Galbraith To Compare Candidates' Economics

Mr. John Kenneth Galbraith, the noted economist, will speak at 7:30 p.m. tonight in Beckman Auditorium on the economic policies of President Johnson and Senator Goldwater. Under the auspices of the Young Citizens for Johnson of Caltech, the Harvard University professor, a Democrat, will discuss the possible consequences for the nation's fiscal policies if either man gains office.

Galbraith, author of many books, holds an MS and a PhD in economics from the University of California; he has taught there and at Princeton and Harvard.

The Young Citizens, a most famous volume, deals with the modern bourgeoisie. Other recognized works include American Capitalism and The Great Crash.

The Caltech Service League — the least known but most valuable service organization on campus — has elected a new slate of officers for 1964-65.

Since "the Service League is a social group of 1st of its type to spring to Caltech students," Mrs. Ronald Ross, league president, directed the following rundown on the regular services and chairman.

Service-activity chairman is Mrs. Frank Slaby, '64-65. Through her the league donates boxes of old magazines to the USO, collects used clothing and books, and typists for the Transistor Research Center.

The Caltech Service League is a volunteer, non-profit, service organization. The league is affiliated with similar organizations on other college campuses and is an integral part of the National Service League, which is college-sponsored. The purposes of the Service League are to render service and to provide a meeting place for the college community.

Service League Aids Many Students

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Y Chooses Muslow, Ramo

This year's Y's Leader of America program will feature two outstanding personalities. Abraham Muslow on January 29-30 and Dr. Simon Ramo on April 7-9. Dr. Muslow, who is chairman of the Department of Psychology at Brandeis University in Massachusetts, has been the author of numerous books, including the standard textbook, Principles of Abnormal Psychology. As Leader of America six years ago, he presented the most unique way of talking provided to Caltech students with a stimulating and enjoyable lecture.

Also included in the program is Dr. Ramo, an alumni who was recently appointed to the Caltech board of trustees. Dr. Ramo is president of Bunker-Ramo Corp., subsidiary of the Board of Space Technology Laboratories. He has published several research papers, and his list of awards number over thirty. Discussions will be centered around the topic, "How to Use Feynman Physics to Make Money?"

View On Initiation

AS A FROSH SEES IT

By RALPH KIRKMBUI

In my ramblings around the campus I have caught the drift of initiation from the initiation called initiation. I have got to the point where I think a little initiation and wittily sayings, as, "It was the best thing that has happened to me since I came to Caltech," wait until next year so I can get more out of it, but there was a wimp who says, "Gee, it was terrible, all that devilment and mayhem.

A Blast

The random frosh was over with enthusiasm with whom I asked about the water fights. He said, "Man, it was a blast. I had a real bithing time railing (Continued on page 2)

The TECH picked the St. Louis Cardinals to win the pennant on April 30, 1964.

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California Tech

Associated Students of the California Institute of Technology

Number 4

Watson Shows Amazing Feats With Liquid Air

Caltech inaugurated its new Lecture Series Monday night in much ceremony with the first lecture in the series, "Amazing Feats With Liquid Air." This unique phenomenon is the latest in a long line of new advances in physics. The first lecture served to introduce the topic to the students and to provide a glimpse of what might be expected in the future. The lecture was given by Dr. Arthur DuBridge, a famous physicist and author of many notable books on the subject.

Dr. DuBridge introduced an almost-fulfillment auditorium to Watson, who was the first person to demonstrate the phenomenon. Watson demonstrated the feasibility of the concept and effectively and without a hitch. The demonstration required only four umbilical tubes, one water sink and source and any weight, and one was used in this demonstration. After the demonstration, Watson discussed the concept of liquid air and its applications. It was mentioned that liquid air could be used for various purposes such as preserving food, refrigerating, and even for medical purposes.

Watson also discussed the history of the phenomenon and how it was discovered. He mentioned that the concept was first suggested by Lord Kelvin in 1862. The phenomenon was rediscovered in 1933 by T. S. Park and W. H. Brattain, who were able to demonstrate the feasibility of the concept. The lecture was well received by the audience, and many questions were asked. Dr. DuBridge was able to answer most of them and left the audience with a better understanding of the phenomenon and its potential applications.

The lecture was followed by a reception in the lobby of Beckman where refreshments were served. Many students and faculty members attended the reception and had the opportunity to speak with Dr. DuBridge and other experts in the field.

There are plans for more lectures in the series, and students are encouraged to attend and learn more about the amazing feats with liquid air. It is hoped that these lectures will inspire further research and development in this exciting field of physics. The next lecture in the series is scheduled for October 22nd and will be given by Dr. John R. Pierce. Students are encouraged to attend and to bring friends to learn about this fascinating topic.
Initiation and Houses

One of the things an outside visitor to the campus notices is the unusual character of the Student Houses, which have been in existence since the early days and are slightly less than fantasies, with most of the good qualities of each. Each House is a unity, where everybody knows everybody else, where working together is a traditional ability that all new members have to learn when they enter.

But at the end of Rotation, the frosh who end up in one particular House are essentially individuals, knowing each other very little and being able to cooperate with each other even less. However, the work, together, within and outside the House, and to form among them an esprit de corps, and is must be the goal of Initiation.

One way to accomplish this goal, the way that is in vogue in the Houses, is to bring some sophomores (who already work as a unit) that they must somehow retaliate, and to have things arranged so that the frosh can retaliate only by acting as a group, with organization and planning.

If these precepts for Initiation are accepted, then one must accept the following as allowable means of raising feeling: stunts which may tend to be embarrassing to the frosh concerned, as extremes are avoided; kip-napping of frosh to the extent of a little lost sleep or classes, and on campus, to avoid difficulties with the State; Initiation activities unrestricted as to time, day, or manner, as long as extremes are avoided; and frosh work, together, within and outside the House, and to form among them an esprit de corps, and must be the goal of Initiation.

FOOTBALL SAVED

Last week's a small delegation of frosh convinced Dr. Corcyla, Chairman of the Athletic Council, to allow frosh to play on the varsity team. This evoked a collection of frosh and making the frosh so damn much that the sophomores (who already work as a unit) that they must some­how retaliate, and to have things arranged so that the frosh can retaliate only by acting as a group, with organization and planning.

Dr. Steuber performed with most of the good qualities of each. Each House is a unity, where everybody knows everybody else, where working together is a traditional ability that all new members have to learn when they enter.

Dr. Steuber showed herself capable of performing it as it should be done. Despite a little occasional harshness this must be judged overall an inspired performance, especially the first and last movements. The most favorable impression was made in fast movements, where Dr. Steuber could best display her technical prowess. There was, however, no serious lack of emotional intensity in slower pass­ages, so that the program should be considered by everyone with the opportunity to hear it. Per­formance of the first movement of the Opus 32 sonatas run into Jan­uary, with the next on Oct. 20. Dr. Steuber showed herself capable of performing it as it should be done. Despite a little occasional harshness this must be judged overall an inspired performance, especially the first and last movements. The most favorable impression was made in fast movements, where Dr. Steuber could best display her technical prowess. There was, however, no serious lack of emotional intensity in slower pass­ages, so that the program should be considered by everyone with the opportunity to hear it. Per­formance of the first movement of the Opus 32 sonatas run into Jan­uary, with the next on Oct. 20.

Frosh On Initiation

(Continued from page 1)

the other houses and throwing parties at their discretion. I think that I had the best time when the old and the new House fought it out on the Olive Walk. Dr. Corcyla brought in the bow­lows coloring their faces with the bow­lows staining the air and the face of another frosh and greasing or painting a letter on them." When asked if it would (Continued on page 4)
**Sports**

**Soccer Team Wins**

*BY HORN SWOLLINGER*

In a hard fought Saturday afternoon game, Caltech defeated Idaho's varsity team by a score of 3 to 0. This game was characterized by rough contact playing with many injuries. In the first half, Coach Andrew's team once again had difficulties in controlling the ball in the center of the field and neither team found an advantage. The coach reapplied the tactics he used against Idaho and Caltech soon dominated the game with Trischek and Kedros scoring two goals apiece.

The second half found Caltech in control of the game at all times, although the team only managed to produce one more goal, scored by John Arboz. The JV game played earlier in the day was an even match. Both teams pressed hard and could not score in the first half. Idaho scored once in the second half for the only goal of the game.

**Football Team Wins**

(Continued from page 1) a frustrating end to the Saturday afternoon football action. As for strengths, Brennan carried the ball 11 times for 50 yards to be the leading ground gainer for Tech. Chapyak did an LPB look off the tee and his take-charge ability indicated a bright future despite his fumbles.

**Play-By-Play**

Myer's kickoff to the LAPC 5 was returned to their 39. CIT's short plays and a fourth-down penalty nullified Myer's boot, setting up a third-and-12. Harley set up a third-and-12. Harrier's kick opened the game with Trischek and Kedros scoring two goals apiece.

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**Next Week's Sports Events**

**Saturday, October 17**

*CROSS-COUNTRY*

4:15 p.m. Redlands at Caltech

*CITCO* 3:30 p.m. UC Santa Barbara at LAPC

**FOOTBALL**

8:00 p.m. Pomona at Rose Bowl

**VARITY WATER POLO**

8:00 p.m. Cal Poly at Cal Poly Claremont-Mudd

at the ICE HOUSE

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Gray Parker—Comedian

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**Harriers Much Improved**

The fresh and varsity cross country teams open their 1964 season with a meet against Redlands at 4:30 tomorrow. The meet will be held at Caltech with the fresh running a two mile course and the varsity running a three mile course.

This year's turnout in cross country is the best in several seasons. Coach Walter Mack welcomed back varsity lettermen Dick Risenberg and Pete Cross, Bob Dabney of last year's frosh team. Senior Myrard Olsen should help Mack this year in his first year of competition.

**Frosh Do It Again**

Almost one down froshmen are out for the frosh squad. Bill Potam, Steve Poltrack, Dave Kells, Dave Hammer, and others have shown considerable ability and potential. This year's freshman team certainly has a chance to down several of the other frosh teams on the schedule.

In the first two weeks of practice Coach Mack emphasized conditioning workouts. Recently the team has been out of speed and pace work with a few time trials in order to be ready for the race tomorrow.

As usual Redlands should have a very good varsity team which will give the Caltech varsity a tough race. The Redlands frosh will probably be good but the Caltech frosh should run very well against them on the home course.

**Webmen Lose To Cerritos**

Playing the toughest junior college water polo team in the area, Cerritos Junior College, Caltech's varsity water polo team met defeat, 10 to 3. The game was won by a score of 9 to 8 at Cerritos' home in Norwalk. Tech was completely outclassed even though the opposition was supplied by the opponent's second team. There were two scorers for Caltech—Nielsen, who scored one of the goals, and Gibson, who scored the other two.

**Interrhouse Softball; A Batters Paradise**

The interhouse sports season started with a literal bang this week as all seven Houses played at least one game through Tuesday. Softball is the most unpredictable of all 13 sports, the winner usually losing at least one game out of the six played. For example, fifth place Ruddock beat complete pass forced Tech to punt. From the 50, LAPC ground into a first down, but fierce defense by Mowery, Dinius, and Harley set up a third-and-12. Tech lined up to try a two point conversion failed.

**Trim and tapered Sharkskin RIDESKIN Slacks that look right feel right only $598 by FARAH manufacturing company, inc. el paso, texas**
One Saggy wended his way to various domiciles, asking to use the bathroom. Upon finding a kindly person who allowed same, Saggy proceeded to bathe his bod in said john.

Snow White and Rumpus

From Rocketty, in pursuit of Truth, Justice, and Purity, were sent eight untouchables, in guise of Snow White and the seven trolls, who Elliot Ness'd Bill Rosenden's Sin Lair and did abscend with his Vegas-variety coin sink. Thus triumpheth T, J, and P.

Ruggygruck's scummai were the amazement of the universe. Eight and 30 of them were unable to emasculate any of the fourteen sophomorons, despite the 3:1 odds in their favor. New record: four zero-man showers. Scum were ordered to fill out John passes, mark box for Trop­cal Rain Forest, march in, and twiddle the faucets. Thank Frink no one told wimps about swirl­ing.

One tender scum was endiaper­ed and left as doorstop at a USC wenchhall. The chaste maidens not wanting to invite McWilling's crib into cloister, he invited them into crib, with negative response. Exeunt Omnes before crowd of POed USC studs attacked, shouting anti-UCRAisms.

I Dreamed I Was a Golf Ball

Another athletic scum was in­structed to play a game of golf — in particular to locate ball somewhere in Smear's bustworks, and to play same out in time­honoured fashion. J. C. Single­mon was on hand with photo­snapper, and approached by Dick­less Tracy with hairy mawan, de­manding film and suspecting she­nanigans. The masculine J. C. being no coward, he immediately surrendered. Meanwhile scum looked for sphere in frenzy, by testing feel of each apparatus, under quizzical eye of store marm who, it turns out, had discovered and removed said hard nard before the search began. Then all concerned were hustled to out­side, and John CS still awaits return of camera stuffings.

Frosh

(Continued from page 2)

Passive Resistance

The only thing the frosh didn't like was that some freshmen grabbed a sophomore and tried to shower him, the other frosh would stand around saying, "Oh my gosh. What are they trying to do?" The random frosh didn't like the "passive" resistance the others would take. He also hated their false idea that the sophomores were demagogues.

To end the interview I asked the frosh if initiation had been too hard or easy. He came back with the comment, "It wasn't too easy, but not as hard as it will be for them next year."