

## '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

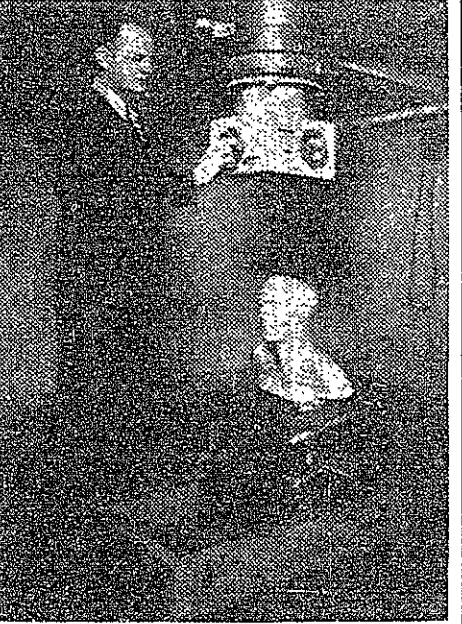


Shown above are the Jan Veen Dancers of the Boston Conservatory of Music who will display their talent this Friday night at Regis College as part of the opening night show of the Greater Boston Student Festival. Also on the program will be nine other choral and dance groups from schools in the Boston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

## 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.....
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NAME.....  
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