Eighty-two professors attended the Four Profes­ 
sors Board Test discussion at the Caltech Glee Club: 
Tobin Professor of Industrial Relations, Arthur Carr­

A record crowd filled PCC auditorium to hear 11 and other glee clubs Saturday night.

Sing Draws Record Crowd; 
Tech Rated Among Best

A record crowd of 1,960 music lovers attended the 1958 Inter­
collegiate Choral Festival last Saturday evening as the Caltech Glee Club played host to eleven performing groups from Occidental, Po­

The Caltech Club put on “the most successful Festival in history,” according to director Olaf Froshomb, who received numerous com­
pliments from guest performers on the organization and hospitality shown by the local men. The directors agreed that the overall cal­iber of singing was higher than it has ever been, said Frosh­
omb.

Festival regulars credited the Tech singers with their best ef­
fort yet. In the opinion of Pierre Ricketts, former director of the event on tape for Froshomb, the technique shown by the Glee Club was equal or superior to that of other men’s clubs, including Occidental’s. The Occi­
dental Men’s Glee Club is gen­
erally considered best on the West Coast.

The Caltech choristers kicked off the annual event appearing in their traditional white dinner jacket, not rented this time, but 
their own, as the Glee Club was finally able to finance this addi­tion to their wardrobe through the Gen angle Service League gift and a loan from the Institute.

Y Discusses 
Labor Topic

The YMA is sponsoring a seminar on the problems of labor in connection with the Vic­

On Wednesday, May 7, Gover­nor Goodwin Knight will talk from the group from 12:30 to 2:30 P.M. Governor Knight is the Republic­
can candidate for California Sen­
ator.

On Monday, May 13, the group will discuss the economic influ­
ences of labor with Arthur Carr­
tens, Professor of Industrial Rel­
ations at UCLA.

Wednesday, May 14, they will speak with Victor Beutler, and

Democratic candidate for the

President.

In preparation for the seminar, students will read two pamph­
lets, “Union and Union Leaders” by the Own Coalition and “Economic Power and the Free Society” by Cleve Moler.

Students may sign up for the seminar at the Y office until May 5. Signups are limited to fifteen students.

Announcements

CLASS ELECTIONS SET MAY 13

Elections for class officers will be held Tuesday, May 13, accord­
ing to the election committee chairman Doug Shakel. Nominees will be chosen at lunch meetings next Tuesday. Final nominations will be held Thursday, May 15.

CAMPUS CRUSADES RETURN

The Campus Crusade Team will return to Tech tomorrow for the first time since last Thursday. A lunchen lecture series by the Caltech Christian Fellowship.

Dr. Virgil Weidemann, a Tech astrophysicist, will begin the series with an Empirical Approach to Evangelistic Protestantism.”

The team last visited the campus in January.

CEETOUNT

Colored slides of earthquake damage to buildings in Mexico City and recent construction work on the 700 foot Glen Canyon Dam on the Colorado will be featured at the meeting for freshmen interested in the Civil Engineering option.

Photos of Professor Hannah and Books will direct the meeting which will be held Wednesday, May 7 at 4 p.m. in 206 Engineering.
Editorial

Y Letter Provokes Odd Reaction Among Students

Last week a letter was sent to Time magazine bearing the signatures of 261 students and 75 faculty deploring the newsmagazine's April 21 treatment of the National Committee for Sane Nuclear Policy, singling out for criticism the story's reference to Caltech's own Dr. Linus Pauling.

The Y members who circulated the letter were able to arouse a surprising amount of interest on campus, judging from the volume of the response. They also managed to arouse some truly astonishing reactions in certain quarters of the student body.

For instance, in one of the Student Houses, someone thought it prudent to suggest, in a lunchtime announcement, that those who signed the letter took a chance on endangering their security clearance. His unspoken premise was that the Time article had charged by implication that the Committee is dominated by Communist sympathizers, or dupes of Communists, and that the U.S. government might not take too kindly to anyone who publicly criticized the article.

Such a suggestion is nonsense. But the implication that the government has become so intolerant of free expression of opinion that it presumes to exercise censorship in this manner was met with no alarm. The implication that the students themselves should voluntarily submit to such censorship was met with no indignation.

The fact that a number of students in that House ultimately did submit themselves to such censorship, implied or otherwise, was met with no distress. The issue is not the appropriateness of the sentiments expressed in the letter. Many refused to sign the letter because they genuinely disagreed with the contents. The issue is that a number of students who privately admitted sympathy with the protest preferred not to sign because of the nebulous suggestion of a threat by a government agency. They were willing to accept the fact of such an imposition on their freedom of opinion, whether the fact is truth or nonsense, without question and without protest.

We find it hard to believe that so many students at Tech have become indifferent to the democratic traditions in this country. We maintain that students, as young members of an "educated" minority, must accept the responsibility of understanding and protecting these democratic traditions. They must show the courage to express and defend a controversial opinion, and they must be quick to resent any attempt to control their opinion.

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Profs Discuss Bomb Tests

(Continued from page 1)

16 mc. per square mile, and in the United States, where tests have been held, the average is 22 mc. per square mile.

Biological Effects

Dr. Edward Lewis, Professor of Biology, spoke next on "The Biological Effects of Radiation on Mammals." He felt that the most serious effects of radiation are the effects it has on female mammals. According to Lewis, 2 per cent of all births exhibit mental and physical gross defects. Ten per cent of these are estimated to be due to radiation, natural and otherwise. This means that per generation 2,000,000 gross defects, due to radiation, are produced in the world of which an estimated 10,000 are due to fallout radiation.

He estimated that 10 leukemia cases and 200 deaths result in the United States every year from fallout radiation.

Lewis also presented a graph, plotting leukemia incidence against radiation exposure, to support his contention that there is no "radiation threshold" below which radiation has no harmful effects on the human body.

Feasibility of Monitoring Tests

Dr. Frank Press, Professor of Geophysics and Director of the Seismologic Lab, talked next on "The Feasibility of Monitoring Tests." On the subject of detection of tests, Press pointed out that all tests on and above the ground can be detected with barometric and seismological devices. Detection of underground tests presents a problem. Explosions greater than two kilotons can easily be distinguished from earthquakes. Smaller disturbances must be investigated in the field to determine the cause.

Press recommended that a network of monitoring stations be set up all over the world, possibly under United Nations control, to detect tests over two kilotons. Later these stations might be manned with field teams to investigate explosions under two kilotons, and even later the stations could be expanded to do such things as missile monitoring.

Looking to Future

Dr. Harrison Brown, Professor of Geochemistry, spoke last on "1980 Without Arms Control." His argument for the discontinuation of tests was based on an estimate by the National Planning Association that 25 years from now, at least 15 nations will be in command of the technology to manufacture nuclear armaments, and that in another 25 years that figure will have risen to 50 nations.

Stopping tests would slow down the advance of technology needed to wage nuclear war and would give us, therefore, more time to secure agreements on disarmament and worldwide monitoring stations. If the spread of technology is not slowed and 15 nations are capable of waging nuclear war, 25 years retaliation against an unknown aggressor becomes a ridiculous defense, he said.

The talks were followed by a question and answer period, supervised by panel moderator Dr. George Beadle.

Visiting Singers Get First Look At Caltech

Roving Reporter Gathers Impressions, Hears Comments

By Martin Carnoy

B y Saturday afternoon the first formal dresses were dressing into the courtyards, and the white jackets and orange ribbons were providing information to some of the slightly last visitors from the outer world.

This was many a Techman's dim view of the Glee Club Festival. The guests disappeared temporarily from sight as they entered the spacious dining rooms to consume their $1.75 meals and then hurried off to expand the lungs at a mixed audience. To most at Caltech, the traffic through the lawn was the end of their encounter with the members of the visiting glee clubs.

However, the intruders had a wonderful opportunity to scrutinize the campus and the men of California and Wilson. They saw, many for the first time, what the brains and their houses looked like.

This reporter, disguised as a common student, broke into the exclusive party held at Debye Hall after the concert, and interrogated some blue ribbons and dates.

"I always kinda thought that, well, all the guys would sort of be up in the air looking down at all of us, you know what I mean —real stuffed shirts, but they're really not like that at all. They're kinda nice, in a way," a UCLA redhead mumbled at the punchbowl. Before I could ask her to dance, her date interrupted me.

"You know your campus looks quite a lot like Stanford." I was surprised, but surprisingly agreed that the clean beige stucco walls didn't give a rather Stanfordian air.

"Yes," he continued, slipping his punch simultaneously, "I never imagined this place to look like this. I thought it would be more like a factory, and labs and stuff all over the place, and guys in lab aprons going around thinking, ugh!"

"I like your school a lot, the bouncy brunettes from Long Beach State buzzed on. 'I didn't know what to imagine Caltech was like. I mean I wasn't very worried about it, if you know what I mean. I really like your campus.' The walls are all covered with ivy, and everything. That's next. Our school is real new, and the ivy is just starting to grow, and we have to eat off these noisy plastic plates in a cafeteria, and all like that."

"How new is your school?" I came back, wryly.

"Oh, we were founded in 1949. We had our eighth anniversary this year. Our school is real surprising, but suavely agreed on the eighth anniversary."

"I guess you shouldn't question the word of your president."

"I always kinda thought that, her forehead ever so slightly."

The talks were followed by a question and answer period, supervised by panel moderator Dr. George Beadle.

Tech's hosting glee club packed SB visiting singers and Athenaean to feast on the fine campus cuisine before the Festival last Saturday.

Guest glee club members dance away the strains of their performance to the tune of a local combo in Debye Hall. The Tech Glee Club sponsored the dance as part of the Festival.

Double-header! wear the ARROW Bi-Way Sport open or closed

You get extra innings of wear from this convertible collar, because it's ready wherever you go. Close it with a tie or wear it open... with equal ease. There's an extra measure of comfort in its Arford collar design. Every inch of the open-weave fabric looks crisply neat, even on the hottest days. From $4.00. Chaps, Peabody & Co., Inc.

ARROW Casual Wear

Let us make it an ARROW Bi-Way summer

That means your coolest, most comfortable summer yet. And whether you wear the Bi-Way's collar open or closed, its famous Arford design keeps it Arrow-crisp all day. Choose this breezy lightweight with long or short sleeves, from $4.00.
Heard From The Wings

Long Day's Journey Staged At Biltmore

by Joel Yellin

Now playing at the Biltmore is O'Neill's autobiographical dra­ma, “Long Day's Journey Into Night.” If you're prepared to spend five dollars a ticket, you'll have an unforgettable dramatic experience.

Quasi-Music

The newest feud in the ultra­sophisticated society of composer­s of quasi-music (i.e., music involving no animate perform­ers), is the use of recordings of missile firings. Since about 1948, various composers have been ex­perimenting with purely mech­anical methods of producing mu­sic. Predominant in the group is the German, Werner Egk, form­erly a perfectly normal producer of ultra­iana. The tools of this interesting art form are oscil­lators, etc.

Subscription FM Station

Of interest is the efforts now being exerted towards obtaining a subscription FM station in southern California. The plan worked out 3 7/10% in Berkeley where ten thousand people each contributed a dollar a year and were rewarded with commercial­free programs of classical mu­sic. Of course the plan ran into difficulty owing to the opposition of regular commercial stations. If you're interested and want to subscribe a dollar or so, see Bob Blandford for details.

Techman Writes Sonata

The versatility of Tech stu­dents was proved beyond a doubt recently when off-campus junior Arthur McFar said a piano sonata which was given its premiere at Santa Barbara's Music Academy of the West. George Randor, Columbia re­cording artist, and now professor of music at Southern Methodist University, gave the performance. Dr. Donald Ford, composi­tion teacher at the Academy, tells us the work received an enthusiastic reception.

Horowitz In Town

Information from usually re­liable sources tells us that Vlad­imir Horowitz will probably be making a Pasadena appearance sometime in June. Unfortunate­ly we weren't able to get spec­tators to see the performance. This writer is waiting for a recording of the composer's opera “David,” performed with great success at the Hollywood Bowl a year or so ago. Also for those who can stand dissonance, the Columbia recording also con­taining works by Leonard Bern­stein.

Recommended For Listening

In the modern-music-recom­mended-for-listening column: Da­rius Milhaud's “La Creation du Monde.” Milhaud is always wond­erfully interesting, even if he seems pedestrian and far dis­satisfied at times. The most famili­lar recording of this is of course, the Columbia recording also con­taining works by Leonard Bern­stein.

Jazz Beat

Nat Adderley — To the Ivy League from Nat Mcary MG 26100 featur­ings: Nat Adderley, cornet; Cannonball Adderley, alto; Junior Mance, piano; Charles Wright, drums; Sam Jones, Al McKibbon, bass.

The album is pitiful. Through­out the entire set, Cannonball fights against odds (41) trying to turn out something of worth. ALLOW ME to emphasize the fact that Cannonball should not be condemned with the rest of the group. He, as always, plays well. He swings, when the rhythm section sets him, and his lines are worth listening to. His tone is full and rich, with a vi­brato which is perhaps just a bit too fast. This record is very likely the worst that he's put out, due primarily to the rest of the group.

Nat Adderley is bad. That's all. it's quite simple. He plays loud, fast, and high, but so can Lawrence Welk. He also takes the bulk of the solos, which usu­ally turn out to be meaningless biltterings (as in lidles). The in­liner notes claim that Nat sounds like Clifford Brown, which is not particularly un­usual, as they both play horn.

The pianist, Junior Mance, is the worst I've heard in some time. As far as comping goes, he is only mildly innocuous, but when he solos, he's positively amateurish. In fact, he's the rankest amateur that I've heard recorded, in the true sense of the word, rank.

THE NEARNESS OF YOU is the biggest farce. Cannonball starts off nice and lyrical, but he is rudely interrupted by Nat who twiddles for a full chorus under the mistaken impression that he's swinging. Cannonball breaks in again and tries to save the track, but Nat insists on put­ting in his ridiculous ending.

Some of the record isn't really bad, but in general it is highly disappointing. Let this account serve as a lesson to those of you who would buy a record without listening to it—As did.
Redlands Tops Swimmers; Mayer Stars

Coach LaBrucherie Seeks New Talent

Darbs Favored in Basketball

Baseball

The baseball team has started their season off well, with a victory in their first game against Whittier, 6-0. The team is looking for another big win this weekend against Occidental.

Horses Beat Redlands; Then Split With Whittier

Leonard, Van Kirk Pace First Victory

The Caltech team finished their dual meet season in good form by winning the last two meets.

Win In First Try

Tony Leonard, running the mile for the first time, ran a smart race, staying even with Perez from Whittier until the last turn, then passing him and winning by about five yards.

Triumph Over Four

In a five-way meet last Saturday, the biggest upset of the week was Pullman's 70-70 victory over the Poets. The Poets put up a good fight, but they couldn't keep up with the strong teams.

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Coach LaBrucherie Seeks New Talent

Spring football practice is scheduled to begin Monday, May 5, at 4 p.m.

“Because of the loss of nine stars from last year’s team, every position is wide open,” said Coach LaBrucherie.

An interesting event of the week was the 100-yard dash, which was won by Tony Leonard.

Baseball

The baseball team has started their season off well, with a victory in their first game against Whittier, 6-0. The team is looking for another big win this weekend against Occidental.
Spikers Edge Whittier, 661/2-641/2

(Continued from page 9)

Five-Way Meet
Caltech Varsity, 83½; Cal Poly, 41½; Westmont, 35½; Caltech Fresh, 31½; Pasadena Nazarene, 28½.

Mile: 4:02.2; Counter (P), Cox (W), Rucker (CT).

B.J.: 22 ½"; Van Kirk (CT), Richards (P), Gunckel (CT).

440: 51.3; Forbess (CT), Leonard (W), Purnell (CT), Frosh (CT).

51h: 18° 10°; Hahner (W), Purnell (CT), Lothvir (CTF).

880: 2:00.5; Leonard (CT), Ahr- (CT), Grey (CP).

220: 21.8; Kildd (P), Van Kirk (CT), Forbess (CT).

440: 51.3; Eisenman (P), Richardson (CTF), Loebbacka (CT).

2 mile: 11:10.6; Eisenman (P), Richardson (CTF), Loebbacka (CT).

110 h.: 25.0; Krehbiel (CT), Van Kirk (CT), Southlander (CT).

Discus: 130 54°; Hahner (W), Stewart (CTF), Pitzer (CT).

Mile Relay: 3:32.9; Caltech, Caltech frosh, Westmont, Poly Vaul. 12° 7°; McKinnon (CP), Weaver (CTF), Ingram (W).

Van Kirk (CT).

Jav.: 17° 11°; Purnell (CT), Sarthov (W), Paull (CT), Konrad (CT).

220 h.: 25.2; Peden (W), Krehbiel (CT), Donner (W).

Shot: 40° 3°; Aaro (W), Sarthov (W), Hailey (W).

220 L.H.: 25.2; Peden (W), Krehbiel (CT), Donner (W).

Hahner (W), Ruecker (CT).

Vander (CT), Fopiano (W), Gunckel (CT).

120 H.H.: 16.5; Van Kirk (CT), Van Kirk (CT), Ahr- ens (CT), Hailey (W).

220 22°; Van Kirk (CT), Tebbs (W), Forbess (CT).

17° 11°; Purnell (CT), Sarthov (W), Krehbiel (CT).

12° 7°; Peden (W), Paull (CT), Konrad (CT).

220 L.H.: 25.2; Peden (W), Krehbiel (CT), Donner (W).

12° 7°; Peden (W), Paull (CT), Konrad (CT).

Van Kirk (CT), Hahner (W), Ruecker (CT).

His topic will be announced later.

Next Wednesday sees a rematch against Westmont.

Horses beat Redlands

(Continued on page 5)

Starter against Oxy McKenna, with Walsh and Price ready to relieve. Next Saturday, Tech faces Redlands at Redlands, with Walsh and Price expected to start the doubleheader and How­ ell and Kaplan ready to relieve. Next Wednesday sees a rematch of Oxy and Tech, again at Occi­ dental's diamond.

The box scores:

Redlands 010 320 000 4 8 4
Caltech 010 103 090 9 13 1
Whitller 100 005 000 6 6 5

Caltech 000 000 000 0 0 0
Whitller 004 003 0 9 9 0

Model U.N.

(Continued from page 1)

A Tech Favorite

Alfredito’s exclusive filtering action


will appear in the next issue of this magazine. The cost of the movie is forty-five cents or a season ticket.

On May 3, the YMCA Board of Directors will meet at five p.m. in the Y Lounge.

On May 9, Dr. George Laties, Senior Research Fellow in Biology, will speak at the Undergraduate Lunch Club at noon in the Training Table Dining Room.

The couple’s diamond.

The show consists of the best loved topics as the conference, was declared to be within the do­ mestic jurisdiction of France and therefore undebatable by the UN. Australia supports this point of view.

A amendment to the UN Charter increasing the size of the Security Council from 11 to 13 members was the most impor­ tant action taken by the Ad Hoc Resolution Committee. Wilkin­ son helped to draft the final resolu­ tion and gave the majority report a flavor before the General Assembly. A resolution censor­ ing the Union of South Africa for their policies of apartheid was also passed. Australia opposed the action, again using the do­ mestic jurisdiction argument.

Undergraduate Lunch Clubs

The Freshman and Undergraduate Lunch Clubs have united for the rest of the term. The first combined meeting was held last Monday. For the convenience of many members, the date of meet­ ing has been moved to Friday noons beginning with the meeting on May 9. Everyone interested in the discussions is invited to attend.

Undergraduate Lunch Clubs

“The Y’s Corner”

You get a more effective filter on today’s L&M

The film consists of the best loved plays written by the famed French existentialist writer Jean Paul Sartre.

You’re sittin’ on top of the world when you change to L&M

Best tastin’ smoke you’ll ever find!

Put yourself behind the pleasure end of an L&M. Get the flavor, the full rich taste of the Southland’s finest cigarette tobaccos. The patented Miracle Tip is pure white inside, pure white outside, as a filter should be for cleaner, better smoking.

The Y’s Corner

Sunday, May 4, The Y Film series presents the French film “Dirty Hands” and the Czechoslovakian cartoon “Cost From Heaven,” at 7:30 p.m. in Culbertson Hall.

Monday, May 5, The YMCA Board of Directors will meet at five p.m. in the Y Lounge.

Wednesday, May 7, Goodwin J. Knight, Governor of California and Candidate for United States Senator, will speak at the Athenaean Lunch Forum.

Thursday, May 8, Rev. Alden Moshammer, Minister of First Con­ gregational Church of Pasadena and a member of the Y Board, will discuss “Race and Passadena” at the Graduate Sack Lunch Club in the Y Lounge at noon.

Friday, May 9, Dr. George Laties, Senior Research Fellow in Biology, will speak at the Undergraduate Lunch Club at noon in the Training Table Dining Room.

The topic will be announced later.

Victor Reuther will visit the campus as the third and last YMCA Leader of America for this year. Mr. Reuther, brother of Walter Reuther and a labor leader in his own right, will spend a busy three days meeting with classes, giving formal lectures, and dis­ cussing labor problems with small student discussion groups. The dates of his visit are May 13, 14, and 15.

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Undergraduate Lunch Clubs

“Dirty Hands” is one of the most celebrated plays written by the famed French existentialist writer Jean Paul Sartre. The story describes the war-time experiences of a young idealist who becomes disillusioned with the “party.”

The cost of the movie is forty-five cents or a season ticket.

THE CALIFORNIA TECH

Thursday, May 1, 1958

Page Six

Whittier

CAMPUS SUMMER OUTLOOK

COFFEE SHOP

Fisher’s

Restaurant

and

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