and Amos Roberts.

Last year's freshman team, which won all but one of its matches in '48, provided the team with so much outstanding material that the outlook for this spring has brightened considerably. Spearheaded by Gerry Monsalvatge, winner of last fall's M.I.T. Open Tournament, sophomores Drucker, Ney, Crocker, Austen and Sims, and others, all rate high on the ladder which determines team positions. All these, plus Hans Eckardt, Jack Bent, and others, make up a unit which is strong enough all the way down to come through in fine style against such opponents as Brown, Dartmouth and Harvard.

Team practice is every day from three to six on the Westgate courts. In order to insure adequate practice for the team, courts one through four will be reserved for varsity players during those hours.

SOFTBALL RESULTS

In the intramural softball tournament, all games were cancelled this past weekend. However, in the early part of the week all teams played their first games. Upset of the week was Phi Beta Epsilon's 7-6 win over one of last year's finalists, Sigma Alpha Epsilon.

The tightest game of the season was a 5-5 tie between Delta Tau Delta and Bemis-Walcott, that was ended by darkness.

Sigma Alpha Mu 9—Sigma Chi 8
Phi Delta Theta 11—Phi Kappa Epsilon 4
Phi Sigma Kappa 9—Senior House 8
Alpha Tau Omega 9—Theta Delta Chi 1
Sigma Chi 15—Graduate House A 14
Theta Chi 7—Pegis Club 5
Barracks C 18—Kappa Epsilon 8
Phi Kappa 10—Theta Xi 6
Phi Beta Epsilon 7—Sigma Alpha Epsilon 6
Bemis-Walcott 5—Delta Tau Delta 5
Wood Hayden 17—Lambda Chi Alpha

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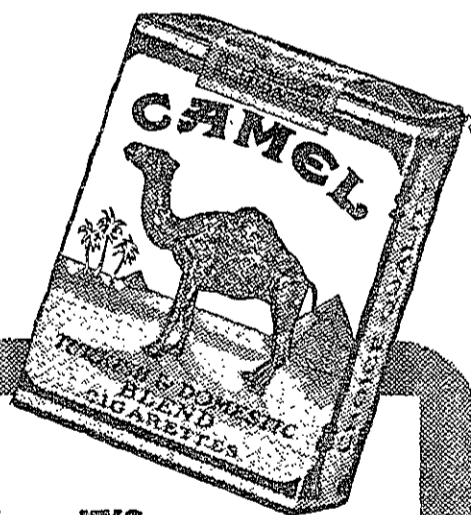
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Alan Dale
Toni Arden

Here's Alan Dale chatting over a Camel with lovely Toni Arden, a well-known phono star herself.

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CAMELS

CALENDAR OF EVENTS

APRIL 20 TO APRIL 26

WEDNESDAY, APRIL 20

Faculty Meeting. Huntington Hall, Room 10-250, 3:15 p.m.
 Electrical Engineering Department. Staff Colloquium: "The Necessity for Including the Human in the Design of Electromechanical Systems." Dr. Leo L. Beranek. Room 10-275, 4:00 p.m.
 Metallurgy Department. Colloquium: "Iron Ores for Iron and Steelmaking." H. W. Graham, Jones and Laughlin Steel Corporation. Room 24-633, 4:00 p.m.
 American Institute of Electrical Engineers—Institute of Radio Engineers. Joint student branch. "The Dynamic Noise Suppressor." H. H. Scott. Room 3-370, 5:00 p.m.
 Institute of Aeronautical Sciences. Student Chapter. Business meeting followed by moving picture: "PBM-3 Wing Destruction Test." Room 1-190, 5:00 p.m.
 Mathematical Society. "Integral Equations." Dr. Francis B. Hildebrand. Room 4-270, 5:00 p.m.
 **Senior Humanities Guidance Series. "History of Ideas." Dr. Karl W. Deutsch. Room 10-250, 5:00 p.m.
 Pershing Rifles. Members will meet in uniform in Room 1-087. Candidates will meet in Room 24-109, 5:05 p.m.
 Staff Players of M.I.T. Supper meeting. Alice MacLaurin Room, 6:00 p.m.
 Chemistry Department. Harvard-M.I.T. Physical Chemistry Colloquium: "Surface Energy of Solids." Dr. Amos J. Shaler. Room B-23, Mallinckrodt Laboratory, Harvard University, 8:00 p.m.

THURSDAY, APRIL 21

Civil and Sanitary Engineering Department. Seminar: "The Contractor and the Erection of the Mystic River Bridge." Carroll Peterson, American Bridge Company, Room 1-190, 4:00 p.m.
 School of Architecture and Planning. "Sociological Frontiers in Housing." Professor R. K. Merton, Acting Director, Bureau of Applied Social Research, Columbia University. Room 7-403, 4:00 p.m.
 Physics Department. Colloquium: "The Death Cry of a Positron." Dr. Martin Deutsch. Room 6-120, 4:30 p.m.
 Flying Club. General membership meeting. "Weather for Pilots." Meteorology Department. Room 4-370, 5:00 p.m.
 Physics Society. "The Use of X-Ray Diffraction in the Study of Biological Tissues." Dr. Richard S. Bear. Room 2-390, 5:00 p.m.
 Pi Tau Sigma. Meeting. Room 10-275, 5:00 p.m.
 Tau Beta Pi. General meeting. Tyler Lounge, Walker Memorial, 5:00 p.m.

FRIDAY, APRIL 22

Mechanical Engineering Department. Seminar: "Recent Results in the Study of Friction." Dr. John T. Burwell, Jr. Room 3-470, 4:00 p.m.
 National Student Association. Student Festival. Dancing and singing groups. Regis College, 8:00 p.m.
 Walker Memorial Student Staff. Fifteenth Anniversary Walker Assembly Ball. Walker Memorial, 10:00 p.m. to 3:00 a.m.

SATURDAY, APRIL 23

National Student Association. Student Festival. Art and drama at Boston Conservatory, 2:00 p.m. Carnival in Massachusetts Armory, 8:00 p.m.
 Walker Memorial Student Staff. Assembly week-end informal dance. Walker Memorial, 8:30 p.m. to 12:00 midnight.

SUNDAY, APRIL 24

Nautical Association. New England Championship. Elimination "B." Sailing Pavilion, 10:00 a.m.

MONDAY, APRIL 25

Civil and Sanitary Engineering Department. Sanitary Engineering Seminar: "Nutrition and Public Health." Joseph J. Bongiovanni. Room 1-236, 1:00 p.m.
 Technology Christian Association. Final marriage lecture in series by Professor F. Alexander Magoun. Room 10-250, 4:00 and 5:00 p.m.
 American Institute of Electrical Engineers—Institute of Radio Engineers. Joint student branch. Moving pictures: "The Magic of Fluorescence." "The Evolution and Recent Development of Electric Light Sources." L. S. Cooke. Room 3-370, 5:00 p.m.
 Alumni Council. Dinner meeting. Dr. Richard H. Bolt will discuss the fundamental and applied research being conducted by the Acoustics Laboratory. Dinner: Campus Room, Graduate House, 6:00 p.m.; Meeting, 7:15 p.m.
 Research Laboratory of Electronics. Seminar: "Microwave Spectroscopy." Malcolm W. P. Strandberg. Room 6-120, 8:00 p.m.

TUESDAY, APRIL 26

Acoustics Laboratory. Seminar: "Visco-Elastic Properties of Rubber." Robert B. Blizard. Room 20E-225, 4:00 p.m.
 Christian Science Organization. "Christ a Higher Law." Tyler Lounge, Walker Memorial, 5:15 p.m.
 Model Railroad Club. Business Meeting. Room 20E-216, 5:15 p.m.

INFORMATION FOR JUNIORS

**This is the first in a series of lectures describing the content of the senior Humanities electives, to assist present Juniors in selecting Humanities options next year. Subsequent lectures include "Music" by Professor Klaus Liepmann, "Books and Men" by Professor William C. Greene, and "International Relations" by Professor Norman J. Padelford.

T. C. A. CLOTHING DRIVE

Clothing and Shoes are needed for the American Friends Service Committee which will be distributed by Quaker Centers in Europe and Asia. Contributions may be left either at the Information Office or T.C.A. office in the basement of Walker Memorial.

CALENDAR OF EVENTS

The Calendar of Events is published weekly on Tuesday in THE TECH, and contains announcements for the following week. It is sent without charge to all members of the staff, heads of D.I.C. projects, as well as to the leaders of various organizations. A separate listing of the Calendar of Events will be mailed to others for one dollar a year, payable in advance at Room 7-204.

Announcements, typewritten and signed, must be in the Office of the Editor, Room 7-204, not later than noon on Thursday prior to publication date. Material for the Calendar, April 27-May 3 is due April 21.

Senior Humanities To Be Discussed In Lecture Series

Commencing today the first of a series of four lectures will be presented by the Lecture Series Committee in 10-250 at 5 p.m. The subjects of the lectures will cover the electives for Senior Humanities.

Originator of the idea was John E. Burchard, Dean of Humanities. Dean Burchard will be present at the first lecture to explain the Humanities program. Also present at this first lecture will be Karl W. Deutsch, Associate Professor of English, who will lecture on the elective "History of Thought." It is recommended that Juniors be present at this lecture since the humanities program is to be revised.

On succeeding Wednesdays, Professor Liepmann will speak of "Music Appreciation," Professor William C. Greene on "Books and Men," and finally on May 11, Professor Norman J. Padelford will lecture on "International Relations."

After Hours

(Continued from Page 2)

SATURDAY, April 23

Student Festival, Boston Conservatory of Music, The Fenway. Drama Festival and Art Exhibit. 2 p.m. \$1.50 blanket ticket. Festival Dance, Mass. Ave. Armory. Individual ticket, 90c, or admission with blanket ticket.

SUNDAY, April 24

Informal Concert, M.I.T. Mixed Chorus. Harvard - Epworth Church, 7 p.m. Will include Brahms Requiem, and Mozart Requiem.

Predictions

(Continued from Page 3)

DAVE ULINE

- | AMERICAN | NATIONAL |
|-----------------|-----------------|
| 1. Boston | 1. Boston |
| 2. Cleveland | 2. Brooklyn |
| 3. Philadelphia | 3. Pittsburgh |
| 4. New York | 4. St. Louis |
| 5. Detroit | 5. New York |
| 6. St. Louis | 6. Philadelphia |
| 7. Chicago | 7. Cincinnati |
| 8. Washington | 8. Chicago |

CONSENSUS

- | AMERICAN | NATIONAL |
|-----------------|-----------------|
| 1. Boston | 1. Brooklyn |
| 2. Cleveland | 2. Boston |
| 3. Philadelphia | 3. Pittsburgh |
| 4. New York | 4. St. Louis |
| 5. Detroit | 5. New York |
| 6. St. Louis | 6. Philadelphia |
| 7. Washington | 7. Chicago |
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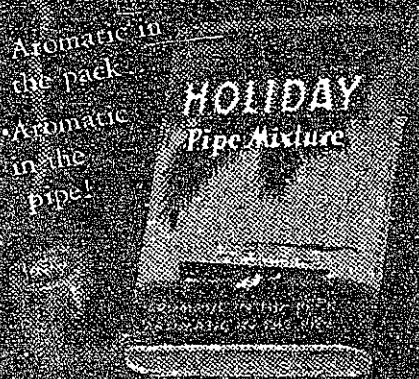
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HOLIDAY

An Adventure in Good Smoking



Boston Baedeker

(Continued from Page 2)

Kroll Quartet gave the last of this year's Humanities Series concerts. The program included three quartets. In the opening Mozart work the players were obviously not only warming up, but also a trifle ill at ease with the phrasing and interpretation. The work lacked fluidity and crispness. However, the score was evened by an excellent performance of Hindemith's Third Quartet.

'Mr. Cruikshank'

(Continued from Page 1)

many inches under the human skull.

The wooden head has been developed by two Technology scientists, Dr. John G. Trump and Dr. J. Eugene Nelson. It is at present being used in experiments with 3-million volt X-rays from a Van de Graff generator at the Institute. It is soon to be tested with conventional X-rays at the Massachusetts General Hospital.

The goal is comparison of the effects of both these types. As the higher energy rays are more penetrating and less scattering, they permit treatment of tumors which are located deep within the body. Treatment of such cases is difficult with the ordinary rays as it is limited by the tolerance of the skin or the intervening healthy tissue.

PLACEMENT INFORMATION

Come to the Student Placement Bureau for the address of any of the following companies:

- Air Reduction Sales Company, Murray Hill, N. J.; X.
- Boston Gear Works, Quincy, Mass.; II, XV.
- Bureau of Standards, Washington, D. C.; VI, VIII.
- The Chesapeake & Potomac Telephone Company, Washington, D. C.; VI.
- The Commonwealth of Mass., Boston, Mass.; All courses.
- Dustex Corporation, Buffalo, New York, XVIII, VIII, VI.
- The Gas Machinery Co., Cleveland, Ohio; II, X.
- Navy Department, Boston, Mass.; All courses.
- New England Tool Company, Boston, Mass.; II, XV.
- H. H. Scott Company, Cambridge, Mass.; VI.
- Singer Machine Co., Bridgeport, Conn.; II.
- The Department of State, Washington, D. C.; Foreign Service.
- U. S. Coast & Geodetic Survey, Boston, Mass.; All courses.
- Waltham Oil Burner Co., East Boston, Mass.; II.

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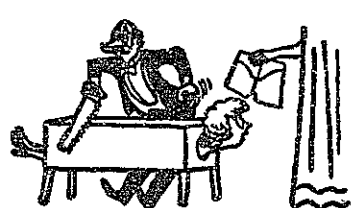
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HOTEL STATLER

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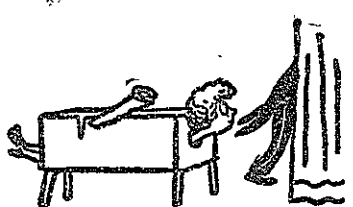
A clever magician named Blue,



Whose shorts always saved him in two,



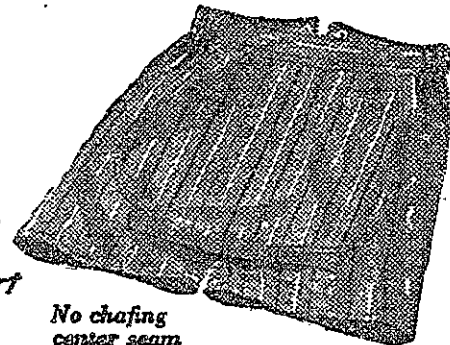
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