

Cassada To Head ASCIT

Heart Attack Kills Fellow

Dr. Saul Kaplun, 39, Caltech senior research fellow in aeronautics, died last Thursday of a heart attack in Huntington Memorial Hospital, Pasadena.

Kaplun, who had spent his entire academic life at Caltech, did fundamental research on the movements of objects through gases or liquids. He also contributed to the development of techniques for deriving approximate solutions to complex mathematical problems.

Kaplun was born in Lwow, Poland, and served in the U.S. Navy during World War II.

Y Panel To View Economy

The YMCA will present a panel discussion of "Automation, Unemployment, and the Economy" Wednesday, February 26 at 8:00 p.m. in Winnett Lounge. The three panelists will be Dr. Alan R. Sweezy, Professor of Economics; Mr. Robert Davis Gray, Professor of Economics and Industrial Relations, Director of the Caltech Industrial Relations Center, and Mr. W. H. Ferry, Vice President of the Fund for the Republic, and Staff Administrator of the Study of Economic Order at the Center for the Study of Democratic Institutions in Santa Barbara.

Since the three panelists represent a wide spectrum of economic viewpoints, from "automation is not new" to "New Deal" to "Caught on the Horn of Plenty," the discussion is expected to be very lively.

Notices

ATHENAEUM COFFEE HOUR TODAY

The Coffee Hour will be held in the Athenaeum basement lounge from 3 to 4 this afternoon. Please come.

NO TICKEE, SENOR!

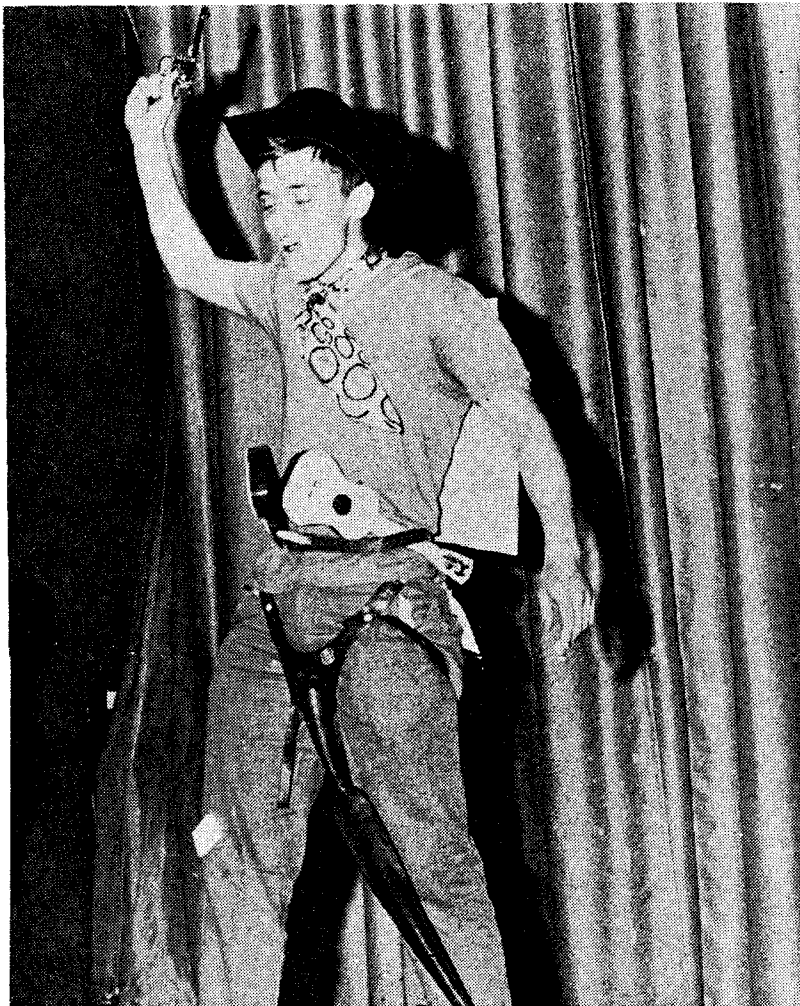
Lt. Newton has brought it to the Tech's attention that the driveway by E. E. Taylor's office near the Athenaeum is, indeed, a driveway, since more than one vehicle uses it each week. (At any rate, it conforms with the legal definition of driveway.) Hence, the Pasadena Police will show no mercy in ticketing cars found blocking this driveway. Lt. Newton suggests that cars not be parked there for this reason.

XTIAN FELLOWS

The Caltech Christian Fellowship is helping to welcome Dr. Hamilton to the campus by holding meetings to pray that he won't succeed in influencing anyone. Hamilton is apparently too radical for the Fellowship's taste. The Fellowship met twice last week to pray against him. Perhaps we will soon witness a demonstration of the power of prayer, one way or the other.

BLAST OFF!

The Radio Club will meet tonight at 10 p.m. Unfortunately, however, they did not reveal the location of this meeting to the editors.



New ASCIT Prexy Hopalong Cassada hops along as audience feeds Saga delicacies to him. Cass later, in words of St. Ignatius, told audience where to go. They didn't.

Review Rumford Act

The plan of the Caltech YMCA to inform people of the statewide initiative for a Constitutional amendment nullifying the Rumford Act was started last Thursday evening in Dabney Lounge. A debate between a Realtor and an attorney, moderated by a member of the UCLA faculty, was the first public-information program presented.

Background Given

The background of the controversy was presented by the moderator, Dr. Fred Case, of the UCLA real estate department.

In 1948 the U. S. Supreme Court ruled that the Fourteenth Amendment, which relates to the rights of States to pass certain discriminatory legislation, would not be enforced with respect to laws on the sale of property. California took its own course during and after 1959 by passing the Unruh and Hawkins Acts, telling owners and lessors not to discriminate in handling public-supported housing.

An Act Of Mercy

Then the Rumford Act, or the California Fair Housing Act reinforced the previous two by defining public-assisted housing as that either financed by a loan, the repayment of which is insured by the federal or State government; or exempt from taxes; or constructed on property acquired and/or sold by the State. A certain minimum size for the housing covered means that only 30-40% of present housing might be affected.

The Act prohibits the "refusal to sell/rent/lease . . . any housing covered under the Act on the basis of race, color, religion, national origin or ancestry," or the aiding, abetting, inciting, or coercing of any such refusal.

Little Resolved

The actual debate, between James McMichael, a Pasadena realtor, and Walter Shatford, an attorney, presented the two main opposed opinions on the initiative, with little actually being resolved. McMichael said that the "desirability of integration" goes without saying, but that our country was founded on

(Continued on page 4)

BY TIM HENDRICKSON

Randy Cassada defeated Dick Essenberg for the office of ASCIT President in Tuesday's ASCIT elections. The elections marked the clima of a week of frantic campaigning by the candidates. During the week the office seekers visited houses, erected various and sundry posters between Thomas and Gugenheim, and provided the student body with an unusual Monday night entertainment.

Tight Races

In the unopposed offices Steve Garrison was elected Vice President, J. C. Simpson became IHC chairman, and the team of Stuart Galley and Wally Oliver was chosen as the editors of the California Tech.

In the contested offices, John Walter defeated Ed Bloomberg and Jerry Yudelson for the position of BOD secretary. Fred Brunswick became ASCIT treasurer by defeating Gary Christoph, while Rodger Whitlock defeated Ed Bauer to become Activities Chairman. Dave Jackson won over Bill Broste for the position of Social Chairman. Mike Rosbash won the office of BOC secretary from Russ Brill.

Runoffs Still

The offices of Athletic Manager and Representative-at-Large will be settled in a run-off election today. Still in the running for Athletic Manager are Doug Josephson and Andy Kampe. Bob Barro was eliminated in the Tuesday's election. Pete Cross, Dave Goodmanson, and Eric Young are still battling for Representative-at-Large. Dan Erickson and Ed Kelm have been eliminated.

The Rally

The traditional Caltech Election Rally, held in Culbertson Hall, got under way Monday

night, February 17, with a hiss and a barrage of week-old Saga biscuits.

Stepping boldly out onto the stage, Don O'Hara urged the spectators to use moderation in greeting the ASCIT hopefuls with such ammunition as apples, cabbages, eggs, tomatoes, and watermelons. The clean-up crew, however, was kept very busy all through the evening scraping the salad and popped balloons off the stage between acts.

O'Hara, as last year's losing presidential candidate, was responsible for the management of the 1964 rally. Afterwards, he gleefully confided that this rally was "the world's best, except for the candidates."

Top Billing

The high points of the rally occurred during the performances of the guests of honor, Miss Vicki Dell and Miss Sue Martin.

In lieu of Billy Rose, the curvaceous entertainers were accompanied in their dance routines by a small Caltech combo called the "Roaches"—more or less what the bands in the eight skits called themselves.

In an exclusive California Tech interview after the rally, Miss Martin, in her 1963 Thunderbird, explained that she "worked mostly at the Colony Club," but also took on available free-lance jobs.

"Miss Martin, do you think that the students were mature enough to appreciate your routine?"

"Yes; the audience was very good—very receptive. I enjoyed it very much. And (as an afterthought) the band was good, too."

"How did you become a dancer?"

(Continued on page 4)

And Evans, Too!

Drama Club To Present A Beauty Of A Farce

by Ken Evans

At 8:30 p.m. Friday, Feb. 21, the Caltech Drama Club will present a one-act farce, *The Monster*, by Julia Carson. The staid boards of Culbertson Hall may never be quite the same, for it is not often that you find a monster that is a mother—or a mother that is a monster.

All In One Act

But then is Mother really a monster? She's just a sweet lovable nymphomaniac, and as Leonard says, "That sure is a nice kind of maniac to be." Of course her daughters, whose boyfriends she always steals, don't think too much of her; but her son Orville loves her dearly as long as she writes the dirty novels that he can sell for \$50,000. And Mr. Witham, the axe murderer, and the cop with the sex-proof vest have their own opinions.

The play promises plenty of pulchritude in the persons of PCC coed Tina Carter, playing Mother, and Westridge girls Jan Kistler and Barbara Stout as daughters Hannah and Lydia. Barry Peterson as Daddy and Wayne Ryback and Buzz Bern-

stein as sons Orville and Junior complete the family, not forgetting Walt Scott as Grandpa. Steve Morse as Witham the axeman and Bob Roberts as Leonard, a victim of Mother, provide plenty of bodies for cops Ken Bryant, Jay Romney, and Grant Blackinton to investigate. Larry Hughes as the meter reader and Stephanie Digby as Witham's keeper round out the roster.

Only Handicap

Despite the iron-handed, internally-contradictory direction of Drama Club President Ken Evans, the play will certainly be funny, if for no other reason than Morse and Bryant are hilarious in themselves. And the girls are sexy enough to suit even the most hardened Techman. So instead of blowing three dollars on a movie, come out and see the Drama Club ruin its reputation as an outfit which produces plays that are entertaining but yet have something of value to them. This play has absolutely nothing of value—unless your mother is a nymphomaniac.

Editorials

Gobble, Gobble, Gobble!

Well fans, another ASCIT fiscal year has drawn to a close and another young band of starry-eyed idealists have ascended the throne to do battle with evil and injustice. At such an auspicious occasion, it would be fitting to take a quick glance over what has transpired or expired during the last administration.

First, that topic of all candidates — that sure-fire means of gaining Student Body votes — the only real issue on campus — the international debt of the **California Tech**. Last year's candidates and this year's candidates, almost to the man, vowed to cut down this raucous expense. Well, let us look at the record. By competent managing and able direction from the Board and the staff, that debt has in fact gone down.

A large part of the credit for this belongs to ASCIT President Liebermann and his band of thugs who made several constructive steps toward modernizing our multicomplex financial structure. Let us hope that the "new breed" will prove to be true to their campaign gibberish, and make a positive contribution to our march toward solvency.

—Don Green
J. C. Simpson



by Steve Gorman

In response to an unbelievably bad record (by a self-appointed travelin' philosopher named Stevenson Phillips), sent to me by the owner of the Ice House, I trundled down there to look at their show. It consists of two individual performers, David Troy and Karen James, and a group called the New Breed.

The first one, David Troy, looks like one of those superstud creatures you all see gracing the pages of the Playboy clothing ads. While he isn't too snowy on the guitar, he chooses his songs very well and the overall effect is good. He has a fine voice, some good jokes, and in a very real sense reminds me of singers I remember hearing a lot, before Rock and Roll got so big. Sort of an Eddy Fisher type with a guitar.

Raunchy Wench

The second singer is another Canadian (so is David Troy). She bears a faint resemblance to Bill Meisel's girl friend Jo, and sings rather well with a lot of variations. But she is entertaining, mainly through her ribald humor. She was forever casting witty little aspersions on the virility of the audience when they didn't sing loud enough, and, when she sang a bawdy

song about marrying an old man it really was bawdy (on the order of a civilized Ring Dang Doo). Moreover she had this strange bearded creature who stood behind her with a guitar and accompanied and tried his best to look like Raul Castro. She described him aptly when she said he was the only man she ever knew who got arrested for vagrancy in Disneyland.

Newly Bred

The main attraction was one of the most versatile, amusing, and all around entertaining groups I've seen in a long time. There's four men and a beatniky looking girl. When they sing, they really sing well and when they screw off (which is continually) they really get off some good jokes. Even more they are good instrumentalists, as they did a guitar interpretation of Exodus which was excellent. The somewhat simian appearing leader of the group took the lead in a song which might be called "Ooo Ah, Cha Cha Cha" which is worth going to hear all by itself. Their style is fresh, fast, and very entertaining—and the show is in total definitely worth seeing. Even the isolated outpost of culture and goodbreeding on campus, Terry Mast, was seen to smile at a remark made about a Jewish seagull.



By Steve Schwarz

Dr. Strangelove is either the funniest horror movie or the most horrible comedy I've ever seen. The story, as I expect everybody already knows, is about an unfortunate incident in American foreign affairs. A certain General Jack D. Ripper (Sterling Hayden), of the Strategic Air Command, has become upset about the international communist conspiracy to fluoridate our water and pollute our natural bodily fluids. So he sends his planes out to plaster the Russians. By the time word reaches President Muffley (Peter Sellers), there's no way to call them back. And when the President phones the Russian premier to warn him, it is learned that the Russ have set up a doomsday machine which will go off automatically and destroy the world, if any of the U.S. bombs explode. The doomsday machine can't be shut off.

A Jewish Meatpacker

Sounds like the funniest plot since **The Road to Auschwitz**, doesn't it? Actually, horror stories about the atomic big bang tend not to be as horrible as one might expect. People are unlikely to take them seriously. For one thing, the end of the world is impossible to imagine, and for another, all of us have learned to live with the bomb—precisely by not taking it seriously. Producer-director Stanley Kubrick has found an excellent way around this difficulty. He has superimposed on his horror story a superstructure of satirical comedy. This blocks the viewer's escape route via cynicism, since it's hard to be cynical about a horror story which is already cynical about itself.

To appreciate fully either the humor or the import of **Dr. Strangelove** one has to subscribe to a few assumptions; that the military is composed of adventurous, narrow-minded clowns; that the machinery of massive retaliation today is so complicated that nobody understands it completely; that as components of that machinery men are untrustworthy and fallible. These notions are easy for many people to accept, and these people are likely to feel that **Dr. Strangelove** is speaking words of sanity in a world that's about to go insane (or more likely, just go). On the other hand, the people who don't subscribe to the postulates will be inclined to simply shrug it off as propaganda, which in a way it is. (It is easy to imagine an obverse story, which would produce the opposite reactions in the two groups.)

We Shall Overcome

In the humorous concept of the film, one senses the makers' feeling that no movie is really going to do any good. One is reminded of the Brechtian theater of Germany in the twenties there is that same wistful feeling that the world is going straight to hell, and that except for making a few ironic jokes and singing a few sad little

songs, there's nothing that can be done.

The really diabolic trick, the one that makes the movie sting, is that the writers have built upon reactions left over from prior war films. They start off with a shot of a B-52 lovably nursing at a tanker's teat, set to some of that same music that is used in Air Force movies to signify "our boys are on the job, and all is well." ("How I learned to love the bomb . . .") Later on we become acquainted with the crew of one of the planes sent to plaster Russia, and they're the kind of good American guys we've learned to respect. Their plane is shot up, they know they can't make it back to base; their only concern is to carry out their job for their folks who are counting on them. The sound track is playing "When Johnny Comes Marching Home." All this is played perfectly straight, just as it might be in any normal war

(Continued on page 4)

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Pomona Squeaks By; Ricketts Sweeps IH Track

Redlands Stomps Tech

Last Friday night, the Beaver basketball squad dropped a league game to Pomona College. In the first half, Caltech led nearly all the way and had a 31-30 lead with about a minute to go. A sudden relapse enabled Pomona to score four quick baskets and take a 38-31 lead.

At the start of the second half, the Pomona squad blitzed the Beavers and after about eight minutes the score stood at 59-37 in favor of Pomona. With both teams using subs, the Beavers whittled away at the Pomona lead and closed to 62-54 with about four minutes left. About this time the Pomona coach panicked and sent in his well-rested first string and immediately Pomona drew away. The final score was 78-67. Dick Burgess had a hot night and led Tech with 17 points. John Tucker shot well in a sub role and wound up with ten points.

Redlands Tromp

On Tuesday night, Tech came up against one of the finest defensive squads in the conference. Tech played Redlands on the Tech home court and came out on the losing end of a 63-54 count. Redlands is rated in the top fifty defensive teams in the country for small schools, holding their opponents to an average of only 60 points per game. That record didn't get spoiled on Tuesday night.

Tech came out on the court in a ball of fire and ripped off to

an early 6-3 lead. During this period, Tech played Redlands' game and played a good tight defense. This success was short lived however as Redlands quickly rolled up eight consecutive points and led 11-6.

Good Offense

Redlands showed that it could play offense too as it shot well from the floor. Most of these points were on long outside shots that seemed to find their mark in unusually large numbers. From this point on, Tech was out of the game. The Redlands defense was stifling. None of Tech plays seemed to succeed in breaking loose any free men. The outside shooting was cold and hence Tech fell further and further behind and were down 40-23 at halftime.

The second half started out the same way and only a late rally by Tech kept the final score close. Tech was never in the game and dropped it 63-54. Dick Burgess was cold in the early minutes of the game but came on strong in the later moments and finished with 15 points. Joe Weis led Tech scorers with 19 points. Most of this was on pure effort as Joe has been sick the last few weeks and has had to keep a cup of water on the sidelines to keep him going. Gary Dahlman also played a fine game and finished with nine points.

Pomona, Redlands Stomp on Frosh

The frosh ended up their conference season by dropping games to Pomona and Redlands on Friday and Tuesday nights. Both games were played at home. Tech lost to Pomona, 101-73. They dropped the second to Redlands by the score of 73-48.

Frosh Slip

In the game Saturday against Pomona the frosh slowly slipped behind in a scoring duel and were down 52-39 at the half. In the second half Pomona continued to score off drives through the frosh defense. The Pomona coach had a mania for reaching the century mark as he left his tired starters in the game until only thirty seconds remained.

Pomona won by a 101-73 score. Gray Jennings led the Tech frosh with 22 points while Don Blair and Herb Jubin contributed 19 and 10 apiece.

Against Redlands the frosh got off to a slow start as they were cold against a Redlands zone. Redlands led 42-21 at halftime. In the second half the frosh warmed up on their shooting and tightened their defense and played even ball with the visitors. The game ended at 73-48.

Dillehay Guns

Leading scorers for the frosh were Ed Hsi with 18 points and Gray Jennings with 14. Larry Dillehay, affectionately known as the "gunner" to his fans, hit for nine points in the best night of his career.

This Friday the frosh play the final game of their season against the University of California at Riverside. The year's frosh have played the kind of game that the fans like to see. They are probably the best that freshman basketball teams have produced here in ten years. None of the players are tall and few have exceptional talent. However, they play as a team and arouse the sympathy of the fans through their spirit.

Messieurs!

Il n'y a qu'un
seulment mot
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BRAVO!



A-1

**Tapers
SLACKS**

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Last week's prediction that Ricketts would win the Inter-house track meet turned out to be the understatement of the year as Ricketts went on to run the other six houses right off of the track.

Never On Thursday

Collecting four first places on Thursday in the field events, Ricketts swept to a commanding 11 point lead over the nearest foe. Walter Innes scored an amazing triple as he placed first in the broad jump, the pole vault, and the high jump. Ken Evans gave Ricketts the other first place as he won decisively in the discus throw.

Grant Blackinton picked up a first place for Ruddock in the shot put. The other winner Thursday was Jerry Gowan of Dabney as he tossed the javelin 165 feet for the victory.

Just to show that the events of Thursday weren't a fluke, Ricketts went out and swept to five victories in the running events on Friday. Bill Spring took both the dashes with good times. Gary Ihas took both of the hurdle events. However, the most impressive victory came in



—Phil by Photo Laipis

Steve Blunsack crosses the wire first in the 660 in last week's IH track meet. Steve also took first in the 1320 yard run.

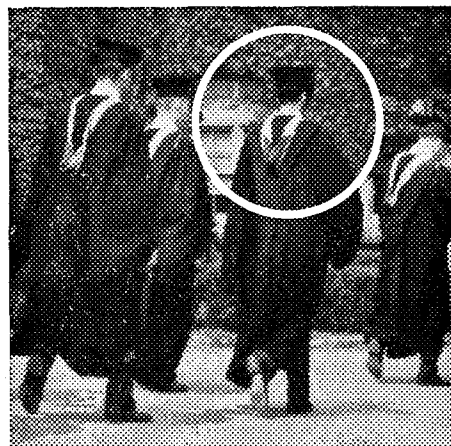
the final event, the half-mile relay. Ricketts, running Randy Cassada, Jim Evans, Ken Evans, and Bill Spring came through in grand style.

Springtime

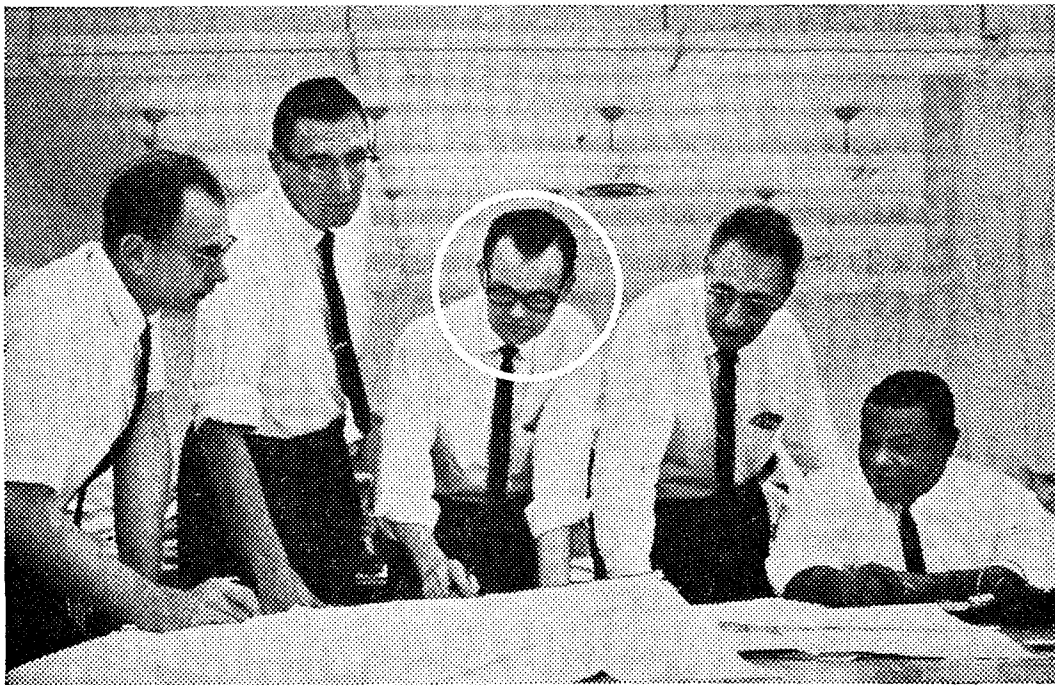
Lloyd had decided to make this event a race and had therefore placed it's fastest three runners in the first three positions.

By the final man, Lloyd held a fifteen yard advantage over second place Ricketts. However the final man for Ricketts came out the blocks like a shot. He quickly made up the 15 yard deficit in the first fifty yards. Spring poured on the coal and finished an impressive twenty

(Continued on page 4)



John LaCost wanted a part in scientific progress



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Matmen Beat Claremont Take League Championship

Caltech regained the league championship in wrestling Monday night, defeating Claremont 23-13 and avenging a previous

Racketmen Win 6-3 Frosh Drop Second

The varsity tennis team showed its strength as they downed Whittier 6-3. The whole team exhibited great prowess as they won five of the six singles. But with the match safely won, they let down and were able to take only one of the three doubles.

The most exciting game of the afternoon was between Butch Niell and Pete Dean of Whittier, who was a semi-finalist in last year's conference tennis championships. But Niell played exceptionally well, especially on the return of serves, and he was able to break serve twice. He went on to win in dramatic fashion, 6-4, 6-4.

Limpco, Rose, Pressing and Ellis were the other singles winners, while the team of Pressing and Ellis won in doubles.

The frosh did not have such a good fortune as they traveled all the way to Whittier only to lose. 9-0.

IH Track

(Continued from page 3)
yards ahead of second place Lloyd. Steve Blumsack of Ruddock took both the 660 and the 1320 to give Ruddock second place for the meet.

All told, Ricketts took first places in nine of the fifteen events. Apparently, last week's prediction wasn't so brilliant.

18-16 loss to the Stags. The Beavers showed improvement in all positions, this being the first meet in which we have not been forced to forfeit a match.

Winners by pins for Tech were Kampe, McGehee, and Paciorek. Faulconer won by forfeit and Powell won on a decision.

On Friday night Tech wrestled a tough JV team from Long Beach State. Tech came out on the short end of a 19-11 score. The only winners for Tech were McGehee and Kampe. Caltech finishes the season with three tough matches, the first coming this Friday afternoon against Cal Poly. Cal Poly has previously beaten the Tech grapplers by a score of 26-6. Tech will be out to wipe this blot off their record so it should be a good match. Tech's record so far this season has been an impressive one. Due to this success, wrestling will probably be classed as a legetimae varsity sport next year.

Emerymen Defeat PCC 49-42; Succumb To Cerritos, 65-29

Firday afternoon an undernourished and over-worked Caltech swimming team lost to Cerritos 65-29 and barely edged by PCC 49-42. This meet was the first of the season and the Tech swimmers showed that they have a lot of work to do if they want to take the league championship away from Occidental.

McBean and Anderson led the Tech swimmers with good performances. McBean swan a 23.9 in the 50 yard freestyle and both

Red Dumps On Pagemen, 10-5

Fleming continued its winning ways in Discobolus competition with a victory over Page in softball Sunday. The Fleming streak of four straight victories is the longest seen in Discobolus competition in many years.

The Fleming softballers routed Page on the strength of an eight run first inning. Page did not score until the third and from there Fleming was able to coast in for a 10-5 victory. Bill Schoene had good control and pitched will for Fleming while the Page defense ruined Del Levy's pitching efforts.

The Flems' offense was highlighted by Steve Hillyard's three hits and Chuck McQuillan's long impotent drives into far left field. The Page defense was especially muddled in the first inning.

In typical style Dabney abstained from facing the Fleming might by not putting in a Discobolus challenge Monday. As a result Fleming will play Blacker in basketball this weekend in what looks to be a very tight game.

Audience

(Continued from page 2)

picture. Only it just happens that they've been sent out by an insane general, that there really isn't any war, and that if they succeed the world is going to be destroyed. The result is a frightful tangle of emotions. Even knowing the consequences, one's conditioned reflex is to hope they'll make it through.

The Diligent Techmen

Remarkably enough for an American movie, there are definite traces of artistic feeling in **Dr. Strangelove** and their most positive expression is in the character of Dr. Strangelove himself. This person, a reconstituted Nazi military scientist, has no function at all in the plot, except as a device for a few gags. (He keeps calling the President "mein Fuhrer" by mistake.) Yet there is no doubt as to why he is in the picture. With his thick glasses, wheelchair, wooden and slightly malevolent smile, and rebellious mechanical arm, he is almost entirely a mechanical man, with only a little humanity in him, and that pretty rotten.

There is a particularly arresting shot that takes place while the War Room is bowing heads in prayer: we see Strangelove in his wheelchair, off to one side—unbowed, eyes unblinking like a lizard's, silhouetted before the flashing lights of his computers in atheistic chiaroscuro. One feels a flash of intuition as to just why things are going the way they are.

Drugs Sundries Cosmetics Tobaccos

CALIFORNIA REXALL

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Breakfast Lunch Dinner

Sue For President

(Continued from page 1)

"Well, I was working as a cocktail waitress, and after a performance one night I decided to try it myself."

"Just like that?"

"Just like that."

"Do you enjoy your profession?"

"Yes, I like it. It's a job, like anything else, and it can pay good money." (Miss Martin explained how she was making over \$300 per week.)

"And one last question. How long do you expect to remain in your profession?"

"As long as my money-makers hold up!"

Rumford Act

(Continued from page 1)

the basis that certain rights exist which are better in private hands than in the government's, the property rights in question being an example.

Shatford, a member of the Board of Education, said that "the problem we have in schools in *de facto* segregation," caused by distinct Negro living areas. He said, "The Rumford Act tries to do something about this," by allowing Negroes to obtain "housing outside thse ghettos."

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in Winnett Center

all haircuts \$1.75

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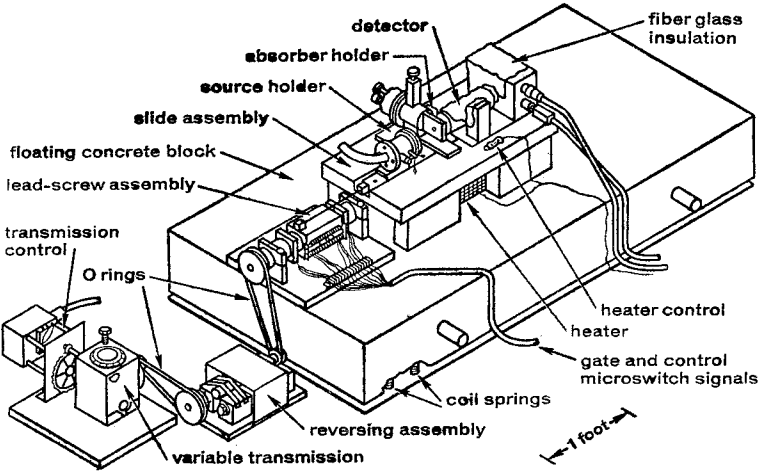
Paul A. Harmon

NUCLEAR ENERGY RESEARCH AT LAWRENCE RADIATION LABORATORY

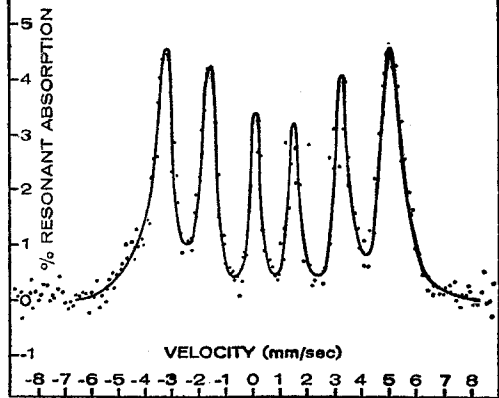
LIVERMORE, CALIFORNIA

MAJOR PROGRAMS NOW UNDER WAY: PLOWSHARE—Industrial and scientific uses of nuclear explosives. WHITNEY—Nuclear weapons for national defense. SHERWOOD—Power production from controlled thermonuclear reactions. PLUTO—Nuclear reactor for propulsion of a ramjet missile. BIOMEDICAL—The effects of radioactivity on man and his environment...far-reaching programs utilizing the skills of virtually every scientific and technical discipline.

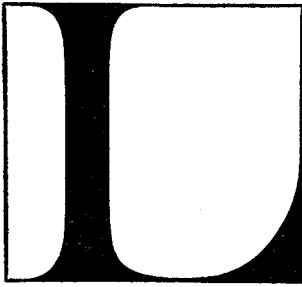
This high-resolution Mössbauer spectrometer, used to study nuclear properties and solid state phenomena, is one of many research tools (ranging from the microminiature to the multi-ton) designed and built by LRL scientists and engineers. The spectrometer has less than 2% velocity jitter over a speed range of 100. The functions of the spectrometer are automated so that the resonant absorptions for 160 positive and negative velocities are obtained in a normal run. Data obtained from print-out scalars are processed and plotted by electronic computers.



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