

## Dr. Compton In Discussion On Atom Power

Harrison, Wiener Also To Speak In Program January 7 At 4 P.M.

Dr. Karl T. Compton, Dean George Harrison and Prof. Norbert Wiener will engage in a panel discussion on the subject, "Atomic Power," in a meeting to take place on Monday, January 7, from 4:00 P.M. to 5:00 P.M., in Room 10-250. This meeting is sponsored by the T.C.A., and Marvin Sparrow, 2-46, President of that organization, will preside.

Offers from Greater Boston families inviting Technology men to Christmas dinners have been received through the T.C.A., a few invitations to parties during the week have also been received. These offers are intended only for students living too far from home to return for the holidays. Those interested should leave their name and telephone number in the T.C.A. office not later than tomorrow; applications will be considered in order of receipt.

The T.C.A. office will be closed all day on Monday, December 24, and Tuesday, December 25, and will be open only from 1:00 to 5:00 P.M. on Tuesday, January 1. Otherwise the regular schedule will be followed throughout the vacation period.

## Gridiron Society Elects Officers

The Gridiron Society, the honorary publications organization of the Institute, held a meeting last Tuesday, December 18, at 5:00 P.M., in the Ware Lounge, at which time new officers were elected and plans for future activities were discussed.

The newly elected officers are: President, Richard Bakal, 2-47; Secretary, Edward L. Belcher 6-46; and Treasurer, Donald S. Cohen, 10-46.

The Gridiron Society is composed of the more prominent men holding offices on the various Institute publications. Also discussed at the meeting were the various difficulties that confront the editors of the Institute publications and how these problems could be handled for the maximum efficiency.

## "Penny A Pound" Slogan For 5:15 Christmas Dance

Tonight, from 8:30 P.M. to 12:30 A.M., the 5:15 Club will hold a Christmas Dance, the second in a series of planned social functions that promise to elevate the activity of the club back to its pre-war standards.

Chairman of the dance committee is Harold Jacobson, 2-46, who has stated that the evening should be anything but dull. The fun will begin at the door, where the slogan will be "A penny a pound," since the 5:15 members are to pay admission at that rate using their female companions as bases. The club room will be decorated in Christmas style, with tree and all the trimmings, and refreshments are to consist of ice cream and cookies.

Aside from dancing, entertainment has been planned in the form of a Treasure Hunt, in which the couples will have to do a little sleuthing to find their prizes. Door prizes will be awarded also. Chaparrones for the dance are Mr. and Mrs. John C. Fischer.

## Radiation Laboratory Prepares Volumes On Information Gained From Research

Publication of the largest series of books on physics and electrical engineering ever undertaken in the United States has been arranged by the Institute for the Office of Scientific Research and Development, it was announced recently by James R. Killian, Executive Vice President. The Radiation Laboratory Technical Series, comprising twenty-eight titles and a General Index, reports the results of five years' wartime work on radar. The purpose of the series is to make available to science, industry, and the public generally the results of the immense developments in electronics and in microwave theory and technique during the war years, which, once secret, have now widely been declassified. These will be of inestimable value in peacetime research in physics, biology, and other natural sciences, as well as providing the engineering foundation for post-war industrial developments in television, communications, and electronics.

### Technique Emphasized

Work reported in the series required the expenditure of about 20,000 technical man-years in the various radar research and development establishments, Dr. Killian revealed. "For the first time," he said, "the technical literature of a large subject is being created all at once, on a uniform basis. Emphasis in the series will not be on radar itself, but rather on the basic techniques which underlie many phases of electronics in addition to radar," he stated.

Publication of the series will be handled by an agreement between M.I.T., acting for the Office of Scientific Research and Development, and the McGraw-Hill Book Company, which is undertaking the publication. This arrangement is expected to serve as a model for the publication of other scientific work done with public funds under OSRD contract, now that the need for wartime secrecy no longer exists where this information is of general interest and can desirably appear in book form. Royalties on the sale of the books will be paid to the U. S. Treasury.

Plans for the series have been under way since late 1944, when it became clear that the end of the war was not far off. Intensive work has been carried on since June. Manuscript is now being prepared at the rate of nearly 400 pages per day by 187 authors under the direction of nine editors. Illustrations are being drawn by more than a hundred artists and draftsmen.

## Dr. Moss To Speak On Jet Propulsion

Dr. Sanfred Moss, research engineer associated with the General Electric Company division in Lynn, will deliver a talk under the sponsorship of the Rocket Society on Tuesday, January 8, at 7:00 P.M. A large portion of Dr. Moss's address will be concerned with jet propulsion, and the lecture will be illustrated by slides. All associated with Technology are invited. The place has not yet been chosen; however, Litchfield Lounge, the Society's usual meeting place, has been ruled out, because it is too small for the crowd anticipated and because it lacks facilities for projecting slides.

The Society has been carrying on tests with an all-quartz motor and others using a combination of gasoline and liquid oxygen for fuel. Generally these motors are quite small, but thrusts as great as 25 pounds have been obtained. Publication number five on these experiments has recently been issued.

## Dr. Ivan A. Getting Lectures On Radar

Theory And Devices Discussed; Film Shown

Dr. Ivan A. Getting, associate professor of Electrical Engineering and a division director in the Radiation Laboratory, delivered a talk on radar on Wednesday, December 19, in Room 10-250, under the auspices of the A.I.E.E.

Dr. Getting's talk, which lasted about an hour, included a qualitative discussion of the theory of radar, and explanation of various devices now in use and in the process of being set up. Various adaptations of radar with statistics illustrating its effectiveness were also mentioned, and a movie supplementing the lecture was shown.

A trip to the tube manufacturing section of Sylvania is now being arranged by the A.I.E.E., and it is anticipated that it will take place early in January. The Society is planning a trip through the differential analyzer about the middle of January.

## Symphony Orchestra Starts Reorganization

The M.I.T. Symphony Orchestra has begun a program of reorganization under the direction of Antonio J. d'Almeida, 10-47, and although a great deal of interest has already been shown, more members are needed to complete the expansion. Students who can play stringed instruments are especially requested to contact the Musical Clubs office on the third floor of Walker Memorial or d'Almeida in the dormitories.

The first rehearsal will be held on January 7, at 7:30 P.M. in Walker Memorial. Among the numbers that will be rehearsed are a Beethoven symphony, and a Wagner overture.

## Van de Graaff Presents Paper On 2,500,000 Volt X-rays

Professor Robert J. Van de Graaff, heading a group from the Institute, presented a paper titled "An Investigation of Radiography in the Range from 500,000 to 2,500,000 Volts" before a recent meeting of the American Physical Society, commemorating the fiftieth anniversary of the discovery of X-rays.

Beginning in 1937, the High Voltage Laboratory at the Institute had produced and investigated x-rays of over 2,000,000 volts for nuclear research. Thus this project could be quickly undertaken for exploring radiographic possibilities of these penetrating x-rays, and for developing techniques by which they could be applied to the war effort. The expected advantages of the higher voltage were soon confirmed and in addition surprising new advantages were discovered. These results led the National Defense Research Committee to make a contract with the Institute for the development and production of five compact 2,000,000 volt x-ray generators. The contract was provided for other work, necessarily associated, including the development of practical new radiographic techniques, and the servicing of the equipment.

### Examine Explosive Weapons

The urgent importance to the war of this radiographic project lay in the fact that it became possible for the first time for the Navy to examine the interior of large numbers of the various types of its heavy explosive weapons, including shells, bombs, and rockets. This non-destructive method of examina-

## Dr. E. L. Bowles Receives DSM For Work On Radar In Top Advisory Position

E. E. Professor Absent Since 1940; Consultant To Secretary Of War

Professor Edward L. Bowles, who has been on leave-of-absence from the department of Electrical Engineering since 1940 to assist the government in its war activities, has been awarded the Distinguished Service medal for exceptionally meritorious service.

In April, 1942, Professor Bowles was appointed expert consultant to the Secretary of War to advise on radar policy and was asked to concern himself with all aspects of radar, including research, development, procurement, training, and planning and operations.

The citation for the award of the Distinguished Service medal to Dr. Bowles said:

"During this time, as Consultant to the Commanding General, Army Air Forces, Dr. Bowles was responsible for over-all supervision in connection with all matters of communication, radar, countermeasures, radar aids to fire-control and bombing, radio and radar aids to navigation, and related electronic fields. Early recognizing that only by the exploitation of communications scientific resources would the Army Air Forces gain its required mobility, safety, and dispatch, and that only by the combined efforts of science, industry and military could radar be developed to its full potential in the finding of targets and their destruction, Dr. Bowles conceived and organized an advisory group composed of select electronics specialists to advise on these highly technical problems. He also secured the aid of leaders in scientific and industrial laboratories throughout the country and made their invaluable assistance available in the solution of special problems confronting the Army Air Forces. He was successful in placing scientific personnel on the staffs of all major AAF commands to assist in the introduction and development of radar to its full application in the uses of modern air warfare. By his clarity of vision, by his ability to interpret scientific principle into its practical application in military tactics, by his effective organizational talent, Dr. Bowles has made a material contribution to the combination of science and skill resulting in the world's greatest Air Force and the destruction of the enemies of democracy."

Member of Academy of Sciences

In January, 1945, on nomination of the Secretary of War, Dr. Bowles was appointed an Army member of the National Academy of Sciences and National Research Council Board for National Security.

Dr. Bowles came to his post in the War Department from the Massachusetts Institute of Technology where he was head of Electrical Communications. His long time interest in radio aids to navigation and fog problems led naturally to the development under his promotion and direction of an outstanding center in micro-wave techniques. It was largely because of this background and resources at M.I.T., that the Radiation Laboratory was established there by the Office of Scientific Research and Development.

## Dorms Serenaded By Group Of Girls On Tuesday Night

The dormitories, traditionally the center of undergraduate hell-raising, were somewhat subdued last Tuesday night by a group of girls the oldest of whom couldn't have been seventeen.

The brownbaggers were suddenly startled to hear this group sweetly caroling the old favorites in the true Christmas spirit. They managed to tear themselves away from their respective windows to see what it was all about. If there is anything that will get dorm men away from their work it is a woman (even if they are only seventeen).

There at the end of the courtyard between the two units, tightly huddled together, eight or ten girls stood serenading the puzzled dorm men. The more inquisitive men broke out their cached five hundred-watt light bulbs and directed them on the group in order to see if they recognized any faces. They politely (unusual for the dormitories) applauded after each number, but some men apparently not too pleased with having their study hour interrupted yelled for the maidens to leave and let them study. (For shame!)

When the group finally disbanded and left for parts unknown, the boys realized too late that no one had inquired as to the residence of the carolers so that the Dormitory Committee could send them a note of thanks. They dashed down the stairs but as they reached the ground floor they saw the girls disappearing into the night. So with memories of women's voices in their ears they returned eagerly to their books.

tion made it possible to improve steadily the construction and performance of the weapons as they were produced. This newly introduced range of radiography was also extensively applied to the examination of many explosive weapons captured from the enemy.

The high penetrating power of 2,000,000 volt x-radiation makes possible the investigation of metal sections up to at least 14 inches of steel with reasonable exposure times. This exploration of such heavy objects had never been carried out before with either x-rays or radium because of the prohibitively long exposure times involved. In the range of medium thicknesses, where radium and industrial x-ray machines were used, the use of 2,000,000 volt radiation reduced the exposure time required to penetrate the object by a considerable factor.

### Focused By Magnetic Lens

Inasmuch as the electrons accelerated down the vacuum tube of an electrostatic generator are homogeneous in energy, they may be focused by a simple magnetic lens to a point on the x-ray target. When the electron beam is concentrated on a spot 0.01 inch in diameter, the x-rays emanating from this tiny source cast extremely sharp shadows of the object onto the film. The ability to take advantage of the gain in intensity when working close to the target often allows a reduction of the exposure time by a considerable amount.

# The Tech

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## VOLUME LXV MAKES HER CURTAIN CALL

As is **The Tech's** custom in the last issue, the volume passes in review, recalling all the big little things that have happened during the year—and what a year it has been. We started off with a full Managing Board of Gruber, Bedford, Coe, and Schiff, to handle all the work and keep things running smoothly. Well, we got along fairly well for a while, considering the general condition of things. The Institute and the country were still at war when Old Father 1944 slipped into his tri-cornered slacks and became Youngster 1945. Maybe it was this thought that made Professor Magoun start his Marriage Lectures again. His points were duly noted by the **The Tech** circulation staff when it began filling the halls with "Do you want to be successfully married?"

Dramashop got to work on their new play "The Drunkard," the I.F.C. started selling tickets and Dr. Compton made a talk to the A.I.Ch.E. at the beginning of January. Across Massachusetts Avenue a drive to revive hockey after a two-year lapse was abandoned when it became evident that the time was not yet ripe.

Ruby Newman played for our I.F.C. January 26 at a little dance in the Georgian Room of the Statler. It was then that we first saw Carroll Boyce again for the first time in over a year. The General Manager remembers that the first time he met Boyce was when he was rudely awakened from his beauty sleep in order to be sold a ticket. Needless to say, no ticket was sold—and Boyce was even then a Course XV man. About that same time the Navy poked its nose into the limelight for a while by announcing the promotion of Commander Blair to Captain just before Captain Joyce was relieved as Senior Naval Officer at the Institute. Also the V-12 made plans for its Mariners' Mardi Gras. They had their own orchestra of Navy men, for in those days the unit was close to a thousand men strong. Things aren't what they used to be at the Grad House.

### Teams Beat Rensselear, W.P.I., Brown

Tech's swimming team did well by beating Rensselear, 43-42. The squash team smashed Yale 5-0, and the ski team strode (or should we say skied) off with third place in the Winter Carnival at Middlebury. And the next week the dog-paddlers set W.P.I. back on their waterwings by a score of 58-16. Track and squash were really going full blast, when the men out for the former narrowly outpointed Brown 42-41 and the squash team did the same for Exeter, 3-2. But it was the basketball quintet that hit the front page with a 65-48 win over Bates. In the same week, which was the first in February, Professor Magoun concluded his winter series of lectures, and Ed Hill began taking orders for Senior rings. It was a somewhat inflating procedure. Dingee began his review sessions for finals and the guys who had been shelling out a buck each Thursday night now let go ten at one wallop. And other guys thought they would go, not because they were scared, mind you, but because they wondered if you really could get any benefit from Dingee's lectures.

As exams drew close, Theta Chi's little incident was forgotten and she was admitted back on the campus, not that she was ever effectively banished. The relay team won the All New England Relay in Madison Square Garden to round off the term with a display of artful footwork.

### Exams And Silence

And then came the exams. Silence covered the Institute like a blanket, except in the Graduate House. There, the fellows defied their profs to flunk them out and made more noise than ever. As a consequence the trains to Great Lakes were crowded a few weeks later—or were those Harvard V-12ers?

Frat men began leading up their pipes and the Chi Phi and ATO's started practising to see how fast they could shuttle men to their respective houses from Back Bay and South Station. With less than a hundred men, it was going to be murder. Everyone practised smiling, but that was hard to do. The frosh finally arrived after the upperclassmen had had three whole days vacation and the massacre began. Well, some people lived through it, even a few of the luckier freshmen. And so we all

plunged into a new term, even though it was the same old grind. The freshmen soon ran across their first Friday morning quiz and found it a breeze. "This place is a snap," they thought collectively, "Why am I wasting my time working?" Then they took the second one. Somehow a few survived and are even around to this day.

### Junior Prom Date Set

To return to the first of the term when our little freshmen were still dumb enough to wear their ties, we noted that the date for the Junior Prom was already set. The Institute Committee passed on a hatful of approvals, such as Tom Hewson as head of the A.A., Dan Carmody as its Member-At-Large, and Semple as Chairman of the Budget Committee, replacing Don Buell. Jim Craig was made Secretary of the Inst. Comm.

Dean Harrison gave **The Tech's** first issue of the term a little color in an article calling the modern car a "Complex Monument to Scientific Frustration." "How much simpler it would be to run the whole car with electric power!" declared Dean Harrison. "Then we could throw away the radiator with its thermostats and anti-freeze, the ignition system, the engine, the muffler, the clutch, the transmission, the differential—in fact almost everything except the chassis and wheels." Well, all we can do is remind you that gas rationing was then at its height.

### Relay Team Wins

The sports page of the same issue was emblazoned with the victory the relay team won at both the A.A.U. meet and at the I.C.4A.'s. The team also took first place in the mile relay at the B.A.A. games; Casey broke the 40-yard dash record in his 4.7 seconds in the N.E.A.A.U.

Along about half way through March, Reuben Moulds gathered together a neat little band and opened at a Glee Club concert. The boys really furnished some mellow music and we are glad that the idea of having a band around Tech did not die out again after Moulds left, but continued with the Technicians.

The next week, the headlines announced that Mal Hallett was to play for the Junior Prom. You would think that all Techmen did was go to dances, for right in the next column was the announcement of the 5:15 Club-Dorms Spring Frolic. Reuben Moulds was to supply the music. Along rather different lines, there was a story of Lieutenant-Colonel Jay Zeamer, Congressional Medal of Honor winner, giving a talk on the war in the Pacific. We were proud of the people who had donated their blood through the Technology Blood Donor Service, in-

(Continued on Page 3)

## AU REVOIR

Today, Volume LXV of **The Tech** breathes its last gasp. With the thirty-ninth issue, we lay down our pens for the last time and pass on into oblivion just as each Managing Board before us has done. Just as page after page is torn off the calendar and then discarded and forgotten, so each volume of **The Tech** shows itself to the world for a short while and then falls to the wastebasket to be remembered only occasionally. In that same style, we, the present Managing Board, bid farewell to the Institute because we know that we will soon be forgotten like the rest. For who remembers that Dean Lobdell was our General Manager in 1917 or that Dr. Killian was Editor in 1926. Our names will be distorted into oblivion by the hour-glass of time. So this is our last fling, and that gives us a little chance to take a few freedoms. This past year some of our editorials have been considered quite withering in their blasts, others have been condemned as wishy-washy. We think the record will show that there wasn't one that wasn't criticized one way or another and this one will be too. But now the time has really come when we must wish you, not withstanding what we said last week, a very merry Christmas and the best ever of New Years.

## True The Man's Magazine

Get the big January issue at your favorite newsstand now

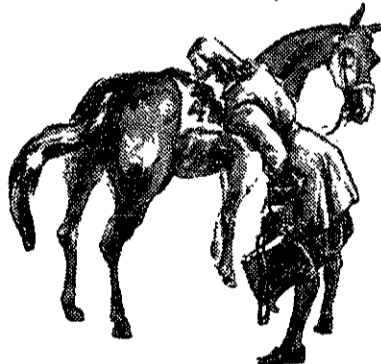
### BLACK SHEEP "PAPPY" BOYINGTON'S OWN AMAZING STORY EXCLUSIVELY IN True

"If I'm missing, don't believe it. I'll turn up to buy the drinks in San Diego." But "Pappy" vanished on his last flight, the day after he had become America's top ace. Twenty months of silence dragged by, and the boys in

"Pappy's" famous Black Sheep Squadron of Marine flyers just about decided that even "Pappy" couldn't make it. But he did, and here's his story—his first magazine piece—written for True and you. It's unique reading—

I'll Buy the Drinks, Boys

by Lt. Col Gregory ("Pappy") Boyington, USMC



### NO NAGS

## HORSE LAUGHS

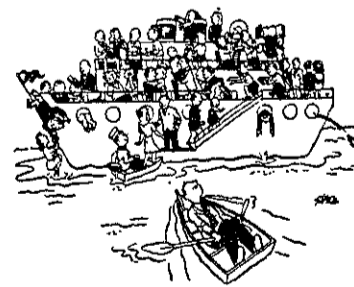
H. Allen Smith is a funny man. He gets paid for it. He writes best-selling humorous books. This is his first magazine article in more than a year. Mr. Smith tells why he has given up playing the geegees—well, almost given up. There's a Chinaman in his story. You'll like and laugh at

### No Horse Can Do That to Me

by H. Allen Smith

## MYSTERY SHIP IN NEW YORK HARBOR!

A floating palace of gin and sin, the big New York newspaper said, and proceeded to give a reporter's eye-witness low down on the high jinks aboard. Eye-witness, your eye! It was a hoax. It's one of the notable newspaper hoaxes bundled together to amuse you in



### News Out of Their Hats

by Nina Varion

### IS THIS PEACE JUST A PAUSE?

Will Oursler, TRUE's Pacific correspondent, says the Japs know they lost. Lost what? They don't think they lost the war! In this amazing Report to the Editor, Will Oursler tells the hard, cold truth that this country had better face now. Be sure you read



### ALSO

A beautiful reproduction of Dean Cornwell's remarkable original oil painting of Ernie Pyle "Peace — Christmas, 1945" painted for True only in True

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### Are the Japs Really Licked?

by Will Oursler True's Pacific Correspondent

21 Features 144 pages of man-size thrills in the big holiday True on newsstands now Get your copy today



**The Year In Review**

(Continued from Page 2)

stituted by the T.C.A. In one year they had donated over three thousand pints.

Over in the Sports department, the squash team was going great guns with a 3-2 win over Yale and a 4-1 defeat of Harvard the week following. The sailing team started their ice-breakers through the Charles to clear room for the team to practise, and hoped to get well under way by the beginning of April. Serrie broke the mile record by a good two seconds and Goldie almost did the same in the thousand-yard run at the annual interclass meet that marked the end of the indoor track season.

The next two weeks brought bad news, first of Prof. R. H. Richards death. Professor Richards was the oldest living Tech graduate. He had been in the first graduating class and had stayed with the Institute ever since, first as a faculty member, and then as Professor Emeritus since 1914. And then on April 12, we suffered the loss of our President, Franklin D. Roosevelt. It didn't seem possible at first. But we were happy it had not happened any earlier when the war hadn't been going so well. Everyone wondered how President Truman would turn out.

**Magoun And Spring**

And on Friday the Thirteenth (of April) The Tech again screamed the news of the first of Professor Magoun's Spring series of lectures. As usual he drew huge crowds—of freshmen and Sophomores. We suppose the Seniors figured they knew all about it, having listened to the lectures the year before and now having a year's practice under their hats.

The Dramashop announced that their Spring term production would be "Biography." The production would be held on May 4 and 5.

Dr. Scattergood, at the Alpha Chi Sigma initiation banquet, suggested some rather sweeping changes in the teaching of Chemistry. He made such practical and obvious observations as the need for teaching different courses to the three different types of students—those who had not had any Chemistry in high school; those who had had Chemistry before, but would not pursue the study any further; and those who were in courses that were based on Chemistry. It was really an excellent set of ideas, but the freshmen are still suffering through 5.02.

**Sailing Team Sweeps Clean**

The sailing team was red hot by now. It walked off with the Oberg trophy April 8, the Sharpe Trophy, May 6 (and we mean walked off with this one; Tech made 62 points and the nearest opponent was Brown with 58). and the Morss Memorial Trophy May 20, and so on. And then we certainly mustn't forget the time they beat Navy on the Middie's water and in their boats. That was the first time we had done it in the history of dinghy racing. The Beaver Key Basketball championship went to the S.A.E., while Sigma Chi and Theta Chi came in second and third respectively.

Then on April 20, along came the Junior Prom with Hal Mallet at the Statler on Friday night and Ken Reeves in Walker on Saturday. This was the "Hangover Party" something new, but it made the Junior Prom fill the whole weekend, just as it did in days of yore when dates filled the classrooms Saturday morning and didn't say good-bye until Sunday evening.

Moving along through April we noted S.A.E. winning the Beaver Key Swimming Meet, Professor Magoun delivering his second lecture, Professor Padelford being sent to San Francisco for the United Nations Conference, and so on. With the news of the war getting better, thoughts turned to peace and to the question of Compulsory Military Training. So the T.C.A. sponsored a discussion of the subject by Dr. Compton and Professor Greene; the latter being definitely against any program of this sort, while Dr. Compton spoke with the opposite implication.

**Victory In Europe**

The next day, May 8, Germany's surrender was ratified. The Institute held a special V-E Day service in the Great Court at which Dr. Compton reminded us that, although Germany was conquered, we still had an enemy to fight and to beat, so our efforts must be redoubled. Somehow it wasn't quite as big an event as we had first thought it would be. Maybe it was because we saw it approaching. Maybe it was because we kept in mind the little runts we had been jabbing at, over on the left. The Institute was lighted up again that night, the first time since December, 1941. It was the first time most of us had seen the old factory in the spotlight. Gee, she looked pretty swell. In the excitement we probably forgot the terrific licking the Tufts runners got at the hands of our team that week when we beat them 103 1/2 to 31 1/2.

**The Charles Regatta Epic**

Then that Saturday was the day of the Harvard-Radcliffe regatta. The V-12 was excused from drill on account of the rain and everyone went tearing up the river to see the race. When the starting gun went off, there were three teams dashing down the river. Radcliffe's crew went straight down the line to the finish. Harvard's crew went about their business of rowing in their usual style, and the third team, representing some girls' school (no doubt), ran interference for Radcliffe, in behind them. Well, the third boat lost the race. So, the girls had to peel off their shirts—that was the bet—and they did. My, my what hairy chests those "girls" had—there was some mention of their coming from Tech. So I guess that explains it.

**Exams Again**

Here again came finals. Everyone rushed for a copy of the

**Runners Hold Annual Party**

**First Intercollegiate Meet To Be January 26**

Get on your mark, Get set, Go. Even Boston weather couldn't stop the track team from holding their annual Christmas party and intramural meet, last Saturday. The first event to greet the brave track fans who turned up on a December afternoon to see a meet, was the 50 yard dash. Fountas, who was given a four foot lead came through in 5.8 sec. Macmullen, starting from scratch, in the 300 yard run passed all those in front of him who had been given a lead and trotted home in 38.4 seconds. Vigiano, who was given eight yards lead as a Christmas present in the 600 yard run, came in first to the tune of 121.4 seconds. The 1,000 yard run, in which every one but Schwartz was given at least a 30 yard lead, ended in Schwartz hopping a bus to come in first in 239.2 seconds.

The Indoor Track Team will have its first inter-collegiate meet in the triangular meet on Briggs Field between Brown, Northeastern and Tech January 26.

Oscar Hedlund has announced that Indoor Track practice will be resumed December 31.

exam schedule, even though they hated to look at it. That was the end of May and there were still a few things to do in the remainder of the term. Elections placed Hansell in the President's chair of the Class of 2-46 and Craig in the Vice-President's. And about the same time **Voodoo's** masthead came out with Uretsky's name under the title of General Manager and Marr's under Business Manager. Scanlan was made General Manager of T.E.N. and Nunes Business Manager. The Tech suffered a few changes too. The term saw the last of Art Schiff and Dean Bedford around the office. Not to be outdone, **Technique** came out with some revisions. Dostal came in as General Manager, Gray as Editor, Belcher, Business Manager, and Adler, Photo Editor.

About then the middle of June, the Seniors-to-be got their long-coveted rings, and, as George Oliver said, were now ready to flunk out. Incidentally, George, how is boot camp? Then exams came and went, and the term was over—just another term to the Institute and the profs, but most of the students have special things they remember about the term. For instance, most of the Navy men will remember the Spring term of 1945 for the hash they had one morning for breakfast—it really showed up some trackmen.

**The Summer Term Begins**

So a new term came onto the viewplate. That meant more rushing for the frat men. It was a pretty big class that entered and the guys felt a lot better about that. The past year had thinned down the population of most houses to a mere skeleton crew. And, of course, everyone had to look the new coeds over. Even though the Seniors were calloused to looking the coeds over each year and seeing the same old type, they looked this bunch over, and looked and looked again. My, my, things were certainly perking up!

In Sports, the Beaver Key trophy went to the Phi Gams as a result of their amassing 114 points. The S.A.E.'s trailed them by nineteen points, and Phi Kappa Sigma came in third. Field Day was coming along before too long, so the Field Day Committee took things in hand and decided that the Class of 10-46 should be allowed to unite with the Sophomores against the overwhelming numbers of freshmen. And, by July 26, rallies were being held.

Taking over after Reuben Moulds' orchestra was dissolved, the Techtonians got together and began practising. The Concert Orchestra was meant to have been formed at that time too, but its life was short, to say the least.

Then suddenly it was August 6, and word came through that an atomic bomb had been dropped on Hiroshima. Everyone turned scientist and learned about atoms and fission and nuclei overnight. Of course, our profs came out and told us that they had known about the thing all along. They had figured out how one of those gizmos would work long ago. Why, they'd written books on the subject, and blah, blah, blah. You couldn't tell them anything about it.

It took some time for the excitement to settle down, but it finally did and people went about their work turning in homework and taking quizzes just as before. The atomic bomb was something, but what was more important was passing 10.18.

(Continued on Page 4)

**Outing Club Plans Several Ski Trips**

**Exhibit Of Equipment In Bldg. 10 Next Year**

Outing Club ski-enthusiasts who are planning to spend at least part of their vacation doing a balancing act on a pair of waxed hickories are apparently in the good graces of Lady Luck. She has not only presented them with an abundance of snow but has also provided them with accommodations at the Glen House in Pinkham Notch, at the foot of Mt. Washington. Reservations have been arranged by the O.C. for a limited number of members, who may ski Mt. Washington to their hearts content from December 22 to the 28. Those members of the club who have not as yet signed up for this trip may do so by calling the O. C. office in the basement of Walker.

For those energetic enough a two-day trip has been scheduled for the week-end after classes commence in January. This trip will be to the North Plymouth Youth Hostel on January 5 and 6. The party on this trip will consist of about fifteen Tech men and about the same number of the fairer sex, probably from Simmons and Wheaton. Cost of the trip will not amount to more than \$8.00 and those members interested are urged to watch for the sign-up list which will be posted in the Lobby of Building 10.

**Tech Swimmers Down Wesleyan By 48-25 Score**

**Mermen's First Win Against Wesleyan In Last Twelve Years**

The Tech swimming team slaughtered Wesleyan by a score of 48-25 last Saturday, leaving the Wesleyan pool victoriously for the first time in the past twelve years.

The meet marked the end of a long series of Wesleyan victories and showed that Tech could more than hold its own against its favored rival. The two teams have been having dual meets ever since 1916, missing only one or two years.

Tech started off the meet the same way as they did against Brown, taking the 300 yard medley relay. Jarrold, Buckman, and Marshall swam in the medley and clocked a 3:34.1, reaching the concrete a few seconds before Wesleyan. The Tech swimmers continued through the meet in a better fashion than they did with Brown, however, with Henning, Colton, Keliom and Trutman coming through in the 400 yard freestyle relay, Trutman taking a first in the 100 yard freestyle, and Jarrold also capturing a first in the 150 yard back-stroke. Wesleyan sneaked through a first in the 200 yard, 50 yard, and 440 yard freestyle, and also tallied first in the diving competition.

**Tech Gets Seconds and Thirds**

Firsts alone can never win a swimming meet and Tech swimmers proved this to be true by claiming many seconds and thirds, which added up to give them a overwhelming lead.

**The results:**

- 300-Yard Medley Relay—Won by Tech (Jarrold, Buckman, Marshall). Time—3:34.1.
- 200-Yard Freestyle—Won by Stone, Wesleyan; second, Foust, Tech; third, Wykoff, Wesleyan. Time—2:33.2.
- 50-Yard Freestyle—Won by Forbes, Wesleyan; second, Henning, Tech; third, Chabot, Tech. Time—23.7.
- Dive—Won by Shevlin, Wesleyan; second Ray, Tech; third, Schumacher, Tech.
- 100-Yard Freestyle—Won by Trutman, Tech; second, Stone, Wesleyan; third, Marshall, Tech. Time—53.1.
- 150-Yard Backstroke—Won by Jarrold, Tech; second, Monahan, Wesleyan; third, Pitler, Tech. Time—1:55.4.
- 200-Yard Breast-stroke—Won by Buckman, Tech; second, Sands, Tech; third, Knappe, Wesleyan. Time—2:48.4.
- 440-Yard Freestyle—Won by Titus, Wesleyan; second, Cummings, Tech; third, Mitchell, Tech. Time—5:38.6.
- 400-Yard Freestyle Relay—Won by Tech (Henning, Colton, Kellom, Trutman). Time—4:03.5.

The next swimming meet in which Tech will enter will be at the Alumni Pool against U. S. Coast Guard Academy. The meet will be held on January 11.

**West Point Squash Team Upsets Tech**

The M.I.T. squash team dropped a close match to the Army at New York City last week-end, 3-2. The Tech racqueteers gave an excellent account of themselves, however, with the deciding contest going to the full five-game limit.

Captain Roger Sonnabend, playing in the number two spot, was easily the outstanding member of the Beaver quintet. Without ever allowing his opponent to get started, he ran off three straight games to give Tech an early lead. In the number five slot, Pete Wright rallied to overcome a 2-1 deficit and gave M.I.T. its second win as he scored his first intercollegiate triumph. Army's Ball and Worzen-craft proved too much for Pierce and Toperzer respectively, and each was forced to absorb a 3-1 defeat.

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# The Year In Review

(Continued from Page 3)

Ten days later Russia declared war on Japan, and we all thought it was about time. Nothing like waiting until your opponent is groggy and then slapping his face and quickly stepping out of the way.

On August 14 the end came. About seven in the evening the loudspeakers all over downtown Boston began announcing the news of Japan's surrender. People dashed out into the streets. The V-12ers left the ship in more of a hurry than if it had been sinking. The whole world went wild that night, and even Tech suspended classes for a couple of days. However, the V-12ers had to be in by 10:00 as usual. But you should have seen them go in the front door at ten in a solid stream and then come out of the side door five minutes later in just as solid a stream.

## Field Day

The Tech came out in red for the Field Day issue. Oscar predicted a Soph victory and a score of 15-7. That was pretty good, except that the Sophomores also took the glove fight, which he hadn't counted on. The softball game brought a bigger crowd than usual this year, and a few minor skirmishes on the sidelines helped to enliven the occasion. The weather threatened rain, and there was a light drizzle a lot of the time, but the crowd out for the glove fight was tremendous. The Marshals were a little worried at first when it didn't seem as though the teams were going to tangle—each one wanted to stay at its own end—but it was a good fight—at least the girls enjoyed it.

That night the Tectonians played and Geraldine Sapolsky sang at the Field Day Dance.

Talking about dances, a ruling came right after the Field Day Dance that no corsages would be allowed at the I.F.C. Feelings were certainly mixed there. Boyce was swearing up and down that he would resign as chairman of the dance committee if they refused to let someone in because they were wearing a corsage, even though it was his committee that had passed the ruling. Maybe it was in retaliation for his getting Enoch Light to play for the dance. Anyway, there does not seem to have been much cooperation somewhere.

## The Navy Reacts to V-J Day

Things were buzzing over in the Grad House. Pretty soon the word got out that the fellows were going to be put on inactive duty as soon as they completed their course. It was also stated that the men would be able to wear civilian clothes on leave or liberty, but that latter edict was short-lived. It was countermanded the next day when Admiral King realized how scarce civilian clothes were, and what a hardship it would be to the stores who were having their hands full keeping John Q. Civilian in handkerchiefs.

In the middle of September an Institute Housing project for veterans was announced. Quite separately, the vets decided to set up to form a Veteran's Organization, and, a month later, they were given Class A recognition by the Institute Committee.

The sailors were still doing their best—and that was quite something. They crushed Tufts, Holy Cross, and the New York Merchant Marine Academy in a quadrangular meet, and then they took the Intercollegiate Yacht Racing Association third annual Star Class championship. And next they won the Wood meet. Then at the beginning of October they took the Brown meet.

## Tech Reacts to V-J Day

With the war over, the powers that be decided that this year around business was too much, and, starting the following October, Tech must go back on a normal schedule. To do this, the winter term would be reduced to fourteen weeks, and the spring term would be only fourteen weeks without any finals. That would leave time for a summer session for those men who were out of phase and they could start their year with the rest of the Institute in October.

September 28 was the date of the I.F.C. and Carrol Boyce didn't resign. The "Hangover Party" idea was taken over by Theta Chi, the S.A.E.'s gave their "Sailor Dance," and the A.T.O.'s staged a "Fall Brawl."

## Here We Are Again

Once again ye olde Exam schedule reared its ugly head. Boy time really flies by.

Roger Bart managed to sneak in some elections among the Classes of 2-47 and 10-47 just before the end of the term, but he was thoroughly disgusted with the way things were handled. The nomination blanks were all messed up. A couple of times the same man signed the same blank twice. And other tactics lost six men their vote, not to mention giving Bart gray hair.

## The Light Shines On The Tech

Starting with the September 28th issue, The Tech began recovering from its war ills. First we went to a six page issue. Then that wasn't enough so we challenged VooDoo to a softdrawl game, which we now admit that we lost by a small margin. (We figure no one will have read down this far anyhow, and our defeat will remain in the dark.)

That ended our activities for the term, but the first week of next term we came out with a super-colossal twelve page issue all about the "Victory in Science" exhibit. That was quite some show. They say that 80,000 people came to see it, even though

the weather was rather inclement. It was very interesting—especially watching the A.I.E.E. men try to follow a plane with their radar machine. And that flame-throwing tank was worth seeing. There would have been no end of cries going up if they had burned all that gasoline all over the place during the time of gas rationing. But that was well in the past now, and people just stood and gaped at twenty-five gallons going up in a twinkling of an eye.

The next week, The Tech went back to its large-size issue. On the front page was the story of the first coed sponsored hop, the Fall Frolic. The Tectonians played and everything was swell. The issue also brought back a column headed "Lounger." This column disappeared when we went to the small-sized paper after being run off and on practically ever since the paper was started. We saw the head in an 1890 issue.

## Dances, Dances, Dances

The International Club and the East and West Association had their Cosmopolitan Festival on December 1 with the music of Ken Reeves' orchestra. The T.C.A. announced plans for their fourth annual Tech-Wheaton acquaintance dance for the same day, and the Dorm Committee came out with plans for a Christmas dance on December 14. Then we mustn't forget that the Catholic Club held an acquaintance dance December 7.

The J. P. Committee got rolling early and announced their band leader as Jimmy Lunceford, so we'll be seeing him January 18.

Did someone say that Techmen kept their noses in their books?

The soccer team had been active all along with some wins and some losses, but they wound up their season tying Harvard November 24. The Outing Club lined up its ski team and got up a schedule. And swimming and basketball opened their seasons.

And finally the V-12ers had their dance of the term. This might be their last the way things stand now with the unit disappearing in February. If the thirty men that have one term left to go are still here next term, they will hardly be noticed after the thousand we started 1945 off with.

But then the year has brought quite a few changes. The war's ending has made a lot of difference, but we believe we can look forward to more improvements in the future that will still be the result of the ending of the war.

And that, my friends, brings us around to where we started. Here it is Christmas time again and another year is past. With the next issue a new Managing Board will take over and we're sure they will bring you the news around the Institute better than we have done or tried to do. The past year has been an important one, but we must keep looking to the future.

## 7 Sophs, Freshmen Pledged To Agenda; Initiation Held Wed.

### New Members Sing Carols Midst Plaudits Of South Sta. Crowd

Two Sophomores and five freshmen became members of Agenda, the dormitory honorary society, after an initiation which took the form of a treasure hunt in Boston and Cambridge.

The initiates are: J. David Cist and Frank W. Heilenday, Jr., both of 10-47, and Eugene B. Skolnikoff, Robert C. DoBois, Andrew R. Pfeifferberger, Robert Crane and Joseph Yamron, of 2-48.

The pledges were required to procure several items, among them a green lantern, a three-foot bamboo stick, and "an item measuring .745 inches" (a penny) before going on the treasure hunt. While on the treasure hunt they carried balloons four feet in diameter and ignored old Agenda members completely. They were directed from place to place by notes at each stop.

The highlight of the initiation was singing Christmas carols at South Station while scores of persons stood around throwing pennies and asking for more. That was ended when an announcement came over the public address system telling them to pick up their next set of directions at a ticket window. The initiation terminated with a snack a Howard Johnson's.

After the holidays, Agenda plans to visit all freshmen to find out their interests and to induce them to go out for extra-curricular activities. Dorm freshmen have already been visited and ordered to put green cards on their doors.

## ANNOUNCEMENT

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