Kenneth Boulding here next week; will speak to Y clubs

The Caltech Y is sponsoring a series of talks and discussions on campus next week by Mr. Kenneth Boulding, professor of economics at the University of California, Los Angeles.

Mr. Boulding will speak next Tuesday for the under­graduate student body in the Union on "Theories of Occupational Diseases of the Spirit with Special Reference to Engaged Writers." Wednesday evening he will talk at the graduate-faculty dinner in the faculty club on "Tastes and Values: The Ethical Basis of Knowledge." That night he will address the faculty and guests at the reception in Donbey Lounge at 7:30 o'clock on "The Economic Rationale of an Impossible Ethics." As another feature of his visit, Mr. Boulding will be at the Y's new offices in T-1 for informal coffee hours on Tuesday and Wednesday from 4:00 p.m. until 5:30 p.m.

During his stay, Boulding is scheduled to speak to classes at Oxford and did post-graduate work at the University of Chicago as a Commonwealth Fellow. Before joining the Michigan faculty, he taught at Colgate, Fisk, Iowa State, and McGill Universities.

Harvey Mudd, Tech trustee for 26 years, dies at 68

Harvey Seeley Mudd, 68, mining engineer, Los Angeles Civic leader and member of the Caltech Board of Trustees since 1942, died suddenly in his sleep in the student center at Donbey Lounge April 12. Funeral services will be conducted tomorrow at 2:00 p.m. at St. John's Episcopal Church, 512 W. Adams Blvd., with Bishop Francis Bloy officiating.

Mr. Mudd leaves his widow, the former Mildred Esterbrook, a son, Henry, a daughter, Mrs. Norman F. Syrauge Jr., and a brother, Dr. Seeley Mudd.

In addition to his duties at Tech, Mr. Mudd was a chairman of the board of directors of Claremont College, a director of the Southern California Gulf Sulfur Co., Founders Five Life Insurance Co., and a voting member of the Pacific Mutual Life Insurance Co. He was a fellow of the American Institute of Mining and Metallurgical Engineers, and was awarded a fellowship for outstanding engineering work by the National Academy of Engineering and Architecture Association.

He was instrumental in the founding of the Southern California Symphony Association in 1932. Mudd was a member of the Los Angeles Philharmonic Orchestra. He was a director of the Hospital of the Good Samaritan and chairman of the board of directors of the Welfare Federation of Los Angeles and the Los Angeles Foundation.

Other posts which he held included being a director of the California Museum of Science and Culture, a member of the board of the Huntington Library and Art Gallery, a director of the Los Angeles Public Library, and a member of the board of the Los Angeles Gaslight Theatre. Mudd was also a member of the board of directors of the University of Chicago as a Commonwealth Fellowship. Before joining the Michigan faculty, he taught at Colgate, Fisk, Iowa State, and McGill Universities.

Assembly will feature sextet next Thursday

The Lighthouse All Stars, a jazz sextet, will appear at the student assembly at 7:30 p.m. Wednesday in Culbertson auditorium next Thursday, April 28, at 11:00 a.m. The assembly will be presented by the ASCIT as a part of its new program for student rallies and assemblies.

The All Stars are composed of Bob Cooper of the Nebraska and Bud Shank, vocalist "Alto Saxophonist of The Year" by Billboard magazine, Conte Candoli, trumpet; Stu Williamson, piano; Stan Getz, tenor sax and Howard Rumsey, bass.

According to ASCIT Rally Committee chairman, Carl M. Throp, an audience of the caliber and frequency of the presentations for the remainder of the semester, is a large extent, upon the turnout for this instigator of student interest in the arts, has been extracted from the contingency fund to pay for this program.

Bradbury discusses science fiction in light of contribution to humanity and technology

by Tom Dodge

Last Wednesday evening the Pendulum brought to the students of Caltech, Ray Bradbury, well known writer of fantasy, science fiction, and children's literature. Bradbury spoke shortly about his work in science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction.

Bradbury discussed science fiction in light of contribution to humanity and technology

by Tom Dodge

Last Wednesday evening the Pendulum brought to the students of Caltech, Ray Bradbury, well known writer of fantasy, science fiction, and children's literature. Bradbury spoke shortly about his work in science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.

Mr. Bradbury stresses the role of the fantasy writer and the development of many modern technological achievements in the universe of science fiction. Bradbury spoke shortly about the development of science fiction and his own work in particular.
Midnight swimming

We have been hearing complaints from B&G and from the athletic department about some mischief-making in the student body.

Apparently some of the students here have been sneaking over the wall and into the new swimming pool at odd hours, i.e., when the pool is officially closed and no guard is on duty.

We want to avoid any suggestion about this business, because we sympathize (and fraternize) with the guilty men. However, we do feel that the weight ofargument and reason rests with B&G, and that this midnight dip stuff should cease. Also, the privilege is dangerous. All of us should realize the dangers of swimming in deep water (even in a pool) after dark and when no guard is present.

No precautions are made for the unpredictable emergency situations that always arise when you least expect them. Secondly, we understand that there is a state law, based on recognition of this risk, which forbids swimming in the absence of qualified lifeguards.

The athletic department suggests that if more students use the pool during regular recreational hours, they will be encouraged to open the pool for a greater part of the week. This is only reasonable, and we feel that demonstration of greater interest on weekends and early mornings may very well result in longer hours for the pool. We'd like to see it.

LOOKS like cashmere ... FEELS like cashmere ...

ARROW MERE-LAN IS HERE

A word of warning. We won't have them long. Arrow Mere-Lan wears so beautifully, has such a casual, yet elegant hand, that everybody wants one. Be smart, Buy TWO! You'll wear Mere-Lan for classes and social gatherings. And you'll know you're eating into the best-looking cotton sport shirt ever made. You can get yours in long or short sleeves. In a neat argyle or solid color. AND, you can get your Mere-Lan now. We're but a brisk step from your dorm. Take the step while we still have Mere-Lan to offer. A mere $3.50.

HOTALING'S
921 East Colorado St.
Open Friday Night

ARROW CASUAL WEAR
SHIRTS & TIES UNDERWEAR
HANDKERCHIEFS

EASY LIVIN'?

IT'S A PICNIC IN A FINE ARROW MERE-LAN

When relaxing time rolls around, the most comfortable shirt you can own is an Arrow Mere-Lan. Mere-Lan is cotton at its finest, but looks and feels like cashmere. You know the minute you put it on. You feel it. You look it. And you can't help but love it.

Mere-Lan is available in long or short sleeves, in muted cashmere tones, original patterns, and solid colors. Wear your Mere-Lan with a pair of Arrow walking shorts, and you own the perfect combo for the casual life.
The COOL Corner

by Frank Kofsky

Music lovers who might agree on nothing else will be certain to be in harmony when discussing the advantages of listening to the performance of "live" music as compared to that heard over the radio or from records. Even yours truly, in his humble little way, would go along with this viewpoint and advise you to hear your musical preferences in person, whenever possible. Of course it is obvious that if one is to enjoy and understand what he hears, it is advisable to see the best group possible.

What I am leading up to is the fact that one of the best groups possible (in the field of modern sounds at least), the Lighthouse All-Stars will be on campus one week from today (i.e., Thursday, April 25). Needless to say, this is a rare opportunity for friends of cool jazz (and would-be friends who are just beginning to understand it as an art form) who will have to walk no further than Calberton Auditorium to hear some of the finest and most euphonic jazz on the West Coast today.

In case it has slipped your mind, the personnel of the All-Stars consists of Bob Cooper and Bud Shank, the latter voted "Alto Saxophonist of the Year" by Billboard magazine, tenor and alto, respectively; Conte Candoli on trumpet; Stan Williamson on piano; Russ Levry on drums and of course, Howie Rumsey on bass. Virtually nothing about progressive jazz may wonder what there is to enjoy it when presented to him in this coming assemble.

The Lighthouse All-Stars will be a powerful factor in influencing the Board of Directors to continue presenting high caliber assemblies. A poor showing next Thursday might well mean a drastic curtailment of the Board's budget which in effect spells the death warrant for good presentations. On the other hand, a large turnout would convince the Board to spend more money on your assembly program. Hence if you are dearest of having interesting and valuable programs in the year to come, I would strongly urge you to turn out to see the Lighthouse All-Stars next Thursday, at eleven a.m. in Calvinson.

Jazz Notes From All Over: Los Angeles Division — Tomorrow night Gene Norman is presenting another concert at the Shrine Auditorium. The performers will be Stan Kenton and his orchestra, lovely June Christy, and of all things, Earl Bostic. In my opinion, Bostic does not even belong in the same city as the former two, let alone on the same stage. I don't know what Mr. Norman is up to, but as long as he mixes excellent performers such as Kenton, etc., with fugitives from (ugh!) rhythm and blues like Bostic, he is losing the business of myself and others who don't like hash in the caviar. Norman did the same thing a few weeks ago when he lumped Four Freshmen with a conglomerate of "B and B" trash. To me it looks as though Norman the esthete has taken a back seat to the music business. Oh well, we didn't really like good music anyhow.

Caltech IRE members to attend regional conference next month

The campus IRE student branch will take a holiday on Tuesday, May 3 for the Southern California IRE Conference featuring: 1) professional group programs, 2) field trips, 3) a free dinner, and 4) a session meeting in the evening with coffee and doughnuts.

The program will start at 1:00 p.m. at the IAS building in Los Angeles, and will end at 10:00 p.m. Participating will be all technical schools in this area including USC, UCLA, Cal Poly, Caltech. Some of the speakers to be heard are: Dr. Joe Pettit, of Stanford; Dr. Ernst Krause, Director of the Lockheed Missile Division; John Byrne, Director of Motorola at Riverside; Dr. Field, of Tech; and John Hillard, Chief Engineer of All Electronics.

The topics will range from Computer Engineering and Audio to scientific research in the development of missile systems. The cost for the day will be twenty-five cents for registration; the dinner is free.

Anyone interested in attending this conclusive should contact Tom Taussig or Pete Stair in Old Dorm today or tomorrow.

Editors announce Pendulum deadline

Those who wish to contribute to this term's issue of Pendulum are advised by the editors that the deadline for material is now Monday, April 25. All copy should be submitted typed, double-spaced on standard typing paper. Editors are Mike Bough, Jim Espenson, Tom Short and Chuck Ildeen, Blacker.

CAMPUS BARBER SHOP

In Old Dorm Where Else? Come In. Welcome Paul A. Harmon

When you're flat broke and feeling kind of mean... And Pop comes through with some spending green... M-m-man, that's pure PLEASURE!

For more pure pleasure... SMOKE CAMELS! No other cigarette is so rich-tasting, yet so mild!

P.S. No other brand has ever been able to match the pure pleasure in Camel's exclusive blend of costly tobaccos — one of the reasons why Camels are America's most popular cigarette.

By Frank Kofsky

Music lovers who might agree on nothing else will be certain to be in harmony when discussing the advantages of listening to the performance of "live" music as compared to that heard over the radio or from records. Even yours truly, in his humble little way, would go along with this viewpoint and advise you to hear your musical preferences in person, whenever possible. Of course it is obvious that if one is to enjoy and understand what he hears, it is advisable to see the best group possible.

What I am leading up to is the fact that one of the best groups possible (in the field of modern sounds at least), the Lighthouse All-Stars will be on campus one week from today (i.e., Thursday, April 25). Needless to say, this is a rare opportunity for friends of cool jazz (and would-be friends who are just beginning to understand it as an art form) who will have to walk no further than Calberton Auditorium to hear some of the finest and most euphonic jazz on the West Coast today.

In case it has slipped your mind, the personnel of the All-Stars consists of Bob Cooper and Bud Shank, the latter voted "Alto Saxophonist of the Year" by Billboard magazine, tenor and alto, respectively; Conte Candoli on trumpet; Stan Williamson on piano; Russ Levry on drums and of course, Howie Rumsey on bass. Virtually nothing about progressive jazz may wonder what there is to enjoy it when presented to him in this coming assemble.

The Lighthouse All-Stars will be a powerful factor in influencing the Board of Directors to continue presenting high caliber assemblies. A poor showing next Thursday might well mean a drastic curtailment of the Board's budget which in effect spells the death warrant for good presentations. On the other hand, a large turnout would convince the Board to spend more money on your assembly program. Hence if you are dearest of having interesting and valuable programs in the year to come, I would strongly urge you to turn out to see the Lighthouse All-Stars next Thursday, at eleven a.m. in Calvinson.

Jazz Notes From All Over: Los Angeles Division — Tomorrow night Gene Norman is presenting another concert at the Shrine Auditorium. The performers will be Stan Kenton and his orchestra, lovely June Christy, and of all things, Earl Bostic. In my opinion, Bostic does not even belong in the same city as the former two, let alone on the same stage. I don't know what Mr. Norman is up to, but as long as he mixes excellent performers such as Kenton, etc., with fugitives from (ugh!) rhythm and blues like Bostic, he is losing the business of myself and others who don't like hash in the caviar. Norman did the same thing a few weeks ago when he lumped Four Freshmen with a conglomerate of "B and B" trash. To me it looks as though Norman the esthete has taken a back seat to the music business. Oh well, we didn't really like good music anyhow.

Caltech IRE members to attend regional conference next month

The campus IRE student branch will take a holiday on Tuesday, May 3 for the Southern California IRE Conference featuring: 1) professional group programs, 2) field trips, 3) a free dinner, and 4) a session meeting in the evening with coffee and doughnuts.

The program will start at 1:00 p.m. at the IAS building in Los Angeles, and will end at 10:00 p.m. Participating will be all technical schools in this area including USC, UCLA, Cal Poly, Caltech. Some of the speakers to be heard are: Dr. Joe Pettit, of Stanford; Dr. Ernst Krause, Director of the Lockheed Missile Division; John Byrne, Director of Motorola at Riverside; Dr. Field, of Tech; and John Hillard, Chief Engineer of All Electronics.

The topics will range from Computer Engineering and Audio to scientific research in the development of missile systems. The cost for the day will be twenty-five cents for registration; the dinner is free.

Anyone interested in attending this conclusive should contact Tom Taussig or Pete Stair in Old Dorm today or tomorrow.

Editors announce Pendulum deadline

Those who wish to contribute to this term's issue of Pendulum are advised by the editors that the deadline for material is now Monday, April 25. All copy should be submitted typed, double-spaced on standard typing paper. Editors are Mike Bough, Jim Espenson, Tom Short and Chuck Ildeen, Blacker.

CAMPUS BARBER SHOP

In Old Dorm Where Else? Come In. Welcome Paul A. Harmon

When you're flat broke and feeling kind of mean... And Pop comes through with some spending green... M-m-man, that's pure PLEASURE!

For more pure pleasure... SMOKE CAMELS! No other cigarette is so rich-tasting, yet so mild!

P.S. No other brand has ever been able to match the pure pleasure in Camel's exclusive blend of costly tobaccos — one of the reasons why Camels are America's most popular cigarette. . . .
**Horseiders lose again**

Sparked by a four hit attack and only seven fielding mistakes, Caltech's varsity baseball team was somehow able to lose their third straight league game to Redlands. Coming through in fine style, the boys were beautifully successful as they allowed three errors and one third inning run, while Redlands was scoring seven.

Picking from his own mound, Dave Farmer was nearly untouchable as Tech batters were concerned as he struck out nine while walking only four. Ray Wollman led the Blue and White for the Beavers giving the opposition six hits, including a home run and a double, striking out ten men and putting five.

Redlands jumped into the lead in the first inning when two hits and an error brought two men across home plate. Tech's one run in the third inning was quickly matched when Doyle Edson circled the bases for Redlands. The Bulldogs iced the game in the fourth inning on a four run surge.

Besides the lack of hitting, batting and pitching, the Beavers have been hampered by injuries. The latest main to bite the dust was Hal Morris, first string third baseman, who suffered a broken nose when hit by a ground ball that took a bad bounce. Also missing the Redlands game was Al Goldberg with a sore arm. Jim Melvin filling in at first came through with Tech's first hit of the game, a liner to right field. Other hits were collected by Dick Waggener, George Madison and Gene Nelson.

Early in the week, the Price brothers were wiped out by Loyola's La Verne 7-1. A combination of poor pitching by Jim Snyder and three errors in the field gave La Verne their third win of the year. Snyder walked four men and gave up five hits in the five innings he pitched. Flores, La Verne pitcher, held the Beavers to just four hits in seven innings.

As usual, weakness at the plate and in the field made it strictly no contest as far as La Verne was concerned. The Beavers reversed their form completely as they had already beaten La Verne earlier in the year.

**Linksmeen even league record; defeat Oxy**

Last Friday the Tech golfers managed to break into the win column by taking the big one—with Oxy. The score was 20-16 and competition was close in all matches. George Macdonald won his match 60 to 26 as the team leading scorer. Jack Schmitt and Jim Robinson also won their matches 60 to account for most of the remaining Tech score.

The top half of the golf ladder seemed to be washed out. Paul Farley lost 51-9, Pete Abbey lost 60, and Paul Lindor was dumped 5-1.

Tech now has a 500 record in conference play. Tomorrow the Beavers will play in the SCIAC 36 hole medal play tournament at Hacienda Country Club.

Last year in this tournament Tech placed fourth overall, the only teams besting us being Southern California, UCLA, and Loyola. This year's team appears to be considerably weaker than last year's powerhouse club that won the conference title.

**Swimmers dump Redlands for first conference win**

Last Friday at Redlands the Tech swimmers began their conference competition by winning their first meet of the year. The meet was very close all the way, being decided by the relay to the tune of 48-36. Tech's victory in both relays was the major deciding factor.

Leading the Beaver scorers were Jim Ball with a first in the 50 yard freestyle and a second in the 100 yard backstroke. Jim had a first in the breaststroke and a second in the individual medley. Both of them also swam a leg on a winning relay.

John Bush contributed a second and third in the 100, and swam on the freestyle relay. Dick Johnson grabbed a second in the backstroke and turned a leg on both relays.

Distance swimmers Dave Ryno and Dave Anderson both scored events, with Dave taking a second in the 220 and tricky to bag second in diving. Ross Brown accounted for Tech's other second place in taking a close second in the butterfly.

The frosh had an easier time of it than the Bulldogs. The Interhouse cup to Blacker.

The Beaverball sweep of both relays gathered many points. Their only other first was taken by Don Wilberg who was closely followed in by Keith Martin in the breaststroke.

Yesterday the team met Whittier and tomorrow the varsity will meet Mt. Sac while the frosh meet Riversid.

**What young people are doing at General Electric**

Young manager handles finances for building of $5,000,000 plant

In the next ten years, the demand for General Electric industrial heating equipment will double. To meet this demand, a giant new plant (model at right) is being built at Shelbyville, Indiana.

The plant will cost $5,000,000, and the man responsible for handling finances for the entire job is 32-year-old R. E. Fetter. Dick Fetter's work as Financial Manager of the Department began long before General Electric started building the plant. He and his group first had to estimate probable operating costs and predict whether the plant would be profitable.

Now, during construction, Fetter's chief concern is keeping track of all the expenses on the $5,000,000 project. When the plant is completed, he will set up a complete financial section and manage everything from tax, cost, and general accounting to payrolls, budgets and measurements, and internal auditing.

25,000 college graduates at General Electric

This is a big job. Fetter was ready for it in a careful step-by-step program of development. Like Fetter, each of the 25,000 college graduates is given his chance to grow, to find the work he does best, and to realize his full potential. For General Electric has long helped him. When young, fresh minds are given freedom to make progress, everybody benefits—the individual, the company, and the country.

**Netmen lose to Redlands**

Tech's tennis squad went down in defeat to a fine Redlands squad in the Interhouse meet last Saturday. The score was 7-2, and it kept Redlands' undefeated record unmarred.

Tech now has an even 2-2 record in conference play.

The Beavers gave the league leaders some real competition in the doubles, however. In their two wins of the match in the second and third doubles as the teams of Gil Beesley with Gene Barnes and Jim Ball with Tom Hayes prevented a Bulldog sweep. Al Yano and Bernie Mueller dropped a close first doubles match 8-4, 9-7.

Redlands swept through the six singles matches. Gene Barnes, playing third singles for Tech, dropped a close set match in the closest singles of the day.

Today in T.P. Lamb's men will lay their overall eight win three loss season's record on the block as they tackle Loyola.

**Interhouse sports**

The Interhouse trophy might well be sewed up by Blacker this week as the bulldogs participate in the gridiron sport.

Another loss by Davey which is now looking like a lost season in the overall standings would force Blacker to win their last two games.

Rickets leads in the football game at the present. The Row-dogs have pronounced Hidy Doxy over both Blacker and Blacker in their first two games. Ronny Watanabe had a big day in both of their victories. In beating Davey 8-2 Watanabe spearheaded the Bulldog ganging with Gene Barnes and Jim Ball with Tom Hayes. Davey lost 20-0.

In another game last week Throop met Los Angeles 7-2 before succumbing 20-20.

Davey last game was at the end of three quarters when the campus house suddenly came to life. Davey was saved only by the final horn as the Throop men pushed over their final victory in the last play of the game.

**Progress Is Our Most Important Product**

**General Electric**

**CARL'S**

**CALTECH BARBERS**

905 E. California

57-3-1554
Trackmen top Bulldogs; grab third straight win

Caltech's varsity track team clobbered Redlands, 97-34, last Saturday at Paddock Field, in a tune up for this Saturday's all-important meet with Pomona-Claremont. Beavers took 12 out of 15 first places against the Bulldogs as they ran up the largest Tech score of the season.

Jim Tyler was once again high point man, getting 15 points by winning the broad jump with a leap of 20 ft. 11 3/4 in., tying for first in the high jump at 5 ft. 11 1/2 in., and taking seconds in the 100 yard dash and the shot-put.

Phil Conley, bothered by a sore elbow, threw the javelin only once, winning with a toss of 173 ft. 2 1/4 in. He then went on to place in four other events, tying with Tyler for first in the high jump, and taking thirds in the shot-put, broad jump, and the low hurdles.

Wileman and Taylor Double

Roger Wileman timed in a good double, winning the 220 in 22.1 in a few moments after taking the 440 in 51.6. Don Taylor matched Wileman with a twin win in the hurdles, capping the lows in 25.5 and the highs in 16.6.

Byron Kough of Redlands won the mile in 4:40.1. Beaver Fred Witteborn won his third straight win in the mile, placing with a 4:41 clocking, and came back later to win the two mile in 10:41.9.

Rod Supple outprinted Don Lewis to take the 880 with a time of 2:00.6. Lewis was caught in 2:01.3. Ted Lang peddled the discus 133-ft. 8 min. to easily cop his event, and Jim Lloyd rounded out Tech's string of firsts by winning the pole vault.

Tom Trilling placed in each hurdle race, second in the low and third in the highs, and John Lukesh was third in both sprints.

Other Tech places

Arne Kalm finally broke his season long jinx, and broad jumped 20 ft. 7 1/4 in. for second place. Marty Tangora picked up second in the 440, right behind Wileman, and Lewis leaped in for third. Sam Sims came through with a second in the discus, and Chuck Luke picked up third in the javelin. Bob Norton was third in the pole vault and Dave Crowther chugged around for a strong third in the two mile.

When Redlands did not enter a relay team, Lakesh, Sims, Kalm, and Tangora teamed up to run a somewhat relaxed mile relay, ending a rather successful day for Tech.

Frosh sports

Caltech's frosh won their first diamond encounter last week, edging Los Angeles Pacific Bible College 6-1 on Tuesday. Tech scored four times in the first inning and twice in the final one to sew up their first victory. Tony Howell was the winning pitcher, giving all the way.

After jumping to an early 8-3 lead last Saturday, Pasadena Nazarene came back on Tech's sloppy fielding and many walks to take the game 17-9.

The Redlands frosh proved too much in track last Saturday. Victories for Tech occurred in the 100 with Cleveland, the 220 with Howells, the two mile with Moore, while Van Kirk took the one mile jump and tied with Burntbrock for first in the high jump. This week the frosh track team will meet Pomona-Claremont's Rosecrans Saturdays afternoon at our own field at the same time as the varsity meet.
BRADSBURY DISCUSSES

It was the considered opinion of many of those present at this hour of entertainment and enlightenment that the Caltech student body should have more opportunity to meet people like Mr. Bradbury, people who have a healthy philosophy of life and maintain a constructive skepticism.

KENNETH BOULDING

Of his interests Kenneth Boulding has this to say: "I'm interested in the general problem of the contrast between the 'heroic' ethic of the Bible and of religious experience, and the 'practical' or 'economic' ethic of ordinary life. . . . I'm interested in the Christian foundations of Quakerism and of the peace testimony, and whether this can be reconciled with a 'political' pacifism. And of course I'm interested in poetry and how this relates to the spiritual life."

While Boulding is on campus, he will be living in the guest suite in Ricketts House.

CALIFORNIA TECH

Thursday, April 21, 1955

Ruth Randall

The school teacher who owns an oil company

Ruth Randall teaches Latin at San Bernardino High School, San Bernardino, California.

In 1939 she invested part of her savings in 50 shares of Union Oil Stock. This makes her—along with some forty thousand other people—an owner of the 45th largest industrial company in the country.

And entitles her to examine the report card on our sixty-fifth year of business.

It was the largest in our history. Our customers paid us $351,731,678.

We didn't keep all of this money, of course. 16.8% of it we paid to our 8700 employees as wages and benefits.

4.8% went for taxes. (This does not include $60,000,000 additional in fuel taxes which we collected for the government.)

68.2%—by far the lion's share—we divided among more than fifteen thousand other companies and individuals with whom we do business.

This left us net earnings of 10.2%. From which we paid shareholders like Miss Randall 4.5% as dividends for the use of their money, and reinvested the remaining 5.7% in necessary expansion and modernization of facilities.

We hope Miss Randall is pleased with this report. We are certain she should be pleased with herself. For in wisely investing in American industry for her own security, she has helped to create a higher standard of living for everyone.

* * * *

YOUR COMMENTS ARE INVITED. Write: The President, Union Oil Company, Union Oil Bldg., Los Angeles 17, Cal.