

## TWO COACHES ARE RAPIDLY GETTING BOXERS IN SHAPE

Orleman Elected Captain Of  
This Year's Squad—Has  
Remarkable Record

### BOLANOS COACHES FROSH

Carl Orleman will lead this year's boxing team, as a result of his excellent record in competition last year. His success is almost unique in the history of the sport in the Institute, having knocked out all but one of his opponents last year. Knockouts in favor of M. I. T. were scored by him against Army, Navy, Dartmouth, and N. Y. U., the remaining match, one with New Hampshire, being a split decision. He captains a team this year which should be successful from the beginning to the end, and stands a strong chance in winning the Intercollegiate Championship in his class.

Practice is being held every Monday, Wednesday, and Friday afternoon and will continue until Christmas. Although the early announcements of practice brought out many promising men. Tryouts in the heavier divisions are welcome, either for the frosh or the Varsity teams.

### Bolanos Coaches Frosh

Juan Bolanos, last year's captain, is helping Coach Rawson this season, by coaching the freshmen, leaving the regular team for more experienced instruction, and incidentally leaving the Coach more time to spend on the Varsity. All previous Varsity team members are urged to report as soon as possible and to start regular workouts as the first meet is in January. It is essential that all men expecting to compete get into condition at once.

### New Equipment

New equipment is being purchased for the squad, and will consist of new punching bags and riggings, as well as some smaller apparatus. With a number of last year's Varsity men back again and in training, and more in the offing, Coach Rawson has much to look forward to this season. The men returning from the old Varsity team are: Orleman, Gamoretti, Barker, Daniel, Thompson. Among the freshman squad of last year, the men returning are: Fisher, Cooper, Goodridge and Cashman.

The schedule for the Varsity this year will include meets with the following teams:

- Jan. 17—Army at West Point.
  - Feb. 3—Catholic University at Washington.
  - Feb. 7—Navy at Annapolis.
  - Feb. 14—Yale at New Haven.
  - Feb. 21—Coast Guard at New Haven.
  - Feb. 28—Dartmouth at home.
  - March 7—Harvard at Harvard.
  - March 14—N. Y. U. at New York.
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## PRATT WILL SPEAK ON BUSES TODAY

### Demonstration of Diesel Bus to Follow Meeting

Mr. J. M. Pratt of the Mercedes Benz Company, a German Bus Company, will be the speaker at a meeting of the Society of Automotive Engineers held in Room 5-134 at 2:00 P. M. this afternoon. He will explain the new diesel powered bus of the Mercedes Benz Company, and immediately after the meeting one of the busses will be demonstrated.

These busses are manufactured in Germany and are handled in the United States by the National Railway Appliance Co. According to the European custom they have the right hand drive. The vehicle runs on six wheels supported by three separate axles. The brakes work on all six wheels providing a large margin of safety.

The engine which is of the diesel type burns fuel oil which costs about half as much as gasoline and at the same time gives about twice the mileage. The engine develops seventy-two horsepower and has no carburetor or ignition system to get out of order.

## Combined Musical Clubs Completing Concert Project

Matrons Accept Invitations  
For Annual Christmas  
Entertainment

Having accepted the invitations of the Combined Musical Clubs, Mrs. Robert P. Bigelow, Mrs. William T. Hall, and Mrs. James R. Jack will serve as matrons at the annual Christmas concert and dance next Friday evening. A few last minute improvements in the decorations have been decided upon, and the ticket sales having progressed very favorably, the management is encouraged to believe that the concert will surpass any heretofore given.

The concert and dance will be held next Friday in the Main Hall of Walker Memorial, the concert ending at 10:30 o'clock and the dance which follows lasting until 2 o'clock. The members of the Musical Clubs will be distinguished by the Cardinal and gray ribbons which they will wear. For the use of those attending the concert and dance the lounge in the New Dormitories will be open until 2:30 o'clock. It is expected that the new lighting effects and floor finish will contribute much to the success of the dance.

### Ticket Sales Continue

Ticket sales are continuing from 12 o'clock to 2 o'clock in the Main Lobby and in the T. C. A. office, and at 5 o'clock in the Combined Musical Clubs office in room 303 of Walker Memorial. They may also be secured from any member of the Musical Clubs, at a price of \$4 for a couple ticket and \$3 for a stag. The Technonians and the Instrumental Club will have their group pictures taken at the Technology Portrait Studio early on the Friday evening of the concert.

## THE TECH MEETS T. E. N. SATURDAY

Ownership of Pi Delta Epsilon  
Cup Will Be Definitely  
Decided by Game

Ownership of the Pi Delta Epsilon Cup for this year will be definitely decided this Saturday afternoon at 2:30 o'clock on the Tech Field. At this time the two victorious football teams of the publications league will play each other in the championship game. The T. E. N. team as well as the eleven of THE TECH are preparing for the match and the game gives promise of being hard fought.

THE TECH defeated Technique several weeks ago in a well-played game with a score of 12 to 0. A week later T. E. N. inflicted a defeat on the Voo Doo eleven at which time the score stood at 7 to 0. This makes the first time that T. E. N. has not been eliminated in its first game from the championship encounter.

### The Game Last Year

Last year the cup was not awarded because of the tie that resulted in the championship game. This game last year was between THE TECH and Voo Doo. The game was bitterly contested throughout the four periods and the final score stood at 6 to 6. As a result of this, the teams this year are determined that there shall be no ties and a harder fought game than ever is predicted.

## Innovation Eliminates Quaint Walker Customs

To prevent further embarrassment on the part of students, who in the past have mistaken the center piece of the tables in Walker for their own napkins during a scramble for the salt and ketchup, attractive paper doilies have been substituted for the cloth ones. This innovation makes the tables more attractive to the diners as they do not have to fight over the napkin in the center when theirs have fallen on the floor.

## Captain of Team Which Plays Crimson Tomorrow



BENJAMIN P. HAZELTINE '31

## Strong Freshman Squad To Run 50 Yard Next Week

Intense Competition Features  
P. T. Events—Records  
May Be Broken

Intense competition has developed around the track house among the yearling tracksters over the P. T. competition. Started last year by Coach Hedlund, it has grown into a keen race for the title of the most outstanding all-around freshman trackman. Next week the yearlings will toe the mark for the 50-yard dash in an effort to boost their cumulative score, and an interesting race is expected. The remarkable strength of the freshman squad and the interest that has been taken in the tournament has given Oscar a chance to look them over, which should result in one of the strongest yearling teams in years.

### Records May Fall

Among the favorites in the 50-yard event are Huff, Allen, Bell, and Timmerman, all of whom can do 40 yards under 5 seconds. In the handicap meet last Saturday three of the first five places went to this group. However, the great variety of events levels off the single accomplishment of any outstanding men, and sharpens the competition.

Last year over fifty men were competing for the medals, and the best time turned in for the fifty-yard dash was 5.4. Twelve made this time. Seven of these will be outstanding candidates for the Varsity next spring. The list of points to be made in the fifty yard dash are as follows:

Record: 5:2 seconds, 5:2 sec., 100 pts.; 5:3 sec., 95 pts.; 5:4 sec., 90 pts.; 6:0 sec., 85 pts.; 6:1 sec., 80 pts.; 6:2 sec., 75 pts.; 6:3 sec., 70 pts.; 6:4 sec., 65 pts.; 7:0 sec., 60 pts.; 7:1 sec., 50 pts.; 7:2 sec., 40 pts.; 7:3 sec., 30 pts.; 7:4 sec., 20 pts.; 8:0 sec., 10 pts.; 8:1 sec., 5 pts.; 8:2 sec., 3 pts.; 8:3 sec., 1 pt.

## MR. D. L. DALEY WILL SPEAK AT MEETING

Former B. C. Coach To Talk  
At Catholic Club Meeting

Mr. D. Leo Daley will address a regular meeting of the Catholic Club to be held in the North Hall of Walker Memorial at 7:30 o'clock tonight. The meeting will be a smoker, a short entertainment following the talk. Refreshments will be provided at the conclusion of the program.

In addition to coaching football at the English High School in Boston, where he is also an instructor in History, Mr. Daley has been a coach at Boston College. All members of the Catholic Club are expected to attend the meeting tonight.

## ENGINEER SQUAD PLAYS CRIMSON HOCKEY TEAM

Obtain F. M. Gager  
For Next Meeting  
Of Radio Society

Instructor on Communications  
Will Explain Directive  
Transmission

"Commercial Practice in Short Wave Beam Transmission" will be the subject of an address to the Radio Society by F. Malcolm Gager, an instructor of the Communication Department, on Thursday, December 11, at five o'clock in room 10-275. All students interested in this subject are invited to attend.

Mr. Gager, a graduate of Penn State, has had varied experience in the field of radio communication. Beginning as an amateur radio operator before the war, he has been with the Radio Corporation of America in both their Marine and Design and Research Departments.

### Exhibits at Last Meeting

Elwood W. Schafer addressed the society on the manufacture of vacuum tubes at the last meeting and displayed three interesting exhibits which attracted much attention: an experimental tube of the new five element pentode type, a war time tube, one of the first lot of tubes produced commercially, and a photo-electric tube used in the reproduction of talking pictures.

John M. Hollywood '31 and John N. Dyer '31 were elected to the Executive Committee, preceding the address.

## TECH SHOW HOLDS ORCHESTRA TRIALS

Musicians Interested in Tech  
Show Will Report In  
East Lounge

Orchestra tryouts for Tech Show will be held on Thursday, December 11, in the East Lounge of Walker Memorial. A fairly large orchestra is needed, and there will be an opportunity for everyone that comes out, the total number of pieces required being fourteen.

Men who play any of the following instruments are urged to come out: Piano, traps, saxophone, trumpet, banjo, violin, trombone, bass and cello. It is necessary that any one trying out for the orchestra bring his instrument and a music stand with him on Thursday.

### Open Poster Contest

Attention is called to an error that occurred in the Monday issue of THE TECH. It was announced that the Skit Contest was now open, but it should read that the Poster Contest is now open. The drawing should be submitted on a piece of cardboard measuring 14 by 20 inches and itself should measure 11 1/4 by 18 inches. It must contain the words "Technicalities," the name of the show, and "Tech Show 1931."

## Contracts Awarded For New Laboratory

Contracts have been awarded to Stone & Webster, Inc., for the construction of the new Spectroscopic Laboratory, which will be erected in the quadrangle formed by the new Physics-Chemistry Building and Building 4. It is hoped that work on the new building will be begun within a week, the Superintendent of Buildings announced Monday.

The Spectroscopic Laboratory is to be a two-story building, with a special foundation to eliminate all vibration, and will be carefully insulated against changes in temperature. The new addition will be used for research work.

## ELLIS AND WOOD ARE OUTSTANDING ON HARVARD SIX

Beaver Sextet is Handicapped  
By Lack of Practice  
On Ice

### DEFENSE MEN UNNAMED

Harvard's Hockey squad, coached by Joe Stubbs, is almost the same sextet that placed third in the national ratings last year. Captain Harwood Ellis has the goalie position, Barry Wood is at center; Johnny Garrison and Del Everett are the wings, and Charley Cunningham and Sam Batchelder are defense men. There is also a wealth of substitutes for replacements.

Harwood Ellis is probably the outstanding star of the Crimson squad. He is an excellent goaltender, being for the past few months under the tutelage of "Tiny" Thompson, star goalie for the Bruins. Ellis has progressed rapidly and has become not only a good defensive player, but also he has become quite an offensive figure.

### All Sports Man at Center

Barry Wood, that versatile athlete is the center man on the Crimson team. Being a very clever player, his main ability seems to be knowing where and when to pass the puck. His faults lie in lack of ability on skates and reliability of his shots. These faults, great as they would be in some players, are completely overshadowed by Wood's quick thinking mind and natural sense in passing. He is as good a center as has been about Harvard since the beginning of the sport there.

Garrison at forward is an all-round good player with a long stride, and a good shot. Del Everett, the other forward, skates gracefully with bent knees, making himself a pleasure to watch. For that or not he has the unfortunate habit of doing miles of extra skating.

### Harvard Defense Strong

To replace the Bigelow twins Coach Stubbs has found two defense men, Cunningham and Batchelder. To quote the Harvard A. A. News, "Both these gentlemen are good puck carriers, clever stickhandlers, and poor shots." They will make a defense hard for the M. I. T. line to penetrate.

Besides these men there is a wealth of material which comes up from last year's freshman team in the person—  
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## HYDRO-ELECTRICITY SUBJECT OF ADDRESS

Trip Planned to View Plant of  
Plane Grinding Company

Hydro-electric power, and the Conowingo Dam, was the topic discussed by Mr. Albert A. Northrup of the Stone and Webster Construction Company, at the last meeting of the M. I. T. branch of the Mechanical Engineering Society, held last Friday afternoon. Mr. Northrup had lantern slides with which he illustrated the talk which was closely followed by all. About seventy-five men were present. Professor Fuller also spent some time explaining the aims and ideas which the society is trying to develop. He announced that the society has decided to make some awards to a few of the members who are students.

The next meeting of the Society will be on December 17, for a trip to the Blanchard Plane Grinding Company in Cambridge. Membership in the Society is open to all men interested in the various phases of mechanical engineering, and, as a membership drive is now under way, any man thinking of joining, is requested to do so at once, and take advantage of this latest trip.

# CHRISTMAS CONCERT FRIDAY