

Jr. Prom Plans In Progress

The highlight of the school year, the Junior Prom, is rapidly approaching and preparations are keeping pace by being inversely proportional to the time. A good indication of the class of work that this year's committee has been doing to shape up the affair is illustrated in the posters now on display in all the campus buildings. It's a sure bet that you've never seen posters announcing the affair as good as these and the little extra push which Ray Hagglund gave to get this work done is but a sample of the Prom Committee's efforts as a whole.

This year's prom is going to have in it the best of everything. It will be an affair commensurate with all those we have so often heard about at other schools but which seem so remote to Worcester Tech.

The top octet in the east, the Dartmouth Injunaires will be on hand for the half time entertainment. This group of eight men is composed of members of the Dartmouth Glee Club which appeared on Ed Sullivan's "Toast of the Town" a few weeks ago. We all know Ed Sullivan, he's the one who emceed the Pi Delt Song Fest, remember?

And talking about "the best of everything," Les Elgart was recently voted as the nation's top dance band in a poll conducted by "Downbeat" magazine. No kidding, this prom will be great!

This paragraph can be clipped out and mailed to your date just so she won't think you're handing her a line. The dance will be flowerless, kids. This is official scoop!

Tickets are going on sale about the 1st of April so you had better start lining up over the vacation (lining up your money, that is).

SKULL, TAU BETA PI & DELTA EPSILON PLEDGE

A.S.M.E. HOLDS CONTEST

A joint meeting of the Worcester Section of the American Society of Mechanical Engineers and the Worcester Polytechnic Institute Student Branch of A.S.M.E. was held at the Higgins Laboratories of the Institute on March 10. Essays in competition for prizes were presented by Richard V. Basil who spoke on "Pulse Jets"; Robert E. Kleid, "Design of an Electric Rain Gage"; Harold F. Smith, "Salt Bath Brazing of Aluminum"; Robert C. Stempel, "Practical Fuel Injection for Automobiles"; and Carl E. Nord, "Control System for a Turboalternator".

First prize was awarded to Robert C. Stempel who will represent Tech in the regional contest held at the A.S.M.E. conference at Northeastern University this April 22 and 23. Carl E. Nord was awarded second prize.

The member judges of the essay contest were Armand G. Calo, Research Engineer, Raytheon Mfg. Co.; J. Adams Holbrook, Assoc. Purchasing Agent, Morgan Constr. Co.; and Robert S. Hahn, Consulting Engineer, Heald Machine Co. Student judges were John Hanks, Philip Leavitt, and Donald Zwiers.

As the A.S.M.E. is celebrating its seventy-fifth anniversary this year, a medal was offered to the most outstanding student at each member college in commemoration of this event.

6 Juniors Tapped By Skull

Eight black robed figures filed on stage and the solemn tapping ceremony began; ten minutes later fourteen men left the stage in file. During those brief ten minutes six men came to know the pride of Tech's highest honor, and this pride, tinged with humility, engraved their features as they stood before the loud applause of the assembly.

It is with a spirit of pride and a hearty, "Congratulations!" that we list those who were chosen.

Edward Bouvier—Co-captain of the football team, business manager of the Tech News, Peddler, AIEE, IHEE, Masque.

George Strom—Football, baseball, Tech News reporter, vice president of ASME.

Arnold Hall—Past president of the Nautical Club, tennis, president of ATO.

Henry Nowick—Class president (three years), Tau Beta Pi, president of TKP, football, basketball, baseball, Tech Senate, AICHE.

Ted Coghlin—Managing editor of the Peddler, ASME, SCA secretary, advertising manager of the Masque, football manager.

Harry Tenny—Football, track, lacrosse, ASME.

A touch of humor was added to the solemn hush of the ritual by Tech News photographers in pursuit of an action shot. The climax of each tapping is but a fleeting moment (as they will testify) and it might be said that several fledged right past them. In one instance one of the photographers was in perfect position. It happened like this: silence and suspense—swoosh—thud—click—but no flash. Better put a bulb in next time.

The last assembly meeting saw eight men handed the Bent, symbol of Tau Beta Pi. Tau Beta Pi is a national honor society whose purpose it is to mark in an appropriate manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as undergraduates.

Also symbol of their pledgeship, the Bent is to be carried on their person until they become full-fledged members of the society.

See SKULL TAPPING—Page 3

The Worcester Tech Radio Club is offering free message service to all students and faculty. They are able to send messages in the U.S. and Canada or to servicemen overseas.

The message can be of any type, but the limit is about 30 words.

If you would like to send a message, just make it out with complete address. Write "message" on it and put in M box in Boynton Hall. If message is to be sent to a serviceman, be sure to include address and A.P.O. number.

All messages will be handled promptly by members of the W.P.I. Radio Club.

DEBATERS WIN CITY CROWN

The W.P.I. debating society won a decisive victory over Clark University and Holy Cross to capture the city debating trophy in a tournament March 16 at Clark. The W.P.I. teams have fared well this year and this victory perhaps is the summit of the club's accomplishments of the season. The debating society was presented the trophy by Clark University and it will remain with the Institute for the rest of the year. The members of the W.P.I. teams were, Howie Dworkin and Charley McDonough, negative, and Bill Saxton and Dave Hoskinson, affirmative.

On the novice or learners level, the society has just completed a brief tournament at Emerson College in Boston. The new debaters who are presently learning the in's and out's of this years topic, met very stiff competition in such schools as Harvard, M.I.T. and Boston University. All in all the experience proved to be of great value to those who participated. With the interest that is presently being shown in debating, the future for the debating society looks bright.

Many other tournaments have been planned for the month of April including ones at Dartmouth and Emerson.

Read the
TECH NEWS
Each Week

Theta Chi Wins 7th Songfest

Last Saturday night, the Seventh Annual Pi Delt Songfest was held at Alden Memorial Auditorium.

The winner of this songfest, Theta Chi, finally succeeded in dethroning Sigma Phi Epsilon who had won five of the past six songfests. This was the first time that Theta Chi has won the songfest but they came close last year, running second to Sig Epsilon.

The songs that took the trophy for Theta Chi were "My Heart Commends Itself to Thee," "My Dear Little Girl of Theta Chi," and "Little Innocent Lamb." The members of the winning octet were E. L. Nelson, Jr., R. K. Crane, R. A. Yates, W. A. Losow, J. K. Hanks, R. D. Kangas, A. D. Burke, A. C. Papaioannou, J. Virkus, N. M. Lawrence. The work of this group Saturday night showed many hours of preparation which probably was a large factor in determining the winner. Other factors that judges based their opinion on were the choice of the material, balance of parts, tone quality, and audience appeal and pitch.

Three other fraternities received honorable mention for their showing. They were A.T.O., S.P.E. and T.K.P.

The judges for this contest were Clifford F. Green, Director of Music for W.P.I.; Raymond Morin, Music Critic for the Worcester Telegram and Gazette; and Stanley W. Norwood, Director of Music for the Worcester Public Schools.

Pi Delta Epsilon is a National Honorary Collegiate Journalism Fraternity which founded its Worcester Tech Chapter in 1948. The purpose of this fraternity is to elevate the cause of journalism, to foster the welfare of student publications, to develop the truest fraternal spirit among its members, to encourage loyalty to their Alma Mater and to reward the journalists working on the student publications for their efforts, services and accomplishments by admission into the organization. It is the hope of fulfilling the fourth tenet, that of encouraging school spirit, that Pi Delta Epsilon presents this songfest.

Photographic Contest Announced By Liggett & Myers—Open To All

"Campus Stand-outs" is the subject of a nation-wide photography contest for collegiate photographers, it was announced today by the sponsor, Campus Merchandising Bureau, Inc., for Liggett & Myers Tobacco Company, makers of Chesterfield and L & M Filter cigarettes.

Any student on this campus may enter the contest and cop his share of the \$1,000 prize money offered for the best photographs and captions describing a typical collegian. Photographers may submit as many entries as they wish and may win more than one prize. Entries must be the original work of the contestant and submitted in his own name.

Rules for the contest are as follows: entries must be made up of one 8 x 10 glossy photograph and a suitable caption not to exceed six words. The name and address of the photographer and each of the students in the photo must be included on a single sheet of paper attached to the photo. Both photographer and students in the photograph must be registered at this college. The contest is open to all students except employees of Campus Merchandising Bureau, Inc., Liggett & Myers Tobacco Company or its advertising agencies and members of their immediate households and families. All entries must be mailed to Campus Merchandising Bureau, Inc.,

299 Madison Avenue, New York 17, New York, and must be postmarked no later than midnight, May 16, 1955. All entries become the property of Liggett & Myers and none will be returned. The decision of the judges will be final and duplicate prizes will be awarded in case of ties.

The subject of the photograph must be a personality stand-out—an individual student representing a campus type; i.e., "BMOC", "Man Voted Most Likely To . . .", etc. For examples of poses and captions, see the current advertisements for Liggett & Myers' cigarettes.

Judges from the Liggett & Myers advertising agency and a top professional photographer will pick the winning photographs and captions based on these qualifications: good, clear picture—suitable for reproduction; appropriate caption; and photographer's originality in illustration technique. Winners will be notified by mail.

The prize money is to be awarded to student photographers as follows: \$100 each for the top five award-winning photographs; second prizes of \$50 each for the next six best entries; and 20 prizes of \$10 each to those achieving honorable mention. There are 31 chances to win!

Registrar Announces Names Of Men Receiving Scholastic Honors

The following is a list of the men who made honor grades for the last school semester.

SENIORS

First Honors—H. T. Grandin, M. A. Rafferty, C. E. Nord, R. T. Kirkpatrick, W. G. Dudevior, E. Schoppe Jr.

Second Honors—J. E. Edfors, L. A. Gaumont, R. W. Gustafson, J. K. Hanks, P. H. Horstmann, R. E. Olson, J. E. Clappett, H. J. Dworkin, C. F. McDonough, G. S. Swart, R. A. Rader, W. R. Taylor, L. F. Dennis, E. W. Johansson, R. C. Kee, E. F. Nesman, R. L. Sieron, E. P. Simonian, J. A. Warren, H. S. Zieper.

JUNIORS

First Honors—L. A. Ancevicus, R. T. Betchley, R. V. Basil, R. A. Foisie, R. R. Hagglund, R. G. Hajec, L. B. Horrigan Jr., J. A. Taylor, D. F. Behringer, R. L. Diamond, H. J. Dumas Jr., G. W. Gilbert, R. R. Heath, P. D. Schoonmaker, R. H. Tancrell, R. van den Berge.

Second Honors—A. D. Blakeslee III,

L. E. Blomstrom, W. G. Casey Jr., B. R. Danti, T. W. Hansen, R. E. Kleid, F. A. Koch, R. E. Mulno, B. F. Paul, C. R. Healy, J. M. Nash, H. W. Nowick, A. V. Scancelli, C. E. Gunn, F. H. Lohrey, A. Palmero, R. F. Stone.

SOPHOMORES

First Honors—A. W. Anderson, W. W. Rawston, D. B. Rising, W. C. Kress, G. H. Long Jr., G. J. Mitsis, A. Vranos, R. A. Yates, R. A. Beaudet, R. R. Bertrand, V. L. Moruzzi, R. L. Brass, R. K. Crane, J. P. Densler, N. R. Landry, W. A. Saxton.

Second Honors—R. D. Fallstrom, A. R. Gustafson, S. Hass, J. J. Weber, C. L. Adams, C. H. Bidwell, D. W. Briggs, R. F. Galligan, R. P. Schlenker, J. R. Clarke III, G. E. Friberg, D. J. P. Lussier, D. J. Murphy Jr., A. Nedvin, W. C. Rogler Jr., C. A. Tyson, E. R. Ahlstrom, L. H. Baker Jr., D. S. Becker, R. F. Bis, R. K. Schmidt, R. Wilson, R. A. Barlow, R. J. Ferguson, D. D. Girard, S. Z. Gunter, K. E. Hermance,

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TECH NEWS

Published Weekly During the College Year by
The Tech News Association of the Worcester Polytechnic Institute

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News Phones: Business (PL. 6-3082) Editorial (PL. 3-1411 Ext. 245) (PL. 7-9971)

Subscription per school year, \$2.00; single copies, \$1.00. Make all checks payable to Business Manager. Entered as second class matter, September 21, 1910, at the Post Office in Worcester, Mass., under the Act of March 3, 1879. Editorial and business offices located in the Alden Memorial, Worcester Polytechnic Institute, Worcester, Massachusetts.

The views expressed in this paper are entirely those of the editorial staff, and in no way reflect the views of Worcester Polytechnic Institute.

President Bronwell

At a recent assembly the students got their first real look at Tech's new president, Arthur B. Bronwell. I am sure that everyone will agree when I say that in President Bronwell, we have a man who sincerely has the interests of Tech at heart and that he is a man who will not just think about things to do but is one who will do that which has to be done and then do a little more just to make things come out better than satisfactory.

One of the first problems which the president has recognized and begun to combat is that of college publicity. In solving this problem an organization called the "Boynton Hill News" has been set up. As you probably read in the last issue of the TECH NEWS the organization sends out flyers to each student group and fraternity on campus for the purpose of garnering any newsworthy item, and then these items are turned into a common pool from which the TECH NEWS, the Journal and the Telegram and Gazette can draw.

As he stated in his preliminary remarks at the assembly, the president intends to have a meeting with the student officers of the college organizations and the faculty members. This move is certain to foster better student-faculty relationships, and to bring to light some of the problems of the students as well as to bring to the students a keener insight to the problems which are connected with the task of teaching basic engineering principles and concepts.

As you may remember or as you may have read elsewhere in this issue the president evidently feels strongly that an education is not just the process of learning numerous facts but it is a complex tool which should be used to inculcate the desire to excel in every field. It is the duty of everyone to use this tool that has been placed at his disposal to its best advantage and to become the best possible engineer and citizen.

—A.V.S.

College Grants

As the U.S. and Russia stare across the frozen stream of talks and discussions at each other, in the greatest cold war ever waged, a tremendous battle is being fought beneath the frozen surface while planes, bombs and boats are being constructed daily in the race for supremacy, the realization of complete automatism in war becomes more prevalent. The key of obtaining this goal first and thus the upper hand does not lie in the country's size nor army but in its engineers.

Our country has been slow to realize this and has until recently left the harvest of engineers each year purely to chance. However, due to the great deficit in engineers, caused by many obvious reasons, the country, through many of its corporations, is instituting effective plans to encourage young men in the technical field.

At Tech, these efforts are already being felt. Westinghouse made a grant of \$3,000 for 1956 and will do so again in 1959. General Electric has set up a plan whereby the Alumni contributes to their Alma Mater and G.E. will match the sum. Though in effect only a few months at Tech, the Institute has already netted \$800. We have hopes that one of the latest grant-plans, that of the Ford Corp., will go into effect on the Hill. These allotments will be used in various nondescript ways all with one goal in mind—to produce more and better engineers.

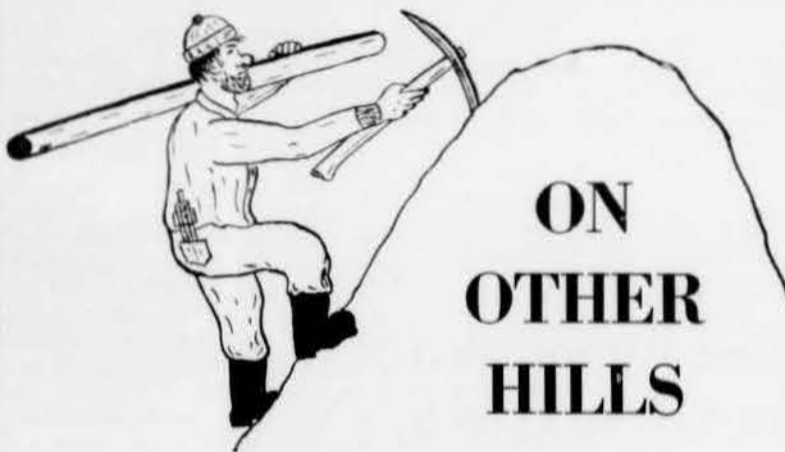
—J.H.L., IIIrd



W.P.I. is Woopie Tech this week.

A couple more days and we have a vacation, then down the home stretch. This vacation brings the Seniors to the 15/16 mark of their college career. The Seniors look forward to the greatest period of their life and then a little beyond that to industry. In industry they will again be Freshmen; again have upperclassmen as idols, again be looking up the long, clouded ladder, wondering what the top has to offer them.

The Juniors and Sophomores will go home for their vacation, not stopping to wonder or think about a thing—just hoping they can get a date every night and sleep every day. But the Freshmen, like the Seniors, have a lot to think about. Just a look at the calendar will get any Freshman shook. "What will I be like after going to school nine straight weeks with ten days off? This time certainly can't go by as fast as the first three quarters." These thoughts somehow get pushed to the back of their expanding squashes as they show their proud, new acquisition. — Their fraternity



ON OTHER HILLS

By Richard Barlow

Dateless? One of the brothers of Alpha Epsilon Pi's U. of M. chapter has that perennial problem. In fact, Louis Neusner, a junior from Lawrence, Mass., has not had a date since he arrived at the Amherst school some three years ago.

But Louie's fraternity brothers proved that even today there is such a thing as fraternal brotherly love. The AEP's started a "Get a Date with Louie" contest. Entry blanks were circulated on the UMass. campus in the coed dorms. Saturday, March 5, was the deadline for enterprising females to get their entries to Alpha Epsilon Pi. The contest winner was guaranteed an all-expense-paid trip for a distance of 500 yards from the campus to the fraternity house on a Saturday night.

When the deadline date was reached, the AEP's had a grand total of over one hundred "I want a date with Louie" or "Louie should have a date with me because" letters. The letter selected was a poem written by Carolyn Kasanof who described herself in the following manner:

I'm all of five feet and adorable too, Pick ME, Louie, to have a hullabaloo! So what are you waiting for? get on the ball; Select Carolyn Kasanof, the best of them all.

As it turned out, the lucky winner received a lot more than promised. Carolyn was given a corsage, a complete wardrobe cleaning, a wool sweater, and flowers. All the gifts were from Louie's considerate fraternity brothers, who were determined that Louie's first collegiate date was going to be quite an impressive one.

In addition, the attractive five foot brunette will have the honor of being queen of one of the country's post season bowl games. Carolyn will reign over the "Nose Bowl" between the AEP's and Theta Epsilon Phi on Thursday evening. Saturday night the AEP's will hold a "Louie Party" to pay the pair homage.

All in all, the contest created quite a stir. It has received both local and state publicity. It has been rumored that Life plans to use it in one of their "Life visits" features. But any AEP will tell you that all this publicity is

pin. No one could doubt their word when they say that this pin means so much to them that no girl will ever wear it. By the time this humble Freshman becomes a Senior, his fraternity pin will mean ten-fold what he thought it meant but you won't see it on him.

During the last couple weekends a great many Freshmen were given these honored pins. Sig Ep added nineteen eager Freshmen to its fold while LCA initiated seven to its ranks. Phi Sig had an initiation banquet for its twenty-four new brothers at the Buttercup Hill Club in Lunenburg. Phi Gam now has ten little Fiji brothers. The new Fijis were feted at a banquet at the Franklin Manor where they heard as guest speakers, Frank Crandel, National Ritualist and Frank DuBois, Sectional Chief. Theta Kap welcomed their sixteen new brothers with an initiation banquet at the Hickory House. National Vice President, James J. Duane was guest speaker. At the banquet, Rollie Ledoux was awarded the Fraternity's Scholarship Improvement Award. Theta Chi had its initiation banquet at the Sterling Inn. Capt. Burns of the MS Dept. was invited as guest speaker. Ox Clubbers like to remember—but only remember—the initiation banquet last year when Rog Pyne gave

a history-making non-printable response to the ever popular question, "What'll you have?"

Old Sol didn't cooperate with Theta Kap over the weekend for their House Formal. Despite the continual rain they held an informal dinner-dance at Towncrest Friday night and an informal party at Bullock's Lodge on Mt. Wachusett Saturday afternoon.

Last Saturday night Phi Sig had a "Bermuda Shorts" Party. In a vote held after it was unanimously decided that the brothers' legs couldn't compare with their dates. (There was one exception to that.) To add more color to the evening an alumni brother, Russ Lussier, dropped his jewel to Terry Shane.

The pledges at AEPi did such a great job on fixing over the game room that the brothers aren't going down until they open it with a party.

In elections recently held at Phi Gam, Hans Keuhl was elected house president. The other officers elected were Roy Seaberg, Corr. Sec.; Jim Kubic, Recording Sec.; Dick Silven, Treas., and Erv Smith, Historian. Theta Chi elected Charlie Gunn for top spot with Bob Yates for Vice Pres., and John Rogers as Secretary.

Don't forget to come back after vacation because the fabulous Junior Prom is coming right up.

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inconsequential. The important thing is that Louie, at long last, has a date.

(This bit of nonsense was plagiarized from the Williams Gazette.)

Removing his shoes, he climbed the stairs, opened the door of the room, entered and closed it after him without being detected. Just as he was about to get into bed, his wife aroused from slumber, turned and sleepily said: "Is that you, Fido?" The husband, relating the rest of the story, said: "For once in my life I had real presence of mind. I licked her hand."

EDUCATION FOR LEADERSHIP

I greatly appreciate this opportunity of addressing the student body on a subject which I believe is both significant and vital to every student in the Institute.

But before embarking on the subject of my talk, I should like to make one or two brief comments regarding matters which will be of particular interest to you.

Over the past few weeks it has been my privilege to meet with students from your various student organizations and I have talked with many students in the fraternities. I assure you that I will be interested in continuing this close association with students in order to get your viewpoints on student welfare. In order to promote closer liaison between students and faculty, we will arrange in the near future the first of a series of meetings between student officers of your campus organizations and our faculty administrative committee. These meetings will provide opportunities for a free and open discussion on any and all matters relating to the Institute as it affects student welfare. Our mutual objective will be the strengthening of the Institute in order to provide increased opportunities for the intellectual and professional growth of students.

You will also be interested in another program which we hope to undertake in the near future. I have discussed with the officers of your various student organizations and your Student Christian Association the desirability of bringing to our campus some speakers who are outstanding leaders in industry and government. In developing this program, it is our hope that we can bring to the students some of the larger perspectives and broader visions of people who are taking leading roles in industry and government. Such a lecture series can provide an inspiring influence which will highlight your own educational careers. Such a program will be possible only if the students will give their wholehearted support by attending these assemblies. These talks will be scheduled at the Wednesday assemblies at intervals of about once a month or once every six weeks.

It is obviously quite premature for me to speak about the future of Worcester Polytechnic Institute. I find, after six weeks on the campus, that my own stigmatism combined with the spherical aberrations of my crystal ball, make it difficult for me to project ahead. However, I am well aware of the fact that the Institute has a future as well as a present and that we must plan ahead for the Institute's future growth and development. I am happy to inform you that the Board of Trustees of the Institute has appointed a Committee on Development and Public Relations, charged with the responsibility of looking ahead into the Institute's development and planning the needs of the Institute as they relate to finances, build-

ings, and educational goals. We do not anticipate any immediate program. Rather, this will be a long-range study which we hope will develop an objective and realizable program for the future development of the Institute.

Now, I should like to return to my topic of discussion—Education for Leadership. Long ago I learned that in college we are dealing not with students, but rather with the future scientists, the engineers, the business executives and the leaders in government and civic life. In short, we are providing the educational experience which can inspire individuals to seek to develop their fullest capacities in the service of mankind. This is the meaning and purpose of education.

I wish that it were possible for me to give you a simple formula or to inaugurate a course which would train individuals for leadership. But I am sure that any such attempt would not only be totally useless, it would lead to hopeless frustration. Leadership is not the application of certain pat formulas, nor is it merely a matter of mastering a certain body of knowledge and becoming proficient in its use. Perhaps these are necessary ingredients in acquiring leadership characteristics, but I think that you will readily recognize that there is far more substance to leadership than that.

Let me start by relating a little parable which will in a roundabout way illustrate a point. Mark Twain once facetiously related an incident in which two men, wandering out west, came upon the Grand Canyon and observed this magnificent spectacle of nature in a moment of awesome silence. Then one of them fell to his knees and prayed fervently to God; the other exclaimed, "Well, I'll be damned". Now it was Mark Twain's contention that both men had the same feelings—only in their rituals did they differ.

Let us now transform this parable and consider two students who are in college together, both taking the same classes from the same instructors and coming under the same total influences of education. To one, college education is an eagerly sought after experience—a glowing opportunity. To him education is a vital, living, growing experience. He eagerly seeks knowledge, not superficially, but in the larger and more meaningful sense. Wherever we find him, in the library, in his conversation with instructors, yes, in bull sessions with other students, we observe an alertness, a keen intellectual interest and a genuine enthusiasm for distinctive achievement. In his participation in extra-curricular activities, we find the same enthusiasm, the same cooperativeness, and the same drives to excel.

The second student is one who looks upon education as a drab, prosaic experience. It is a somewhat bitter pill which, if swallowed, will somehow pre-

pare him for a life-time career. As such, education is to be tolerated but it is certainly not to be taken too seriously. His intellectual interests are likely to be narrow and superficial; he is for the most part disinterested in co-operative undertakings and extra-curricular activities. Underlying this personality, we find basically a concern for a leisurely life. He is primarily interested in security and the maximum comforts which life can bring to him. He may secretly aspire to leadership, but this is to be achieved by the most direct and painless route, with a minimum expenditure of human effort. He usually finds a cool reception from his colleagues, who certainly do not recognize him as a leader.

Now I should like to return to Mark Twain's parable and turn his satirical conclusions around 180 degrees. We find that both students are performing the same ritual, but, contrary to Mark Twain, their feelings are entirely different. Inevitably these two students will carry over into their future employment those character traits, habits, and personality patterns which they acquired in college and in earlier life.

That individual who has developed a zest and purposefulness in his college experience will in all probability find the same challenges and enthusiasm in his industrial pursuits. His ability to work cooperatively with others and in turn to gain their cooperation and support will soon mark him as an unusual person—the sort of fellow you can always depend upon to get the job done efficiently and cooperatively.

The diffident person, despite any leadership ambitions he might have, is likely to have the same colorless prosaic reaction to his new job that he found in college and to encounter the same attitudes of indifference among his colleagues. In short, he will not have built into his character those traits which are so essential for successful leadership.

At this point, I will leave the parable and let you extrapolate the conclusions. But I think that the moral is clear—that attitudes, ambitions, consideration for others and natural aptitudes all combine in a very vital way to determine an individual's leadership qualifications.

But what part does education itself have in this composite picture of leadership? First, I think that we must concede that in considering the dominant traits in leadership, there is no substitute for a high order of intellectual self-discipline. This is the kind of intellectual discipline that takes hold of problematic situations with confidence and applies systematic reasoning processes to bring about a feasible and economical solution. It is the kind of discipline which has acquired a broad background of fundamental knowledge which can be brought to bear upon any problem. It is the kind of discipline which has acquired an intuitive sense of pro-

portions and rightness that gets results by the most expeditious route. It is the kind of discipline that exercises ingenuity and resourcefulness in leading out in constructive new directions, rather than adhering to the time-tried methods. It is the responsibility of education to help the student to cultivate this kind of intellectual discipline.

But there are other enduring values beyond the cultivation of intellectual disciplines which are to be derived from college experience. Education must enlarge the student's perspective; it must give him broader visions of goals and opportunities. A student who narrows his interests down to one particular field of specialization is following the advice on that road sign on a muddy road in Maine which reads, "Pick your rut carefully; you will be in it for the next twenty miles—perhaps for the rest of your life."

Engineering is largely a problem-solving profession. In scientific research and engineering we are dealing with natural law which is tangible, predictable and completely reproducible. Here logic is supreme, and there may be but one right answer. But beyond the material and predictable elements, there are always the unpredictable human elements with which the engineer must also deal.

If the world were governed entirely by natural law, there would be no difficulty in assuring progress. But the truly great problems that face mankind today lie outside the spheres of precise natural law. They lie in the realms of human relations where we find such unpredictable elements as human motivation, mass psychology and conflicts between races, nationalities and groups of people. This is the realm of operation in which your slide rule and log tables will be useless. The solution of these problems requires knowledge and problem-solving skills of an entirely different character than that which you will acquire in your purely technical courses.

The management of our modern industry, for example, involves problems in administration, economics, public relations and human relations which are just as complex in their fields as those in science or engineering. Furthermore, many of these problems do not have clear-cut and precise answers. But the manner in which they are solved can make or break a company just as assuredly as technological successes or failures.

On a larger scale, the vital and perplexing problems which confront our nation in both its internal and international relationships are problems involving human relations. It is essential for one who aspires to leadership either in industry or in public life to cultivate more than a superficial knowledge of the elements which have shaped and formed our civilization as we know it today. He

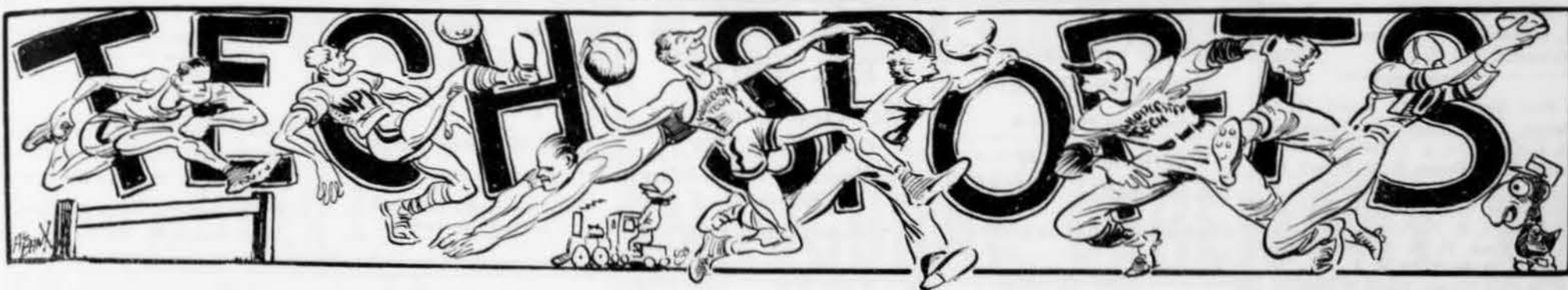
must know something about our social, political and industrial systems—how they came into being and how they operate. He should have a broad philosophical outlook, coupled with a sense of values—values in human relations, values in society, values in morals, and values in appreciation of cultural influences. Upon these cultural foundations, the individual can build to enrich his life. They will give him perspective, balance, and deeper human understandings all of which are essential to successful leadership.

Progress is seldom made by perpetuating the status quo. To be educated is perhaps a necessary, but certainly not a sufficient goal for leadership. In leadership, there must be ingenuity and resourcefulness in planning ahead and in selecting significant and realizable goals. True leadership requires a high order of faith in objectives, confidence in one's abilities, and a sum total of human attributes which make up those priceless facets that collectively we call character and personality. These are not attributes which can be suddenly acquired upon graduation. They are rather the cumulative influences of the individual's attitudes, his beliefs, his principles, and his outlook on life.

But perhaps you will object that your college education is not all inclusive, that it does not embrace education in all of these essential attributes. This is quite true. A college education must necessarily select limited objectives and treat these thoroughly in order to avoid shallow superficiality. Mastery of this knowledge can be of inestimable help to you, although it is not the whole story. No, regardless of what curriculum you might take in college, whether it were engineering, liberal arts, or business administration, you would have to regard your education as an open-ended proposition. It is your obligation while in college and after you have graduated to carry forward your education, if you would aspire to a position of leadership. There is no surer way to stifle your leadership potential than to allow yourself to stagnate mentally—yet this is precisely what thousands of college graduates do annually.

Your future—your destiny is in your own hands. Your attitudes, your outlook on life, and whether or not you seek constantly to enlarge your knowledge and capacities will, more than anything else, determine your destiny. If we at Worcester Polytechnic Institute can open the doors to larger expanses of knowledge and larger visions, if we can install a genuine enthusiasm and a spirit of adventure for intellectual conquests, if we can inculcate in you a deep-seated urge to contribute something very substantial to your profession in its service to society, then will we have succeeded in our mission.

(This speech printed courtesy of the S.C.A.)



S.A.E., PHI SIG TIED IN FINAL WEEK OF SEASON

Sigma Alpha Epsilon, a dark horse in the race for the intrafraternity basketball crown, has come up to challenge Phi Sig for the honors as the field heads down the home stretch. Both teams possess 6 and 1 records with but one game left to play. S.A.E. should have no trouble finishing up with a victory over winless A.E.Pi, but Phi Sig will really have the pressure on them as they tangle with Theta Kap. This game is tabbed as the big one of the week since it may well decide the championship.

S.A.E. started its climb to the top by

defeating Sig Ep in a triple overtime thriller 45 to 42 and on the very next day they scored an important win against Theta Kap, 50-44, after overcoming an early deficit. They continued their winning ways by rolling up easy victories over A.T.O. and Lambda Chi and finished up the week with another overtime win, this time against Phi Gam, 48-44. Their only loss came at the hands of Phi Sig 27 to 25 in their second game of the season.

Phi Sig dropped its first game of the season to Sig Ep in overtime and then took its next six games without a loss.

Archival Phi Gam gave Phi Sig a scare in a game played last Friday, but the Phi Sigs won out in overtime, 45-43. It was one of the closest games played this season with neither team leading by more than one point through the whole second half and winding up 39-all when regulation time ran out. In fact, the lead changed hands 19 times during that second half.

In another important game played on Friday, A.T.O. knocked league leading Sig Ep out of the running in another overtime tilt, this one by a little more decisive score 31-25. This game completed A.T.O.'s schedule for this year and gave them a 4 and 4 record on the season.

PITCHING CANDIDATES TURN OUT FOR McNULTY

By BOB PURPLE

Last Monday, with the official arrival of Spring, the Worcester Tech baseball team held their first workout. Coach McNulty, undaunted by the inclement weather, had his battery combines loosening up in the gym. Pat Leikkanen, Harry Barton, Hank Nowick, and Don Taylor, all veterans from previous campaigns, have been throwing "soft stuff" hopeful of working out the many kinks resulting from the eight month lay-off. Joe Alexshun, standout mitt-man behind the plate last year, and sophomore John Matuszek have been handling the backstopping duties during these pre-season drills.

In hopes of bolstering an already potentially strong mound staff, three newcomers have been arduously working out with the lettermen. Dave Ripple, who toiled for Brooklyn Tech, and Don Abraham and Ron Kupan, hailing from Norwich and Norwalk, Conn., respectively, are the three freshman hopefuls. Should any one of these new men come through, the team, at least from the battery viewpoint, should be fairly strong.

Going on to the rest of the squad, the outlook is equally bright. Infield holdovers include George Strom, Lou Marsella, Eddie Eidt, and Kev Joyce. Bob Schultz will undoubtedly lead the "Mountain Goat" patrol in left field again this year, while Don Grenier will do the shagging in center or right.

The losses from last year's squad were light; however, the absence of the two graduated men, Captain Rog Osell and infielder Joe Frattino, will undoubtedly be felt. Osell, who sported a .333 batting average, was the club's

leading hitter last season. Right now McNulty's biggest headache seems to be finding someone to fill in the second base slot vacated by Roger. This may call for a little juggling of the present infield material unless some new comer shows the stuff and gets a crack at the spot. Much of the success of the club will depend on how well the position can be filled, since the important keystone double-play combination depends greatly on the agility of the second baseman. If the position can be filled adequately, the "down-the-middle" combination of this year's team will be strong.

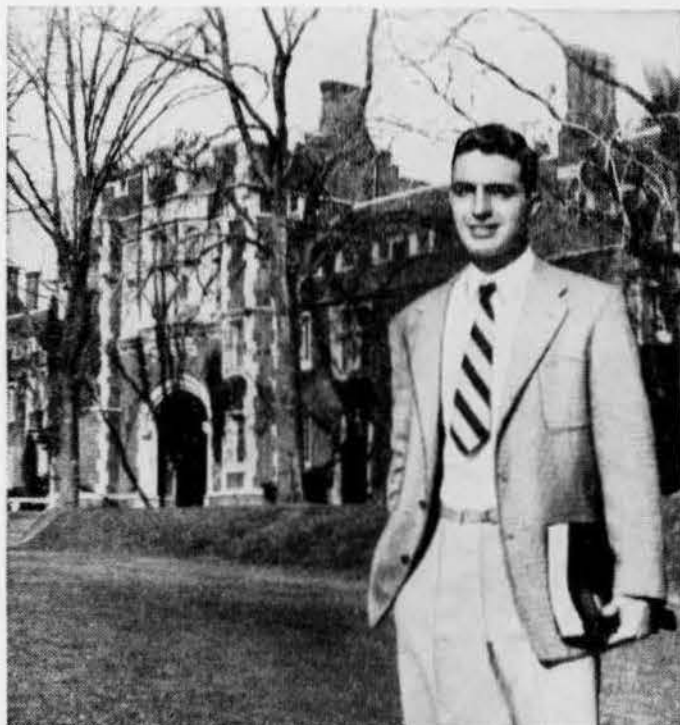
The only fly in the ointment seems to be in the hitting department. Says Coach McNulty, "We need hitting—especially one good sticker." Two of the three losses last year were 4-0 shutouts. A few timely safeties could just as well have turned those defeats into victories. If the mound staff comes through again (five of last year's seven wins were shutouts, including Don Taylor's no hitter against Clark) and a couple dependable stickers show up, Tech should experience a very successful season.

The schedule:

April 16	M.I.T.	Away
19	Clark	Away
23	Northeastern	Home
27	Assumption	Away
30	Trinity	Home
May 3	Coast Guard	Away
7	Lowell Tech	Away
11	Clark	Away
14	Tufts	Home
18	New England Col.	Home
21	A.I.C.	Away
25	Wesleyan	Away

Donald C. Pote asks:

What bearing would my field of training have on my assignments at Du Pont?



DONALD C. POTE will receive his B.S. degree in Mechanical Engineering from Princeton University this June. He's been quite active in interclub athletics—football, basketball and baseball—and served a term as Club Athletic Director. He's also found time to work on "The Princeton Engineer" as Associate Editor. Right now, Don is making thorough plans for his employment after graduation.

"Chuck" Noren answers:

The answer to that is easy, Don, if you mean *initial* assignments. Generally speaking, a graduate's first assignment is influenced by his previous training and his expressed interest in a particular type of work. Whenever possible, Du Pont assigns a man to the type of work he is trained for and wants—he'll do better in any field if he's highly interested. For example, my master's thesis was on the use of explosives, and my first Du Pont assignment was a study of the efficiency of explosives.

But experience on the job really constitutes *new training*. You learn about other branches of science and engineering—you broaden your horizons through daily contacts with men having other skills. The result is that arbitrary divisions between technical branches gradually dissolve, and you become ready for new assignments and new responsibilities—even outside your original field. In my own case, I developed quite a bit of skill in mechanical and civil engineering techniques when I was called upon to supervise the "shooting" of an experimental tunnel for the evaluation of new explosives—even though my original training was in mining engineering.

Of course, specialization in a definite field may be continued if the man specifically wants it and reveals a talent for it. The best opportunities for that are in research and development. Naturally, the value of this kind of work is also recognized at Du Pont.

So, no matter what your initial assignment may be, Don, Du Pont is anxious to bring out your best. A good rule to remember is this. A graduate's first assignment is often necessarily based on his field of training and his degree, but his subsequent progress at Du Pont is *always* based on his demonstrated ability.



CHARLES H. NOREN received his B.S. in Mining Engineering from the University of North Dakota before he entered the U. S. Air Force. Later he returned to school for an M.S. from the Missouri School of Mines, received in 1948. During the course of his Du Pont employment, Chuck Noren has had a wide variety of job assignments. At present he is engaged in a fundamental research project concerned with commercial explosives at Du Pont's Eastern Laboratory in Gibbstown, N. J.

NOW AVAILABLE for student ASME chapters and other college groups, a 16-mm. sound-color movie—"Mechanical Engineering at Du Pont." For further information write to E. I. du Pont de Nemours & Co. (Inc.), 2521 Nemours Bldg., Wilmington 98, Delaware.



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SPORTS CALENDAR

March 30-31 I.F. Swimming

I.F. TABLE TENNIS

	4 P.M.	4:25	4:50	5:15	5:40
April 12	PGD-ATO LXA-SPE	AEP-TX SAE-TKP	LXA-ATO PGD-PSK	SPE-ATO TKP-TX	AEP-SAE PSK-TX
13	PGD-TKP SAE-TX	SPE-PSK LXA-AEP	LXA-PSK PGD-AEP	AEP-TKP PGD-SPE	PSK-TKP PGD-LXA
14	SPE-TKP PGD-TX	ATO-AEP LXA-SAE	ATO-TX SAE-TKP	SPE-AEP ATO-PSK	SAE-PGD LXA-TKP
15	ATO-SAE SPE-TX	SPE-SAE LXA-TX	PSK-AEP ATO-TKP		

SKULL TAPPING—From Page 1

The following names were announced by Carl Nord, president:

Lawrence Horrigan—Sports editor of the *TECH NEWS*, Newman Club president, ASCE president, *Peddler*.

Robert Kirkpatrick—Sigma Xi, SCA cabinet, Camera Club, Literary Club, Pershing Rifles.

Hartly Grandin Jr.—IF sports, Glee Club.

Paul Schoonmaker—Class secretary (three years), cross country, Nautical Club, Glee Club.

John Taylor—Boyntonians, Band, IF sports.

Robert Betchley—Past vice-president of SPE.

Roger Tancrell—Glee Club, Masque, secretary of ATO, Newman Club.

Fredrick Lokrey—IF sports, AIEE, Eta Kappa Nu, assistant baseball manager.

Pi Delta Epsilon, national journalism fraternity founded to foster a greater interest in campus publications in Amer-

ican colleges, pledged seven men at last Wednesday's assembly meeting. Tech's twelve active members, with Dick Crook, president, at the rostrum, were lined up on the stage to receive the new "members-to-be."

As Dick announced the names they came forward in turn for the traditional pinning of the pledge pin and white carnation.

The men you will see on campus wearing the slug are the following:

Edward Bouvier—Business manager of the *TECH NEWS*.

Ted Coghlin—Managing editor of the *Peddler*.

Bernard Danti—Editor-in-chief of the *Peddler*.

Robert Delahunt—Editor-in-chief of *Civil Sidelines*, junior editor of the *TECH NEWS*.

Lawrence Horrigan—Sports editor of the *TECH NEWS*.

Fredrick Lindsey—News editor of the *TECH NEWS*.

Thomas Weber—Advertising manager of the *TECH NEWS*.

SCHOLASTIC HONORS—From Page 1
A. G. Larsson, C. M. Pomeroy, C. R. Richmond, J. G. Smith.

FRESHMEN

First Honors—E. W. Angell, H. A. Berger, J. E. Boggio, S. Changkasiri, D. S. Crimmins, J. S. Demetry, R. J. Dunn, E. C. Fraser, P. M. French Jr., T. A. French, M. M. Gallbraith, R. S. Jenkins, M. C. Knight, F. K. Lind, M. P. Mullo, S. K. Poultney, S. H. Radin, D. H. Reed, H. G. Roberts, H. W. Simpson, D. M. Todd, W. E. Wesolowski, R. M. Wiberg, R. A. Wiinikainen.

Second Honors—D. W. Abbott, G. C. Blodgett, R. J. Boyea, W. S. Brower Jr., R. J. Bugley, H. E. Clarkson Jr., R. A. Cormier, R. T. Danielson, F. D. DeNoyers, R. J. Donegan, L. Dworkin, A. L. Girard, J. L. Gorr, D. R. Grenon, M. S. Gutman, D. A. Helman, W. H. Hopf, N. M. Howe Jr., C. R. Johnson, J. J. Johnson, R. A. Jolicoeur, B. J. Lemieux, R. A. Lisbon, B. J. McKenzie, W. B. Mierke, J. V. Petrelli III, R. A. Pratt, H. B. Pritz, D. J. Ripple, K. J. Rome, J. J. Vedovelli, A. P. Anderson Jr., J. H. Atchison Jr.

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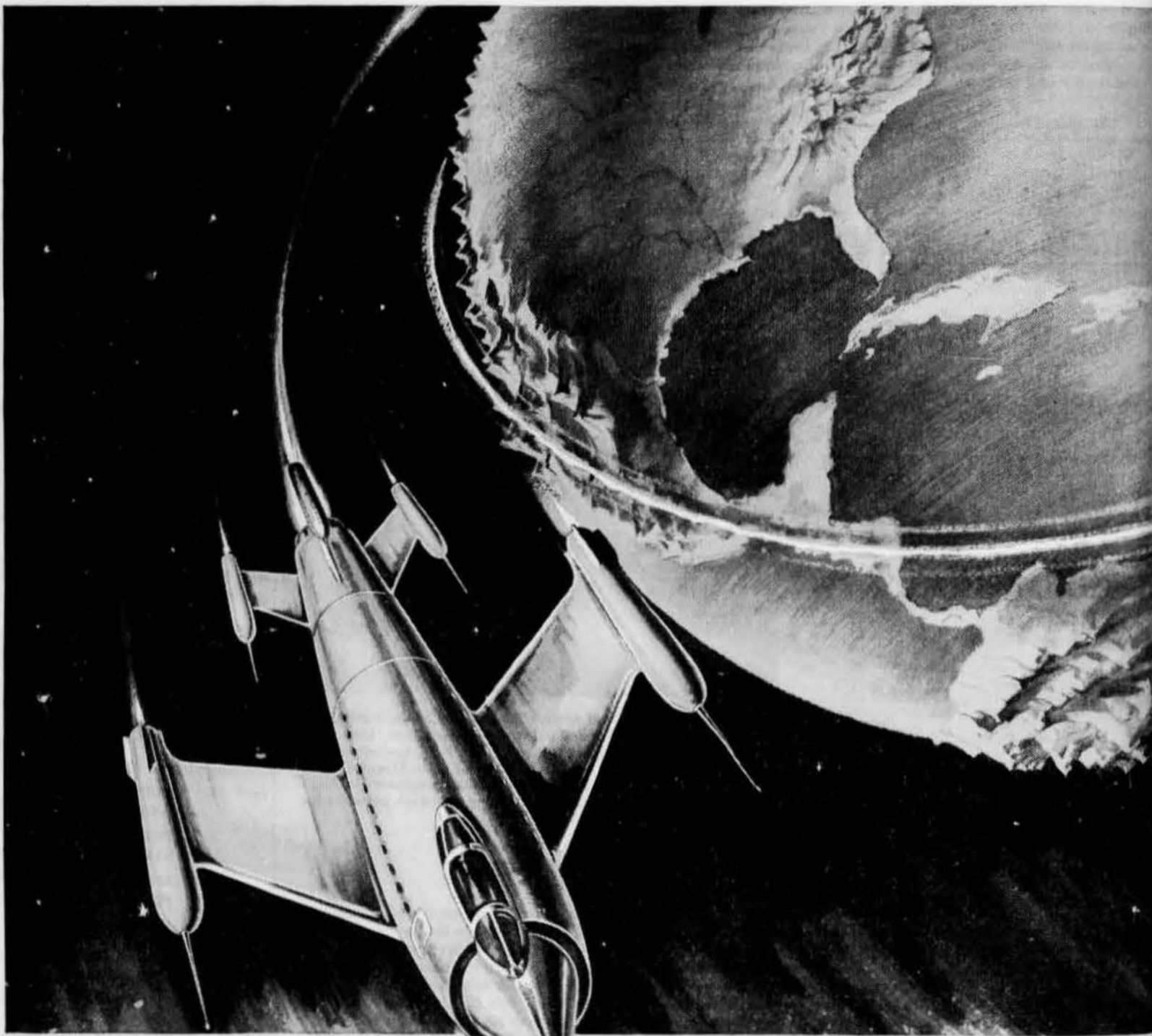
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