

The Tech News

VOLUME XLV

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NUMBER 16

Project is Underway in E. E. Department

Ear Protector Developed for Armed Forces Prof. Wadsworth Now Perfecting Muff Type Device

Prof. William D. Wadsworth of the Electrical Engineering Dept. has, after extensive research and experimentation, developed a type of ear protector hitherto unequalled in effectiveness. Preliminary tests conducted by the Armed Forces show the protector, earmuff-like in appearance, to be the best blockade against harmful sound yet devised. The project was instigated by the David M. Clark Co. of Worcester in the spring of 1953. The Company, which worked on the G-Suit and other aviation projects during the last war, became interested in this seemingly unsolvable problem of complete ear protection around jet engines and other sources of tremendous amplitudes, and engaged Prof. Wadsworth as consultant for the subsequent investigation.

The problem seemed to center around the fact that the formerly used ear-plug type, while cutting out quite effectively the high frequencies, was very inadequate with regard to low range. A person, without ear protection, cannot remain around jet engines which emulate all sound frequencies from the loudest roars to the highest shriek, for any appreciable time without serious impairment to the ear drums. An analogy to this effect on the ear drums is the strain put on one's eyes by staring directly into the glaring sun. Prof. Wadsworth, with the aid of several graduate students, conducted an extensive investigation in a sound-proof room here at the Institute on the theory that the shape of the muff had a great deal to do with the elimination of sound. As a result of this experimentation, it was found that elliptical-shaped ear pieces were the most effective in cutting out vibration. Their construction, essentially, consists of reinforced fiber-glass outer surface with a plastic foam ring sealing the muff over the ear. The inside is of a plastic sponge material with a chamois backing.

In spite of the success in the earmuff development, the problems remaining are still many. For instance, even though this new protector effectively absorbs most of the vibration, the elimination of sound penetration in the bone structure still presents a disturbing complication. One possible solution would be the covering of the entire head with an anti-sound device. Another might be developed in some type of headgear which would transmit equal and opposite frequencies to those present, thus cancelling out the harmful effects of bone conduction.

Because of the encompassing aspect of this project, plans for expansion are being formulated. At least two or three graduate students will be engaged in experimental work associated with this project during the summer and there is a good chance that several more may be added to the group. Says Prof. Wadsworth, "The experiments have already developed into many important branches and appear destined to continue for several years. The project incorporates aspects of pure research, development, See PROJECT—Page 4

COLONEL BIDS TECH FAREWELL

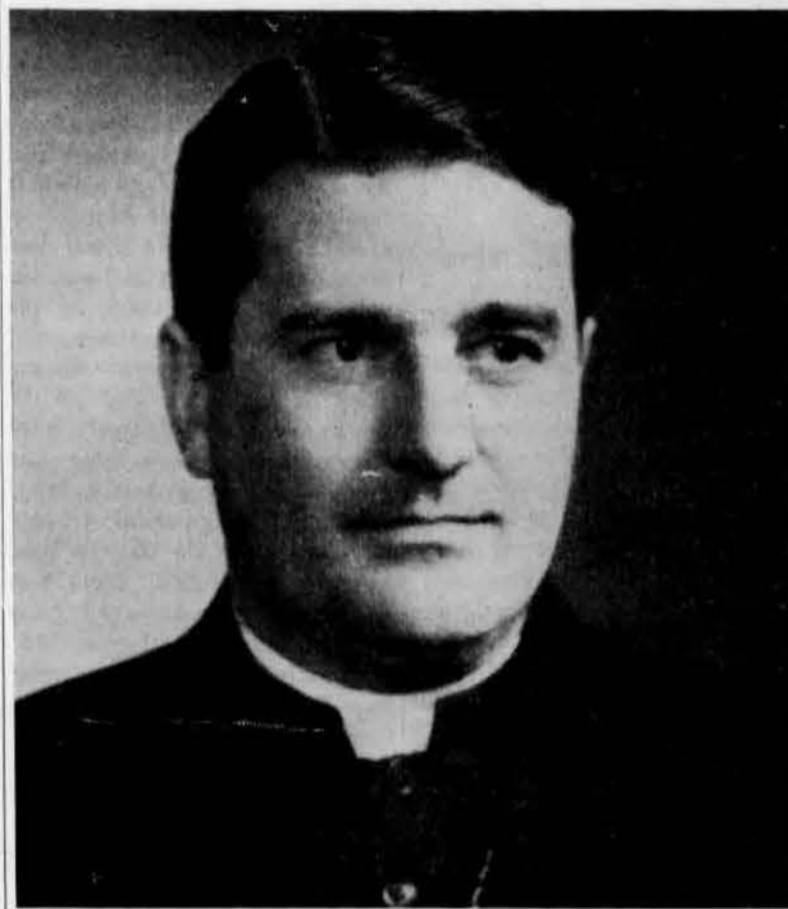
Four years ago I arrived on campus almost concurrently with the freshman class. It is difficult to determine which of us was greener at the time. Now, that the freshman class is about to graduate as mature men and as future leaders of our country, I, too, am leaving to embark upon another phase of my military career.

Space will not permit me to recall the many events in either your experiences here or mine, although they stand out vividly in my mind. The friendliness, cooperativeness, and the high degree of mental alertness of both the staff and faculty and of the students did much to make this one of the most memorable experiences for both myself and my family.

As we now prepare to leave the Institute, in the event we do not realize it, we will find that WPI has left its mark on each of us—an indelible mark that shall never be erased. For those of you who follow us, remember the task for which you are preparing yourself has its goal, the attainment of a degree, and for some of you a reserve commission in the Army, at the end of four years. The task for which you are preparing yourself—life itself—has no such immediate goal. It is yours for what you make of it.

To each of you, staff and faculty and

Bishop John J. Wright Addresses Student Body



MOST REVEREND JOHN J. WRIGHT, D.D.

students alike, I wish to express my thanks and appreciation for making my task an easy one. If you have learned half as much in your four years as I have, yours has been a rich experience.

On behalf of Mrs. Harris and the children, I extend my thanks to you.

Good luck,

Charles E. Harris, Lt. Col. SigC

Annual W. L. Peel Award Sought by Juniors Diamond and Farrar

The food supply of mankind may some day be processed from the microscopic animal and plant life of the ocean. At least, this is a prediction that has been made by many scientists over the years, and a process which Bob Diamond is presenting in the annual WPI Peel Prize competition may remove the biggest practical obstacle that has stood in the way of actual realization of this possibility.

Bob Farrar, also an entrant in the competition, is proposing a simple jig to be used in eliminating a bottleneck operation in the production of small, high-speed electric motors. The fact that the use of the jig may triple the rate of production, improve the quality of the product, reduce costs, and step up profits is definitely NOT incidental. While the competition rules require that a device or process be technically workable, the big emphasis lies in the engineer's skill in making his idea pay off in profits.

Dimension specifications for windings in such motors have been so difficult to maintain that the big firms had to give up producing them. Large scale output resulted in a hopelessly large percentage of rejections, and production was shifted to small, independent shops. Even in the small shops, rejections still ran 10% of output—and all because of one small operation. Farrar's jig reduces

the troublesome operation from twenty-five minutes to less than five minutes, with 100 per cent of output passing the quality control test.

Bob Diamond's process for tapping the ocean's almost limitless food supply is based on a technique already used in a number of industrial applications, and was developed in collaboration with his brother, Ed Diamond (WPI '43).

Science has long pointed to the ocean's teeming microscopic life, called plankton, as the answer to the world's food problem. The only difficulty—and it is a crucial one—is the question of how one goes about "catching" microscopic "fish." The most plentiful variety of these tiny organisms are the diatoms, but they are only two to four microns in size, and are unfilterable by any known commercial process. Smaller mesh screening is being experimented with in some quarters.

The Diamond brothers have approached the problem from another angle. They say: "Instead of trying to make the mesh of the filtering screen smaller, let's make the diatoms bigger," and have proceeded to this by the use of supersonic vibrations. They propose to pump sea water through a cylindrical crystal vibrating at the precise frequency necessary to "agglomerate" the tiny organisms into particles of about forty microns—a size easily filterable

Pi Delt Moves To Grant Money

At the last meeting of Pi Delta Epsilon, held at the home of Prof. Fredrick Sanger, two items of major importance were acted upon. They were the election of officers and the deciding upon some beneficial use for the profits from this year's songfest.

Because of the sizable profits realized from the songfest, Pi Delta found itself in a position to allocate some money for the purpose of furthering the field of journalism here at Tech. It was decided therefore that a sum of \$50 would be donated to the *TECH NEWS* and an equal sum to the *Peddler* for the purchase of office equipment to increase the facilities of these two publications. Also voted at this meeting was ten dollars to the *Civil Sidelines*, a young growing newspaper on the campus.

The officers for the 1955-56 school year were Pres. Dick Emery; Vice-Pres. Tom Weber; Sec. Fred Lindsey; Treas. Ed Bouvier; Historian Bob Delehunt; and Songfest Chairman Ted Coghlin.

Also at this meeting faculty adviser Professor Sanger announced that he will be unable to continue in this capacity next year. It was with regret that the members of Pi Delt received this news, for Prof. Sanger has been connected with the organization since his honorary initiation in May 1951.

by ordinary commercial methods. The vibration of the crystal sets the diatoms in motion, and the frequency must be set so that they will agglomerate, or stick together collision on collision, and not "bounce" off of one another.

Deep sea explorers, such as Picard and Bebe, report that plankton is as thick as soup at the lower levels of the ocean, and Diamond outlines a method See PEEL AWARD—Page 4

Professors Scheifley and Rice Honored

At the last general assembly the student body and faculty had the pleasure of listening to an address by the Most Reverend John J. Wright D.D., Bishop of the Roman Catholic Diocese of Worcester. The address concerned his "Reflections On These Modern Times."

Bishop Wright attended Boston College, St. John's Seminary, Brighton, and the North American College in Rome. Following his ordination to the priesthood in Rome, he served in the Archdiocese of Boston as a Professor at the Seminary and then as Secretary to the Archbishop of Boston. He was consecrated Auxiliary Bishop of Boston, June 30, 1947. On March 7, 1950, he was installed as the First Bishop of the duly created Diocese of Worcester.

In the administration of his diocese, the Bishop has developed many small parishes, promoted programs of Catholic lay action, sponsored the Catholic press and radio apostolate and emphasized the Confraternity of Christian Doctrine.

Bishop Wright is the Episcopal Adviser to the Lay Retreat Movement in the United States and to the Mariological Society in America. In addition to preaching retreats, he spends any spare time in writing and lecturing on spiritual subjects, particularly the Communion of Saints and the identity between Christ and the Church. He is the author of a book on Papal Social Teaching and of many magazine articles. The Bishop is a member of the American Academy of Arts and Sciences.

Also at the assembly the editor of the 1954-55 *Peddler*, Dick Lucey, made the dedication of the New Yearbook. Dick announced the recipient to be Claude Knight Scheifley, Professor of History and Modern Languages. Prof. See BISHOP WRIGHT—Page 4

SCHOLARSHIP FUND MADE AVAILABLE

Worcester Polytechnic Institute will offer 8 to 10 new scholarships next year to deserving students, preferably from Worcester County, from funds made available in the will of the late Henry Duckworth, former Norton Company vice president.

A check for \$225,000 from his estate was turned over to the college this week by his widow.

Income, from a fund to be known as the Henry and Josephine C. Duckworth Scholarship Fund, will provide these scholarships.

President Arthur B. Bronwell, in accepting the endowment, said, "It will provide the benefits of college education to deserving young men, many of whom would otherwise be unable to attend college." He hopes to be able to grant from these funds 2 or 3 scholarships for the Fall term.

When Henry Duckworth retired Jan. 1, 1952, he was a Norton Company vice president, had been employed there for 60 years, and was the oldest employee in point of service.

He died April 1, 1954, in Palm Beach, Fla.

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EDITORIAL CONGRATULATIONS

The Editors and Staff of the TECH NEWS would like to take this time to offer their most sincere congratulations to those graduating members of the Class of 1955. To these men who will soon be taking their respective places in industry or in the Armed Forces we would like to say that it has been most gratifying to associate with them in both work and play during their tenure at Tech.

We are sure that all of them will perform, each in his own field, to the best of his ability and that in doing this he will bring credit to both himself and Worcester Tech.

We hope that these men will always remember the friendships and acquaintances that they have made during their brief four years and that they will see fit to return to the campus as often as possible in order that they renew these everlasting relationships.

Again we would like to say congratulations and good luck in whatever endeavor you may take upon yourself.

AUS

GOATSHEAD

Well it has happened again. After having been taken once this year and then returned, it was thought that it would remain in its place undisturbed. But instead some unknown person or persons have carried it off again from its place of rest in the Sanford Riley Commons. The object that is being referred to here is the goatshead.

It would seem that it was returned the first time because the thief (or thieves) saw that no good was coming of their escapade, and that the only commotion that it was causing was the fact that anyone had the audacity to take it after it was put away. Anyone with any common sense could see this and yet it was taken again. This doesn't speak very well for those who took it the second time.

The reason that the goatshead was taken out of circulation was to prevent brawls between the freshman and sophomore classes. It was thought that these brawls were not good for the freshman-sophomore relationships. Yet, twice the head was taken to revive the old rivalry, the second time being more foolish than the first, since the first time proved that such a revival was not possible. Therefore the conclusion is that it was taken the second time just to be funny, or, more childish yet, to prove that they could take it and get away with it.

The head will probably turn up eventually, but the only thing that can be said for those who have it now is for them to grow up and get it back as soon as possible, because they can't show the head.

RWS



Only seventeen weeks and one day until school opens for the next season. An optimist wouldn't even think of such a pessimistic point: he would say that there are only twenty-five weeks until Thanksgiving Vacation. It is too bad we won't have the seniors back with us, but it is time now for everyone to move up a notch on the totem pole. Just think Freshmen—next Fall you can untie bow-ties and shape up the plebes, but this year isn't over yet—or so the calendar says. Rumors based on facts show that all the Greeks are doing dW. Lately, quite a few of them have been doing other things nights rather than studying. The Lake Quinsig outpost of Theta Chi reports that the water is good for more than ducks. Theta Kap has received complaints for tying up the fairways at Juniper Hill. Even the scabs at S.R.H. are seeing more daylight than they saw all last term.

The Fijis forget their pre-finals worries with two traditional parties, the first being the "Pig Dinner"

Among The Greeks

WITH HORATIUS HOBAN

which unites the Fijis, old and new, the last party of the year always being the famous Island Party. Last year the life of the party was Claire, a "moose calling" girl from Maine. Claire will be at the party again this year providing multi-chuckles for all who attend.

The halls of Sigma Phi Epsilon echoed to the strains of "Ach du Lieber Augustine" recently when the Sig Eps held a German Party. The apparel of the guys and dates was strictly Krautish, with alpine hats and liederhaus (translation: shorts mit leather suspenders). Bruce Sealy and Emye Schneider Mc'd the party; he introduced such acts as a German band featuring "Blivet" Wright on the tuba. Dick Butterworth is mourning the loss of his one and only, his beloved necktie. The tie had survived numerous acid burns, but even it could not withstand the attack of arsonists. During the party, Butter's tie was cremated and laid to rest with due ceremony.

Theta Kap recently held a house week-end with a dance at the Sterling Airport Club on Friday night and an Island party put on by the Freshmen at Point Rokon Saturday night. The

party followed a Hawaiian theme with music from the island all night. Last Thursday night, the Kap held its annual Senior Banquet at Towncrest. Bernie Danti won the "Bull-throwing Trophy" for outstanding work in that field. The highlight of the evening was the awarding of the Lambda Trophy to a graduating senior. Dick DeLuca was the winner of the highly treasured award. John Calhoun and Fran Horan kept the brothers in stitches most of the night with their tales and jokes.

Lambda Chi Alpha held their Initiation Banquet May 14 at the Sterling Inn. Robert Cusworth, Executive Secretary of the Green-dale Y.M.C.A., was the guest speaker. After the dinner there was dancing to the music of Russ Cole's Orchestra. On the Sunday of that week-end, the Mothers Club held their annual meeting at the house. Last Friday LCA had a dinner to honor Dr. Morley, who is resigning as head of the Math Dept. Dr. Morley was presented a silver plate from the Fraternity. In the "men overboard department," Lionel Irvine has pinned Joanne Preston, and Dave Hoskinson has pinned Rose Mary Connelley.

A.E.Pi had its last blast over the week-end. With only days and nights available, all they could have were picnics in the afternoons and parties for the nights. Of course it is expected that everyone will start studying for finals on the free day, Monday.

It seems that one of the Ox Clubbers bought a bottle of perfume for a Lady-friend and while he was wrapping it up he spilled most of it on himself and his desk. This added such an atmosphere to the room that everyone sat in the room to absorb some of the thrill usually lacking around Tech. The lady-killer was—of course—you guessed it—Pappy. "Big Ed" Nelson dropped his pin last week-end to Elaine Polhenius. The guys appreciate free cigars every now and then.

See AMONG THE GREEKS—Page 4

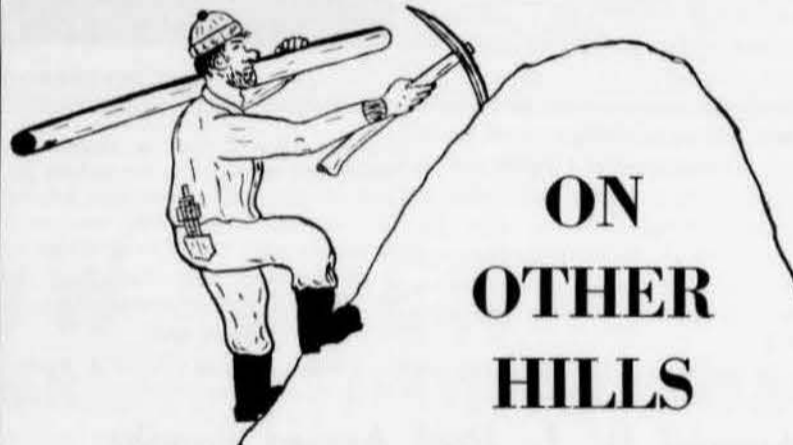
Also quoted was this apt reply. Dear Norman,
Nothing new at home. We know you like school. Write aNOther letter soon. ARnOLD was asking about you. NOw we must say goodbye.

The GoverNOR.

At this time of year there is hardly a student who couldn't think of a couple of dozen of good reasons why we shouldn't take examinations. The Massachusetts Collegian recently contained this list for those who need inspiration:

1. They cause eyestrain.
2. Eyestrain causes headaches.
3. Headaches are a pain in the neck.
4. Exams take up valuable time college boys could spend chasing college girls.
5. They take up valuable time college girls could spend getting caught by college boys.
6. They take up valuable time.
7. If you do well in them you must

See ON OTHER HILLS—Page 4



By Richard Barlow

The editors of the University of Miami student paper, "the Miami Hurricane," have voiced disapproval of a proposed new bathing beach at that school. Said the editors, "It's hard enough now to present the real University of Miami—the study and the research, the cultural and the educational growth going on daily. It's hard enough to convince people that there may be playboys within the school, but that it is not a playboy school."

Along with the editorial was a cartoon showing a student bather shaking his fist at black clouds hovering over a beach. The caption: "Why isn't the sun out? I paid my tuition!"

From the "Susquehanna" comes this next bit of optimism. "Don't lose faith in humanity. There are 155,697,300 people in the United States who have never played a nasty trick on you."

You don't say no to Uncle Sam, so the military department at Louisiana State was rather disturbed when a prospective freshman declined its offer of compulsory training. In reply to an information form which explained that two years of military training is required of all physically fit male students between the ages of 18 and 23, one freshman wrote: "Thank you for your

generous offer to let me join the R.O.T.C. at L.S.U. I assure you that I deem it the greatest honor ever to come to me. After giving the matter deep consideration, I have decided to refuse your offer." The reason for the refusal was "it would give me an unfair advantage over the other girls on campus." The red faced military department plans no action in the case because the "he" turned out to be a "she."

The "Massachusetts Collegian" states its definition of news as "an accurate, unbiased account of the significant facts of a timely happening that is of interest to the readers of the newspaper that prints the account."

M.I.T. recently announced the installation of overnight accommodations for commuters. The cost per night for a single room is \$2, while a three-man room can be obtained for \$1 per man per night.

From the "Tufts Weekly" comes this supposedly typical letter from a college man to his father.
Dear Dad,
Gue\$\$ what I need mo\$t of all. That\$ right. You gue\$\$ed it. \$end \$oon.
Your \$on.



Sig Ep Places Five On All IF Softball Team

by Mr. "Y"

ALL I.F. SOFTBALL TEAM 1955
 Pitchers: Kasper (TKP), Nedvin (AEP)
 Catchers: Bazinet (SPE), Lindstrom (LCA)
 Infield: Freedberg (AEP), Cheney (PSK), Karalekas (SPE), Tyson (LCA), Scancellia (TKP), Sarkisian (SPE)
 Outfield: McNamara (TKP), (Capt.), Schneider (SPE), Korelitz (AEP), Deneen (ATO), Herring (PGD), Griffiths (SPE)

This year's edition of the All I.F. Softball Team is one of the strongest clubs ever to represent this popular Fraternity league. Led by the two Theta Kap standouts, Don McNamara, who has been chosen captain of the 1955 squad, and Jack Kasper, the team is loaded with good hitting and strong defensive talent.

Sig Ep, although not considered a power in this year's loop, placed five men on this year's team. Theta Kap and AEP landed three men, while LCA with two and Phi Sig, ATO, and Phi Gam with one each rounded out the team. SAE and Theta Chi, while field-

ing well balanced teams, lacked an outstanding player of All Star material although Jim Christo of SAE and Ron Fuller and Bernie Ricciardi of Theta Chi received much consideration.

Don McNamara, who finished the season with a batting average well over the .500 mark, is the captain of this year's squad. "Mac" has been a mainstay in the Theta Kap lineup for the past three seasons and his powerful hitting and strong, accurate throwing arm has placed him head and shoulders above the rest of the performers in the league.

Emil Schneider and Bill Griffiths covered a lot of ground in the Sig Ep outfield, while being better than average with the bat. Ray Deneen (ATO) and Fred Herring of Phi Gam, while not attracting too much attention, were very consistent outfielders for their respective teams. Ray is also a mainstay of the Cross Country team, while Fred is the Fiji's best all-round athlete. Joel Korelitz, AEP's holler guy, rounds out the "All" outfield. Although in his first season of I.F. ball, this "rookie" has a fine arm, good speed and is a consistent hitter.

Jack Kasper (TKP), who struck out 16 Sig Ep batters in his first start, is by far the best pitcher in the loop. Jack is also a dependable performer at the plate. Art Nedvin (AEP), a dependable southpaw, rounds out the pitching

See SIG EP—Page 4

MCNULTYMEN VICTORIOUS OVER WESLEYAN, 5-3

Taylor, Leikkanen Combine To Stop Red-Hot Cardinals; Wrap Up Successful 10 and 2 Season

By BOB PURPLE

Last Wednesday afternoon the Worcester Tech baseball team climaxed their greatest season in the history of the Institute by defeating a red-hot Wesleyan nine at the latter's home field in Middletown, Conn. Don Taylor, standout on Tech's undefeated football team last fall, handcuffed the Cardinals, who were being considered for a birth in the NCAA's four-team New England play-offs, on four hits while hurling the Engineers to their tenth triumph in an even dozen encounters.

With two out in the Engineer's half of the second inning, Bob Schultz started things rolling with a walk and promptly stole second. The next sticker, Ed Eidt, was given new life when the left-field guardian miscued on his high fly and Schultz scored giving Tech a never-to-be-relinquished lead. Jim Porter, singling to right, scored Eidt and the Engineers led by a 2 to 0 margin as the inning ended.

The third, fourth, and fifth stanzas were uneventful but in the sixth the Wesleyan club threatened. With one gone, Cassie and Hoffman drew consecutive free passes and for the first time in the ball game Wesleyan had a man past first base. Tech rose to the occasion, however, as Eidt, smartly scooping Goddin's hard grounder to short, started off a nice double play completed by second baseman Marsella and first sacker Strom, thus quenching the Cardinal bid.

Worcester picked up another marker in the top of the seventh as Schultz, singling to left, repeated his second inning performance and again stole second. The Cardinal catcher, apparently proud of his strong throwing arm, threw to the center-fielder on the play with Schultz continuing to third. The center-fielder, not to be outdone, fired the ball wildly to third, and Schultz scored easily to put Tech out in front by a 3 to 0 count.

Skip Porter, patrolling the right-field post for Tech, came up with the defensive gem of the day in the last half of the seventh on a sparkling catch of Hoffman's curving drive down the line. Racing far to his left, Porter snagged the ball in the web of his glove as he slid stomach-first across the foul line. Somehow he managed to hang on to the Spaulding product and thereby ended a possible Cardinal rally and preserved, at least temporarily, Taylor's mastery over the Wesleyan stickers.

In the eighth the McNultymen scored a pair which proved to be the winning ones. Don Grenier, having walked, reached third as Goddin at the hot-corner booted Marsella's roller. Strom's long fly to left brought Grenier in with a run and Kev Joyce's hump-back liner brought Marsella across with the other marker. So ended Tech's scoring for the day and the Wesleyan nine now

found itself laboring under a five-run deficit.

Don Taylor, who pitched a no-hitter last season, appeared well on his way to duplicating his feat as the eighth inning found the home club's hit and run columns noticeably vacant. In this frame, however, the hosts broke through Taylor's magic and, following a walk to Baker, Cassie singled for the first Wesleyan hit of the game. Hinman immediately followed suit with Baker crossing the plate, setting the score now at 5 to 1.

The ninth inning saw the Cardinals starting right where they left off as Price, who had walked, scored on Glass' long triple to right-center. Pat Liekkanen, another ace on the Tech mound staff, came in to replace Taylor, who up to this point had pitched a tremendous ball game. Wesleyan's Lasey greeted the new hurler with a bingle between short and third which brought in Glass for the third Cardinal run. This proved to be the last score of the day as Pat forced the next batter to pop to catcher Alekshun. He then proceeded to retire Cassie via the strikeout route and thereby preserved for Tech a richly deserved 5 to 3 triumph.

TECH	ab	r	h	rbi	po	a	e
Grenier cf	3	1	0	0	0	0	0
Marsella 2b	4	1	0	0	5	1	0
Strom 1b	3	0	0	1	5	1	1
Alekshun c	4	0	1	0	7	0	0
Joyce 3b	4	0	1	1	1	1	1
Schultz lf	2	2	1	0	2	0	0
Eidt ss	4	1	0	1	6	0	0
Porter rf	4	0	1	1	3	0	0
Taylor p	4	0	0	0	2	2	0
Leikkanen p	0	0	0	0	0	0	0
Totals	32	5	4	3	27	11	2

WESLEYAN	ab	r	h	rbi	po	a	e
Cassie cf	4	0	1	0	4	0	0
Hinman lf	3	0	1	1	4	0	0
Hoffman 2b	3	0	0	0	2	0	0
Goddin 3b	4	0	0	0	0	4	1
Denaault ss	3	0	0	0	1	1	0
Wallace 1b	2	0	0	0	0	0	0
Witherall 2b	2	0	0	0	1	0	0
Price rf	2	1	0	0	0	0	1
Glans rf	2	0	1	1	0	0	0
Schmidt	2	0	0	0	6	0	1
Losey c	1	0	1	1	0	0	0
Baker p	3	1	0	0	0	1	0
Weissing p	1	0	0	0	0	0	0
Totals	32	2	4	2	27	6	3

Score by Innings:	1	2	3	4	5	6	7	8	9
Tech	0	2	0	0	0	0	1	2	0-5
Wesleyan	0	0	0	0	0	0	0	1	2-3

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	WON	LOST
P.S.K.	6	1
T.K.P.	5	1
P.G.D.	5	2
S.P.E.	4	3
S.A.E.	4	3
L.N.A.	3	4
A.E.P.	3	4
A.T.O.	1	6
T.X.	0	7

AMONG THE GREEKS—From Page 2
There is no joy in S.A.E.ville. Alpha and Beta have been voted out.

Dogs or floors had to go; dogs will be dogs, you know. Dottie Hosmer is now wearing the fraternity jewelry of Paul Schoonmaker. Recent elections gave Pres. to Jack McHugh, Vice-Pres. to Jim Brown and Treasurer to Paul Schoonmaker.

Tony Scancelli was just voted in as the Pres. of Theta Kappa Phi, Dick Emery is the new Veep, and John Nash is the new Sec. The new slate of officers at AEP, has Cliff Burwick for Pres., Art Nedvin for Vice-Pres., and Steve Gunter for Treasurer.

To all the seniors: here's wishing you good luck, and we hope you can make it back for home-coming next fall.

BISHOP WRIGHT—From Page 1
sor Scheifley stepped to the stage to receive his year book. He expressed his joy over its being dedicated to him and personally thanked the members of the senior class.

Immediately following this Bob Stemple, President of the 1954-55 Tech Council, presented an award to Professor Harris Rice, in recognition of 31 years service as faculty adviser to the Tech Council. Professor Harris was too happy to say anything except give his wholehearted thanks to the student body.

PROJECT—From Page 1
and final manufacturing of a product. The work is very beneficial to the staff, students, and the Institute."

ON OTHER HILLS—From Page 2
get a reputation as an intellectual. This could lead to being asked impertinent questions by certain committees.

8. If you do badly in them you are probably on the staff of the school paper.

9. Ink is expensive.

10. Ink is not good to drink.

11. Ink spots on clothes are unsightly.

12. Empty examination books are embarrassing.

13. Empty heads echo.
14. It's no fun to sit up all night with a book.
15. It's no fun to sit around all day with a book either.
16. Night or day, books just aren't any fun.

PEEL AWARD—From Page 1
of segregating and processing at a cost far below that of the cheapest protein source now available for animal feed.

Every spring, this unique competition at WPI calls forth a display of inventiveness and originality which prove that Tech students embody plenty of the old Yankee ingenuity. The award, made annually by W. L. Peel, of New York, stimulates Tech students to go beyond the technical workability of their ideas, and concentrate on the ultimate dollars and cents goal in this money-mad land of ours.

SIG EP—From Page 3
staff. He has good speed and he showed his worth by holding powerful Phi Sig to only four runs when the two teams met.

Representatives of five different houses fill the infield. Art Freedberg (AEP), a powerful left-handed swinger; Jim Cheney, Phi Sig's dependable infield mainstay; and Tony Scancelli, a consistent hitter and glove man from Theta Kap are the Junior infielders on the squad. Jim Karalekas, who anchors Sig Ep's hot corner; Charlie Tyson, Lambda Chi's strong armed short-stop; and John Sarkisian, a consistent performer in the SPE infield, fill out the remaining berths. Ted Coghlin of Phi Gam also received consideration for his fine record during the season.

Last but not least come the two backstops, Dick Bazinet (SPE) and Dick Lindstrom (LCA). Bazinet hit the long ball on many occasions, while displaying a strong throwing arm. Lindstrom is another one of those players who doesn't attract too much attention. However, Dick is very dependable behind the plate and also hits the long ball when he gets his hands on the bat.

There are only two Seniors on this year's dream squad so it will be very interesting to note how many men repeat on next year's All I.F. Team. Hats off to these men and to all the ball players who made this year's league as interesting and colorful as it was.

WANT TO FAIL? OREGON PAPER LISTS 13 WAYS

Following are 15 easy ways in which to fail a course, as written by Jack Seward for the Oregon State Daily Barometer:

1. Enter the course as late as possible. By changing your mind about the curriculum after school starts, you should be able to avoid classes until the second or third week.
2. Do not bother with a textbook.
3. Put your social life ahead of everything else. If necessary, cultivate a few friendships in the class. Interesting conversation should be able to drown out the noise of the lecture.
4. Observe how seedy most professors look and treat them accordingly.
5. Make yourself comfortable when you study. If possible, draw up an easy chair by a window.
6. Have a few friends handy during the study period so you can chat when the work becomes dull.
7. If you must study, try to lump it all together and get it over with. The most suitable time would be the last week of school.
8. Keep your study table interesting. Place photographs, magazines, goldfish bowls, games and other recreational devices all around you while studying.
9. Use mnemonic devices on everything you learn. Since they are easy to forget, this approach prevents your mind from getting cluttered up with stale facts.
10. Never interrupt your reading by checking on what you have learned. Recitation is not very pleasant anyhow, since it shows up your deficiencies.
11. Avoid bothering with notebooks. If you plan to use one anyhow, so that you can draw pictures of airplanes during the lecture, try to follow the simplest arrangement: keep all the notes for a given day on the same sheet of paper.
12. Remind yourself frequently how dull the course is. Never lose sight of the fact that you really wanted to sign up for something else.
13. Review only the night before examination, and confine this to trying to guess what the teacher will ask.

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'PROGRESS CHECK' SCHEDULE

	Mon. June 6	Tues. June 7	Wed. June 8	Thurs. June 9	Fri. June 10	Sat. June 11
Freshmen	P 2* E Design E Lect. Kinnicutt H 109	Engl. 12 E Design Str 202 H 109	Math. 2 H 109 E Design Str 202 Kinnicutt	Chem. 21 E Design E Lect. Kinnicutt	M 22 H 204, 209 H 212, 215 H 221 K 116, 207	
Sophomore Mechanics	M 40X* H 209	H 2	Math. 4 H 109	M 51 H 209	M 23 H 221	
Sophomore Civils	P 4*	Kinnicutt	E Design Str 202 Kinnicutt	C 11 K 10	C 22 K 10	
Sophomore Chem. Eng.	E Design E Lect. Kinnicutt	E Lect. H 209	E Lect. Str 203	Ch 43 S 311 S 312	Ch 46 S 311 S 312	German Str 202
Sophomore Chemists	Kinnicutt H 109			E 14 H 109	M 52 H 109	
Sophomore Electrics						
Junior Mechanics	M 41 H 204, 212	Econ. 2	M 31 H 209	E 86 H 204	M 52 E Design	M 41L H 209
Junior Civils	C 31 K 202	Kinnicutt	C 52 K 202	M 60A K 202	C 25 K 202	M 52A K 202
Junior Chem. Eng.	Ch 65	E Lect.	Ch 63	Ch 67 Str 202	Ch 66 Str 202	
Junior Chemists	S 311 S 312	K 10 H 209	S 311 S 312	E 36 H 215, 221	M 52 E Design	E 16 E Design
Junior Electrics	M 41A H 212, 215		E 66 H 215, 212			
Senior Mechanics	Econ. 3 K 10	M 82 H 215, 221	M 44; M 90 H 204	E 481A K 116, H 212		
Senior Civils	K 116	C 33 K 207	C 62 K 207	C 35 K 207		
Senior Chem. Eng.	Ch 83	Ch 88 S 205				
Senior Chemists	S 205	P 89 S 210				
Senior E.E. Power	E 381 E Rm A	E 28 H 212	E 481 E Rm A			
Senior E.E. Electron.	E 38 H 221	E 78 H 204	E 781 H 221			

*Students who have not completed Physical Education report in Gymnasium at 2:00 P.M., Monday, June 6.

PRECEDENCE OF EXAMINATIONS, IN CASES OF CONFLICT

- (1) If repeating a subject, take the examination in the repeated subject.
 - (2) In case of other conflicts, take the examination of the class with which you are officially registered.
- In both cases, make arrangements at once with your instructor to take the omitted examination at some special time during examination week.