DuBridge Discusses Years at Tech, Work for Nixon

Retiring President Lee A. DuBridge spoke Tuesday of his career and future plans in a premature farewell address to some 1,000 members of the Caltech community.

President DuBridge was introduced by Dr. Norman Davidson, chairman of the Faculty Board, who told about the changes that have taken place at the Institute since DuBridge first came here in 1946. Then there were only 325 undergraduates, 400 graduate students, and 125 faculty members. Today, 720 undergraduates, 750 grads, and 250 faculty members work at Caltech. In 1946 when Lee A. DuBridge first came here the annual budget was a meager $3 million. Presently the budget exceeds $30 million.

Given a resounding hand of applause as he stepped up on stage, the President opened with the remark, “Glad to have your expression of pleasure on my leaving Caltech.” For the next half-hour DuBridge talked about his new appointment to the Nixon administration as the presidential science advisor, about his years here at Caltech, and about the choosing of a new president. He also announced that Provost Robert P. Fischer will be acting President of the Institute until the new President, as yet unchosen, assumes office. DuBridge plans to leave Caltech around January 15 of next year.

DuBridge served during the Eisenhower years as chairman of the science advisory committee. He told of how last month, only several days after the election had been clinched, Nixon offered him a post in his administration. Concerning his acceptance, DuBridge said, “I feel like an old warhorse getting back into harness.”

DuBridge said that he would have three main functions as the President’s aid. His first job will be to advise Nixon on matters of policy involving science. Next he will direct the coordination and adoption of federal research programs. Finally DuBridge said he would attempt to “congel and confesse the best thinking of the country” to bear on the nation’s problems.

In discussing his successor DuBridge told of how the search has been carried out very diligently and carefully. He remarked that of all the candidates being considered, each would make a distinguished President.

Who the next President will be will not be known for several weeks. Robert P. Fischer, chosen as acting President, has been Provost since 1962 and a member of the faculty for twenty years. He played a key part in the carrying out of the synchronization project. According to DuBridge, “He knows every nook and corner of the Institute.”

In closing DuBridge thanked everybody and predicted that Caltech was going to reach far greater and higher heights than it had already attained. As the outgoing President left the stage, he received a standing ovation from the entire audience.

John P. Healy

Ah, the marvelous opportunity to serve your country! Sure? So, you’re sweating their drafts? First and second year male graduate students are indeed feeling the elimination of student deferments.

H. F. Boilenbuhl, dean of graduate studies, comments that the communications between the anti-smog groups in California have led to duplication of effort and decreased effective ness. This fall SRA Nino Cooley, Chairman of the project’s Public Education group, attacked this problem. The research work on the “Smog Conference” which convened at the University of California, Berkeley, involved cooperating intergroup communications and to discuss programs on which the ARP and other organizations could coordinate. The conference group included representatives of the Clean Air Council, Stamp out Smog, GASP, Clean Air Now, and the California Air Resources Board, as well as interested professors and citizens.

Brief Speeches

The participation of the Smog Conference was composed of a series of brief speeches. Nino spoke on the goals of the conference and former Executive Director Chairman Mike Con to the research effort of the ARP and other organizations.

DuBridge said that he would like to see the ARP conference held on a regular basis.

Grads Cry Uncle!

Draft Cuts Graduate Enrollment

by Con E. Staley

For several months the ASCIT Research Project has felt that poor communications between the anti-smog groups in California have led to duplication of effort and decreased effectiveness. This fall SRA Nino Cooley, Chairman of the project’s Public Education group, attacked this problem. The research work on the “Smog Conference” which convened at the University of California, Berkeley, involved cooperating intergroup communications and to discuss programs on which the ARP and other organizations could coordinate. The conference group included representatives of the Clean Air Council, Stamp out Smog, GASP, Clean Air Now, and the California Air Resources Board, as well as interested professors and citizens.

More Groups

Highlighting the afternoon session were the appearances of Garsten Vieg of the Assembly Office of Research and Dr. A. J. Haagen-Smit, Chairman of the Air Resources Board. Dr. Haagen-Smit cautioned conference attendees against attacking anti-smog legislation and agency hearings. The more anti-smog groups present the better it is for the Institute.

(Continued on page 3)

Notice

RAGNAROK IS COMING!
I absoleve myself from all con nection with this week’s issue.
D. Lewin

CELEBRATE HANUKKAH
We will be holding a Hanukkah party Sunday at 6:00 p.m. in Room 45, Blicher House. Take a short break from smoking. Everyone is welcome.

YAF MEMBERSHIPS OPEN
The Caltech Chapter of the American Foundation for AIDS has recent­ly received an ASCIT Charter and will open its national charter. Membership is open to all Caltech students and faculty. Interested persons may obtain applications in the YAF mailbox in Winnett Student Center or from Jeffrey Ochs.

BEETHOVEN’S BIRTHDAY
The Caltech Citizens for Beethoven Committee reminds you that Thursday, December 15, is Beethoven’s Birthday, so mark your calendars. At 8:00 p.m., in Millikan Auditorium, the Arlen School of Music will present Beethoven’s Ninth Symphony. It’s free, and there’s no better way to spend a birthday.

TAP UVA's

The women of Tau Upsilon Alpha are holding an auction on Friday, December 14, in the Science Center Lobby. The event will be from 5-8 p.m., and there will be a free entrance for all Caltech students and faculty. The proceeds will be donated to the American Cancer Society.

RAPID REVIEWS

John Leavy at the Ford Foundation’s annual meeting was asked what he thought of the Administration’s education proposals. He said he thought they were good, but that he was surprised they were not more ambitious. He also said that he thought the Administration’s proposals were not strong enough to pass Congress.

(Continued on page 3)
"Gates of Hell" Suffers Problems

by Con E. Staley

On November 28 Cinematheque presented "Teinosuke Kinugasa's "Gate of Hell" and several other popular Japanese films in Caltech Auditorium. A large and enthusiastic audience watched the better "samurai" adventures. Its story centers around the private life of a Samurai, Moritoh, Koesa, the beautiful wife of a palace guard. For the courage and loyalty he displays during his rebellion, Moritoh is granted one repetition over his rival, Koesa. Knowing that Koesa is married, he asks for her hand. When the countess agrees, his pride prevents him from offering his life to protect her. Koesa, however, swaying accompaniment, gives the optimum contrast in the fusion of the themes, presented Teinosuke Kinugasa's "Gate of Hell." Its sweeping panorama of Russia, Mosaic in the errors of flowers and birds of rejoicing and detailed perception of flowers and birds could all be the actions of a man who has narrowly escaped death. They allow us to wish the vivid, wish-fulfilling hallucinations, a man about death. The final ironic twist which re-

Contrast Key to Peniarco Concert

by Alan Leaderman

Leonard Pennario, famed concerto pianist, returned to Beck-

man Auditorium last Saturday night. This performance, moved by the inspiration and strength characteric of Pennario. Pennario said he chose the program in such a way as to give the optimum contrast in color between selections and expose the audience to as many diverse moods as possible. In the first movement, we have the statement of two contrasting themes. The second movement is a slow development of the themes, and the concluding movement is the fusion of the themes, presented in rapid, classical sonata form. As much of Haydn's work, this piece was characterized by a clear, strongly melodic, rhythmical mode. Following was a Barcarolle, Opus 60, composed by Frederic Chopin. This piece was written by Chopin after a trip to Italy, and the only one of this type that he composed. This gentle melody, over a sweeping accompaniment, gives the impression of waves flowing, perhaps in the canals of Venice. It has been suggested that the composition is Chopin's only opera. The second movement is "Mozartian," and the third movement is "Haydenian." Each of these two distinct notes is repeated throughout, repre-

Letters

Murphy Corrects Election Results

Dear Sirs,

I would like to correct two errors in your election article. First, the proposition to divert dues was 44.1%, not 43.4%. Secondly, the results were tabulated, not canvassed, as your story stated. This shows the difference between the yes and no votes in the issuance of the over 20% implied by your story. Second, a comparison of the housewives and the petitions will show that it is not true that al-
mot all of the people who signed the petitions will not vote. I realize that the errors were inadvertent, not maliciously intended, and yes, I am not unaf-
fraid to be undominated by mistakes, no matter how innocent.

Very Truly Yours,
Ed Murphy

California Tech

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Ducks Lose Two Meets
As California Sets Record

The Caltech swimming team opened its season with 2 homes. They lost to Cal State Fullerton, 38-5, and to powerful UCSD, 78-35. Coach Beck said that the UCSD defeat was expected but that the loss to Fullerton was due to the absence of several swimmers because of the Putnam exam and the poor showing of the freestylers.

The Beavers started off with a media relay victory over Fullerton but lost to UCSD. Beck named a freshman, then swam an 11.92/100 yd. race and set a Pullman pool record, lowered the Beaver record by 11 sec. and beat an All-American from UCSD. In the next 3 events, the Beavers could only manage fourth and fifth as follows: Kiilavazi and Hunt, 200 free, Minorwicz and Rade, 50 free and Wright and Tyson 200 IM. Beckfield then lost only to the UCSD swimmers in the 200 butterfly with Hall fifth. Kiilavazi and Hunt were fifth and sixth in the 100 free. Wright won the 200 backstroke while Tyson was fifth. Beckfield took another third in the 500 free again losing only to UCSD. Rade was fifth. Beckfield was second in the 200 breaststroke with Hunt third. The Beavers then lost the final 400 free relay.

In the diving competition, Reed took a second in the 1.5m. diving and a fourth in the 3m. diving. Johnson competed in both the 1 and 3m. diving.

Smoggers Hold Conference

(Continued from page 1)

their case against industry. Mr. Viog encouraged those present to concentrate their efforts on programs rather than self-organization. In a late afternoon post mortem, be listened to several of the proposals enumerated by Mr. Vioz, comments on their feasibility and on the complexities of any public policy matters; and asked the remaining enthusiasts to support the state's attempts to set aside vehicle emission standards. (Before the standards act this past summer can go into effect, California must demonstrate technological and economic feasibility to the federal government. Hearings on this issue will be held in January.)

Inspection Proposed

The results of the conference? A newsletter relating each organization's activities will probably be added to the UCLA newsletter on smog research. After that, a final conference in mid-December made a Christmas vacation, ARP will review its inspection regulations and set up to bill a state supervised program. While action on the other proposals is still uncertain, most ARP members felt the conference benefited them primarily by solidifying their contact with both technical and political figures important in the field of pollution control. Their biggest disappointment was the absence of the summer ARP's Final Hearings..."
"IBM is so involved in the electronics field, I'd always assumed they weren't particularly interested in M.E.'s," says Andy Simon.

Andy got his M.E. degree in 1967. He's now a packaging engineer in memory development at IBM.

Andy found out why IBM needs good mechanical engineers when he went to his campus interview. As electronic packaging gets smaller and packaging density increases, a lot of new problems arise. And the M.E. has to solve them.

As Andy says, "When I design the hardware package for a micro-electronic memory unit, I deal with heat transfer and other thermal problems, vibration and shock analysis, and electromagnetic compatibility. The associated connector design work gets me into stress and creep analysis and Hertz contact stress and evaluation."

Then comes production

That's only part of Andy's job. After his team designs, develops, and produces a prototype memory unit, he has to work closely with manufacturing engineers, advising them on machines and processes to mass-produce the unit.

"It's tough but rewarding work," says Andy, "because the problems change with each new assignment. So an M.E. gains a lot of experience fast. The kind of experience that's bound to help him move up the ladder quickly."

Visit your placement office

Sign up at your placement office for an interview with IBM. Or send a letter or resume to Harley Thronson, IBM, Dept. C, 3424 Wilshire Blvd., Los Angeles, California 90005.

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