Flyboys ready for active year

Thatcher takes trip east to TBPI conclave

The annual convention of Tau Beta Pi, the only scholastic honor society on campus, was held in Wisconsin last week and attended by delegates from all 90 chapters distributed throughout the United States, including Phi Thacher from Tech's California Institute of Technology. Founded in 1883 and established at Tech in 1921, Tau (pronounced “taw”) is the highest reward for academic achievement and service to the society. Though usually considered an engineering society, Tech’s chapter is made up of people from all majors, except biology on the basis of “women have a more wholesome and exemplary character.”

The convention was split between the University of Wisconsin at Madison and Marquette University in Milwaukee. During the meeting, a petition for admission to Tau Beta Pi was accepted by the president of the University of South Carolina making 100 chapters, a new executive council was chosen which included a man initiated by our own chapter, and Boston was chosen as the site of the next convention. Most delegates were enthusiastic about the possibility of simplification of the constitution, but it, too, was eventually put through.

Besides business there was also an initiation and several banquet with a great deal of after dinner speaking. A chapter meeting was held especially interesting where a professor presented projects and organization were reviewed. Previous to the discussion great Canadian people expressive display of various projects by ambitious humans at our destination too, was eventually put through. After the convention there was an interesting tour of the Schilz brewery with much beer-sampling before the end of the tour. The tour was well attended by the delegates.

Wings over Pasadena

High over the Pacific ocean, 214 sailmen files through the night. They are fine viruses. Astatic flies viruses. Their destination: The California Institute of Technology.

Squadron leader to honorable crew. Squadron leader to honorable crew. We are approaching final destination. Repeat. We are approaching final destination.

An excited murmur runs through the crew. "Wings over Pasadena" was accepted from the University of Wisconsin last week and attended by delegates from all chapters distributed throughout the United States, including Phi Thacher from Tech's California Institute of Technology. Founded in 1883 and established at Tech in 1921, Tau (pronounced “taw”) is the highest reward for academic achievement and service to the society. Though usually considered an engineering society, Tech’s chapter is made up of people from all majors, except biology on the basis of “women have a more wholesome and exemplary character.”

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MacKenzie joins AROTC staff

A new assistant professor at air science at Caltech is Maj. Francis R. MacKenzie. He joins the AROTC staff after three years as Control Officer with the Military Air Transport Service in Germany. MacKenzie holds the aeronautical rating of Commander Pilot and, during World War II, served with the Ferrying Division of the Army Air Corps. In addition, he is responsible for replacement aircraft transport to all parts of the world.

He replaces Maj. Arthur S. Cooper, who is working toward a Master’s Degree in Industrial Relation at USC before undertaking an assignment in the Strategic Air Command.

Regatta highlights season of busy Caltech sailors

The Caltech-sponsored Invitational Regatta, traditional highlight of the sailing club season, will be this Sunday at the Los Angeles Yacht Club at 11 a.m. Among the participants will be Caltech and UCLA, Long Beach, Claremont and Santa Barbara.

Tech’s sailors, sponsored by the Los Angeles Yacht Club, have a boast possession of six fiberglass-hulled Glascats and a 17-foot sloop.

Warming up for the regatta, sophomore Ron Aps and a Scripps College crew member guided their 12-foot Glascat to a decided first place last Sunday at the Newport Harbor Yacht Club of Balboa Yachting Club’s first meet of the season.

Tech’s second entry was manned by Paul Widess and Al Lyons, a new member. Despite the absence of senior club members, the freshmen and sophomore sailors managed a close third place in the field of five. Also participating in the meet were PCC and Santa Barbara.

This was the first of 12 meets in which the Sailing Club plans to participate. According to “Commodore” Jim Weaver, one of the freshmen who have joined the club, Weaver commented: "I think our racing teams are getting better and better each year because this is a new breed."
**The California Tech**

**Thursday, October 17, 1957**

**Editorial**

**Bookstore held responsible for needless shortage**

As many students have noticed in the past few weeks, the Caltech bookstore was caught on undersupply of various essentials. As a matter of fact, the following list of some of the courses affected by this shortage:

- AM 15
- AM 15A
- Ch 41
- Ch 46
- EE 1
- EE 4
- EE 132
- EE 162
- EE 166
- EE 207
- FI 1
- Ge 108
- H 1
- H 2
- L 50
- Ma 108
- Ma 109
- ME 15
- ME 15A
- ME 18
- MI 112
- Pl 101

This shortage affected nearly the entire undergraduate student body; courses were forced to move forward for the first week in the semester. Hopefully expect to be completely supplied in the last weeks.

**But the shortage was absolutely unnecessary.** Each term the entire student body pre-registers, and the bookstore stocks with their anticipated course. The bookstore, of course, depends on the various departments, if they do not submit lists in time, the bookstore cannot be expected to order properly. This is evident part of the difficulty. On the other hand, one can see that this shortage, as damaging as it is to the welfare of the average student, should have been anticipated and alleviated. A charge of $1 per man of $10 per day the students here can inflict the loss of time caused by the shortage of books in required courses.

We sincerely hope that this will not be a continuing situation.

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**Letters to the Editor**

Editor, the California Tech:

In consideration of the editorials, "Interhouse Competition Is No Longer Sport," I would like to say a few words in defense of my own Interhouse, and the country in general.

To begin with, the Tech man is not in prime physical condition, and his attitude towards the country is a good sport, ideally suited to Interhouse competition.

Sputnik mania can make the student feel better, looks better, in prime physical condition. But most physical education is spent minimum of time. Moreover, by starting to get in shape at the beginning of the season, one finds it easier to participate in the sport. Assuming a man in good shape at the beginning of the season, one finds it easier to participate in the sport. Without some of the luxuries of being an Interhouse athlete, especially for swimming and tennis, one can see that running is one of the better general body conditioners. Assuming a man in good condition, the Interhouse athlete would be more tired, sleeps more soundly and works more efficiently. It is to one's advantage to exercise regularly. By running one can exercise his entire system while spending minimum of time. Moreover, by starting to get in shape at the beginning of the year during cross-country season, one finds it easier to pre pare oneself for the Interhouse season.

Sputnik, the Russians claim, was not accidental. It is true, means that the three-stage rocket used to launch it may have been either the 100,000 lbs. No one knows how long Sputnik will last. It may be 20 months or ready planning to launch a second one, or two or three times heavier, by the end of the year.

In closing, let me emphasize two points: The average Tech man could use a stronger body to go with his reputedly sound knowledge. Running is the only country is not popular as a sport in the light of the decided alteration in the attitude of the democratic countries to the value of cross-country to the average house member is its worth as exercise.

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**SPUTNIK**

Sputnik continues to make most of the news last week as America realized how powerful an enemy Russia had made. The rush which put it in its orbit, and the rush which followed, evidenced this new spirit of competition. The Washington, official's seemed to adopt an increasingly serious view of the situation after Neil H. McElroy, the new Sec retary of Defense, said that the new Soviet advances in rocketry "made it seem not unimportant to us to get a man into space."

In the U.N. the U.S. ordered to consider a separate resolution that outer space would be used only for "peaceful and scientific purposes" as proof of the former American insistence on a peaceful disarmament agreement. Russian Foreign Minister Andrei Gromyko, his usual encouraging persuader, announced that the U.S. It is certain . . . the U.S.S.R. is pushing Turkey upon this dan gerous issue.

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**FORUMS**

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1. After two consecutive victories, the Lasso men's basketball team lost to the Puget Sound, who scored a 14-7 lead in the first half. The Lasso men's basketball team scored a 67-63 lead in the second half. The Lasso men's basketball team scored a 67-63 lead in the second half.

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**The Outside World**

**The missile games**

The recent appearance of a Russian earth satellite is just one more piece of evidence of Russia's increasing lead in military technology. Unfortunately, there have been quite a few others. The most recent and the other impor tant Soviet-Soviet international broadcast report was the announcement of August 26 with last week's report that Atlas II lived only 35 seconds before it had to be destroyed.

This was fourth time that Rus sia has surprised us with her military technology. The first was the announcement of August 26 with last week's report that Atlas II lived only 35 seconds before it had to be destroyed.

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House life rushes on

On-campus students, particularly freshmen, found the first weeks of Caltech life to be incredibly hectic, as the fervor of initiation melted into the greater fervor of rotation. Water-fights, as shown above, were the order of the day, and various freshmen were heard to mumble, "Are we supposed to study, too?"

The unprepared found fuses, light bulbs, shower heads, door knobs and paintings missing.

All hands were up by seven Monday morning for the first full-scale battle of the year. Freshmen showed up in class in very unusual attire, ranging from devil's tails to corn cob pipes.

Some, however, could still recall the more humorous aspects of initiation, such as this inebriated photo (below) of a most unlikely person being snowed by enemy propaganda.

Caltech renews Pajamarino tradition

Last week Pajamarino returned to the Caltech campus, and the newly-formed ASCIT photo division was on hand for complete coverage of the event.

Below, Head Football Coach Bert LaMarche, silhouetted by the roaring rally bonfire, speaks to the student body.

Left: The cheerleaders and songleaders, led by John Hard and Wild Jon Kelly (3rd man), inspire the fans to greater frenzy. The songleaders were particularly inspiring.

Below, left: The Caltech Marching Band, attired in "crayzy" pajamas, prepares to "take the field."

The Beavers, however, succumbed to Redlands, 39-13, the next night. But some Beavers noted that the fire was still burning.

Only Viceroy gives you 20,000 FILTER TRAPS FOR THAT SMOOTHER TASTE

AN ORDINARY FILTER
Half as many filter traps in the other two largest-selling filter brands! In Viceroy, 20,000 filter traps...twice as many...for smoother taste!

THE VICEROY FILTER
Three simplified drawings show the difference...show that Viceroy's 20,000 filter traps are actually twice as many as the ordinary filter!

Twice as many filter traps as the other two largest-selling filter brands!

Compare! Only Viceroy gives you 20,000 filter traps—twice as many as the other two largest-selling filter brands—for that smoother taste!

Plus—finest-quality leaf tobacco, Deep-Cured golden brown for extra smoothness!

Get Viceroy! Get 20,000 filter traps, for smoother taste!
Forest Brewins

Five freshmen ballistics experts gathered at random, and exuding the odors of cheap gin, collected behind Throop last Saturday night for an all out assault on Mipotok. Owing to a Missended slide-rule, the attempt failed. (Hooah)

It was Monday night in the Tech office, and Lt. Milder was fuming in important rage: “Where the hell is Weisberg?” Peon, was fuming in impotent rage: “Where the hell is Weisberg?” Peon, was fuming in impotent rage: “Where the hell is Weisberg?”

Frosh Voice: “This is Yerbovsky. Get me Weisberg’s phone number, like quick.

Peon: Don’t you know me yet, frosh, man? House list!

Frosh Voice: Yerbovsky? Weisberg?

Peon: Don’t you know me yet, frosh, man? House list!

(Hookah)

The following is the first in a series of articles dealing with patents and inventions, a series that promises to be of particular interest and value to Caltech undergraduates. The author is Roland N. Smoot, B.S. ’50. Smoot holds an LL.B. degree from Georgetown University, and is serving as Associate Patent Counsel for the Institute.

by Roland Smoot

Last year graduates of Caltech and similar engineering schools lost for their employers potential income estimated to be in excess of Fifty Million Dollars. This amount is in addition to the cost of broken equipment, expenses accounts and the occasional hangover. The loss resulted from the failure of the average engineer or scientist to protect his commercially useful ideas, to appreciate the importance of protection of such industrial property, not only to potential employers, but to the working engineer and scientist.

Major industrial corporations use three main techniques to protect commercially useful ideas: patents, trade secrets and employee contracts. These techniques, though closely interrelated, will be discussed individually, and their relative importance and features noted.

In 1938, before a Congressional Committee, Mr. Conway P. Coe, then the Commissioner of Patents in the Department of Commerce, made the following statement:

“It is hardly necessary to tell you that nearly every major industry in the United States and, for that matter, in the civilized world, owes its existence to inventions once protected by patents.

However, it may be well to remind, if not to inform you, that American agriculture is indebted to the gin (cotton), the reaper, the tractor and many other machines that facilitate larger production of the crops which our farmers must exchange for their own numerous needs.

Communication depends on the telegraph, the telephone and the radio, and other inventions necessary to their successful operation. In the field of chemistry there are vulcanized rubber, celluloid and bakelite as the expressions of immense investments of money and employment of thousands of workers.

Modern transportation, though an industry in itself, depends on some degree on scores of other industries based on patents.

In short, every industry in America depends on some degree on others for its operation and all of them are beholden to patents. Every industry...

(Continued on page 8)

Fancy That! Budweiser lists its ingredients right on the label. Do you know of any other beer that does?

Budweiser
**Human Review**

by Bob Blandford

There are two ends which most people will agree are suitable for an honor system. The first is to insure fair play while in college, and the second is to ensure that the spirit of fair play is carried over into life outside the college. To realize these—the first is to insure equal opportunity for all students and the second is to guide the development of a personal code of ethics in a particular community and fair play in life after college.

Now, there are at least two ways of insuring fair play in college: the honor system as practiced at Tech and the protoring system as it is practiced, for example, at UCLA. Both of these set up an authority whose job is to punish and/or rehabilitate offenders. Both systems try to prevent offenses, in practice mostly by efficient use of their powers and by threats of varying degrees of militancy. It is clear that if there were no violations the honor system would be the better mechanism. All of us at Tech know the reasons: the absence of suspicion, take home tests, and so forth. However, comments like, "The faculty has the honor and the students have the system," and stories about writing on cuffs and bits of paper, which one reads and hears about from students at other colleges indicate that cheating is rather widespread.

**Dishonesty admitted**

This is supported by research condensed in the book, "Changing Values in College Students." There we see that "frequent" cheating is admitted by 10% or more at a large number of colleges, often with no apology or sense of wrong doing. A survey at Cornell, where I believe that students are seldom tempted to cheat in real life after college.

Secondly, we are well indoctrinated at frosh camp where student public opinion is emphasized. Here is a parable to illustrate a point. The transit company of San Francisco was worried about people being brushed off the streetcar running boards. So they put up signs, "Please do not stand on the running boards." Still people stood on them, so the company put up more signs, some saying, "Do not stand on the running boards." Then more when the customers still did not obey saying, "Keep off the running boards." Nothing seemed to work—the customers remained on the running boards. Finally the company called in an engineer. "This seems easy enough," said the engineer. He took off the running boards.

Let me sum the article up to now. In colleges throughout the nation the first goal of fair play is clearly not being attained. In these schools students are essentially being given training in cheating. This situation is clearly detrimental to the second goal: building a moral code for real life. Caltech and similar schools are better off chiefly because of better students and more "cheat-proof" subjects and methods of examination. More lifelike testing

So here comes the small, but I hope well developed difference. In these schools students are essentially being given training in cheating. This situation is clearly detrimental to the second goal: building a moral code for real life. Caltech and similar schools are better off chiefly because of better students and more "cheat-proof" subjects and methods of examination.

(Continued on page 8)

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**Have A Real Cigarette—Have A Camel**

Sure are lots of fads and fashion that one can smoke these days. Look 'em over—then settle down with Camel, a real cigarette. The exclusive Camel blend of costly tobaccos has never been equaled for rich flavor and easygoing mildness. Today, more people smoke Camel than any other cigarette.

So good and mild... the finest taste in smoking!

---

**The Bull Pen**

by Ford Holtzman

Now that fall and the football season are upon us, we are treated regularly to the plaintiff cries of the athletes and their little friends to get out and rocky tool toot for the boys in chartreuse. And all you will get is a collection of plaintiff cries and appeals to your conscience as a law abiding, God fearing, Tech loving citizen. You certainly will not get any good reasons why you should "get out and support the team," because there aren't any.

Some people contend that, by going to the games and throwing a fit in the grandstands, we can help the team win. In the first place, all the yelling in the world can't do much for our football team; even athletes are not such complete egotists that they must have the adulation of the mob to keep them going. In the second place, who really cares whether they win or not, besides the participants themselves. Will it make any difference in anybody's life? If you can find any joy in the team's winning, then it must be a second-hand joy assumed from a spurious association between you and the athletes. Such a joy is pathetic at best. This joy can come only by usurping the glory to which only the participants have any claim.

Others will tell you that by attending athletic events in large quantities we enhance our reputation with other schools. I hate to be a spoil sport, but it is going to take a lot more than that to raise our reputation. The main reason why people in other schools think poorly of us is, purely and simply, due to a jealousy which they feel because of the reputed intellectual capabilities of the Tech student. They would seize upon any available excuse in order to entertain a low opinion of us. We would have to conform completely before we would be accepted. And it's better to have a somewhat unsatisfactory reputation than it is to become another Oxy.

The individual Techman does not have any sort of duty to "support the team." He should do so only if he finds it to be personally rewarding. And I do not see how watching fotball games can be personally rewarding, if we are really honest with ourselves.

As a means of wasting time athletic events are as good as anything else. But you don't have to go to such trouble just to waste time.

As anything else, athletic events rank far below other forms of entertainment. The stage and movies can have a great deal of emotional and intellectual value. Music is completely emotional, but one can get a certain "emotional education" from a good concert. Dancing serves the same purpose, though, perhaps, to a lesser extent. But what emotion can you feel during a football game except excitement or the lack of it? Such a similar form of entertainment as dancing affords, as well as excitement, a myriad of other emotional and intellectual value. Music is completely emotional, but...
George Veazey

From Atchafalaya Swamp, more for your money at the gasoline pump

"Somebody has called this the atomic age. It's really the petroleum age."

"In 1935 America used about 300 gallons of oil products a year per person. Today it's over 800 gallons. The industry has a big job to meet this demand. But we're doing it.

"For one thing, we go farther to find oil. Atchafalaya Swamp here in Louisiana where I head Union Oil's production crew, is a good example.

"Before we start to drill we have to dredge canals to float the rig in. When we drill we often go twice as deep as we did ten years ago. And the number of dry holes is much higher now.

"When we do strike oil, we have to refine it and get it to market. Some of our oil travels thousands of miles by boat, pipeline and truck before it reaches your car as Union gasoline.

"Costs are up all along the line, but we're drilling more wells than ever. In spite of more dry holes, our production is up. And our products are better than they've ever been!"

The problems George Veazey discusses are very real.

Despite them, though, you never got more for your money than you do today at a Union Oil Service Station.

Today, gasoline is 15 octanes higher than it was in 1939, and you get free services with every gallon. The price, on the other hand, has increased only 65% as compared with a 100% rise in the average of all consumer prices.

We intend to continue to bring our customers the best possible products at the lowest possible price.

Your comments are invited. Write: The Chairman of the Board, Union Oil Co., Union Oil Bldg., Los Angeles 17, Calif.
AS I SEE IT

Every team, they say, no matter what sport you're considering, has at least one bad game in its system each season. Some athletic giants, like the Oklahoma Sooners, have the money to weather these "off days" and still come out on top. In the case of Caltech's varsity, nothing could have been further from the truth. It was a bad day for a few key players on a resultant sub-standard team, such as the one administered by Redlands last weekend.

At their best the Beavers could have handled the Bulldogs. Not easily, by any means, but Caltech had the potential to take the game. Unfortunately, the Beavers played dead while the Bulldogs scored three times. But then Tech fought them every bit as hard during the last two touchdowns. Redlands didn't "back into" the victory. They played the better football of the two teams, and fast backs and accurate passers, plus a hustling line that could hit hard when the occasion demanded. As I see it, the team wasn't really "up" for the Redlands game. Let's hope the Pomona-Claremont game is a different story.

In and around the ICU... I defy anyone to predict the outcome of this year's conference football schedule. Redlands, a powerhouse last year, is down to starting nine players, Rock and Flagstaff before overcoming Caltech. Whittier, figured by most to be weaker last but Santa Barbara, then defeated Bowers, 31-0. Pomona has been beaten by Barstow and Occidental defeated Santa Barbara and lost to Cal Poly. It is too early to say anything, look for Whittier and Occidental to battle for the conference crown.

Basketball practice opened this week at Caltech, with new Head Coach Gene Rock directing the workouts. Rock expects the turnouts to be a bit slim for a while, with three of the four returning veterans out for fall sports, but he plans to waste as little time as possible in preparing for the season opener. Does he win against Cal Poly? All interested candidates should report to Rock at 4 p.m. any afternoon in the gym.

Last year's grudge match of the year when Caltech meets Oxy in basketball this season. Two former Occidental athletes, Jacobson and Dick MacAnally, is this Saturday morning at Pomona. The first game for the Varsity squash squad are MVP's Larry Tenn and Phil Thascher, as well as some other hard players. Possible prospects are Dick Djets, Jim Weaver, Glenn Converse, Allen Ricketts, Ken Nakazuchi. The next time they got the ball, they marched steadily for 65 yards to their third TD. They missed the conversion and the score stood 206.

After an exchange of punts and fumbles, Hal Forsen ran a Bulldog punt down to the winners' nine-yard line. Three plays later Forsen went over with one minute to go in the half. He converted, and the score was 267, at the end of the half.

Early in the second half Redlands had the ball on their 36; a couple of plays later, Howard Tipton ran sixty yards to make the score 267. Quickly retaliating, Dick Van Kirk scampered around right end for Tech's second score. The conversion was no good and it was 26-13, Redlands.

During the fourth quarter, although the score doesn't show it, the Beavers tightened up and played better ball. Janawicz scored again on a fifty yard run from scrimmage. He also converted. With six minutes to go in the game, halfback Merv Lovelock intercepted a pass in the Tech territory and ran it back for the final tally of the game. The score stood 32-13, Redlands when the gun sounded.

End Fred Newman was outstanding in defense. His quick return to the team made him a bear on offense also.

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The game originally scheduled for this Saturday at Pomona has been canceled because of the Flu epidemic until Wednesday, Nov. 27.

Beavers bow to Bulldogs 39-13

The Redlands Bulldogs, eager for their second straight conference championship, overwhelmed the Caltech Varsity, 39-13, last Friday night at the winners field. This was the league opener for both teams.

Redlands took the offensive right away, driving to a touchdown from the opening kickoff. Tim Burroughs went over for the Bulldogs less than six minutes after the whistle. Redlands scored twice more before the Beavers managed to wipe goose egg from their half of the scoreboard.

The Bulldogs tagged again in the first quarter on a pass play from John Janawicz to Ken Nakazuchi. The next time they got the ball, they marched steadily for 65 yards to their third TD. They missed the conversion and the score stood 206.

After an exchange of punts and fumbles, Hal Forsen ran a Bulldog punt down to the winners' nine-yard line. Three plays later Forsen went over with one minute to go in the half. He converted, and the score was 267, at the end of the half.

Early in the second half Redlands had the ball on their own 36; a couple of plays later, Howard Tipton ran sixty yards to make the score 267. Quickly retaliating, Dick Van Kirk scampered around right end for Tech's second score. The conversion was no good and it was 26-13, Redlands.

During the fourth quarter, although the score doesn't show it, the Beavers tightened up and played better ball. Janawicz scored again on a fifty yard run from scrimmage. He also converted. With six minutes to go in the game, halfback Merv Lovelock intercepted a pass in the Tech territory and ran it back for the final tally of the game. The score stood 32-13, Redlands when the gun sounded.

End Fred Newman was outstanding in defense. His quick return to the team made him a bear on offense also.

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The Sports Beat

by Steve Kinnaman

Near the end of last term and during the first two weeks of this one, there was much discussion on dropping interhouse cross-country in favor of some other sport. This is okay except that no one yet has come up with a sound "other sport." Wrestling has been suggested, but no one knows how to approach it. The problem is, it does not work out too well in practice. In the first place, I doubt that there are more than a dozen students interested. A lot of people know enough about college wrestling to compete in a meet, even an interhouse meet. This means that about thirty men must be taught how to approach the sport and when. In the second place, since there are about eight weight classes, one man from each house can only be assigned to one of the interhouse wrestling match should only take about six hours. I doubt if there are very many people who are so interested in wrestling that they are willing to spend a half hour of their own precious time. Bowling, even though it is a discobolus sport, and there is a bowling trophy which has not received much attention. This is a sport which almost everyone in school enjoys and plays. It would be no trouble at all for a house to get up the necessary five men it takes to make a team.

There are, however, a few drawbacks. One is cost. If a man were to bow to anything but interhouse games and then games in competition, this would cost him about $12.00, assuming forty cents a line. The individual house could pay all or part of the costs. If it were to pay for all the competition games of its members, this would run each house about $25.00.

Another thing is that several years ago bowling was an interhouse sport. The main reason that it no longer exists is that the bowling matches rapidly turned into crew races. This is by far the greatest drawback in interhouse sports. However, if all the houses are so violently opposed to cross-country, I can see much harm in dropping any one sport. If we are still interested in any sport such as wrestling or bowling or ping-pong or even nothing if cross-country is really odious.

Soccer team to start season on another uncertain footing

By the numbers of returning lettermen and ex-
PATENTS

(Continued from page 4)

individual in the United States, young or old, rich or poor, is in some form from birth to death, a used and a beneficent name of patents. Indeed, it would be all but impossible for any of us to free ourselves from this daily dependence on patents, for our very escape beyond the confines of civilisation would itself require the use of some patented invention.

What is this patent that is so important? Where did it come from? What does it do? And how do you get it?

Article 1, Section 8 of the Constitution provides in part: "The Congress shall have the power . . . to promote the progress of science and useful arts by securing for limited times to authors and inventors the exclusive right to their respective writings and discoveries."

Based on this provision, a number of Patent Laws have been passed whereby the inventor has, for a period of seventeen years, the exclusive right to use, make and sell his invention. A patent is a contract between the Government and the inventor wherein the Government tells the inventor the power . . . to promote the progress of science and useful arts by securing for limited times to authors and inventors the exclusive right to their respective writings and discoveries."

In the case of a patent, the inventor or at least the stockholders of the corporation employed by the inventor to make more than one trip to Paris, Rome or the sinful islands of the South Pacific. The advantages to such a system are obvious. The patent on a transistor, the boty pin or the aerosol bomb has enabled the inventor or at least the stockholders of the corporation employing the inventor to make more than one trip to Paris, Rome or the sinful islands of the South Pacific. The advantages to such a system are obvious. The patent on a transistor, the boty pin or the aerosol bomb has enabled the inventor or at least the stockholders of the corporation employing the inventor to make more than one trip to Paris, Rome or the sinful islands of the South Pacific.

Next time I'll try to give one or two practical suggestions which could be taken up quickly here at Tech.

In his invention and return the Government grants a patent. Once you have obtained this patent for your invention you can prevent anybody else in the United States from making, using or selling your invention. The advantages to such a system are obvious. The patent on a transistor, the boty pin or the aerosol bomb has enabled the inventor or at least the stockholders of the corporation employing the inventor to make more than one trip to Paris, Rome or the sinful islands of the South Pacific.

The research being done by Dr. Yusuf A. Yoler is significant not only to himself, but to General Electric and the security of the nation as well. At present, the company is participating as a prime contractor on three of the four long-range ballistic missiles pro-

“...in every other field of endeavor—depends on how well young minds meet the challenge of self-development. At General Electric there are more than 29,000 college graduates, each of whom is given the opportunity to develop to his fullest abilities. In this way, we believe, everybody benefits—the individual, the company, and the country."

Californian cherry. To the soul of one Kay-taro Sugahara we pay our humble tribute in the form of the smoothest gin drink this side of New Rochelle.

Sugahara Sling

1 1/2 jiggers dry gin
1 jigger fresh lemon juice
1/2 jigger Cherry Brandy
1/2 jigger Creme de Cassis
1 ounce sweet soda

The drink should be mixed in a tall slender 10 oz. glass filled with fresh cracked ice. The gin is the base of the drink and is added first, followed by the lemon juice. The Cherry Brandy and the sweet soda are then added at which point the drink is stirred well with a long, frosted spoon. The Creme de Cassis and an orange slice. To the soul of one Kay-taro Sugahara we pay our humble tribute in the form of the smoothest gin drink this side of New Rochelle.

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