Ricketts wins art contest

Calltech takes fifth place in Putnam exams

Caltech's team took fifth place in the twenty-sixth annual William Lowell Putnam Mathematical Competition, administered at Caltech November 20.

The team, composed of graduating junior Vern Poythress, junior Stacey Langton, and sophomore Illana Eisen and tying for the dollars for each of their members and $100 for the Math Department.

Non-team highest

The highest scorer across the spectrum was from Calltech was a non-team score, that of senior Richard Stanley, who placed 10th out of the 1500 contestants, winning $50 Poythress lead the team, finishing fifth: Poythress, senior Glen Gruenbrein, David Chu, and Kim Gibson all received honorable mention from the Putnam Committee.

Better losers

Finishing in the top five were Harvard; MIT, University of Chicago; and Princeton. The first team won the contest.

The Putnam examination is a 6-hour test for mathematical talent sponsored by the Mathematical Association of America. It is open to sophomores and above.

The Putnam exam is on the second Saturday of November.

Come alive at the CIT-Scripps

by Joel Goldberg

The Caltech-Scripps Conference, sponsored by the YMCAs, is being held today. As always, there will be discussion, fun-and-games, and lots of Scrippsies. But this year's emphasis will be more on the fun-and-games, and less on discussion, depending on the last weekend of February 11 and try to make it.

The entire weekend will be centered around the work of Miss维达Sponji, author of "Imagin..."n for the Theatre and a visiting lecturer in theatre arts at Sarah Lawrence College. The weekend's theme, "Coming Alive." At the Seattle World's Fair, "the is the leading innovator in the use of dramatic techniques in education in the. This week's program will consist of experimental encounters with, an emphasis on communication and entertainment. Presented by John Walter, Lloyd; Bill Colfat, Pages, and Stuart Gallery, Ruddle.

BRIDGE TOURNAMENT

For the second year of Caltech will be competing in the National Inter-Collegiate Bridge Tournament. Regional games will be played in Winnette, Tuesday, February 7, through Wednesday, February 8. Further information and sign-up list on Winnette bulletin board.

Ricketts House members pose by first place winner "Snake and Turtle" in the Milikan Art Contest.

The first annual Milikan Art Contest was sponsored by Mr. and Mrs. Robert Huttenc- back, Master of Student Houses, concluded as a great success Monday afternoon with 16 total entries. First place in the main division went to Ricketts' "Snake and Turtle" entry, while second and third place in the same division went to Ricketts' "Spy" and Flemings' unnamed 2nd place entry. Flemings' winning entry was exhibited in the general arrivals, while the second and third place entries in the general arrivals were the winners $20, $25, and $10 respectively

Press, or coverage

In addition to drawing television coverage from CBS on Sunday, the contest also attracted reporters and photographers from the Los Angeles Daily News and the Scripps.

"The judges all agree that this is an outstanding display of artistic talent," said Huttenc-back in his introductory speech. He con- tinued by stating that the art contest showed that "when the right student is given the right guidance, he does it...or something"

Bagpipe music

The bagpipe judging started promptly at 2:30 and was completed by 2:45 p.m. with the entitlement of the Inter-Institutional Scottish bagpipe numbers. The judges, Dr. Robert Wurtz, Curator of the Millikan Museum, Mr. Morris Smith, director of the Art-Museum of Pasadena, and Mrs. Jennifer Ross, artistic advisor for the Division of Humanities and Social Sciences, re-}
Help planned parenthood!

It's ASCIT Charities Drive time again, and while you ought to contribute to all three charities, please give a little extra to Planned Parenthood. Although it has caused much humor on campus, the Planned Parenthood drive has the serious acceptance of most of us. Last year it garnered more money than the other two, and the ASCIT BOD made a special motion to have it included in this year's drive.

No one disputes that serious problems are going to arise due to the world's population growth, but few do anything about it. Planned Parenthood does. While the alternatives may not be restricted to birth control or the Bomb, contraception is an economical, practical, far-sighted way out. Let's give it the support it deserves.

—Berry, Hendrickson, Greenfeld

By-Laws amendments pending

The ASCIT executive Committee has brought forth a series of amendments to the ASCIT By-Laws along with a complete new articulation and defining the powers of the Interhouse Committee. All of the amendments must be voted on by the Student Body and a two-thirds majority is required to be passed. Many of the By-Laws are on the IHC promiss to be the most controversial. As of now the IHC is not much involved in the By-Laws. The Interhouse Committee claims that the IHC is a functional body, created before and independent of the ASCIT Executive Committee.

Let the IHC exist!

Basically the clause defines IHC membership and times for meetings. The problems arise over Jurisdiction. Section 2 defines the IHC as covering anything that affects all the houses — including freshman rotation and the Interhouse sports program — but nothing that affects the houses of only one house. A clause that will probably be stricken concludes that "in any question of jurisdiction of the Committee, the Executive Committee shall have the final authority."

Dullness

The rest of the changes were made more solid and many of them minor. The more important modifications concern ASCIT elections. If the amendments pass, nominations for offices will be open for one week instead of five days and nominations shall be closed by the BOD at least one week prior to the elections. Also with the new changes the Vice-President and Board of Control Secretary will be installed at the beginning of third term rather than the end of second term.

Open to suggestions

According to Dave Close, Exec Comm chairman, "I would always be willing to listen to those views that I view preconceived notions," which basically amounts to an invitation for other changes or suggestions.

The complete list of amendments may be found posted in each house.

—Berry, Hendrickson, Greenfeld

Graduating Engineers and Scientists:

LOCKHEED MISSILES AND SPACE COMPANY

will be interviewing on campus February 1. Contact the Placement Office for your interview appointment.

An equal opportunity and F/M employer

 california tech

Published weekly during the school year by the Associated Students of the California Institute of Technology, Incorporated.

Editors-in-Chief
Bob Berry, Norton Greenfield, Tim Hendrickson
John Middeletch, Feature Editor
Peter Salint, Sports Editor
Ric Orr, Copy Editor
Judji Kelly, Typist
Fran McConnell, Staff

California Tech, 1201 East California Blvd., Pasadena, California 91109.
Represented nationally by National Advertising Service, Inc.
Printed by Bickley Printing Co., 7th & Aliso Ave., Pasadena—SY 2-6994.
Subscriptions: $1.50 per year. Life Subscription, $10.00.

California Tech, 406 E. Colorado Blvd., Pasadena, California 91109.
Represented nationally by National Advertising Service, Inc.
Printed by Bickley Printing Co., 7th & Aliso Ave., Pasadena—SY 2-6994.
Subscriptions: $1.50 per year. Life Subscription, $10.00.

California Tech, 1201 East California Blvd., Pasadena, California 91109.
Represented nationally by National Advertising Service, Inc.
Printed by Bickley Printing Co., 7th & Aliso Ave., Pasadena—SY 2-6994.
Subscriptions: $1.50 per year. Life Subscription, $10.00.

California Tech, 1201 East California Blvd., Pasadena, California 91109.
Represented nationally by National Advertising Service, Inc.
Printed by Bickley Printing Co., 7th & Aliso Ave., Pasadena—SY 2-6994.
Subscriptions: $1.50 per year. Life Subscription, $10.00.

Edited by Woodbury and Dr. Hallett

Smith were unhappy that the Tech's story on the Spectrum series which appeared on Jan. 31 said that H40 credit for attending the series is available for "minimal outside work." Actually the work is not minimal — it involves reading five books plus a five-page paper or an oral exam each term. That's standard H40 work. Would it be possible to see that future reference to credit for Spectrum does not stick in the term "minimal"? Many thanks.

Tom Hoff

Ek: note: Well, that's minimal for, say Ma 2.
Smith speaks of magnetic fields, charged particles

by McCord

Thursday, January 27, 1966

I am also a member of the YMCA Indian Guides; in fact, I'm one of their elders." With these words, Dr. Edward J. Smith of JPL (who looks vaguely like George Gobel) began a verbal tour of the magnetic fields and charged particles in outer space Monday night in Beckman.

Interaction

Smith's main emphasis was placed on the interaction between the magnetosphere, a "cavity" within the interplanetary plasma created by the geomagnetic field, and the interplanetary magnetic fields and solar winds. On the sunward side of the earth the impact of the solar wind on the geomagnetic field forms a shock wave somewhat like the bow wave of a boat. On the dark side of the earth the earth's magnetic field is stretched out to an unknown distance creating an overall tearing effect. There is much yet to be known about the earth's magnetic field.

Within the magnetosphere, although there is a current circling the earth which sets up an opposing field, the dipole magnetic field of the earth dominates all charged particles; it holds trapped particles in the Van Allen belts and reflects particles impinging on it from the outside. In the interplanetary medium there is a magnetic field about one-tenth as strong as that of the earth. It originates at the sun and spirals outward. This interplanetary magnetic field creates a "cavity" within the galactic medium, somewhat like that of the earth.

Also emanating from the sun is the solar wind, a continual unsteady flow of plasma outward from the sun. Actually this wind is an extension of the sun's corona which goes far beyond the orbit of the earth.

Radialism

Upon crossing the earth's shock wave both the solar wind and the interplanetary field become radially disrupted. Consequently there exists between the shock wave and the magnetosphere a transition area, where there are extreme fluctuations of magnetic fields and plasma concentrations.

Overall, Smith presented a picture of outer space not as a void, but instead filled with charged particles and magnetic fields in interesting configurations.

The University of Alabama's nationally ranked debate team will clash with Caltech on Wednesday, February 9, as part of the Caltech-Alumni Assembly Series. The Alabama team, with their coach, Miss Annabel Hage, will fly into Los Angeles early in the week.

The two teams, composed of Russell Drake and Fournier Gale representing Alabama, and Dave Clove and Fred Lamb of Caltech, will debate the proposition: "Resolved that law enforcement agencies should have greater freedom to investigate and prosecute crime," at 11:30 a.m. in Winnet.

ASCIT president Fred Brunsvig will present a welcome, and the Caltech coach, Mr. Herb Booth, will explain the proposition briefly and introduce the debaters and judges.

Caltech faculty judge

Callcoh faculty judge of the debate will present two constructive follow-up to the rebuttal of the other team, and will have last word at 9 minutes overall. At the close of the contest, the three judges, President Professor R. Noll and Dr. Robert Underreiner, both in economics, will public comment on the debating team.

Following the debate, the Alabama squad will eat lunch in Bodock.

If you are receiving your M.S. or Ph.D. during 1966, we invite you to join this select group. At TRW you will work on major projects such as Pioneer interplanetary spacecraft, OGO satellites, Mars mission studies, Apollo/LEM descent engine, LEM inertial guidance system, underwater defense systems, communications for military and commercial use, advanced ballistic missile studies, Vela nuclear detection satellites, advanced space probes, and Apollo mission planning and analysis.

TRW will assist you in your career planning by encouraging you to continue your development through the many educational opportunities offered by major colleges and universities in the Los Angeles area. You may participate in TRW's Development Programs as you assume greater responsibilities.

Please make arrangements with your Placement Office for an interview, or you may write College Relations below. TRW is an equal opportunity employer, male and female.

M.S. and Ph.D. Graduates at TRW help man to...
Brass and Steele Laboratory

Steele Laboratory of Electrical Engineering will be dedicated April 4, still ornamented by the modernistic brass sculpture of Hollywood actor, David Wilkins. This new million-and-a-half dollar facility sits north of Room 30 of the Center houses of several unique features.

Intended primarily as a research facility, Steele only has one classroom, one lecture room, a conference room, and a library. The space on its five floors (three above ground) is primarily taken up by labs. Several of the labs have adjoining clean-rooms, rooms with a positive pressure inside to prevent dust from being blown in. Electrical power is distributed to each lab by means of bus ducts which allow any number of circuit breakers to be installed in any one lab. Also, many of the labs are connected by communications trays which allow experiments in one lab to be tied to experiments in one or more other labs.

As a safety precaution, it is necessary to go through the first floor hall when going up or down the stairs. Thus, in the event of a fire people coming up from the basements or down from the upper floors will be reminded that they are on an exit level.

Taboos of yesteryear rediscovered by Blacker

by Jeff Hecht

Kenneth H. Swart, the first president of Blacker House, from 1931 to 32, mailed Blacker a former Institute publication, "Taboos or not Taboo," about two weeks ago. He felt that it would be highly interesting to the men of Blacker to see what life was like in the Student Houses 35 years ago.

Since it was a publication of the distant past, it was difficult to trace down its origins. Finally, however, Dr. Donald H. Clark, director of placements, was able to give some information on it and other aspects of the Student Houses in the first years of their existence.

R. A. Clark

Clark was a Resident Associate for seven years, beginning in 1931, and was a good student when the old houses were built. He, also, had a copy of "Taboo or not Taboo" of an earlier edition, and said that the one sent to Blacker was the second one he'd seen.

He believes that the pamphlet was put out by the Institute to help students learn aspects of good conduct that they couldn't get at home. It was put out in the first year of the old Houses, and went through several editions. He considered it "a darned good idea."

Pre-Emily Taboo

The most interesting rule in this booklet states: "Girls unaccompanied by a chaperon shall not be taken to men's rooms." Times have changed. Perhaps, in 35 years, Cal tech has made a bit of progress.

Talking with Clark brought out some interesting facts about the early days of the old Houses. Originally Resident Associates were faculty members selected by Dr. Robert A. Millikan, then Chairman of the Board of Trustees, and were purely advisory. After advice failed to stop an overflowing fire people coming up from the basements or down from the upper floors will be reminded that they are on an exit level.

Ford Motor Company is:

diversity

The college graduate's initial exposure to the world of business is often less than exhilarating. The reason? A great many companies require the recent graduate to serve a long-term apprenticeship in a role that offers little or no opportunity to demonstrate personal capabilities. That is not the way at Ford Motor Company. Our College Graduate Program brings you into contact with many phases of business, encourages self-expression and helps you and us—determine where your greatest potential lies. An important benefit of the Program is getting to know and work with some of the most capable people in industry. One of many young men who believes he has gained tremendously from this exposure and experience is Larry Moore, a Product Design Engineer.

After receiving his B.M.E. in February, 1964, Larry joined our College Graduate Program and began work in brake design. Stimulating assignments followed in product evaluation and disc brake development. Later, he learned production techniques while supervising one phase of the Mustang assembly line operations. An assignment in our Truck Sales Promotion and Training Department added still another dimension to his experience. The "big picture" of product development was brought into focus for Larry when he became associated with Thunderbird Product Planning. From there he moved to the Special Vehicles Section... into the exciting world of high-performance cars!

Currently, Larry Moore is on leave of absence, studying to acquire his M.B.A. degree at Michigan State. He feels—and rightly so—that we're 100 percent behind his desire to improve his educational background. Young men with talent, initiative and ambition can go far with Ford Motor Company. Think about it—and talk to our representative when he next visits your campus.

The American Road, Dearborn, Michigan

The American Road, Dearborn, Michigan

An equal opportunity employer

APPEARING NOW THRU JAN. 6

CHAD MITCHELL BY HIMSELF

COMING FEB. 8 BURFY SAINTE MARIE

FEB. 15 JUDY COLLINS

WITH PATRICK SKY

At... Doug Weston's Troubadour

9023 Santa Monica Blvd., at Delancy, L.A.

TRIOBANANNYS ARE HAPPENING MONDAY

Students, if you need HELP in fulfilling your language requirement inquire about tutoring services at BERLITZ.

The LANGUAGE CENTER

170 South Lake Ave.

Pasadena

SV 3-5988

An equal opportunity employer
Flying club off the ground

The Aero Association of the California Institute of Technology sponsored Wednesday the hear president Dave Cartwright announce that "we'll be incor-
porated as a nonprofit corporation under the laws of the State of California by Monday morn-
ing."

This announcement culminates a year of work on the part of Cartwright, scribe Don Litt-
menthal, Dave Wootten, Professor Peter Lissaman, the late Clark H. Millikan, and various people in the Administrative Of-
fices to raise enough money to start a flying club here at Cal-
tech. By the end of last quarter, several thousand dollars had been pledged by Trustees and friends of the Institute, and plans were set in motion for the purchase of a new or used air-
craft.

Incorporate first

But first the club had to in-
corporate and become an integ-
ral part of the Caltech com-

munity both to limit the liability of the individual members and to enable potential backers to claim the club as a tax deduc-
tion. Officers were elected at a November meeting and the By-
Laws Committee chaired by Nick Ault reported back three weeks later with a 16-page document which, after considerable debate, was amended and accepted. The Aero Club was in operation!

Powerful committee

One of the most unusual fea-
tures of AACT, compared to other flying clubs, centers about the operation of the Flight Standards Committee, Peter Lin-
gine, the club's flight Director and therefore the chairman of the FSC, explained that this com-
mitee is charged with supervising

the continued competence of all who fly aircraft and with assigning responsibility in the

event of an accident.

The club decided Wednesday to proceed with the purchase of a brandnew, instrument equipp-
ed, Cessna 150 two passenger aircraft. This aircraft has en-
joyed a fine reputation both for training and sport. Treasurees Bob Edelson and Darce Iacuei-

fixed the "break even point" at

less than two hours of flight time per member per month. That is, any member of the Caltech Com-
munity who flies more than two hours a month will save money by joining AACT. A new stu-
dent pilot could save well over $200

his private ticket slate.

Aviation safety

The purpose of the club is not to save money, however. The club expects to be active in the training of new pilots; plans are under discussion for setting up a ground school. The club has set as a primary goal the promotion of aviation safety, both among its members and in the community. With the imag-
inative guidance of members of the Aeronautical Department the club hopes to participate in the

limited design and building of experimental gliders and acreo-

bital aircraft.

Those who are eager to look down on the sky blue and the air is clear and to become a part of what is without a doubt the most stimulating and challenging of all sports are urged to con-
tact Dave Cartwright or Bill Crel-
lin or to see any of the other club officers.

Homes for sale

Victoria farm house
$124.25 per month, including inter-$

2½ bedrooms and panelled den
Charm and character
Surrounded by large trees and
white picket fence
An excellent buy in Sierra Madre

Open 3-5 Saturday Jan., 30
145 South Lima

Quality home in

top Linda Vista area
Three large bedrooms
Secluded den w/fireplace
Two large baths
2½ years old
Swimming pool
Built-in kitchen
Close to excellent schools
5 minutes from JPL
15 minutes from Tech

Two remodeled homes in Linda
Vista with tree-house view
Two bedrooms
Large brick fireplace
20,000 sq. ft. int.
$27,500

Two bedrooms
Built-in kitchen
Dining room
Living room with fireplace
All carpeted
$32,500

Sprawling Spanish house
Two large master's suites
at
Older home w/all modern con-
Downstairs family room
venience
w/fireplace and view
Separate maid's room w/bath
All new kitchen
Lawn, dining room, large
greatly, living room

Cynthia Rusch
John Gech Realty
449-1181
799-9482

AEROSPACE CORPORATION
A SUBSIDIARY OF LTV CORPORATION INC.
DIVISIONS: LTV AERONAUTICS • LTV MICHIGAN • LTV RANGE
SYSTEMS • LTV VOUGHT AERONAUTICS • KENTRON HAWAII LTD.

Thurday, January 27, 1966 CALIFORNIA TECH Page Five

Homes for sale

Victoria farm house

$124.25 per month, including interest
2½ bedrooms and panelled den
Charm and character
Surrounded by large trees and white picket fence
An excellent buy in Sierra Madre

Open 3-5 Saturday Jan., 30
145 South Lima

Quality home in

top Linda Vista area

Three large bedrooms
Secluded den w/fireplace
Two large baths
2½ years old
Swimming pool
Built-in kitchen
Close to excellent schools
5 minutes from JPL
15 minutes from Tech

Two remodeled homes in Linda Vista with tree-house view
Two bedrooms
Large brick fireplace
20,000 sq. ft. int.
$27,500

Two bedrooms
Built-in kitchen
Dining room
Living room with fireplace
All carpeted
$32,500

Sprawling Spanish house
Two large master's suites
at
Older home w/all modern conveniences
Downstairs family room
w/fireplace and view
Separate maid's room w/bath
All new kitchen
Lawn, dining room, large
greatly, living room

Cynthia Rusch
John Gech Realty
449-1181
799-9482
Interhouse football ended this weekend with unexpected results. Page, completely overwhelming all opposition, easily took first place. Fleming moved up to second on the basis of its strong defense. Ruddock faltered on its inexperienced defense and could come in third. The other teams were no match for the first three, and they scrambled among themselves to finish fourth. Lloyd, fourth, then Blacker and Ricketts tied for fifth, and Danberry last.

Page beats Ruddock

One of the important games of the season took place last Wednesday when understrength Page met Ruddock. The game looked like it might turn into a rout. Page moved swiftly through the porous Ruddock defense to score three touchdowns and lead 20-0 at the half. But in the second half Ruddock came to life. Turning back a Page attack, the blue scored twice to tighten up the game. Ruddock did not have the stamina, though, to tie up the game. In the fourth quarter Page scored again to put the game out of reach, 30-12. Lloyd eked out a 30-22 victory. Blacker scored on its first offensive play on a pass to Jerry Austin. The team then marched back and forth across the field. Lloyd made good use of its spread formation, Blacker could never solve this weird offense.

The last game took place on Monday between Fleming and Ricketts. It was Fleming all the way, as the Fleeps bottled up the Scarves completely to win 36-0. Ricketts tried to make a comeback using sweeps, double-reverses, and double passes, but could never quite make it to the end zone.

Fleming edges Lloyd

On Thursday, Fleming got a rare home game from Lloyd. The Fleeps barely escaped with a 7-6 win. Neither team could move the ball well; there was no scoring at all at the half. Lloyd, in the second half, Ruddock came to life. Turning back a Page attack, the blue scored twice to tighten up the game. Ruddock did not have the stamina, though, to tie up the game. In the fourth quarter Page scored again to put the game out of reach, 30-12

Blacker, Page tie

On the same day, two of the lower division teams, Ricketts and Blacker, played to the only tie of the season. It was an offensive show all the way, with Ricketts forging into the lead and constantly keeping above one TD ahead. Blacker came back from a seemingly hopeless situation to tie the game at 26-26 with only seconds to spare.

Fleming's Ed Lloyd

Lloyd eked out a 30-22 victory. Blacker scored on its first offensive play on a pass to Jerry Austin. The teams then marched back and forth across the field. Lloyd made good use of its spread formation; Blacker could never solve this weird offensive play.

The last game took place on Monday between Fleming and Ricketts. It was Fleming all the way, as the Fleeps bottled up the Scarves completely to win 36-0. Ricketts tried to make a comeback using sweeps, double-reverses, and double passes, but could never quite make it to the end zone.

Today's challenge at AC—the universe! As a member of the AC team, you'll be one of the crew, a guardian of men working to advance the state of the art of guidance and navigation.

You'll work in research, design and development on such advanced projects as an inertial guidance system for supersonic aircraft; an guidance system for the 35,000-ton heavy truck; vehicle, guidance/navigation systems for Apollo and advanced fire control systems. Step up to the challenge, and move up with AC. For your opportunities for growth and advancement depend on your abilities and your initiative. AC offers an "in-plant" course covering both technical and management properties. A tuition plan pays your tuition costs while you complete college-level courses.

If you are now completing your BS or MS in a Guidance program, we invite you to inquire about opportunities at any of our three locations: AC in Milwaukee—our Research, Design and Manufacturing Facility; AC in Boston—our Research and Development Laboratory specializing in Advanced Guided Systems Components and Avionics Navigation/ Guidance Systems; AC in Los Angeles—our Research and Development Laboratory specializing in Advanced Airborne and Spaceborne Guidance, Navigation, and Control Systems.

AC Electronics

Intramural sports provide a relaxed opportunity to test yourselves against the best. If you're looking for something different, there's an intramural sports program for you. If you're the sort who enjoys competition in a team setting, there's a league for you. If you're the sort who enjoys competition in a team setting, there's a league for you. If you're the sort who enjoys competition in a team setting, there's a league for you. If you're the sort who enjoys competition in a team setting, there's a league for you.

The universe is your oyster at AC

For further information, see your college placement officer regarding their local intramural sports program.
Thursday, January 27, 1966

C A L I F O R N I A  T E C H

Injuries riddle hoopsters

The injury-ridden Beavers dropped two more contests in the past week. Captain Jim Pearson missed both games with a pulled thigh muscle. Don Blair and Doug Hofstadter are still recuperating from an assortment of ailments.

Rough CEC

At Thousand Oaks, Caltech could stay even with Cal Lutheran only early in the first period. The Kingsmen, averaging 14 inches higher than the Beavers, dominated both backboards and pulled away steadily after the first few minutes. The final score was 86-69. (The tough Kingsmen have already won three games against SCIAC teams.) 

Terry Bruns was high scorer for Caltech with 18 points, and John Tucker, playing regularly for the first time, accrued 12.

Sloppy Oxy

Tuesday night at Glendale the Beavers inspired defense matched most of the first half. Occidental, the league leader, led by only 64-58. But the Trojans faltered in the second half, and Oxy kept increasing the lead to 115-73 at the end of the game. Despite a yeoman effort on the part of the Beavers, the game became a comedy of errors. A total of 86 free throws were attempted by the two teams. The Beavers hit on 37 out of 53, a respectable percentage. Bruns led the team once again with 17 points.

UCR invades Caltech on Friday, then there will be a slight layoff until the end of the season, when play will again resume.

Blacker wins in Discobolus

Blacker rolled over the mighty Fleming machine in tennis for the Discobolus trophy Saturday. The first and second singles were played in the morning, and the third and fourth doubles match were played in the afternoon. In first singles, Fleming’s Roger Davidsheimer, playing a superb game, defeated Blacker’s highly rated Wayne Pitcher 6-2, 6-1. But then David McCormick evaded the match at one all by defeating Fleming’s second man, Rich Tuston, by similar scores of 6-2, 6-1.

The confidence of Blacker’s athletic manager, Shil Ma, in his team was visibly shaken with the defeat of Pitcher and Rich Fruin’s (Blacker’s fourth singles man) failure to appear after lunch. Fritz finally showed up fifteen minutes before the match was to start, and defeated Kubitz 6-2, 6-2.

In the doubles match, a controversy arose whether the match was to be the best of three sets or a pro set of eight games. Fleming’s team of Tenny and Gibson wanted to play a pro set, but Blacker’s team of Booth and Erlich wanted to play the best of three sets. A coin was flipped with Fleming winning the toss. After losing the first three games, Booth and Erlich finally settled down and won the next eight.

This clinched the match for Blacker, but Randy Harlson of Fleming and Frank Pace of Blacker played out their match with Harlson defeating Pace 7-5.

Donahue is next to challenge. The challenge was made in softball, soccer and table tennis. Blacker will probably accept in softball.

If you’re looking for a nice comfy place to work after graduation, forget about General Electric.

We don’t have any place where you can cut up and move away the next forty years of your career. There are no quiet little nooks in any of General Electric’s 130 operating businesses in 19 countries round the world.

But if you’re the wide-awake type, G.E. can provide the excitement to keep you that way. Your first assignment may be helping find applications for a whole new family of plastics recently developed by G.E. Or you may be working at Cape Kennedy on the Apollo moon program. Or you may be working on the marketing team for a new home appliance.

Progress is Our Most Important Product

GENERAL ELECTRIC
The YMA is sponsoring the second annual edition of the Polytechnic-Military Exercises (PAME) scheduled to take place on the first weekend of February. The object of these games is to try to simulate what would actually occur in a given political crisis. To this end, committees representing various countries are set up, isolated from one another, and are given a scenario which presents a certain political crisis situation.

The countries then send out messages indicating certain actions which, as we see, events are sent out relating to actual events. From this country that follows, a general situation emerges. In order to be sure that the countries follow actions similar to those that would actually be taken, a board of control is set up that has the power to reject the dispatches if it feels that they are not realistic. The results obtained are sometimes quite unusual, and always interesting, especially when these results are later duplicated in actual history.

Lucky Prediction

Last year a Rhodesian crisis was the subject of the scenario; this year the action will shift to Southwest Africa. Tentatively, eight forces will be represented: the United Nations, United States, United Kingdom, USSR, China, the Union of South Africa, Portugal, and the OAU. Dr. Edwin Munger, professor of geography and an expert on African affairs, will write the scenario and be on the board of control.

A central committee composed of students working in conjunction with the YMA will organize the exercises. The number of students who will be able to participate in the games will be about 100, with 50 on the member nations (including girls from other schools), about 20 messengers, girls acting as secretaries, and others on the central committee and board of control.

Faculty, too

Faculty will also be active, with one professor in each national bloc, and several on the control board. The time duration of the game itself will be from 9 a.m. to 6 p.m. on Saturday, and 9 a.m. to 12 p.m. Sunday. Students interested in participating can still contact the YMA.

On a quiet Saturday morning at the Residence of the Gods, behold the species Graduatum Humanum working on his sitting chair in the tumbling circle near the Generator of Particles, thereby blocking all greater than he from easy passage. Behold the sudden evidence of discrete thunderstorms, in the form of eight of the Mighty, led by the great Luther, armed to the hilt with discrete ram. Behold the vanquished Ghouls, quite unlike to Slink out of his carburetor, hair, red tool box. Lesson for the day: be ye not insen­ sate of your fellow man, especially if you be a Graduatum Humanum.

Check, Chuck

Check copies the water Ghoul, a participant in the Batphony contest, feverishly entering at the very last minute, with a combination psychoty out be the con­ cert one. Enter he of the brown

Live with Scrippsies

Continued from page 1)
planned for 60 Technem, 60 Scrippies, and 30 faculty from both schools. For a future $13, and a little bit of luck, you too can be one of the 60 to get away from the joys of Caltech life. No need for experience has shown that well over 60 Technem want to go.

This year, in order to avoid the usual curse of early morning Technem lining up to register, and in order to avoid the endless cartography that young innocent Technem are forced to cut class in order to be in the registration line, the omnipotent and powerful planning committees have decided on a semiautomatic selection procedure. Signups for everyone who wants to go will be held tomorrow in the Y office, beginning at 10 a.m. Registration will close at 4 p.m. or upon the filling of all 60 places, whichever comes later.

If more than 60 people show up before 4, the committee members, more equal than everyone else, will be accepted, the remaining 40 or so places will be filled randomly, without regard to time of signup. So don't form a huge line at 3:45, because it won't do any good to be first.

Everyone who signs up tomorrow must bring along $13 to show that he really wants to go (re­quest of money if he is not selected) and a pen to fill out an application.

Prash (and sippermum) who don't know about Caltech-Scripps Conference should ask their UCC's or other knowledge­able Technem about the great event. The Y office tomorrow to sign up.