

Eighty Foreign Students Attend Summer Term

New Hydrodynamic Testing Tank To Be Next Construction Project

By CHARLES BEAUDETTE

The latest construction project around the Institute is the new one-hundred-foot-long hydrodynamics testing tank which should get under way this summer and is expected to be completed within a year. Models will be pulled through the water at a speed of five feet per second which simulates a speed of about twenty-four knots. Although the Department of Marine Engineering has no models at present, they do have a shop in which wooden models can be built. Ships used in the testing will be five feet long and will have the same characteristics as a ship four hundred feet long.

Part of the tank will be made of glass in order to permit observation of the turbulence of the water. Students will also be able to photograph the water flow as the index of refraction of turbulent water is different from that of the smooth-flowing water.

A scale model of the laboratory

may be seen in the Naval Museum on the first floor of Building 5. The new laboratory will be located on the corner of Vassar and Main Sts.

Stroboscopic Lighting

In Room 3-269, our enthusiastic guide, Professor George C. Manning, showed us the propeller testing tank. It is patterned after a wind tunnel only set in a vertical position. The viewing window is equipped with stroboscopic lights which are synchronized with the propeller shaft so that the propeller can be frozen in one position for observation. The purpose of the tunnel is to measure the pull of

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This is the last issue of

THE TECH

for this term.

The first issue in the fall will be for Freshman Camp.

Record Commencement To Climax Senior Week Of Dance, Song, Games

Approximately nine hundred and fifty Seniors, the largest number in the history of the Institute, will receive diplomas at the 1949 graduation exercises on Friday, June 10. The graduation is the climax of Senior Commencement Week, annually the last fling at college life for the outgoing class.

"The Tech" Shuffles Staff

Associate Board, Others Promoted to New Spots

At the annual The Tech-Voo Doo beerball game last Saturday, Norman Champ, General Manager of The Tech, announced the following list of advancements effective next fall. In the Junior Board, the following men were promoted: Jack Sevier, News Editor; Tom Hagan, Associate News Editor; Bill Miller, Assignments Editor; Warren Marcus, Publicity Manager; Frank Heart, Office Manager; Robert Bagnall, Sales Associate; Don Young, Exchange Editor; and Ozzie Fletcher, Photo Editor.

Assistants to the Assignments Editor are Charles Beaudette, and Newell Trask, while Bob Lurie will assist the Office Manager. Other assistants include Marc Aelion, Circulation; George Mellor, Features; Mort Bosniak, Sports; and Rodg Vance, Personnel. Dick Silverman and Dick Koenig will assist the Field and Office Advertising Managers, respectively.

New Staff Members are the following: Advertising: Dirk Plummer and Mel Cerler; Circulation: Jack Rabbott; Sports: Scott Connor and Dick Sharp; News: Bill O'Neil, Jack Stearns, Bob Becastow, and Leonard Taignan; Features: Don Bernitt, Tom Kennedy, Stuart Shaw and John Thomas; and Photo Department, Mal Baschinsky.

Representatives from the New York, New Haven and Hartford Railroad, New York Central Railroad, several airlines, and the Armstrong Baggage Company will be at the T.C.A. office in Walker Memorial on Tuesday, Wednesday and Thursday, May 23, 24, and 25, from 12:15 p.m. to 1:45 p.m. Reservations and arrangements for tickets may be made at this time.

Baccalaureate Services and Class Day Exercises will be held on Thursday, June 10, at Walker Memorial. The Reverend Carl Kopf, minister of the First Congregational Church of Washington, D. C., will deliver the baccalaureate address at 11:00 a.m. Reverend Kopf was formerly minister at the Mount Vernon Church in Boston and is a close friend of many members of the class of 1949.

Presentation of Gift

Class Day, to be held at 2:00 p.m., will include presentation of the Class of 1949 gift, and the twenty-five-year gift of the Class of 1924. Thomas T. Toohy, permanent president of the Class of 1949, will transfer the class ring to Robert W. Mann, president of the Class of 1950. In conclusion, there will be a skit by the members of the Senior Week Committee traditionally required by the Alumni Association for acceptance of the class into its membership. Also on the Thursday program, is the taking of the class picture on the steps of Building 10 at 10:15 a.m.

Robing in preparation for the graduation exercises will take place in the Cambridge Armory on Massachusetts Avenue at 10:00 a.m., Friday morning. The graduation program will begin at 10:30 a.m. in Rockwell Cage with the commencement address given by Dr. James Phinney Baxter III, president of Williams College. Dr. James Rhyme Killian, Jr., will deliver the address to the Graduates.

All seniors are reminded to pick up their announcements and invitations at the Information office, Friday afternoon, from 3:30 to 5:00. President Killian will hold a reception for Seniors, their families, and guests at the President's home.

Drink, Dance, Sing

Social activities during the week will get under way with two dances, a beer-sing, and a mixed outing. The Senior Ball on June 3 at 9:00 p.m. in the Louis XIV Room of the Hotel Somerset will feature the music of Brad Kent, while Hal Reeves will play for the informal

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TCA To Sponsor Tours Of Boston

Guides Wanted To Show Sites To New Students

Guided tours of historic and cultural centers of interest in the Boston area for students entering the Institute next fall will be conducted during the week preceding freshmen camp by the T.C.A. Groups of from twenty to thirty students will visit Bunker Hill Monument, downtown Boston, museums, and other points of interest.

Anyone wishing to serve as a guide should contact Val Tereshkevitch at the T.C.A. office.

The T.C.A. wishes to correct an impression received from an article in the last issue of The Tech. The Student's Good Will Program will not be administered to any summer students either regular or under the F.S.S.P. Technology students will write a letter to students from abroad (who will start school in the fall) and discuss with them the Institute, its environment and activities in person after their arrival in the fall.

TCA Shows Boys' Work Achievements

Posters In Building 10 Open Drive For Workers

Conspicuous in Building 10 this week are two bulletin boards publicizing T.C.A.'s boys work in Boston and Cambridge. In an effort to fill the many requests of the settlement houses for workers, the T.C.A. is launching a membership drive. To supplement these displays, three thousand pamphlets are being distributed, emphasizing the fact that a boy can not only help but that he can also fit the time to his schedule.

Feeling that many of the students are completely ignorant of T.C.A.'s work with boys the present displays constitute largely an educational program. Since a large number of incoming students join activities because of the recommendations by older students, T.C.A. wishes to be sure that everyone knows just what the organization is doing.

By the displays T.C.A. is launching a three-step drive. During the summer, folders will be sent to incoming freshmen so that those interested in boys work will not overlook the opportunities open to them. Next fall the drive will be climaxed by a smoker and personal interviews of all interested students.

Dorm Crime Wave Underway; Coke, Telephone Co. Hit

The end of the term seems to be a signal for the underworld element in the dorms to operate. During the past week, two coke machines have been jimmied and a considerable portion of their contents removed. Well-informed sources doubt that any money was taken. In addition to the above-mentioned exploits, miscreants stole the telephone company's generator from Munroe basement.

In an exclusive interview with some members of the gang, The Tech's reporter learned some of the operating procedures. In the first coke raid, the mob broke into the machine after cracking the lock hasp and began yunching the lever for free cokes. Seeing that this process was too slow, they started to siphon the pure syrup, but abandoned this process for the same reason. Finally, the entire five-gallon jug was lifted away bodily and carried back to the hideout.

Daniel McGuinness, '50, Dormitory chairman, will try to convince the Coca-Cola Corporation to leave the machines in the dorms with additional protections against pilferage, but if additional raids occur, the machines will be permanently removed.

Full details of the other robberies are not available at this time.

Change Of Address Cards Needed For Summer Mail

According to the Postal Inspector, second, third, and fourth class mail that is undeliverable as addressed will not be forwarded outside the Boston Postal District unless either the sender or the addressee has guaranteed the forwarding postage. Therefore, anyone moving from his present address, either permanently or merely for the summer, should, before leaving, complete Form 22, Order to Change Address, and Form 22S, Notice to Publisher of Change of Address.

The Post Office also advises that notices to publishers of change of address should be completed immediately to insure prompt delivery of publications. Both the above-mentioned forms may be obtained at any Post Office.

REMINDER
SENIOR CLASS ENDOWMENT
CALL AT ROOM 2-125

Course II Opens Cooperative Program; Participants Now Graduate With Class

Once again Course II is sponsoring a cooperative program which will allow Mechanical Engineers to combine actual plant experience with the regular curricula.

By rescheduling the courses in the Junior year, it has been possible to make Course II and IIB identical in subject matter without having the students in the cooperative program fall behind their class.

It is expected that the pregraduation employment will be of great assistance in the selection of options in the Senior year and understanding of the material presented in all advanced courses. In addition, the preliminary contact with industry should be most helpful in assisting students in finding employment following graduation.

It is anticipated that approximately twenty-one Juniors will be able to avail themselves of the ad-

vantages of this new program during its first year of operation. The industrial organizations currently sponsoring the program are Eastman Kodak Company, which is planning to have ten men in Rochester, and United Aircraft Corporation, where four men are to be taken on by the Hamilton Standard Propeller Division and three men by the Pratt & Whitney Engine Division. The third company is the Fairchild Engine and Airplane Corporation whose Ranger Aircraft Engines Division at Farmingdale, Long Island, proposes to employ four men.

Copies of the 1949 Technique may be purchased without options during this week and part of next in the lobby of Building 10. The price of each book is \$6.00.

Students May Join Conference Week

Delegates from the Institute are welcome at the O-At-Ka Summer Conference at Lake Sebago, Maine, the T.C.A. has announced. The conference, which will be held from June 13 to June 19, annually attracts delegates from nearly every New England college and Christian young people's group.

O-At-Ka offers a wide range of recreation and fellowship for young men and women. Sports include canoeing, sailing, hiking, and camping. In addition, there is the inspiration to be gained from the beautiful natural setting of Lake Sebago and the conferences on questions pertinent to the lives and religions of young people.

Applications are still open and may be made at the T.C.A. office. Total cost for the week is \$19.00 plus \$6.00 registration. Some T.A.C. scholarships are available. In the case of foreign students the registration fee is waived. If any student wishes to defray expenses by arriving at Lake Sebago early and assisting in the preparation of the conference grounds, arrangements may be made with the T.C.A.

The Tech

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HAIL AND FAREWELL

While it has been an annual tradition for the last issue to have a few words of farewell to the graduating class, these phrases of adieu bear a significant note because of the fact that this Class of '49 is entering an industrial world that is in a state of flux and uncertainty as to what the future holds. Jobs have not been quite so numerous as in the years immediately following the war and the demand that each employer will bring to bear on his new men in this "buyers" market will make the '49er's task that much more difficult.

In spite of these forces acting upon them, we have confidence that this graduating class will have the ability to fulfill the requirements needed to overcome them. To each and every member of the graduating class, the staff sends its sincere wishes for good luck and success.

SERVICE TO COMMUNITY

There is no black or white answer to the question of whether a college education is best obtained at a school located in a large city or in a small town. Each situation offers numerous advantages that the other cannot. However, there is one important advantage that is almost inherent in the small college town that is difficult to find in the large cities housing many of our colleges and universities. Yet, surprisingly enough, this lack might easily be remedied with a little effort and planning. Of course, the above reference is to service by the students to the community.

Although many do, community service is not something that should be put off until such time as a person becomes personally concerned by virtue of having a family. Must everything be done with an eye towards the motive of getting some personal advantage out of one's activities? In the small college town, it is difficult to escape the feeling of belonging to the community because the college is the community, made up primarily of families of the faculty and the people whose means of livelihood is to supply the college with its needs. Likewise, the community is the college, for without the college, the community would not exist. It is difficult, though, where a school is located in a large metropolitan district, made up of industry and a wide variety of businesses, for the student to identify himself intimately with the activities of the community. To many, the name of the city, and what it stands for, is just the post office to which his mail will be addressed for four years.

Yet, is this as it should be? Part of a person's education should certainly be learning how he, as an individual, can help to make the community in which he resides, even for a short time, a better place in which to live. This is just as important as learning the thermodynamic properties of steam or the distribution of losses in a motor.

The Institute is fortunate to have several activities devoted to this field. The most widely known of these include the F.S.S.P. and N.S.A. who operate in a somewhat broader field than just the immediate community, and the T.C.A.'s Boys' Work group and its annual Blood Bank campaign, sponsored in collaboration with the American Red Cross. In addition, there are other less well-known activities, such as the Red Cross' annual instruction for the Ski Patrol and the G38 Public Speaking Course's volunteer talks before various women's and church groups during the annual Red Cross fund drive.

These relatively few groups are doing more than their share in that part of the students' education which deals with service to the community. However, they cannot possibly fill the latent need of every individual who will someday be called upon to perform such a duty. Other colleges have enlisted the aid of the Red Cross and, in turn, have assisted this organization in its primary function, service to the community. This is not just in times of emergency and disaster, but every day in the year, wherever the need arises.

The Red Cross is vitally interested in working with the college students all over the country. It has a distinct organizational division whose sole work it is to assist the various groups on campus. There is a lot that can be done by them but they are not in a position to make the initial preparations. The first contacts must be made by the students themselves.

The coming summer vacation should afford an excellent opportunity for interested parties to compare notes with their acquaintances at other colleges who are participating in this type of activity, working through the Red Cross. There are many such groups. Those that do understand the need, both from a personal education viewpoint, as well as with an eye towards helping the community, will find the local chapter of the Red Cross ready and willing to lend as much help as is required.



It has been the policy of the Sophomore Physics Department on each quiz day to give three quizzes to each of the three sections taking 8.04. Of course, many of our more ambitious students have toyed with the idea of going in and taking a "practice quiz" before the regular one scheduled for his section.

The following story concerns one joker who did more than toy with the idea. In fact it seems that round about the time the last quiz was given, he sauntered into an earlier examination session to try his luck at an early quiz. Things went quite well; in fact, he finished early. As he was walking out he forgot that the illegal quiz was dangling from his hand, and as he was about to step over the threshold, an alert proctor snatched the damaging evidence from his outstretched hand. He hadn't put his name on the paper, and the proctor requested him to do so. Not wishing to risk something like "Napoleon" or "Isaac Newton" our friend put down a slightly more realistic name.

Nothing more was thought about the incident, until about four days later. The ingenious fellow received a note from the Physics department requesting his presence at a "private interview" with one of the wheels. Unsuspectingly, he sauntered up to the big gun's office, where he was greeted with quite a surprise. On the desk was the fraudulent quiz.

The Professor then proceeded to tell the hapless student how this paper fell into his hands. After the quizzes were all graded, there seemed to be one left over. The problem that confronted the Physics Department was to find out who had written it.

It seems that this particular professor was an ambitious soul. When the extra quiz was presented to him, he carefully studied it, grabbed all the quizzes that the Sophomore class had taken during all the sections and proceeded to examine each one for distinguishing characteristics. Evidently it didn't take long, for he observed that this particular student made the Greek letter lambda in a peculiar way. It resembled a script h written backwards. Spending several hours on the pile of papers, over two hundred in number, a similar quiz, the one which our friend had legitimately taken, was soon uncovered. And of course, they matched perfectly. What happened after that is a matter of record. Off hand, we haven't heard of any Institute ruling which says you can't do this sort of thing. But

if you contemplate trying, better watch those lambdas!

The Coop is offering a reward to anyone finding a lime in their limeade. They need it for next year!

Speaking of the Coop, we were told that they sell over 4,567 pieces of fudge cake every 11 1/2 days.

Bill Mitchell is quite a wheel... a durapower wheel, that is. (With due respects to the Elgin Watch Company.)

While reading my fan mail, I came across someone who accused me of using a dangling participle. Arguing with the Editor the other day, the boys around the office agreed that I never use dangling participles!

See you next term.

M. C. G.

Senior Week

(Continued from Page 1)

dance Saturday at 10:00 p.m. in Morss Hall. The latter will be preceded by two hours of beer and singing in Rockwell Cage.

On Sunday at 11:00 a.m. the seniors and their dates will head for Crane's Beach, Ipswich, for a day of sun, beer, and games. Two trucks will provide transportation for those desiring it. After two days' recess, the entertainment will conclude Wednesday with the Senior Banquet at 6:30 p.m. at the Hotel Continental. Professors Bill Green and Ted Wood will serve as master of ceremonies and song-leader respectively.

Ticket Prices

Prices of tickets for the various events are as follows: \$10.00 for all events; \$6.00 for weekend events; \$4.00 for banquet; \$4.50 for Senior Ball; \$1.80 for Saturday parties, and \$1.20 for mixed outing. They may be purchased at the Information Office, the Booth in the Lobby of Building 10, and from Senior Week Committee members.

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All-Star Softball Team Announced

Grad House "B", aiming for a chance to meet the Grad House "C" team again in the finals of the softball playoffs, knocked Phi Delta Theta out of the running with a 10-3 on Tuesday. Chuck O'Grady twirled a neat four-hitter and received excellent support for the win. Ralph Edelman and Frank Bodurtha made outstanding fielding plays to keep Chuck out of trouble. Edelman was also the leading sticker for the winners with three singles.

An All-Star softball team has been named by Al Petrofsky, the tourney manager, from the players participating in the playoffs. Grad House "B" dominated the team with four men listed while Wood-Hayden placed three Grad House C and Phi Delta Theta one each.

The team:

SOFTBALL

- p Jock Sutherland—Phi Delta Theta
- c Dan Colyer—G.H. C
- 1b Chuck Johnson—Wood
- 2b Frank Bodurtha—G.H. B
- ss St. John Bain—Wood
- 3b Mark Wittels—G.H. B
- lf Barry Bloom—G.H. B
- cf Ralph Edelman—G.H. B
- rf Harry Techlenburg—Wood

New England Title Track Meet To Be Held Here This Weekend

Eagles Soar Over Tech, 14-2, As Quinn Allows Only Two Hits

Facing one of the top college ball teams of New England Wednesday afternoon, Tech's varsity nine was battered 14-2 by the high-flying Boston College Eagles. Ted Quinn allowed Tech but two hits while his teammates put together fourteen blows and five Engineer errors for fourteen runs in the abbreviated seven-inning tussle.

Tech jumped off to an early 2-0 lead as Pete Philliou smashed a

line drive home run to right-center in the second and Quinn hit Gushee with a pitch in the third and proceeded to wildpitch him all the way home. In the last of the third, however, B.C. came back to score five times on two walks, three errors and two hits, one a tremendous home run to right centerfield by Ed Fitzgerald.

Two more hits in the fourth scored another run but the roof fell in the fifth frame as B.C. drove Marshall out of the box with a six-hit, six-run inning. Little John Yurecewiz provided the big blow—a home run with two on. The Eagles added two more in the sixth to run the total to fourteen for the day.

Ted Quinn pitched a nice game for the Eagles, looking very fast. The only other hit besides Philliou's homer was an infield scratch by Johnson in the second... Lubarsky was robbed in the sixth inning as third baseman Ed Clasby speared his hot grounder heading through the hole between short and third and threw him out.

With this game the Engineers ended their second season of intercollegiate competition, having won four games and dropped eight.

Tennis Team Bows To Harvard, 7-2

Tops W.P.I. To Gain Season's Seventh Win

With Gerry Monsalvatge losing his first match of the season, the Technology tennis team was downed by a strong Harvard squad by the score of 7-2 last Wednesday afternoon on the Briggs Field tennis courts. The loss was only the netmen's second of the season while they have been victorious seven times.

On Monday the team traveled to Worcester where it defeated W.P.I. 7-2. A sweep of the first five singles matches insured the victory.

The freshman squad last week broke into the win column, defeating Keane Teachers' College, 8-1 and Tufts, 9-0.

Construction

(Continued from Page 1)

the propeller when it is operating with a given torque and thus determine its efficiency.

In one section of the lab, there is a miniature foundry where students can cast their own propellers. At the time we were there there were three props, made of aluminum, brass, and other alloys, waiting to be tested.

Sailors Tie For Third With C.G.

In the last major regatta of the season, Tech's sailors fought their way to a third-place tie with Coast Guard last weekend. Yale carried off the Owen Trophy, which symbolizes the Intercollegiate Eastern Championship. Harvard fought neck and neck with Yale during the two-day meet, and finished a close second with 164 points to Yale's 172.

The Beavers' 156-point total was gathered by Bob Nickerson, Howard Fawcett, and Fred Blatt. Tech's only remaining meet is for the Boston Dinghy Club cup this Sunday.

R. I. State Is Favored; Tech Strong Contender

Today and tomorrow Tech is playing host to twenty-odd track teams in the sixty-second annual New England Intercollegiate Amateur Athletic Association track meet.

Trials will be held this afternoon at 3:45. The finals are tomorrow, with the field events getting under way at 1:00 and the first running events at 2:00. Friday's admission for all will be \$.50, and Saturday's \$.60 for students and \$1.50 for others. The only entrance to the field on both days will be on Vassar St.

Rhode Island Defends

This meet shapes up as the best in years, as Rhode Island State has lost some of the power that has enabled it to waltz off with the title for the past two years. Tech had dominated the meet in the war years, and has been the winner ten times in the history of the event.

The boys in blue from Rhode Island are generally conceded as the favorites in the meet but a good split in points might enable any of several teams to grab the crown. The other teams that are very much in the running are New Hampshire, Brown, Bowdoin, Holy Cross, and a dark horse Tech squad that may surprise a few fans.

Six Former Winners

Six of last year's champions will be on hand to defend their crowns. The most noted of these is Dick Phillips of Brown, the national indoor high jump champ. The meet and Briggs Field record of 6' 4 1/2" will likely be broken by the light-footed lad from Brown. Another big name in the national track picture is Art Sherman, pole vaulter from Rhode Island State who is consistently over 13'.

One of the smallest men on the field will be the shadow-like Bob Black, national cross-country and 10,000 meter champion from R. I. St. Bob won the mile title last year, and took home twin crowns with wins in both the mile and two mile races the year before. Bill Brooks of Wesleyan will be back to keep the 100 title he has won for three years in a row. Bill Gould of Holy Cross will again be tough to beat in the 220. Gallogly of Holy Cross won the discus event last year, but has not been impressive to date this year.

Wide Open Events

Most of the events will be wide open, with the best handicappers hesitating to name a winner. Tech has strong contenders in many of these events. Wayne Carter should win the 220 low hurdle crown with the main competition coming from Barndollar of New Hampshire whom he beat by inches last week.

Al Dell Isola is a man to watch in the 440, after his record breaking performance two weeks ago. If Dell runs in the 220, he might pick up a fourth. Ed Olney will have to go to beat Cashman of R.I. St. and Taylor of B.C. in the 880, but

(Continued on Page 4)

M. I. T. DINING HALLS WALKER MEMORIAL

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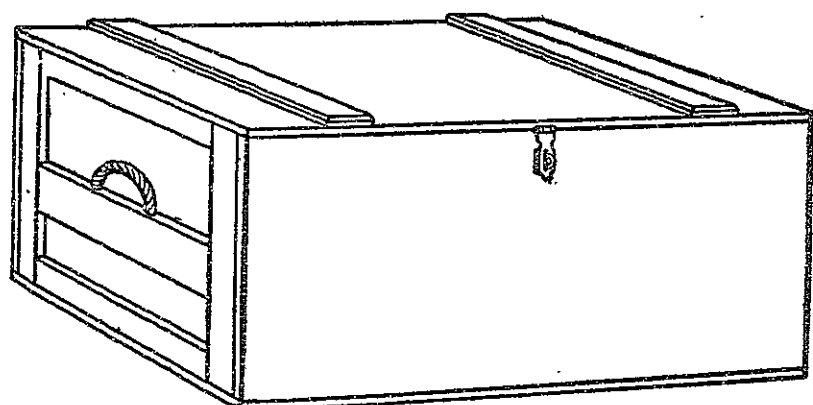
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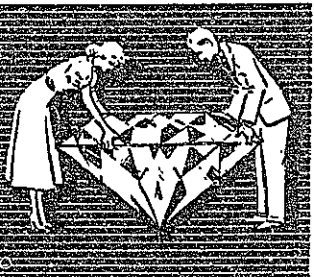
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Activity Briefs

A.S.M.E.

At its final meeting of the year on Monday, May 16, the Student Branch of the American Society of Mechanical Engineers elected new officers for the coming school year. Officers elected were the following: Edward J. Hayes, chairman; Robert C. Stout, vice-chairman; and Malcolm Green, secretary-treasurer. All the above-mentioned men are Juniors.

Professor Harry Majors, Jr., was re-elected to the position of honorary-chairman for next year.

BATON SOCIETY

At a recent meeting of the Baton Society, honorary musical club, new officers were elected. According to Richard Kohl, '49, retiring president, the following list of men will head the club next year: President, William H. Culver; Vice-president, Richard Dobroth; Secretary, Herbert Sontag; and Treasurer, Paul Mourier-Petersen. All the above men are Juniors.

MATHEMATICS SOCIETY

The Mathematics Society has announced its officers for the coming year. Heading the group will be Donald G. Aronson, '51. Harry L. Reed, Jr., '50, will serve as vice-president, while R. Bruce Kellogg, '52, will be secretary and treasurer. In charge of arranging programs will be Ben Silver, '50.

NCAA Sports

(Continued from Page 3)

he is a strong runner and may do it. Tech's outstanding weight man, Jack Adams, is expected to score heavily in the hammer throw and the discus. High jumper Roy Roth tied for third last year, but will do well to repeat this time. Gordon Hunt placed fourth in the two mile race last year and again will be a contender.

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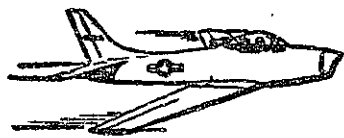
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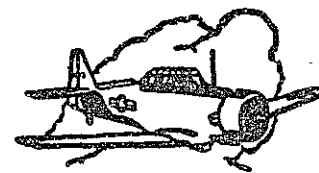
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