Dr. Norman Horowitz, the new Chairman of the Division of Biology

By Tom McCabe

As Institute Chairman, Dr. Norman Horowitz has been named by the Board of Trustees as the new Chairman of Caltech's Division of Biology. Dr. Horowitz's nomination was approved by the Board last Monday, and the official announcement of his new position by Acting President Robert Christy is expected to come today or tomorrow.

Dr. Horowitz will succeed Dr. Robert Siminstein, Division Chairman for the last nine years, who will be leaving Caltech next year to become Dean of the School of Engineering and Applied Sciences at the University of California at Santa Cruz.

The choice of Dr. Horowitz only permanently completes the announcement last Christmas of a new committee, chaired by Dr. Horowitz himself, originally intended to find Caltech's next Chairman. In a preliminary report, Dr. Siminstein, who replaced Dr. Horowitz in 1978, when his second five-year term as Chairman would be finished and

... would have to step down. They had planned to be able to consider several non-Institute as well as Institute candidates in the eighteen-month period before Dr. Siminstein's appointment of Siminstein to the chancellorship at USCSC, and Siminstein's subsequent early departure, the committee's time-frame had to be drastically pushed forward. As a result, according to Dr. Horowitz, it was no longer possible to consider a non-Institute person for the position, since any such person would have to be a citizen of the country and the job. Howev-

Carnation And Prize Scholarships Awarded To 41 Caltech Students

Forty-one students have been awarded a Caltech Prize Scholarship (H.B.A.C. 28, 25, 22, 20, 27, 27, 14, 23, 27, 28, 17) in the second period scholarship program. The scholarships are based principally on GPA and to a lesser extent on outstanding extracurricular activities. A total of about $42,000 was distributed.

Candidates for the scholarships were nominated by faculty members. In addition, anyone who was an outgoing student and did not wish to be a candidate was eligible for initial screening of applicants was done by a committee of seniors from the Soc. Sci. Committee, that such a plan is not feasible. Members say, however, that Caltech undertakes a Various recruitment

Continued on Page Seven

By Alan Silverstein

And Monday fifteen years ago, about fourteen Techers from Lloyd House gave Caltech nation wide fame by putting Caltech's story of someone who had, first term, the Lloydies who did Rose Bowl. The stunt chose to do it in the rose Bowl more than any other, a card stunt the story of everyone who had, the 28th of term old, .. there was a tremendous interest in campus in the upper left hand corner of a number of stunts. The Techers, of course, would have grandiose schemes. We decided to do it with zero planning. The Techers, of course, would have grandiose schemes. We decided to do it with zero planning. Hardy said. Contrasting his venture with Mission Impossible, he added that most of them had spent finding out what we had to do.

After a number of phone calls and false starts, it became clear that the 'Harmonized Cow' (49, 49, 51, 49, 51, 49) would be the Yell Leader, who was not arriving in the airfield till the morning of the game. This would not be staying at a hotel in Long Beach until the game. On the 28th, Dr. Hardy, posing as a somewhat demented reporter for the Domestic Science Newsletter, would

Continued on Page Three
Letters To The Tech

Bylaws Changes

The Excomm has recommended, and the BOD has approved, amendments to the ASCIT Bylaws in five areas. These amendments will come up to a vote on Tuesday May 31. We recommend a Yes vote on all of the amendments described below. The full text of the bylaws changes appears on Page Seven.

1) The first change will make the Teaching Quality Feedback Report an official ASCIT publication. The Director for Academic Affairs will be responsible for "the production, publication, and distribution" of the TQFR, including which editor if he does not wish to do it himself. The amendment will also make the editor a salaried position, to put it in line with the other publications. This is described in the fifth amendment change (below).

2) This change simply gives the Excomm the power to create or amend Orders addressed to the bylaws subject to BOD approval. This basically would make the present policy official.

3) This would require that ballots in all elections be cast secretly.

4) This would provide for a hike in ASCIT dues amounting to a four dollar increase over four years. The dues have not been raised since 1962, and inflation has finally caught up with the ASCIT budget. According to the calculations of the Excomm, the proposed increase will leave ASCIT $2000 in debt next year, and $1000 in debt the following year (both debts will be absorbed by ASCIT's savings account). ASCIT will break even the next year and come out $1000 ahead the following year. The dues will increase again one dollar per year for four years, avoiding the necessity of calling elections each year to provide the necessary dues hike.

5) This amendment will make clear the Excomm's interpretation of the bylaws concerning salaries of the editors of ASCIT publications. All editors will be paid through ASCIT (rather than through the individual publication) and the Tech editors' salaries will be raised from $600 to $900 (split between the team). In addition, they will be paid each term rather than at the end of their term of office. All other editors will be paid "upon satisfactory completion of the work." A system of bonuses for work completed on time will also be incorporated. Specifically, the Big T editor will receive $300, with a $100 bonus if the Big T is distributed no later than ten days after registration first term, and the little t and TOE editors will receive $150 with a $100 bonus for on time delivery (registration day of first term). For publications which are completed on time, the editors' salaries (plus bonuses) will stay the same as their present salary.

Kevin Drum
Henry Fuhrmann

The Recombinant DNA issue

Today at Noon: Peter Allop, guitarist and folkband extraordinaire will perform on Fish Fish Records, will offer his musical talents at a noon concert on the Living Room stage.

Tonight at 8 pm: A theater panel presentation by Dr. Tom Maniatis and will continue with a panel discussion moderated by Professor Davidson, the program will continue with a presentation by Dr. Tom Maniatis and will conclude with a panel discussion moderated by Professor Davidson. The program will continue with a presentation by Dr. Tom Maniatis and will conclude with a panel discussion moderated by Professor Davidson. The program will continue with a presentation by Dr. Tom Maniatis and will conclude with a panel discussion moderated by Professor Davidson.

Carnegie-Mellon

To the Editors: Kevin Drum's article on Carnegie-Mellon's interest in the Caltech Social Science Faculty was by and large an accurate account of the episode, although the remarks excerpted from our exchanges were rather more passionate in print than they actually were when spoken. In particular, the statement concerning the misquotations...
HARDY RECALLS
ROSE BOWL RF
Continued from Page One
gun ("I'm from Disney — it was a perfect cover"), inter­viewed by Yvett Laxada at the hotel, thus discovering how the card stunt was done and how the card stunt must be accomplished. Back in the days before computers were common, designing a card show was a very labo­rous effort, beginning with laying out the artwork on quadrille paper, which then had to be "written and merged" onto individual instruction cards. Some Techies "staked-out" the place. When the room with the card stunt materials was left unoccupied, one student nailed the lock to get in. "This is a pretty good lock...this is a trap!"
On this occasion, one of the first several break-and­entrances in the next few days, the plotters borrowed a sample instruction card from the middle of a pile, and took it to a print shop which could print 2,500 cards overnight. Unfortunately, the colors of the resultant forgeries were slightly off—because the original was faded a little. Said the printer: "That's a trap! We don't use bad stock here."
Back at Lloyd, a chemist tried to somehow fade or color the phony forms, but finally it was decided to do what was available. The next task was the preparation of 2,523 instruction cards with the correct display card, stamped in for all but those that were needed. Several Loyd­avites returned to Long Beach and worked a "spell-out" of the team name, some instructions were verbal, others were written down. These three were to be altered slightly. "It was a picture of a Husky. "What's a Husky?" one student asked, "but a beaver with pointed ears!" On number eleven, a "spell-out" of the team name, some instructions were changed to cause the spellers to go backwards. And, on number twelve, it was decided to create the famous black-on-white letters ("there weren't too many color TV sets then")." 
A call was made to Ann Morgan, Professor, UCLA School of Nurs­ing, who said that apparently a large number of a hoax housing: a pizza party on Flora's door in Winnett. The Dean's Office will be sponsoring a pizza party on Sunday, May 22, at 5 p.m. at the Flens­ing-Rickets Courtyard. All invited.
Nominations Close
Nominations for all class officers and all remaining A SCT appointed officers close today at 5 p.m. Those interested may sign up on Flora's door in Whitten.
Gays Discuss Stereotypes
The Caltech Gay Discussion Group will be holding another of its regular weekly meetings this Wednesday, May 25, at 7 p.m. in the Y Lounge. We'll be talking about Stereotypes and the Gay Image among other things. So, if you've always thought all gay men worked on highway con­struction crews or all gay women dream of being Miss Teenage America, maybe we can help raise your consciousness. Some people even say there are gay scientists!
T Time
Remember, Big T deadlines are coming up soon. In fact, they're already passed. However, if you're nice to us, we may accept your senior photos even now if you get them in quickly. They should be black and white prints, about 3" by 4".

---

For the First Time in Stereophonic Sound
b
TOMORROW NIGHT
11-PM
MATTINEE SAT & SUN
"She is a sensational adventuress exploring every pleasure of your flesh!"

Penthouse Magazine

The University of California
Page Three

HARDY RECALLS
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Continued from Page One
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Page Three
The McQ Saga is nearing its end. Sandy’s efforts to leave for Ireland are thwarted, however, by a development that, for some, may be a setback. The new arrival in the Girls’ dorm, a member of the McDougal family, is revealed to be none other than the girls’ favorite prankster, Sandy McQueen.

Sandy McQueen is winding up a year of travel and study in London. Her accounts of the past year’s adventures appear here regularly.

"He came into the room, sweating and panting, his face flushed, composed of equal parts sheep, rock, and bog (apparently all one needs to keep a Scottish happy)."

By Sandy McQueen

Ann Island Of Crocodiles

David Grimes, Miles Featured At Annual Glee Club Spring Jubilee

By Tom Crowell

The Caltech Glee Club featured two of America’s outstanding artists as well as its own program full of entertaining variety in concluding its concert season with the annual “Spring Jubilee” last Saturday in Beckman.

David Grimes presented the West coast premiere of Mario Castelnuovo-Tedesco’s “Fantasia” for guitar and piano, with Glee Club accompanist Melanie Moss at the keyboard.

He also presented Moreno Torroba’s “Pizca Canterum,” a beautiful set of pieces that were alternately lively and haunting. Grimes is a professor at Cal State Fullerton and has been acclaimed by critics throughout the United States.

Caltech gave a formal reception to the visiting faculty and staff of the Los Angeles Times, and presented a medley from “The Student Prince” by Richard Slater, the Los Angeles Times music critic. Bert Wechs accompanied the harp.

After intermission, “Send in the Clowns,” by Sondheim and “Let’s get Together” were performed in choral style by the Women’s Section directed by Monica Roeger, John Nelson and the Apollo Singers brought a few spirited madrigals, followed by a Chamber Singers and the Van Noy Quartet, singing songs that “Mama don’t Allow.”

Music Theater personality David Miles brought songs from Italy, and presented a medley from “The Student Prince” with the men’s section. Miles is currently lead tenor with the Johnny Mann Singers.

The concert concluded on its traditional note with the singing of “Salvation Belongs to Our God” by Paul Tschernkow and the Caltech Alma Mater by present Glee Club members and alumni in the audience.

**CALTECH GLEE CLUB TRYOUTS**

**MEN’S SECTION**

**FOR 1977 - 78 SEASON**

**MONDAY MAY 23**

3 - 6 PM

**CHORAL OFFICE FLEMING BASEMENT**

(EXPERIENCE NOT NECESSARY)

**UNDERGRADS FACULTY**

**GRADS STAFF**

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**UNDERGRADS FACULTY**

**GRADS STAFF**

---
We need certain college majors to become Air Force lieutenants.

By David Ritchie

Lopez-Cobos, with outstanding soloists Yellen Bronfman, Murray Perahia, Michel de Mer, Ichikum Parran, Isaac Stern, and Alfred Brendel. Program includes Beethoven's "L'Enfance du Christ" with the Los Angeles Master Chorale and soloists Frederica von Stade, Seth McCoy, Michael Devlin, and Richard Stowell, Stravinsky's "La Sacre du Printemps" and Mahler's Second and Fourth Symphonies, plus many other exciting and unusual works from ten symphonic and concerto repertoires.

In addition to receiving the 50% discount, subscribing students may attend a Philharmonic rehearsal of their choice (by advance reservation) and will receive priority ticket order privileges for special concerts during the season.

Student subscription orders are filled in the order received. To obtain the best possible seats, send in your order right away. Interested students should call the Philharmonic Season Subscription Office at (213) 972-7200, extension 542, to obtain a brochure and inquire about seating availability. The deadline for student subscriptions is October 16, 1977.

HOROWITZ NAMED BIO CHAIRMAN

Continued from Page One

division chairman. Meanwhile, the search committee will continue to consider other possible candidates to take over from Horowitz three years from now. Dr. Horowitz has been with Caltech for most of 41 years. He first came here as a grad student in 1936, and received his PhD in 1959. During the early forties he worked at Stanford with Dr. George Beadle, doing research for which Beadle would later receive the 1958 Nobel Prize. He returned here with Beadle in 1946, and has stayed here ever since.

It was an early interest in biochemical engineering that first led him to study with Beadle the relationship between genes and enzymes in mutants. This later developed into an interest in the process of evolution, and ultimately in the origin of life itself. Therefore in the early 60's he worked at JPL on an advisory committee to NASA when they were beginning their interplanetary programs. He continued to work with NASA on the Mariner 6 and 7 flybys of Mars. In his latest NASA job, he has headed the Bioscience Section at JPL, which designed the gas chromatograph and mass spectrometer analyzers for Viking I and II, and developed one of the three life-detection experiments also sent to Mars. In fact, Horowitz is just now writing the final report describing the results of the Viking biology experiments, and will be speaking about the results in Beckman Auditorium next Wednesday night, May 25.

Dr. Horowitz had been planning to get back into the lab...
and them up. Passing are to henz’ne: one each serluctivelv just sort of p~cked (I made a lot of results on Mars, and to this-Ianguage-was-dead “I to the pave-one was more than those BIO DIVISION with experiments trying to simu­

my hands dirty.” However, he will try to keep in touch and served as executive officer of the The responsiblilites or the Chair­

work that is done within the division .. In reference to any BORACHO NADANDO

members of the student commit­

Amendments to ASCIT Bylaws

31. Following is the text of the changes. Deleted portions of present bylaws are crossed out and additions to present bylaws are in italics. Commentary is in bold type.

Change 1: TOFR Article IV, Section 7 DUTIES OF THE DIRECTOR FOR ACADEMIC AFFAIRS. The Director for Academic Affairs shall be a member of the Board of Directors. He shall be responsible for committees formed by the corporation on academic affairs. He shall work with members of the Board of Directors on the appointment to the faculty committee. He shall be responsible for the production, publication, and distribution of the Teaching Quality Feedback Report.

Change 2: Powers of the Excoom Article VI, Section 2 PURPOSES AND DUTIES. The purpose of the Executive Committee shall be to recognize, investigate, and discuss the long range and immediate problems of the corporation, and in so doing to make use of qualified people both within and outside the Board of Directors.
(a) It shall have the power to interpret the By-Laws.
(b) It shall submit recommendations on the grounds that are considered to the Board of Directors.
(c) It shall assume responsibilities in coordinating activities of the corporation.

Change 3: Election Procedure Article IX, Section 1 Balloting shall take place at least from 11:00 a.m. to 4:00 p.m. in Winnerott Center, and at least from 11:30 a.m. to 1:00 p.m. in each of the undergraduate Houses. Each voter must sign an official register at the place of voting in the presence of a member of the Election Committee before receiving a ballot. Absentee ballots shall be allowed in the case of a voter who expects to be absent on the day of an election. Absentee ballots must be filled with the Election Chairman no later than the midnight prior to the election. All ballots shall be counted.

Change 4: Dues Article XIV, Section 5 The corporation dues shall be payable on registration day at the rate of seven dollars ($7) on registration first term, and seven and seven-tenths dollars ($7.70) on registration second and third term. One dollar ($1) each term shall be for a subscription to the California Tech. The corporate dues shall be payable on registration day at each term in the Schedule below:

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td>1977-1978</td>
<td>$8.00</td>
<td>$8.00</td>
<td>$7.00</td>
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<td>$8.00</td>
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<tr>
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<td>$9.00</td>
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For the academic years 1981-1982 and beyond the dues shall be twenty six dollars ($26.00) per year, payable at the same rate as in preceding years.

CURRICULUM CHANGES

Continued from Page One

OPTIMAL SIZE

report

continued from Page One

of junior transfers in selective fields from the California

Commissioner's findings concomitant diversity;

That way, modest increases in under-

grouped options would be possible.

The present committee also amended the present admissions by adding:

The present committee's recommendations of undergraduate students will not contribute significantly to increasing the total number of complaints.

As long as the present admission criteria (which are basically determined by the requirements of the Caltech curriculum) are used, any additional students admitted will be more or less like the present ones.

So far the committee has encountered, in Davidson's words, "a persistent tone of dissatisfaction with the quality of undergraduate student life and education." Davidson feels that inquiries into matters such as student life and education, "the anti-intellectual atmosphere, strain due to rigorous curriculum, "I have heard them discussing during most of my thirty-two years of charlott that," said Prof. Davidson, "the complaints made by the number of undergraduate students, if they are true, is a burden from which these complaints arise will be aggravated by an increase in student body size.

It must be emphasized here that the report is only pre-

liminary and represent Prof. Davidson's views at the Optimal Size Committee meeting. The other members of the committee had not yet (at present) read the report.

In any case, Prof. Davidson and the committee encourage all interested faculty and students to discuss the report and the following Feedback to the committee is extremely valuable.

The Optimal Size Committee members are: J. Bancroft; R. Dean; D. Davidson; G. Dornic; W. Ebert; W. Ebert; C. Shaffer; L. Silver; J. Strauss; D. Wood; L. Ziegler; T. McDonnell; E. Rea; and D. Wells.

Friday, May 20, 1977 THE CALIFORNIA TECH Page Seven

TEACHING QUALITY

Feedback Report

THE BUSINESS MANAGER WILL RECEIVE A COMMISSION OF 15% ON ALL ADVERTISING SOLD AND PAID FOR.

Changes in five areas will come up to a vote on Tuesday, May 31. Following is the text of the changes. Deleted portions of present bylaws are crossed out and additions to present bylaws are in italics. Commentary is in bold type.

Change 1: TOFR Article IV, Section 7 DUTIES OF THE DIRECTOR FOR ACADEMIC AFFAIRS. The Director for Academic Affairs shall be the chairman of the Educational Policies Committee. The Board of Directors, with the advice of the outgoing Educational Policies Committee, shall appoint at least four and no more than seven at-large representatives. During the third term of each academic year, each undergraduate house may appoint a representative who will take office at the beginning of the next academic year. The Educational Policies Committee shall be responsible for maintaining the corporation's interests in regard to the academic policies of the Institute. The Educational Policies Committee shall be responsible also for the production of the Teaching Quality Feedback Report.

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<td>1979-1980</td>
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For the academic years 1981-1982 and beyond the dues shall be twenty six dollars ($26.00) per year, payable at the same rate as in preceding years.

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Track Team Goes To Finals But Fares III

By Tommy Trollijn

Due to an interesting rule allowing one member from each team to compete in each District event, many members of the track team got to see district races, instead of just the 440 relay team, which had a time in Conference Finals good enough to qualify it for District.

District III contains roughly 19 schools from the southern California area, including Occidental, the new district champ, Pomona-Pitzer, UCSD, and Point Loma, district runner-up. This year, Coach Leroy Neal of Caltech was the manager of the meet at Redlands.

The 440 relay team took some bad handoffs and fared ill with a 4:48. Rob Bourret, despite many injuries this season, came through with a fine 4:10.8 1500 meters. This meet was particularly interesting for, although it was also at Redlands, it was at night—the different time and conditions sometimes hurts, sometimes helps a runner. Much later in the night, Brett Van Swerveryk, hanging on at the back of the pack behind John Armstrong's burning pace (he ran a 4:27 mile and a 13:52 5000 on his way to a 14:19 5000 meters) came up with a 15:47 5000 meters. Armstrong, of Pomona-Pitzer, also ran a 3:45 1500 the next day.

For the district events on Saturday, Caltech put Norm Murray in the 200m and Greg Blaisdell in the high jump. Norm was unplaced in the 200m, held by a 23.5, and Greg Blaisdell just missed a 6'2" and ended with a 6'0".

Generally, district competition was very hard in comparison to regular season and conference meets.

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