

ASCIT Charities Drive Begins

BY WALLY YIRBOCKY

Want to feel like a Rockefeller? Win friends and influence people? Be successful with women? Add a full point to your GPA? — Of course you do! Who the hell wouldn't? Well, read on! Maybe somewhere in these lines is the secret to health, happiness, and prosperity.

Starting Tuesday, January 12, and running until Friday, January 15, is the annual ASCIT Consolidated Charities Drive. So maybe you can't do anything about your own miserable existence. You can still help make someone else's better. This year's charities are the World University Service, the Planned Parenthood Federation of America, and the National Multiple Sclerosis Society.

The reward for the most generous House, as usual, is a steak dinner, served this year by the all-star cast of Professors Waser, J. K. Clark, Sweezy, Sharp, Corcoran, Apostol, Owen, and Knowles. These good gentlemen are giving freely of their time and dignity. What say we give a little of our money?



Joan Tompkins with Donald Elson will narrate and pantomime a selection of "Gobble-Up Stories" written by Dr. Oscar Mandel on January 16 in Dabney.

Psychology Prof Chosen As Y Leader

BY LYNN MELTON

Dr. Abraham H. Maslow, Philip Meyer Professor of Psychology at Brandeis University, will visit Caltech January 20-22 as the first Y Leader of America of the year.

Maslow visited Caltech also in December, 1958, as a Leader of America. He is widely respected for his work on personality, motivation and creativity. He has published numerous articles in professional journals and has written several books, including *Principles of Abnormal Psychology, Motivation and Personality, Toward a Psychology of Being, and Religion, Values and Peak Experiences.*

Maslow's approach to psychology is primarily concerned with the discovery of intrinsic human values and personality traits. He

(Continued on page 2)

Frosh Diners' Forum Returns With New and Different People

The Freshman Diners' Forum is back! Tomorrow at 6 p.m. in the Greasy the series recommences with a talk by Dr. Richard P. Feynman. Strangely, his topic is being kept secret by the members of the committee organizing the series. They refuse to say what it is but do mention that Feynman chose his own topic.

The YMCA sponsors these talks for frosh, and the committee is composed almost wholly of frosh. Upperclassmen and grad students are permitted to attend, however, and faculty members are welcomed. But the emphasis is on frosh and their interests. The format of the evening is designed to allow frosh to get acquainted — with a topic, with faculty members, and with each other.

The forums are scheduled to start at 6 with introductions and

Tech Y To Present Mandel's Plays

"A fisherman had already caught three handsome trout — they were lying in a basket next to him, when he hooked a minnow. He was about to throw it back into the stream when the minnow, catching sight of his grimace, cried out, 'And what's the matter with me, if I may ask? Let me inform you that I'm as good as any trout that swims in these waters. I'm small, but I am good-looking, smart and appetizing. In short I resent your gesture of contempt and demand to be treated with the respect I deserve.' 'Oh, well, if you insist,' said the fisherman, and he tossed the minnow into the basket."

The "Conceited Minnow" is one of about twenty "Gobble-Up Stories" written by Dr. Oscar Man-

del to be presented as a staged reading by the Caltech Y at 8:30 p.m., January 16 in Dabney Lounge.

In his "fables for our times" Mandel tells the story of such strange creatures as "The Moth Who Disguised Himself as a Dragon," "The Perfidious Spider," "The Parliament of Animals," and "The Tycoon and the Architect." Mandel describes his fables as unique entertainment, "largely satirical stories with a sharp point, yet musical and entertaining."

Joan Tompkins and Donald Elson will narrate and pantomime Mandel's fables. David Agresti, a Caltech graduate student, will provide musical accompaniment on the flute.

Which Witch?

Both Miss Tompkins and Elson have appeared on and off Broadway. They have also appeared in movies and numerous television shows. Miss Tompkins will be remembered at Caltech for her performance as the Witch in Mandel's *The Monk Who Wouldn't*, presented by the Athenaeum and the Playreading Group a year ago.

Two of Mandel's plays have been presented at Caltech in the past four years. The Y sponsored *Island* four years ago, and the Playreading Group presented *The Monk Who Wouldn't* last year.

The "Gobble-Up Stories" were unveiled last August at the Elson-Robyns Gallery in Los Angeles to an enthusiastic audience. The group of Donald Elson, Joan Tompkins, and David Agresti plan to take "Gobble-Up Stories" on tour and perhaps book the staged reading of the fables at other colleges.

Admission to the staged reading of "Gobble-Up Stories" will be fifty cents for Caltech students,

Myths Exploded On Latin America

General X: "I've got 1500 men and five tanks. How many do you have?"

General Y: "Two thousand men and eight tanks."

General X: "O.K. You win."

Conclusion: the disorder of Latin American politics is not as bloody or violent as many people think.

With anecdotes and stories such as the above, Professor John Rowe of the American University Field Service, an authority on Brazil and Argentina, exploded "Some Myths on Latin America" Tuesday in 155 Arms. The light-hearted approach to politics livened up the lecture, which will be continued next week with specific reference to the Brazilian Revolution of 1964. All are invited.

Rowe chose the very existence of a "Latin America" for his first myth. Because of the very great diversity of races, languages, temperaments, and institutions, he maintained that the 20 different nations "south of the border" cannot be considered a single entity. The lack of transportation and communication links across this continent-and-a-half also contributes to its Balkanization.

The myth that a coup d'etat necessarily involves violence next stepped to the chopping block. Rowe illustrated the disorder of L.A. politics, but he emphasized that changes of government often involve nothing more than shows of strength by the armed forces. Latins are not especially bloodthirsty, even though they are mercurial.

The blame for the disorderly state of affairs cannot be pinned on a "power-hungry" military, Rowe continued. He stated that the officers of Latin American armed forces are mainly of the middle class, not the upper class, and that they therefore intervene only reluctantly.

Many observers think the political problems of Latin America can be ascribed to the lack of a middle class, but Rowe quoted figures giving Argentina a middle class numbering about forty-five

(Continued on page 4)

Professor Crede Dies

Professor Charles E. Crede, 51, internationally known authority on shock and vibration problems and professor of mechanical engineering at Caltech, died Monday, December 28, at Huntington Memorial Hospital after a long illness.

In addition to teaching applied mechanics to undergraduate and graduate students, Crede also held the office of Faculty Sponsor of the American Society of Mechanical Engineers at Caltech. He is the author of several books and many scientific papers on his specialty.

He was a consultant to the Air Force on the design of underground missile launching sites and to NASA for resolving shock and vibration problems in rocket systems. During World War II he developed techniques for designing shockproof equipment for the Navy.

Born in Wilkesburg, Pa., he received his bachelor of science degree in mechanical engineering from the Carnegie Institute of Technology in 1935 and a master of science degree from MIT the following year.

Crede was with Barry Controls, Inc., of Watertown, Mass., from 1945 to 1958, and then resigned as vice president of that firm to join the Caltech faculty. He was a member of the American Society for Engineering Education and a fellow of the Acoustical Society of America.



Professor Charles E. Crede

Notices

SENIORS

The publisher's deadline date for the senior section of the 1965 **BIG T** is January 22, so senior write-ups and pictures must be turned in immediately to the **BIG T** office to insure inclusion in the yearbook.

Y MOVIE

The *Young Lions* will be the Y movie shown at 7:30 Sunday. The movie tells of life in a Nazi prison camp from the viewpoint of both the captor and the captive.

OLD TESTAMENT STUDY

An opportunity for Caltech students to view a filmed culture course on the Old Testament will be offered at Holliston Methodist Church by the Wesley Fellowship. These highly commended films by Dr. Edward W. Bauman of American University will be shown at 7:30 on Sunday evenings, starting Jan. 10. For further information see Wayne Pitcher or Tim Stephens in Blacker.

COIN CLUB MEETING

There will be a meeting of the Caltech Coin Club tonight at 7:30 in Lloyd Conference Room. Bring your collection or extras for trading.

ASCIT SINGS

ASCIT's annual concert will feature the rBothers Four in Beckman Auditorium from 8:30 to 10:30 on Friday, Jan. 22. Tickets will be available starting today — sign up with your friendly House treasurer or get them from JC Simpson in 242 Ruddock. Student tickets will be \$2.50 and \$3.00.

YOUNG REPUBLICANS

Admiral William Chambliss, U.S.N. (Ret.), will address the January meeting of the Caltech Young Republicans on "The Global Strategy of Communist Conquest," next Wednesday, Jan. 13, at 7:30 in Clubroom 1.

Editorials

Our Secret Revealed!

C PROGRAM TO WRITE EDITORIALS
EQUIVALENCE (TRUTH, LIES), (BLACK, WHITE)
68 FORMAT (GRIPES)
70 FORMAT (TECH)
ILLOGICAL THINKING
COMPLEX PROBLEM
INTEGER ANSWER (3)
DATA ANSWER (1) / 6HTHINK! /, ANSWER (2)
/ 5HWHAT? /, ANSWER (3) / 5HBITE! /
33 READ (5,68) PROBLEM
IF ((DEADLINE - TIME) . GT . EPSILON) GO TO
HELL
B & G = EFFICIENY
IF ((DEADLINE - TIME) . LE . EPSILON) GO TO 99
UNITS (KHEM46) = UNITS (KHEM46) + 1.
99 I = AMOD (RANDNO, 3.) + 1.
SOLUTION = ANSWER (1)
WRITE (6, 70) SOLUTION
GO TO 33
CALL EXIT

News Of Frosh Grades Spreads Over Nation

The action of the faculty on December 14 abolishing freshman grades for an experimental two-year period has apparently caused a stir in other parts of the country. Newspapers throughout the United States reported this unique experiment by the Caltech faculty.

The Los Angeles Times, in an extensive article, gives opinions of the no-grade system gathered in a survey of local college students. All the students from this school questioned in the survey favored the new system.

When asked what he thought of the pass-fail marking system and its feasibility, a student at Occidental College did not like the plan and said he thought the student body at Oxy would have rejected a similar plan. A La Verne student did not favor the plan because it would be detrimental to a student who has not made up his mind about his future. This student would not know on which subject to concentrate.

A Cal State sophomore favored the system because it would instill in students a genuine interest in their subjects, instead of cramming for a final exam and then forgetting all the material in less than a week. Other schools surveyed were Cal Poly, Kellogg, Pomona, and Claremont.

The Boston Traveler and The New York World-Telegram carried articles giving the opinion of a Caltech senior who opposed the plan because "the freshmen would not learn the essentials" and that of a freshman who stated that "I'm working more now and it is because of interest for work instead of for grades."

The Chicago Daily News calls the move a step toward "academic freedom to be envied." The Washington Post commented on the rigorous courses and the competition at Caltech and saw the no-grade system as a means to eliminate the "student's preoccupation with marks" and to emphasize the previously overshadowed learning process.

Maslow

(Continued from page 1) argues that the human being possesses an innate personality apart from biological characteristics, and that the discovery of this personality should be a prime human goal.

Maslow will meet with students and faculty in several informal sessions during his stay at Caltech. Suggestions for topics or questions for these discussions are welcome and should be turned in to the Y office as soon as possible.

Foreign Relations Game Saturday

The Political and Military Exercise centered around a crisis situation in Central America will be taking place in Dabney this weekend.

As originally conceived, this was to be a small "game" for the interest and fun of Caltech students and faculty. It has blossomed until some sixty students and faculty will be participating in various capacities.

Dan Merlay, representing President Johnson, heads the U.S. team; Mark Gingold is leader of the Russians, as Breshnev; and the UK Prime Minister, Harold Wilson, is represented by Bill Satterthwaite. Rhodesia, the protagonist, whose leader is Ian Smith, will be led by Tom Greenfield; South Africa's Prime Minister, Verwoerd, is played by Maynard Olson.

Moderate Africa, in the game an amalgamation of Zambia, Tanzania, Nigeria, Kenya, and Uganda, is led by Ben Stackler, who is Nyerere. Military Africa consists of Ghana, the U.A.R., Morocco, Guinea, and Algeria. Paul Swatek as Ben Bella will lead this team.

Faculty participants are Tom Huff and Drs. Wayland, Ellersieck, Elliot, Huttenback, Scudder, and Gell-Mann. Charlie McGruder and Dr. Munger, who have organized the exercise, will be on the control board which governs the game and maintains realism by ruling out incredible actions.

It is anticipated that as well as giving valuable experience in role playing, the simulated opportunity for meeting the exigencies of policy-making will provide great excitement for those taking part.

welcome to the
Campus Barber Shop
in Winnett Center
haircuts \$2.00
Three Barbers to Serve You
8 to 5:30 Monday - Friday
Paul A. Harmon



Well back to my favorite subject, the Ice House—still the best entertainment bargain in the L.A. area (for Tech students anyway). The New Year's opening show is another good one and runs something like the following.

First act is the Pair Extraordinaire, or Carl Craig and Marcus Aurellus Hemphill, Jr., who enjoy putting on the show at least as much as you enjoy watching them. Marcus plays a mean bass and Carl sings (he also dances and acts, but that's extra). This is definitely not a folk group but is still good. Carl Craig has one of the best deep voices I've ever heard, remarkably clear, and sings everything from jazz and semi-folk to Beatles' tunes. They also do enough clowning around to keep any audience happy. The worst part of the show is Marcus' bass, which looks like it lost World War II. Go to the show and help him buy a new one.

The middle act is Pat Paulsen, a comedian who claims the Ice

House has brought him from virtual obscurity to total oblivion. He may be right. He was introduced as "the thin line between comedy and tragedy," but started out way into the tragic part and spent the rest of his act working toward the comedy. He got pretty good toward the end, and his jennies and television routines were enjoyable, but overall he was only fair.

Lead act is the Wayfarers, who haven't improved at all since the last time I saw them. However since they were great then, this isn't a disadvantage at all. They are the second best group I've seen at the Ice House and are good enough alone to make any show worth while.

Overall the group reminds me a great deal of the Chad Mitchell Trio when they were just starting out. Their harmony is fantastic and although they haven't got a vocalist to approach Chad Mitchell, each has a good voice, and Sean Bonniwell (the guitarist) is excellent.

Drop in for a game of skill
and apply the laws of physics —
besides it's FUN!!

— FREE INSTRUCTION —

LAKE-COLORADO FAMILY BILLIARDS

977 East Colorado Blvd.
792-0674

**FRENCH SPANISH GERMAN
RUSSIAN ITALIAN JAPANESE**

THE BERLITZ SCHOOL OF LANGUAGES
PASADENA, 170 SOUTH LAKE AVE., SYcamore 5-5888

PRIVATE INSTRUCTION
IN ANY LANGUAGE

Native Teachers Day or Evening Free Trial Lessons

California Tech

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

Editors-in-Chief

Stuart Galley, Wally Oliver

Managing Editor

Rick Briggs

News Staff

Les Fettig, Les Fishbone, Barton Gordon, Tim Hendrickson, Ralph Kimbrell, Michael Meo, Craig Nelson, Dick Tezak
Photographers: Bill Boyd, Bob Geisenhainer, Jules Kline, Larry Ruzzo

Feature Staff

Bob Berry, Editor

Don Green, Tom Greenfield, Tom McKenzie, B'ill' Orr, Jeff Pressing, John Rouse, J. C. Simpson, Hank Suzukawa

Sports Staff

Steve Blumsack, Editor

Peter Balint, Larry Dillehay, J. K. Evans, Mike Hunsaker, Gary Ihas, David Jackson, Ted Jenkins, Gary Ratner, John Tucker

Copy:

Norton Greenfeld
and staff

Business Staff

J. C. Simpson, Manager

Circulation: Stewart Davey

Rodger Whitlock, Musk

California Tech, 1201 East California Blvd., Pasadena, California 91109.
Member of The Associated Collegiate Press.
Represented nationally by National Advertising Service, Inc.
Second Class postage paid at Pasadena, California
Printed by Bickley Printing Co.
Subscriptions: \$1.50 per term, \$4.00 per year. Write: Circulation Manager.

ENGINEERING OPPORTUNITIES

for Seniors and Graduates in
MECHANICAL,
AERONAUTICAL, CHEMICAL,
ELECTRICAL,
and METALLURGICAL
ENGINEERING
ENGINEERING MECHANICS
APPLIED MATHEMATICS
PHYSICS and
ENGINEERING PHYSICS

CAMPUS INTERVIEWS

TUES. & WED., JAN. 19, 20

Appointments should be made
in advance through your
College Placement Office

Pratt &
Whitney
Aircraft

DIVISION OF UNITED AIRCRAFT CORP.
U
A

An Equal Opportunity Employer

SPECIALISTS IN POWER . . . POWER FOR PROPULSION—POWER FOR AUXILIARY SYSTEMS.
CURRENT UTILIZATIONS INCLUDE AIRCRAFT, MISSILES, SPACE VEHICLES, MARINE AND INDUSTRIAL APPLICATIONS.

SPORTS

Interhouse Football Here

Great Variety In New Term

Second term provides Techmen with the widest variety of sports available in any term, as every intercollegiate sport but football, cross-country, and water polo has its season overlap the winter quarter.

There are three sports currently in season. The soccer teams, both varsity and junior varsity, are finishing their schedules this Saturday against UCLA, who accounted for one of the varsity's two losses first term. Each soccer team played well against the Bruins last fall, but they lost by a scant goal apiece.

Basketball began late last term with the varsity winning one out of two and the frosh two out of their two games. The varsity hoopsters have been hurt by the loss of most of their starting team and top reserves from last year. However, several new players in addition to the few returnees have given some hope in what appeared to be a disastrous season.

Jock Class

On the other hand, the frosh players have shown that this year's freshman class is truly an athletic class. The successes of the football and cross-country teams and the statement of the admissions committee on the change in admission procedures

is further evidence.

The third sport now being contested is wrestling. In two matches first term the team was very impressive while winning one match and losing the other. Although both contests were mismatches, much potential was seen. Their season continues until the end of February with 11 matches scheduled in the seven-week period.

Other Sports

There are five other sports that begin sometime during second term. The varsity swimming team has a meet on February 5, only four weeks hence; the frosh

(Continued on page 4)

It is that time of year again. The days of Interhouse football are upon us for the next few weeks with the accompanying sounds of heads bashing together each afternoon at four.

This year's race should be the closest in the past several years, as almost any team could capture first place. Two teams that could be the powers of the seven-team league have mighty big question marks connected with them.

Blue and Red

If Murray Sherman recovers from an injured ankle incurred a few weeks ago, Ruddock will be one of the top contenders. They lost four first-stringers of last year's second place finishers, but they had tremendous depth. Most of the team has played together for three or four years; this factor alone might be enough to carry Ruddock to the top of the heap.

Fourth-place finisher Fleming has plenty of ends, but still has not found a quarterback of the highest quality. Give Fleming a top-notch passer; then forget about beating them.

Communists and Elves

Page could prove to be the

dark-horse. They almost upset Ruddock in a Discobolus game first term and possess a well-balanced team lacking only in experience. Watch out for Page.

Dabney finished a close third last year, losing only to champion Lloyd and Ruddock. However, the loss of John Vitz to Fleming should cut deeply into their scoring punch. Dabney should finish in the middle of the standings unless some super-frosh emerges.

Leftovers

Jim Crabtree still has Gillespie's playbook, but Lloyd no longer has Gillespie or Howenstein. Lloyd finished first last year, but that team is gone as was shown

by Fleming's victory over them in Discobolus. Lloyd does not have a bad team, however, and could upset several opponents.

Ricketts is still in the rebuilding stages after losing its championship team that terrified the other Houses for two years. They should have an improved team over last year, but that might not be enough.

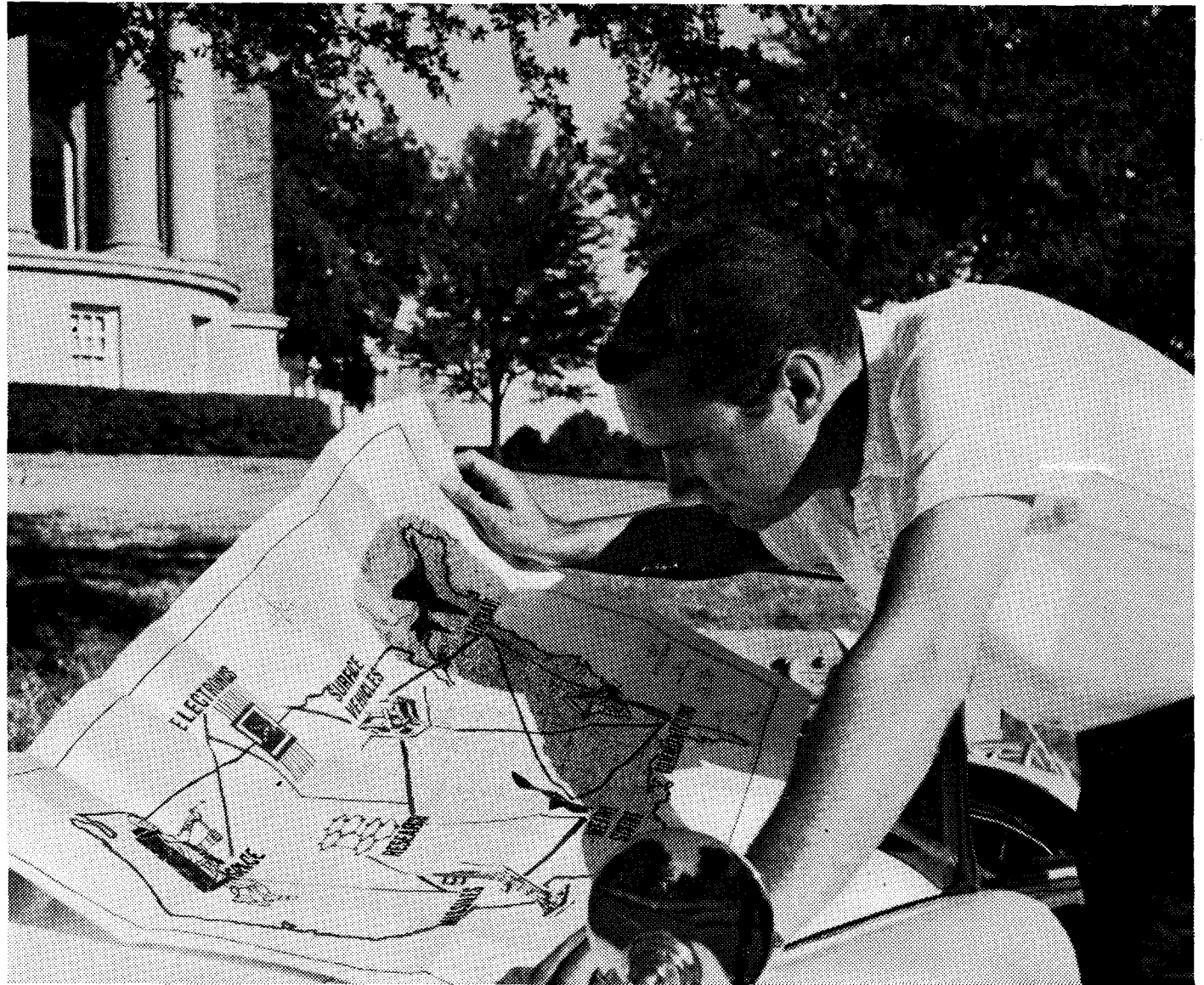
Blacker could finish almost anywhere in the standings depending on the performances of several of last year's players. The lack of a star player is discouraging, but much of last year's team is back, with one more year of experience.

Next Week In Sports

VARSITY BASKETBALL			
Fri.	Jan. 8	8:15 p.m.	Pomona at Caltech
Sat.	Jan. 9	8:15 p.m.	Upland College at Caltech
Tues.	Jan. 12	8:15 p.m.	Occidental at Occidental
FROSH BASKETBALL			
Fri.	Jan. 8	6:30 p.m.	Pomona at Caltech
Tues.	Jan. 12	6:30 p.m.	Occidental at Occidental
SOCCER			
Sat.	Jan. 9	9:00 a.m.	UCLA at Caltech
WRESTLING			
Tues.	Jan. 12	4:00 p.m.	Cal Poly (Pomona) at Caltech

Discobolus Standings

Team	Won	Lost	Points
Fleming	4	1	13
Blacker	1	1	4
Ruddock	1	1	4
Dabney	1	1	4
Page	1	1	4
Lloyd	0	2	2
Ricketts	0	1	1



GOING OUR WAY?

If you're mapping out your career destination, Ling-Temco-Vought offers a wide choice of exciting and challenging routes to your personalized goal.

Here at LTV, young, alert engineers are "going places" in the fields of aircraft, missiles, space, mobile surface vehicles, weapons systems, ground and airborne communications, electronics, and range services. Supporting these activities is an excellent engineering climate providing the opportunity to contribute and professional advancement which is a direct function of the contribution. Assignments are diversified and stimulating in such areas as: aerodynamics • avionics and instrumentation • dynamics • systems design • propulsion • stress analysis • communications design • telemetry and tracking • reconnaissance systems •

amplifier and computer design • electromagnetic interference control • technical administration... among others.

In addition to a rewarding professional environment, LTV offers engineers the opportunity to earn advanced degrees through company-financed graduate education programs.

Before selecting your industrial home, investigate the career avenues available with Ling-Temco-Vought. Get complete details from your Placement Office, then schedule an appointment with our representative. Or write College Relations Office, Ling-Temco-Vought, P. O. Box 5907, Dallas, Texas 75222. LTV is an equal opportunity employer.

CAMPUS INTERVIEWS

Thursday, January 21

LTV LING-TEMCO-VOUGHT, INC.

LTV DIVISIONS AND SUBSIDIARIES: LTV ALTEC • LTV AERONAUTICS • LTV CONTINENTAL ELECTRONICS • LTV LING ELECTRONICS • LTV MICHIGAN • LTV MILITARY ELECTRONICS • LTV RANGE SYSTEMS • LTV RESEARCH CENTER • LTV TEMCO AEROSYSTEMS • LTV UNIVERSITY • LTV VOUGHT AERONAUTICS • KENTRON HAWAII, LTD.



CALTECH?
We're practically next-door neighbors!

605 South Lake Avenue
Telephone 792-6121
Wm. M. McCullagh, Manager

Serving the five major counties of Southern California

UNITED STATES NATIONAL BANK



Brewins



Mother's Day draws nigh and it is once again time to turn to the gentler sex, of all ages and genders, for this week's enlightenment. Take, for example, Beak's stalwart Victorian-Puritan chief cook and bottle washer back at the home pond.

'Twas the season to be jolly and all that fung, at the annual clan huddle at some lucky loved-one's wickiup. Spirits flowed and spirits were lifted, and all was happy and gay. Progenitor was consuming grape-product freely (and clandestinely up-rated with potato juice).

After some gaiety, out comes her own private recipe for good good gravy: the normal ingredients, plus that morning's used

coffee grounds — about a cupful — and a quantity of sherry or whatever is within reach (no more than two feet above the floor). How much to add? Well, she'd add some, and Aunt Mynah dumped in a little more, and when they were all done, they didn't really know. Just add to suit taste — add a glass, drink a glass — yep, the stuff still tastes great. Let's add a little more.

Vodka Gravy: Don't Shake

And then, when the half-empty cocktail glasses are brought in to make room for dishes, well why heave-ho all that good hooch? Into pot is goes, along with eye of newt and toe of frog, if such are within reach (no more than 6 inches above the floor). That's the only way to fly — good and high.

After this spouting, the dinner is still not ready, so into a lively game of Password, with easy words like bodacious, festered, and * * * *. In the middle of a word heroine decides that booze and happy pills mix not, and disappears for 8 millifortnights, missing the stuffing session and the afterwards.

Few items of interest escape

noble Beak's scrutiny — especially in the realm of work, wisdom, morality, and goodness, and old lace. In particular: one philanthropic business typhoon donated a number of ah so honorable smarr transistor radios to the home for bewildered octahoochagenarians. One 88-year old granny wrote a little thank-you note to said philanthrope that, so help me Mothra, went like this:

"I am so happy to have a radio of my own as I have not been able to hear radio programs since my dear grandson Shucksie put me here. My roommate has a radio, but she always plays it quietly so that I can't make it out, and when I ask her to turn it up, she refuses. She is such a sweet person and is 94 years old, and we have always gotten on well together.

"Well, the day I got the radio you sent, my roommate dropped and broke her radio. I was listening to "Hymns From Paradise Valley" — such sweet, peaceful music — and she politely asked me to turn up my radio a bit. I told her to go * * * * herself, and continued listening. Thank you again for your wonderful gift."

Spring Sports

(Continued from page 3)

swimmers take to the water three weeks later. As usual, Coach Webb Emery will direct both teams.

One of the major sports of second term is track-and-field, coached by Bert LaBrucherie, aided by trainer Paul Barthel. Official practice has no real definite beginning. But most begin working out at the start of second term in order to be ready for the first meet on February 20.

Tennis, capably handled by Coach Lamb, has two teams, just like track and swimming; each consists of six singles and three doubles teams. The season begins fairly soon (the first match is in five weeks) and lasts until May.

Still More Sports

The baseball players are among the most active athletes on campus as far as total playing time is concerned. The varsity plays two games most weeks, but baseball is not the most strenuous sports. Coach Preisler is the man for varsity players to see.

Finally, the golfers see action this term, beginning February 22. There is only one team, the varsity, which plays one match per week. Last year the golfers tended to be rather erratic in their play and could use more men on the team.

H5 Notes

(Continued from page 1)

per cent of its population, and Chile about thirty per cent. The existence of a powerful middle class, he said, is no guarantee of political stability.

Myth number five concerned extremist groups such as the Communists or the reactionaries. Rowe mentioned that in Argentina the far right commands five per cent of the vote, and that the Reds in most countries are plagued with too many factions and divergent aims to be effective. He concluded that the far right and left are not major causes of the unstable politics of Latin America.

Howe concluded that economics or the class struggle is not the basic reason for Latin American instability; politics is.

FOR SALE
6 INCH REFLECTOR TELESCOPE
\$150
Mrs. Arlene Spencer
Days: 793-3856
Eves: 798-5075

WANTED
Campus Representative — Energetic and Travel Conscious To Sell The Lowest Fares To Europe On New Vessel. Fares Begin At \$275.00 Round Trip Including Meals And Are Non-Competitive
Contact: Overseas Student Travel Exchange Program, 37 King Street E., Toronto 1, Ontario (Canada)

SAN FRANCISCO
STILL LOWEST AIR FARE — "THRIFTAIR"
\$1143 plus tax
WESTERN AIRLINES

M.S. and Ph.D. Graduates Make Their Mark At TRW SPACE TECHNOLOGY LABORATORIES

<p style="text-align: center;">PHYSICAL RESEARCH</p> <p>ROBERT E. BROOKS Ph. D. Electrical Engineering '62 University of California at Berkeley Laser Systems Research</p>	<p style="text-align: center;">MECHANICS</p> <p>LESLIE R. KOVAL Ph.D. Engineering Mechanics '61 Cornell University Structural Dynamics Research</p>	<p style="text-align: center;">ELECTRONICS</p> <p>WILLIAM B. HAGEN M.S. Electrical Engineering '61 University of Minnesota Optical Sensors Design and Development</p>	<p style="text-align: center;">SYSTEMS RESEARCH</p> <p>DAVID D. WERTS M.S. Aeronautical Engineering '61 University of Minnesota Spacecraft Performance and Astrodynamic</p>

Discuss opportunities with members of STL's technical staff on campus

JANUARY 21 and JANUARY 22

If you are receiving your M.S. or Ph.D. during 1965, we invite you to join this select group, which is working on projects such as Pioneer, Orbiting Geophysical Observatory (OGO), nuclear detection satellites, and variable-thrust descent engines for Apollo and Surveyor lunar landings. You will find exciting and creative assignments at TRW in the area of your major discipline. Investigate one or more of these fields: Theoretical Physics, Systems Engineering, Radar Systems, Experimental Physics, Applied Mathematics, Space Communications, Space Physics, Antennas and Microwaves, Inertial Guidance, Analog Computers, Solid State Physics, Computer Design, Telecommunications, Digital Computers, Guidance and Navigation, Electromechanical Devices, Engineering Mechanics, Applied Aerodynamics and Propulsion Systems.

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, TRW Space Technology Laboratories, One Space Park, Redondo Beach, California. TRW is an equal opportunity employer.

TRW SPACE TECHNOLOGY LABORATORIES
THOMPSON RAMO WOOLDRIDGE INC.