

ADVANCED STUDY UNDER INSTITUTE DIRECTION BEGINS

Seven National Research Fellows
Choose Technology for
Advanced Work

SUPERVISED BY FACULTY

This fall Technology welcomes a group of seven National Research Fellows who have chosen the Institute at which to conduct advanced physical and chemical research.

Under President Compton's supervision, Dr. Norris E. Bradbury of the University of California will study the mobility of alkali metal ions in the rare gases, and Dr. Edward W. Samson, Princeton, will investigate nuclear structure problems with high voltage protons.

Dr. Isadore Amdur, University of Pittsburgh, plans a study of the kinetics of reactions involving atoms and radicals, under the direction of Professor Frederick G. Keyes, Head of the Department of Chemistry. Professor Keyes will also guide the research of Dr. John L. Oncley, University of Wisconsin, in the frequency variation of the dielectric constant.

Studies Quantum Mechanics

With Professor John C. Slater, Head of the Department of Physics, as supervisor, Dr. William W. Hansen, of Stanford University, will study quantum mechanics; Dr. Theodore E. Sterne, Cambridge, England, vapor pressures and entropies (statistical mechanics); and Dr. Rolland M. Zabel, University of Iowa, the scattering of molecular beams.

The National Research Fellowships are supported by the Rockefeller Foundation, and administered by the National Research Council to students of exceptional promise who have secured the degree of doctor of philosophy. Last year some 60 National Research Fellows carried on advanced studies in physics, chemistry, and mathematics in this country and abroad. Since the beginning of the fellowship program in 1919, nearly 350 men have received appointments.

Many Fellows On Staff

Among the past National Research Fellows now members of the Institute

(Continued on page four)

Freshmen May Secure Ties In Institute Halls Monday

It has always been the custom for Freshmen entering Technology to wear the official cardinal and gray tie during their first term at school. The practice was instituted to give the new men ample opportunity to recognize each other and thus build up the spirit of their class. While it is indeed true that little of the usual college life can be found at Technology, what does appear is correspondingly stronger than elsewhere. Don't fail to get your tie in the Main Lobby on Registration Day.

LOUIS P. HOLLADAY, '34
Chairman, Freshmen Rules
Committee.

Tech Engineering News Will Appear Registration Day

President Compton Contributes Article on "Adventures in Physics"

President Karl T. Compton contributes the feature article called "Three Adventures in Physics" in the October issue of the Tech Engineering News, which will be on sale Monday morning at 8 o'clock. In his story, President Compton, relates the development of Transmutation, Cosmic Rays, and High Voltage.

Shades and shadows in a modern foundry is portrayed in the cover cut. A sun streaming in through windows high up in the roof shows the dust filled shop with the laborers working with a ladle. The frontpiece is a scene from a welding plant, where a broder machine is being repaired with the oxy-acetylene torch.

Sophomore Contributes

Cecil E. Mann, '35 has written an interesting history of rocket transportation. Germany and the United States are competing with each other in rocket research he reports. "Inventive talent created a new industry in the manufacture of Dry Ice," says Alonzo W. Ruff, '26, in a short article on the Carbon Dioxide industry.

200 Freshmen Leave For Lake Massapoag; Many Events Will Feature Seventh Annual Camp

Freshmen Will Find It Difficult To Continue Traditional Ducking

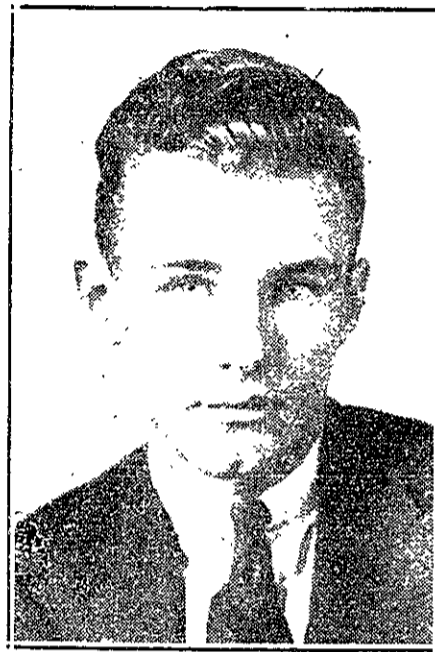
Sophomore President Cheats Them By Arriving Day Late

Following a tradition which is as old as freshman camp, first year men are already buzzing with plans and schemes to capture the elusive Sophomore president and throw him into the lake as a token of their hospitality.

THE TECH learned on what is believed to be reliable authority that Collins will not arrive at the camp until Saturday, thereby cheating the freshmen of one day in which to hunt their prey.

Last year at freshman camp the new men had difficulty in discovering the then Sophomore president, Henry D. Humphreys, '34, and carrying out their traditional mission. Humphreys, it seems, spent the first night in an old barn nearby with a colleague and the second night in an abandoned railroad shack. It was not until late Sunday afternoon that the freshmen met with success and captured their quarry.

In direct contrast to last year's



EDWARD C. COLLINS, '35

Sophomore president, a former coxswain, who weighed less than 130 pounds. Collins is a huge six-footer who boxed in the heavyweight division of the varsity boxing team. A freshman victory evidently will have to be well earned.

MANY PROMINENT ACTIVITIES SEND REPRESENTATIVES

Walter Humphreys, '97 Will Tell of Technology's History and Traditions

CAMP WILL END MONDAY

Approximately 200 freshmen of the Massachusetts Institute of Technology left today for Lake Massapoag, where they will attend the Institute's seventh annual freshman camp in preparation for the opening of Technology on Monday.

The three-day outing is conducted by the Technology Christian Association for the purpose of acquainting new students with their classmates, Institute administrators, and members of the faculty, as well as with leaders of student activities and sports. The group will return to Technology in time for registration on Monday morning. In addition to the freshmen, some 30 upperclassmen will attend the camp as councilors.

William E. Rand, '33, is manager of the freshman camp, and headquarters will be established in the Tech Cabin at Lake Massapoag. Among the administrative group at headquarters will be E. Arthur Hungerford, Jr., '33, president of the Technology Christian Association; Wallace M. Ross, its general secretary; and Richard L. Fossett, Jr., '33, president of the senior class.

President Compton Arrives Tomorrow

President Karl T. Compton will visit Camp Massapoag tomorrow to welcome the freshmen, and Dr. Vannevar Bush will make his initial appearance at the camp as vice-president of the Institute. With them at the general assembly, which will be held shortly after one o'clock, will be Dean of Students Harold E. Lohrleit, Col. Samuel C. Vestal, head of the department of military science and tactics, Professor James L. Tryon, director of admissions, and Assistant Dean Thomas P. Pitre, who is in charge of freshman registration. On Saturday evening there will be a general assembly in which Assistant Bursar Delbert L. Rhind, Professor Leicester F. Hamilton, and Professor William P. Ryan will participate.

The students leave Walker Memorial in busses at 2:30 this afternoon, and activities at the camp will start tonight with a meeting presided over by Richard Fossett. John Waters, physical director of the Cambridge Y. M. C. A., will relate the history of Camp Massapoag, and Walter Humphreys, '97, secretary of the Institute corporation, will give an illustrated lecture on Technology traditions. The work of the Walker Memorial committee will be described by Edward L. Wemple, its chairman. Col. Frank L. Locke will then speak as director of the personnel bureau, and the meeting will conclude with Institute songs led by Orville B. Denison, former alumni secretary.

Taylor Leads Discussion

Tomorrow's program commences with a discussion of college problems led by Harry B. Taylor, Y. M. C. A. preparatory school secretary in New England, to be followed by brief talks by student leaders concerning undergraduate activities. There will be swimming in the morning, and in the

Foundation Sponsors Research Fellows In Textiles and Fabrics

Varied Experimentation Started by the Late Dr. Stratton Grows in Scope

With the opening of the school year, three of the five Technology men appointed research fellows by the Textile Foundation last spring will commence activities at the Institute.

Under the direction of Professor Edward R. Schwarz, '23, of the Department of Mechanical Engineering, G. Gordon Osborne will investigate the micro-analysis of fibers. He will study the latest designs in microscopes, particularly one which uses incident rather than reflected light, and will establish an improved technique for preparing cross-sections of various textile fibres for study by means of stereoscopic photo-micrographs. Mr. Osborne's work is definitely correlated with textile research now being sponsored by the Textile Foundation at the University of Chicago and Cornell University.

A problem of immediate interest to the dye and textile industries, the spectrophotometric analysis of dyed materials, will be undertaken by Orrin W. Pinceo, '29, in the Technology laboratory for color measurements. Mr. Pinceo will work under the direction of Professor Arthur C. Hardy, '18, of the Department of Physics.

Studies Micro-Biology of Fibers

Byce Prindle, '31, will study the micro-biology of textile fibres which includes the types and effects of moulds, fungi, and bacteria attacking yarns and materials. His research will be conducted under the supervision of Dr. Samuel C. Prescott, '94, Dean of Science.

John E. Calkin and Bernard S. Gould, '32, also appointed Textile Foundation research fellows, are carrying on advanced studies at Cor-

Hedlund Issues First Call For Track Material

Freshman Harriers are Urged To Report First of Week To Meet Coach

By Coach Oscar Hedlund

Each year the incoming freshman is in a quandry as to the sport he should take up for recreation or an activity during his four years at the Institute. Track and Cross Country have been the major sports for many years due to the fact that they require very little time and each man works as an individual in his event, causing no waste of time waiting for his team mates.

We have schedules all made out for this year so that the freshmen have plenty of competition, both in track and cross country, also handicap meets and our big Interclass Meet in November. There is some form of competition each week-end during the school year which gives each boy an opportunity to try his luck and at the same time creates regular competition either with the boys at school or outside colleges and prep schools.

The big event of the fall is the Freshman and Sophomore Relay race which is held on the first Saturday in November, and this creates a great amount of interest each year. The competition involves twenty-four boys and gives everyone a chance to try out and possibly find a position for himself in this interesting race. It has always been a spectacular race and usually very close at the finish. This form of competition also gives me an opportunity to see what the freshman class has to offer for the Winter and Spring meets. During this time of the year the freshmen are given special attention as they are a source of material for the Varsity team next year.

Cross Country
Freshman Cross Country, which starts on September 26th, gives a

Freshman Camp Activities

FRIDAY

- 7:30 p.m. Assembly at Walker Memorial to leave for the camp.
- 8:00 p.m. Swim.
- 8:30 p.m. Supper.
- 9:00 p.m. History of Camp Massapoag — John Waters.
- 9:30 p.m. Instruction in cot making.
- 10:00 p.m. Assembly in Friendship Lodge.
- 10:30 p.m. Dick Fossett, '33, in charge.
- "History and traditions of the Institute" — Illustrated Lecture — Walter Humphreys, '97.
- Personnel Bureau — Col. Frank L. Locke, '86.
- Student Government at M. I. T. — Dick Fossett, '33.
- Walker Memorial Committee — Ed Wemple, '33, Chairman.
- Tech songs and cheers — O. B. Denison, '11.
- Introducing camp doctor, Dr. E. E. Katwinkler, '23.
- Councilors' meeting in Friendship Lodge.
- Taps.

SATURDAY

- 7:00 a.m. Reveille, Setting up exercises — Ivan Getting, '33, Dip.
- 7:30 a.m. Breakfast and announcements.
- 8:00 a.m. Camp details.
- 8:30 a.m. Discussions — Harry B. Taylor, leader.
- 9:00 a.m. Presentation of regalia, Dick Fossett, '33, presiding.
- 9:30 a.m. Group activity meetings in tents.
- 10:00 a.m. Swim.
- 10:30 a.m. Dinner and announcements.
- 11:00 a.m. Athletic program, baseball, crew, rifle range, etc.
- 11:30 a.m. Assembly in Council Ring, President Compton, Vice-President Bush, Dean Laddell, Registrar MacKinnon, Colonel Vestal, Dr. Tryon, Assistant Dean Pitre, in charge of Freshman Registration.
- 12:00 p.m. Athletic program, continued.
- 12:30 p.m. Swim.
- 1:00 p.m. Supper and announcements.
- 1:30 p.m. Assembly in Council Ring, Duke Selig, '33, presiding.
- 2:00 p.m. Assembly in Friendship Lodge.
- "Work of Homer — Tiff-mary" — Illustrated talk by Dr. Morse or Dr. Croke.
- 2:30 p.m. Movies — Prof. Hamilton, '14, presiding.
- 3:00 p.m. Councilors' meeting.
- Taps.

SUNDAY

- 7:00 a.m. Reveille, Setting up exercises — Ivan Getting, '33, Dip.
- 7:30 a.m. Breakfast and announcements.
- 8:00 a.m. Camp details.
- 8:30 a.m. Track meet, Coach Hedlund in charge.
- 9:00 a.m. Discussions, Harry B. Taylor, presiding.
- 9:30 a.m. Swim.
- 10:00 a.m. Dinner and announcements.
- 10:30 a.m. Baseball game, finals, rifle range, etc.
- 11:00 a.m. Vesper Service, Robert W. Fay, leader.
- 11:30 a.m. Swim.
- 12:00 p.m. Supper.
- 12:30 p.m. Open Forum in Council Ring.
- 1:00 p.m. Movies in Friendship Lodge — Coach Hedlund in charge.
- 1:30 p.m. Taps.

MONDAY

- 6:45 a.m. Reveille.
- 7:15 a.m. Breakfast.
- 8:00 a.m. Departure for Cambridge.

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(Continued on page three)

(Continued on page four)

A Record of Continuous News Service for Over Fifty Years



Official News Organ of the Undergraduates of M. I. T.

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GREEK LETTERS

To a college man who was a member of a fraternity during his undergraduate days, memories of his fraternity life are probably the strongest ones he has of his college years. Without a doubt, fraternities have earned for themselves a place in the college system of this country, and at the Institute the Greek letter organizations are firmly entrenched.

Fraternity life has its advantages, and annually a large number of men entering the Institute for the first time become connected with the various groups. For a fraternity to continue its existence, it is necessary that a certain number of these men be pledged each year. As the houses that get in their work first can pledge the better men, "rushing season" has come to be a yearly scramble. This year, because of the depression or something else, the various fraternities at the Institute are making strong bids for the new men, and practically every known tactic is being used.

During the last few days as more and more first year men have come to Cambridge, rushing has become more intensive. As an example, the man who comes to the dormitories and asks for keys does so at the risk of being rushed right off his feet, that is, if he has been able to escape the men who are at the stations to meet incoming trains. No efforts are being spared by the fraternities in their pledging campaigns.

Whether or not unrestricted fall rushing is a good thing, it remains true that attaching oneself to a fraternity is not a matter that should be treated lightly. The freshman should take his time in making a decision and should consider that he will probably live with the men in the group for four years. New men should not allow themselves to be hurried to a decision, but under the present system there is no alternative for the fraternities. Unless the members of a house pledge a man, their opponents in the game will put a button on him. He must be pledged and at once. The position of the fraternity man is such that he cannot do otherwise.

To the freshmen in the midst of rushing we can offer only this advice: do not join any fraternity until you have given the matter serious thought, and then do not think that you have to join any one that extends an invitation. Many student leaders at Technology have not been connected with fraternities, and membership in a Greek letter organization is not essential to a college education, although it does have its advantages.

WELCOME 1936

Welcome to Technology. Class of 1936! You will find it a great place: a lot of work, a lot of fun, a new experience, a happy experience. Those of us who have been here before like it; we are sure you will. We welcome you to a pleasant life, though, some say, a strenuous one.

Among the educational institutions of the world Technology occupies a unique position. Certain characteristics of curricula and scholastic requirements distinguish our school from others, and the atmosphere in which we live and work is different from that of any other college or technical school. This spirit of Technology is easily noticed. Doubtless you have felt it during the few days you have been in Cambridge. The longer you remain here the more you will come to feel this air that surrounds our life. It is a pleasant atmosphere you will work in, and as you gradually come to know it as have the class before you, you will become attached to the Institute, its ways, its life.

Three classes are here before you, one for a single year, one for two years, one for three years. Each has contributed something to the Institute, and each has received something from it. Each class has played the game and lived in the atmosphere of Technology. You are entering into the game with us — to give and to receive. To you, entering our group, we extend a friendly and a sincere greeting. Welcome to Technology, Class of 1936!

Technology Graduate Honored For Y.M.C.A. Work For Estonian College

Herbert S. Gott, '10, Serves as Association Secretary for Many Years

An honorary doctorate was recently awarded to Herbert S. Gott, '10, by the University of Tartu, Estonia, in recognition of his many years of constructive service to that country as National Secretary of the Young Men's Christian Association. Mr. Gott received the honorary degree of doctor of economics at a ceremony held during the University's tercentenary celebration, which he attended as a Technology delegate at the request of President Compton. Among other recipients of honorary degrees were the President of the Republic, Jaan Teemant, and the Crown Prince of Sweden.

In a recent letter to Dr. Compton, Mr. Gott described the tercentenary ceremonies, and told of the work of

the Young Men's Christian Association in Estonian industries, particularly on the north coast, where trained secretaries have been assigned to five large mills and factories. He went on to emphasize the importance of the Association's efforts to discover and train Christian leadership for the new nation.

Mr. Gott paid a brief visit to the Institute last November. During his stay he addressed students and faculty members, under the auspices of the Technology Christian Association, and described some of his experiences during 15 years spent in the social rehabilitation of post-war Europe.

IDENTIFICATION PHOTOS

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30 UNDERGRADUATE ACTIVITY LEADERS PRESENT AT CAMP

Faculty Members and Alumni Also Attend Seventh Annual Affair

CREW WELL REPRESENTED

Following are the leaders and guests who will attend freshman camp:

Freshman Camp Leaders
E. A. Hungerford, President, T. C. A.
Richard Morse, President, M. I. T. A. A.

John G. Hayes, General Manager, The Tech

Wilbur Huston, General Manager, T. E. N.

Duke Selig, General Manager Voo Doo

James E. Norcross, General Manager Technique

Omar Somers, Concert Manager, Musical Clubs

Louis Holladay, Chairman, Freshman Rules

Richard Fossett, President, Senior Class; Chairman, Institute Committee

Edward Asch, President, Junior Class

Edward Collins, President, Sophomore Class

Philip S. Cook, Captain, Crew

Edward Wemple, Chairman, Walker Memorial Committee

Sherman T. Leavitt, Manager, Track

Richard Bell, Representative, Track

C. C. Bell, Representative, Institute and Executive Committees

Adam Sysko, Co-Captain, Basketball

John Carey, Captain, Boxing

Louis Flanders, Captain, Swimming

Ivan Getting, Captain, Gym Team

John Hrones, Captain, Hockey

G. E. Kidde, Captain, Soccer

Robert G. Holt, Chairman, Budget Committee

I. Amenta, Chairman, Freshman Committee Dormitories

William E. Rand, Director, Freshman Camp.

Frank McMahon, Coxswain

Robert Emery, Coxswain

Bill Pleasants, Stroke

Roland Glenn, Stroke

Walter Bird, Manager, Crew

Faculty to be at Freshman Camp

Professor Ryan

Professor Owen

Professor Morris

Col. Frank L. Locke

Colonel Vestal

Professor L. F. Hamilton

Dr. Karl T. Compton

Dean H. E. Lobdell

Assistant Bursar, D. L. Rhind

Registrar MacKinnon

Dr. J. L. Tryon

Coach Oscar Hedlund

Dr. V. Bush

Dr. Louis Croke

Assistant Dean T. P. Pitre

T. C. A.

Mr. Wallace M. Ross

Mr. Pennell N. Aborn

Mr. Robert Fay

Mr. Harry Taylor

Army

Captain Johnson

Lt. Bicher

Sergeant MacDonald

Sergeant Frey

Sergeant Holmes

Sergeant Fitzgerald

Unclassified

John Kilroy, Electrician

Orville B. Denison, '11

Orville Denison, Jr.

William D. Murphy, Vice-Pres., Catholic Club

P. R. Ziegler, '00

Dr. Walter Humphreys, '07

Doctor:

E. Kattwinkel, '23

Believe it or not, there are very few co-ed colleges in the European continent. Women who desire a high education find full-filling of this wish extremely difficult. Many of them prefer to come to the United States.

Two professors at Purdue have compiled statistics showing that the three high schools produced the superior university students.

COMPARATIVE SCHOLASTIC STANDINGS OF UNDERGRADUATE ACTIVITY AND FRATERNITY GROUPS

(as of end of Second Term 1931-32)

	Average	Increase Over June, 1931	Corresponding Rank — June, 1931
1. Tau Beta Pi	4.07	0.312	1
2. The Tech Management	3.979	0.539	7
3. Officers' Combined Professional Societies	3.621	0.151	5
4. Phi Beta Delta	3.62	0.35	15
5. Benchmark Management	3.61	0.12	4
6. Voo Doo Management	3.59	0.319	14
7. Technique Staff	3.57	0.76	43
8. T. E. N. Management	3.56	*0.07	2
9. Officers of the M. I. T. A. A.	3.54	0.57	35
10. T. C. A. Cabinet	3.525	0.225	13
11. Dramashop Management	3.520	0.38	22
12. Dormitory Committee	3.45	0.099	9
Average of the 164 men holding managerial and executive positions in activities	3.448	0.181	
Average of the 153 men engaged in publication activities	3.386	0.174	
13. Alpha Kappa Pi	3.37	0.33	29
Average of the 417 men in 22 activity groups	3.36	0.154	
14. Kappa Sigma	3.36	0.28	26
Average of the 293 men on the Staffs of activities but not holding managerial or executive positions	3.347	0.183	
Average of the 79 men engaged in dramatics and musical activities	3.331	0.263	
15. Combined Musical Clubs Performers	3.33	0.13	19
16. Phi Sigma Kappa	3.32	0.74	51
17. Sigma Alpha Epsilon	3.28	0.19	24
18. Wearers of the Varsity Athletic Insignia other than "T"	3.277	0.037	16
19. Tau Delta Phi	3.27	**	
20. T. E. N. Staff	3.270	*0.18	6
21. The Tech Staff	3.243	0.033	18
22. Lambda Chi Alpha	3.24	0.23	30
23. Technique Management	3.232	*0.118	10
24. Alpha Tau Omega	3.23	0.389	41
Average of the 472 Dormitory Residents	3.23	0.08	
25. C. I. P.	3.22	0.24	33
Average of the 175 men engaged in athletic activities	3.216	0.003	
26. Sigma Chi	3.21	0.02	23
27. Beta Theta Pi	3.19	0.348	40
28. Delta Psi	3.15	0.51	49
29. Wearers of the "T"	3.139	0.059	25
30. Phi Gamma Delta	3.13	0.17	37
31. Theta Delta Chi	3.13	0.29	42
32. Combined Musical Clubs Management	3.126	0.536	50
33. Institute Committee	3.12	*0.26	8
GENERAL AVERAGE ALL UNDERGRADUATES	3.11	0.02	
Average of the 622 members of the 27 social fraternities. (Does not include Tau Beta Pi)	3.10	0.17	
34. Voo Doo Staff	3.088	0.208	39
35. Varsity Sports Managers	3.080	*0.07	21
36. Phi Mu Delta	3.07	*0.06	23
37. Sigma Nu	3.05	0.03	28
38. Psi Delta	3.05	0.26	44
39. Varsity Sports Captains	3.04	*0.57	3
40. Theta Chi	3.03	0.27	46
41. Phi Kappa Sigma	3.01	0.24	45
42. Sigma Alpha Mu	2.99	*0.24	17
43. Phi Kappa Alpha	2.99	0.33	48
44. Theta Xi	2.95	0.53	52
45. Delta Tau Delta	2.92	*0.05	36
46. Phi Beta Epsilon	2.92	*0.01	31
47. Delta Upsilon	2.88	*0.03	34
48. Delta Kappa Epsilon	2.83	*0.24	27
49. Phi Kappa	2.56	*0.12	47

* Decrease
** Not rated in June 1931

The Dean's office today released the above compilation of scholastic ratings of various groups at Technology. Several severe changes have been made since last year, the most noticeable being that of varsity sport captains which dropped from 3rd place to 39th and of the Institute committee which fell from 8th place to 33rd. THE TECH management rose to second place.

Freshmen

An Invitation

TO BECOME

"Gentlemen of the Press"

THE TECH, the oldest, largest and most important of the student publications has openings on its staff for several bright, ambitious freshmen to work up through an impartial point system competition to positions of merit on the managing boards.

Men are needed in reportorial, business and editorial capacities.

Those interested should consult THE TECH representative at the Camp or drop into the office in Walker Memorial for further particulars at any time

A mass meeting for all new men will be announced shortly.



"TECHNOLOGY'S LEADING ACTIVITY"

HEDLUND CALLS FOR TRACK CANDIDATES

(Continued from page one)

great many boys an opportunity to build themselves up for the coming season, competing with Harvard, New Hampshire and Holy Cross, also competing in the New England Cross Country at Franklin Park, and Inter-collegiate Championship at New York in November. Every year the freshmen have reported for Cross Country and a majority of the boys who have reported have been novices, but before the season was over they became excellent runners and by spring the Cross Country work was shown to be of great value. All men interested in this form of recreation should report on Monday so that we can start early and be prepared for our dual races.

Boys who are novices and who never did any athletic work previous to coming to the Institute, should not take this into consideration, but report and try to see if there is some hidden talent in their make-up. The majority of boys reporting each year have had no experience; but before getting through school they become champions in their event.

Good Substitute for Physical Training

Freshmen are later required to take physical training for the first year, but have the privilege of selecting track in place of P. T. and this gives them an excellent opportunity to work out of doors the year round. Many boys who have substituted track for physical training have become excellent athletes and received many prizes

for their efforts. I hope all freshmen who are interested in track will report at the Track House on Monday or Tuesday afternoon and ask any necessary questions. We will be glad to help you in every way in solving your freshman problems, using your spare time in an activity. Do not wait until it is too late; start early and see what the Institute track can do for you. As it has been of benefit to others in the past, so let it be to you in your college days at M.I.T.

A prospective freshman student at the University of Michigan was recently expelled when it was discovered that he had forged his entrance credentials.

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If you look, you will find that a great many tobacco packages say "for pipe and cigarettes." But the Granger package says:

GRANGER ROUGH CUT Pipe Tobacco

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Gym Team Begins Limbering Up In Walker Gymnasium

Veterans Have Returned — Guy Barnett Back After Year Layoff

Already Walker Memorial is resounding with the boom of tumblers and the squeak of flying rings, as the gymnasts begin work for the new season. For the past two weeks the squad has been trickling back until now almost the entire varsity is on hand limbering up.

Guy Barnett who was forced to remain out of school last year, is back to represent the team in the rope climb and parallel bars. With the graduation of Captain Ericson, a consistent winner in those two events last season, the return of the veteran Barnett is welcomed by Coach Neudorf.

Captain Getting has returned to the Institute and seems to be in good condition. He intends to specialize this year on the high bar and side horse. Dave Treadwell, the only other fourth year man on the varsity is back and all set for a good season.

The other veterans who have and are expected to be back for the new season are Flaitz, Lewis, Hudson, Goldstein, Bissell, and McAuley. Manager Fauchter is arranging a mass meeting for the freshman candidates to be held in the gym in the near future.

FOUNDATION SPONSORS RESEARCH IN FABRICS

(Continued from page one)

nell University and the University of London, respectively. R. L. Steinberger of Harvard University will work in cooperation with the Institute's textile research laboratory, and in consultation with Professor Schwarz.

New Device Developed Here

A notable addition to Technology's unusually complete facilities for textile study has been made in the form of a new device for making stereograms of textile materials. Developed at the Institute by means of funds from the Textile Foundation, the apparatus makes possible the photographic study of fabrics in three dimensions, with or without the aid of a microscope and without the use of much special equipment formerly employed. So far as is known, the instrument is the first of its kind in use in an educational institution.

The unique abstract service carried on by members of the laboratory staff for publication in the Bulletin of the United States Institute for Textile Research and for the laboratory's own files, will be continued throughout the year. This service, instituted by the late Dr. Samuel W. Stratton, now covers 60 foreign and domestic periodicals, and forms the most complete survey of current scientific literature made in the textile field in this country.

200 FRESHMEN LEAVE FOR LAKE MASSAPOAG

(Continued from page one)

afternoon crew races and various sports under the direction of Henry P. McCarthy, physical director. In the evening Dr. Louis W. Croke, assistant medical director in the department of hygiene, will give an illustrated talk on the Homberg Infirmary.

A track meet will take place on Sunday morning under the direction of Coach Oscar F. Hedlund, and in the afternoon vesper services will be conducted by Dr. Robert W. Fay, assistant rector of Christ Church, Cambridge, who is in charge of the work of Episcopal students in New England. Later, Coach Hedlund will show motion pictures in Friendship Lodge illustrating track activities at the Institute. Camp will close early Monday morning.

As a result of several campus fires, Cambridge police have asked Harvard students to act like gentlemen and to cease throwing cigarette butts from dormitory windows.

President Compton Returns With Family From Vacation In Michigan

Arrives Back in Time to View Eclipse from Douglas Hill, Maine

President and Mrs. Compton and their children returned to the Institute on August 29 after spending the summer at Otsego Lake in Michigan. Dr. Compton joined them there following his journey to Corvallis, Ore., where on June 29 and 30 he attended the meetings of the Society for the Promotion of Engineering Education.

During the summer, Vice-President Vannevar Bush was in charge of affairs at the Institute, and spent his leisure time with his family at their summer home on Cape Cod. They returned to their home in Belmont early in September.

On Sunday, July 24, President Compton was the guest of the alumni of Michigan at their reunion at Cranbrook School in Bloomfield Hills. To this well-attended and enthusiastic reunion came a group of Technology men from Toledo, O. John H. Little, '23, President of the Detroit Tech-

nology Association, was in charge of the gathering and introduced Dr. Compton when he spoke to the alumni on the importance of fundamental training in science and engineering.

President Compton returned to the East in time to witness the total eclipse of the sun on August 31. To be near the center of the path of totality, he went to Douglas Hill, Me., and was the guest of Orville B. Denison, '11, who operates the Douglas Hill Inn.

DR. URRY CHOSEN RESEARCH FELLOW

Dr. W. D. Urry, a young English physical chemist who is recognized as one of the world's leading experts in the determination of the geological age of minerals through measurements of their radio-active and rare gas contents, has been appointed a research fellow at the Institute.

INSTITUTE UNDERTAKES ADVANCED RESEARCH

(Continued from page one)

staff are Professor Ralph D. Bennett of the Department of Electrical Engineering; Professors George R. Harrison, Philip M. Morse, and Victor Guillemin, and Drs. Robert J. van de Graaff and John C. Wulff of the Department of Physics; Professors James A. Beattie, '17, George Scatchard and Louis Harris, '20, and Drs. Nicholas A. Milas, Charles E. Teeter, and J. G. Kirkwood of the Department of Chemistry; and Professor Jesse Douglas of the Department of Mathematics.

ENGLISH OPTION OFFERED FRESHMEN

A special English course for freshmen is again offered by the English Department this year with Mr. F. G. Fassett, Jr., in charge. This course is open to freshmen who are candidates for positions on the T. E. N. and THE TECH staffs. The course covers the history of the newspapers in the United States and gives practical instruction in the art of writing news stories and headlines.

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