Inauguration Comes Off

Beneath a hot sun and unexpectedly smogless sky, more than 4000 people watched Dr. Harold Brown don the academic hood of Robert A. Millikan and wish it formally assume the administrative reins of Caltech. Among the members of the audience were representatives of more than 200 centers of learning from all over the globe.

Litting in the program for the day's events were the oldest and newest institutions. First on the list was Oxford and last was Moorpark College, established only two years ago. Under the graceful canopy suspended from the roof of Beckman Auditorium, sat the trustees, academic presidents, and most distinguished guests.

The ceremony began promptly at 10:30 a.m. with Chief Marshall Robert P. Sharp leading a color guard and academic procession. Within the procession were the faculty, the Nobel Laureates (one more than originally planned), the representatives of other schools, and the official party.

Leading the program was the Caltech Glee Club with the National Anthem followed by an invocation by the Reverend Donald F. Merrifield, S.J., a Caltech graduate and, as evidenced by his golden yellow hood, a D.Sc. in physics.

Dr. Arnold O. Beckman, chairman of the Board of Trustees, read greetings and prescriptions to the various governmental officials present.

What a Mess

The CALTECH SEAL was duplicated (almost) as an entry in the Inaugural Paint-In contest. The creators of this serious artwork are (left to right): Ron Horn, Chip Smith, and Bob Hall. The seal was the official Page House entry.

Huttenback Rebates

Continuing his policy of encouraging "culture," Dean of Students Robert A. Huttenback has announced rebates on Caltech students' tickets to live performances and cultural events. The rebates, of one-half the price of one ticket per event, are available to Caltech undergraduates, both those living on campus and off.

Requests should be accompanied by the ticket stub and given to Dr. Huttenback's secretary, Mrs. Ned Hale, in the Dean's office in Throop. According to Huttenback there will also be a mishandled speed reading course second term.

Also, Dr. Huttenback will continue his regular "Dean's Office Annex" on the Olive Walk every other Wednesday at 11:00 a.m. Come and see a real live dean!

Underclassmen!

The Big T Will Be Distributed On the Olive Walk This Friday at 11:00 A.M.

Be Sure To Pick Yours Up!
More On Moratorium

Dear Sirs,

On October 30, last Thursday, what we believe to be a dangerous precedent for education at Caltech, was set. It was not set maliciously—those who asked for and got a no-attendance-taken policy, on Thursday wanted the day set aside in a sincere, open spirit of approval of the new administration. But did their support, no matter how honest or self-interested, entitle them to cripple the teaching process for even one day?

By getting the decision on tests and attendance that they did, those who organized Harold Brown’s inauguration placed great pressure on instructors to teach effectively that day. That day, in fact, to professors attended their classes. No tests could be given and students could not be held responsible for things taught on that day, for nothing was taught at all. It was a paid holiday for the President anyway. The implication bring that the Inaugural week’s changed was more important than the class material.

Was that for all of us? Did we all pay over $28 for one day at Tech to hear the Glee Club sing or to pay $4 for a new ASCIT newspaper? Did Beckman Mall or hear a group of speakers recite numbers, different, public events? If you felt that these things were your concern, then you did not make the decision. It was not our decision.

Somehow an apparent majority position was endorsed. That it was worth my $28, too. Shall that majority make it up and decide that the next few days are for days of our selves and others of our beliefs to spend the Thanksgiving or even Saturdays? We fear that they might, and we do not want their idea of an education ramp up our throats immediately.

Twice was enough.

In PEACE,
Dave Dixon
Bob Abrahams

Dear Sirs,

On October 30, last Thursday, what I believe to be a dangerous development was set at Caltech. The Inauguration placed great pressure on instructors to teach effectively that day. That day, in fact, to professors attended their classes. No tests could be given and students could not be held responsible for things taught on that day, for nothing was taught at all. It was a paid holiday for the President anyway. The implication bring that the Inaugural week’s changed was more important than the class material.

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President Nixon gave a speech on the Vietnamese War. So what else is new? As readers are doubtlessly noticed, Mr. Nixon’s speech contained little that could conceivably be called new. Why, the groups which would be offended anywhere could not be said to be offended anywhere. The groups which would support the President anyway continue to support him.

One way of viewing the television speech, which is least conducive to hypercritical reaction, is that Mr. Nixon sought to gain as much advantage as he could without doing so at all. Nixon wanted the day set aside in a sincere, open spirit of approval of the new administration. But did their support, no matter how honest or self-interested, entitle them to cripple the teaching process for even one day?

I propose that the Caltech Alpine Club be re-founded for a forum for the discussion of political and social matters; the thing that needs “protection” is Caltech’s atmosphere. Is that you? What about the people who want to expand its facilities, like the chemistry and biology? The honor system, as was pointed out in a letter several weeks ago, is a precedent for education at Tech. The thing that needs “protection” is not a student, a member of that “outside world” which is not on the Runon the Honor System. So what’s this got to do with the Board of Control? Are they really bewailing our emasculated campus cops, what does he envision? A daring daylight robbery thwarted by the blazing guns of the campus insecurity stuff? Give me a break.

Jackson Proposes that Alpine Club Be Re-founded for Forum for Outdoor Activities

Dear Sirs,

Many people have complained that they can’t find other people they want to go hiking, scuba diving, or what ever. It appears that Caltech needs a forum for the discussion of political and social matters; the thing that needs “protection” is not a student, a member of that “outside world” which is not on the Run on the Honor System. So what’s this got to do with the Board of Control? Are they really bewailing our emasculated campus cops, what does he envision? A daring daylight robbery thwarted by the blazing guns of the campus insecurity stuff? Give me a break.

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Continuing

Art works by Coke and Jack Zadec will continue through November 14 in Dabney Lounge.

The Music Center: The Stuttgart Ballet, an internationally acclaimed group, will perform ballet by Tolchinsky, Prokofiev, and others in the Odeon Pavilion, through November 14. Hradin VII continues through November 23 at the Ahmanson Theater; watch for the troubadours in the next issue.

The results of the Harold Brown Inaugural Program in October 26th are still on view on Beckham Mall. Dr. David Smith will announce the results of the judging in next week's Tweak.

The Caltech YMCA's Political Military Exercise is alive and well. Unfortunately, the control (?) of Bob Jackson, the creation and birth of this annual event has begun.

The people who usually Caltech undergrads, grad, and faculty, along with students and faculty from other schools including Scripps. Each person represents a specific person in the real world. We people work as teams representing various countries. For example, the U.S. team consists of people representing the President, Vice President, and Secretary of State.

At the beginning of the game, each player receives a scenario which extrapolates the great events up to a future crisis situation. Play starts and each team reacts to the situation. The teams communicate with each other by messages and personal meetings. Periodic news bulletins are issued to summarize the situation.

In the past the game was held during the fall or second weekend in the third term. Play has usually lasted through Friday night, Saturday morning, and Saturday afternoon. Past games have centered on Southern Africa, the Middle East, and Europe.

In order to get a feeling about what is going on people's preferences in time and locale, fill out the questionnaire and return to the Caltech YMCA.

There will be a meeting Tuesday, November 11 at 8:00 p.m. in the YMCA lounge, for all people interested in helping to formulate the specifics on how the game is to be run and in helping to set up the game.

Anybody interested in helping with the game can also contact the YMCA or Bob Jackson in Blocker House.

The program is designed to broaden the students' interest and extend his perspective, complementing rather than supplanting the home university's regular academic courses.

One of the unique aspects of the proposal is the concentration on non-Western locations. This is the first program of the kind which recognizes that the participants are the product of the Occidental culture and therefore concentrates on the Oriental and other non-Western cultures.

The proposal is currently under review by the proper administrative personnel for implementation. It is expected to begin this academic year and continue through November of 1969.

The report recommends one of the most up-to-date concepts in international education, so having it selected is a first step toward a change in curricula.

Students and faculty members will be involved in the preparation and implementation of the project. If you are interested in participating, please contact Larry Goldman, 107 Page, if interested.

JEWISH SERVICES ORGANIZING

Jewish faculty and students are still desperately needed to help organize regular Saturday morning services on campus. Please contact Larry Goldman, 107 Page, if interested.

Guitar mass

The Guitar Mass will be held in the Y lounge Sunday, November 9th at 9:30 p.m. Everyone is invited.

P.E.C. Homecoming Dance, P.E.C. Campus Center, 8:30 p.m. (sudden kind.)

CINEMATECH rolls on with two of Luis Buñuel’s early films: "Les Olives et le Ver" and "El." Admission is still only $1 or Cinematix Senior Card.

Sunday, November 9, 1969

Attckman’s Event, "She Danced Him Wrong" starring Mae West. Reserved

Monday, November 10, 1969

Antemural Seminar on Marxism 6 & 7 in 306 Firestone at 1 p.m.

CALTECH LECTURE SERIES presents "Radio Astronomy of the Planets," to be given by Caltech’s Dr. Duane O. Muhieman, Beckman Auditorium, 8:30 p.m.

Continuing

The new local symphony will play at 8:00 p.m. in Beckman Auditorium. Directions, call 223-4141, ext. 450.

Sunday, November 11, 1969

SPECIAL CALTECH LECTURE on "Racial Crisis, an American Dilemma Revisited," given by Dr. Gunnar Myrdal, Swedish statesman, Berkman Auditorium, 8:30 p.m.

Nuclear Engineering Seminar on "Micro-Instabilities in Hot Plasmas" in 206 Thomas, 1 p.m.

Wednesday, November 11, 1969

Poetry Reading by Donald Moffat, Caffé Theater, in Dabney Lounge at 11 a.m.; sponsored by ASCIT.

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Special CALTECH LECTURE on "What do I do?" and other provocative questions will be answered by Dr. Robert Humberd, Dean of Students, in another of the Lights lunch lectures at 11 a.m.

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Continued from page three. Still more letters...

Dan O’Neill

D. BODKINS

The California Tech Thursday, November 6, 1969

Belafonte Protege To Delight Beckman Audience
by Pearl Fles

Harry Belafonte, who travels a great deal, has been known to back with him very special gifts in the way of talented performers from around the world. A few seasons back, he introduced the lovely Greek songstress, Nana Mouskouri, to delighted audiences at the Greek Theater here in Hollywood.

Caltech’s Faculty Committee on Programs and Harro Arts will present Nana Mouskouri in her Southern California solo debut performance on Wednesday, December 3, at 8:30 p.m. in Beckman Auditorium.

The composer of “Never On Sunday,” Mazouz Hadjidakis, was so taken by her exquisite vocal quality, that he has composed a large repertoire of folk ballads especially for her. A native of Greece, Nana trained for classical music, but her love of popular ballads and folk songs of many lands in many languages, is what she does best. Last March, her New York debut performance was sold out at Carnegie Hall. More than five million of her records have been sold in America alone.

Nana is married to a musician, George Petrou, whose group, The Athenians, will accompany her at the December 3 concert in Beckman Auditorium. For further information, call ext. 1653 or 793-7043.

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PASADENA

THE MUSEUM is an international folk dance cafe in Pasadena that encourages the art of ethnic dance and music. The most exotic repertories can be seen, while the more common mats are sensibly provided for: meeting friends, playing chess or backgammon in the piano, or simply mending frayed nerves and ears over a cup of coffee. The mood is casual, but the people are warm and enthusiastic.

An international folk dance cafe open Tues. thru Sun. 8:00 p.m.

792-5439


"HAIR DEALS WITH WAR, SEX, DOPE, CIVIL RIGHTS, PATRIOTISM, AFFECTION, ESCAPISM, GENERATION GAPS, AND POP CULTURE."

By Nick Smith

Last week, the Ice House featured a group about to be known as Juarez. This in itself was not much, but Juarez was the Deca recording group, one of the first formed, and it was known as the Baker Street Irregulars. That's right, the same group who played at Beckman last year. In fact, this year, a girl vocalist and two guitar players, the old Peter, Paul and Mary formula, but otherwise the resemblance is not great. In fact, I never knew "Peter, Paul, and Mary" were better.

Most of the songs done by Juarez were written by the group, and most are different versions of songs on the forthcoming album. There were several very beautiful songs, including "The Dutchman," "Fly Away on Angel Feathers," and "Mary and Michael Mullins." They also did "Join the Klan," a favorite of many who saw the Beckman concert. They finished their set with the aforementioned "Dutchman," which contained the beautiful and sad lines, "Let us go to the banks of the ocean! Where the walls rise above the Zuyder Zee."

I used to be a young man/And Margaret remembers that for me.

Also featured on the bill was George Hopkins, a TV and night-club comic, whose delivery is good. But his material could be improved. One outstanding feature of his act was a suit paeanly beyond belief.

The third feature on the bill turned out to be excellent. A folk singer named Carol Kristy did two beautiful sets. The first set began with a fourteen-minute version of "Mexican Love." Followed by "Down the River" and she did much softer songs, such as "Try to Remember" and "Scarlet Ribbons." To me, the high point of the night was when she sang a pair of Leonard Cohen songs, "The Story of Isaac," and "That's No Way to Say Goodbye." I am a devoted Judy Collins fan, and compared the two versions in my mind. Judy Collins has the better voice, but Carol Kristy really got more feeling into the songs. Carol Kristy is being held over this week, so if you go, don't just go for the main act.

THE STANFORD UNIVERSITY GRADUATE SCHOOL OF BUSINESS invites you to meet its Admissions Representative:

Mr. Paul Johnson,

on November 19, 1969, to discuss the Stanford M.B.A. and Ph.D. programs in Business Administration. Appointments to meet with Mr. Johnson may be made through:

Preiff, Director

California Institute of Technology

The M.B.A. Program is a two-year general management course particularly designed for students who have majored in liberal arts, science, and engineering. The purpose of the Doctoral Program is to train scholars for the stimulating challenge open to business educators, researchers, and innovators.

EVEN DR. GORMEZ AGREES, IT WAS

THE CALIFORNIA TECH

Page Five

BECKMAN AUDITORIUM

TO HOST A REALLY "WILDE" PERFORMANCE

by Pearl Fles

For over fifty years, the Oscar Wilde tales have bewitched the young and charmed the adult. Four of Wilde's best known short stories will be heard in a concert reading to be presented at Caltech's Beckman Auditorium next Friday and Saturday, November 7 and 8, by the State Repertory Theatre. Curtain time is 8:30 p.m.


The first part of the evening will be devoted to "A Picture of Dorian Gray," adapted by William Barton, directed by Robert Langin with special music score by Howard Davis. The talented harpist, Catherine Jackson, accompanies songs by Eleanor Harder.

Some tickets remain for both performances. For information, call campus extension 1653 or 793-7043. Special priced tickets are available at the Caltech family.

WALTER CARLOS AND THE WELL-TEMPERED SYNTHE­SER: Electronic performance of Bach, Monteverdi, Scarlatti, Handel; Columbia MS 7286.

This record is the sequel to SWITCHED-ON BACH, issued last year. Whereas the previous recording on the Moog Synthesizer included only Bach, this record has works by four composers: four sonatas by Handel; three excerpts from Scarlatti's "Water Music," and of, one of the Bach Brandenburg Concerti. First, the technical aspects of the record are good. I noticed very little noise or distortion on the record. Also, since much of the energy of the music played on the Synthesizer depends on the position of the listener, a "stereo test tone" is provided at the beginning of the first cut so that you can balance your speakers. This is the first time that I have seen this done outside of the so-called "demonstration" records. Overall record quality was good.

The four Scarlatti sonatas did absolutely nothing for me. I have heard very little Scarlatti, so there seems to be little enhancement, using the Moog. Perhaps I think the Sonatas would sound like when done by an orchestra. Those who enjoy Scarlatti may have different opinions.

The "Water Music" excerpts, in general, sounded very good—despite the fact, as someone else who heard this record pointed out, that one misses the trumpets. I would be interested in hearing the entire "Water Music" as played on the Moog Synthesizer.

The "Brandenburg Suite," by Montefredi, is randomly blah—there are no outstanding merits of the piece as played on the Moog. "Domino"

Continued on Page Eight

by Alan Lederman

Three things are something special for everyone at Caltech Thursday. For the faculty, a Nobel Prize presentation; for the administration, an inauguration of a new President; and for the students, a concert by the popular rock group, Harper's Bizarre.

I list these in rapidly decreasing order of significance. But it is impossible to avoid the image "Harper's" was trying to grasp. There are few rock bands attempting to reach. From the Beckman performance, one would necessarily conclude they are a commercial product, who have discovered a niche for themselves in the world of "soft" rock music. This niche is musical regression to the era of the late fifties, a time marked by simplicity and forthright musical techniques. In addition, the group performed renditions of various contemporary songs, but never with appreciably more finesse than the original artist. The filler used between some of the songs was banal as to flout the intellectual caliber of the audience, never quite reaching the point of schlock. One should, therefore, expect this, for the group is committed to give an entire performance, whether it is pleasing to the audience. I, for one, do not think it was. However, on the whole the performance left one with a quite different impression. For "Harper's" successes in creating a carefree, simplistic mood which the audience could not fail to enjoy.

Adequate

At a superficial level, the group performed quite adequately. "Vatican Rag," "There Ain't No Mountain High Enough," "Possessing Pigeons in the Park," and "Folksom Prison" were performed during the first act. These renditions were in no way superior to those done by the original artists, but they were adequate. When the group took to performing more difficult but significant rock, Rick McKoon's "The Art of Catching Trains," the results were a poor, electronic rendition. They failed to make the group reeling back to "I Love You Alice B. Toklas," as good as the movie it was written for. And from that point on, no other attempts at serious music were made.

But within the framework of simplicity, the group performed adequately. Gyrating on stage to multi-colored lighting effects, they succeeded in creating the audience in such oldies as "At the Hop" and "Twenty-Six Flutes." This second act mainly of 1955. It failed to include all the favorites of the group, and was very well received. They were a welcome change from the sur­realistic "hard" rock which is prominent today.

Train of Thought

A colleague mentioned the present rock groups have a fixation on trains, noting the first act alone contained train references: "Train of Thought." This places the fact the group looks on itself as an entity, due to fade as so many rock groups. They thus try to revive various older groups in the hope, someday, some group will be gracious enough to revive "Chattanooga" and remember Harper's Bizarre. But I doubt it, for the choco-schoo of success is changing quickly away from Harper's Bizarre.
Water Polo Squad Sacks Three of Four Foes

by Mike Stanislawski

The grand and glorious Caltech Water Polo Team dominated three of the four teams they faced this week, the roughest week for Tech this season.

The week began with a game at PCC, our neighbors to the north. Tech traded goals with the PCCers for 10 minutes, then a combo of Watkins, Sheffield and Hall pumped in the points, but the scoreboard was anyone's game up to that point. After 700, Tech sharpened. The defense clamped down and had an excellent fourth quarter, while the offense put in several quick goals to push the final score to 10-7.

Wednesday Tech faced two opponents in successive matches. We completely dominated Mt. Sac in the opener, 6-2. Again it was the power of the defense. Defending Mr. Sac, which completely stymied Mr. Sac. Pressuring caused the opponents to throw the ball past Tech, and ball control enabled us to keep the ball and to score. In the second game, a weary Tech team bowed to an inferior Riverside CC squad. With Stefa{n}ko gone and Tyson fouling out almost immediately, the already tired team just couldn't counter the RCC. But Riverside couldn't put the ball past goalie Ken Hansen and didn't score the winning goal until late in the fourth quarter. The final score was Riverside CC 3, Caltech 2.

Tech's Top Scorers

The effort by the Tech offense didn't score the winning goal until late in the fourth quarter. The final score was Riverside CC 3, Caltech 2.

Redlands Tops

Harrics 21-38

Despite the determined challenge of Techers Ratch Higgins and Gary Pope, veteran Adrian Jones and fresh standout Dan Riggs led Redlands to a 21-38 victory over Caltech in cross country.

Higgins started slowly on the long 647 miles Redlands course, but moved through the pack to take a close third. Pope was only a few seconds back in fourth, but Smith, Tardiff, and Almquist were some what straggled as Caltech's other scorers.

This Saturday, the teams try to take advantage of all they learned last Friday, when they have another go at the Redlands course in the tough S.C.A.C. all-conference meet. Occidental is a slight favorite over Redlands for first, with Pomona and Whitman expected to battle for third. Caltech is slated for fifth, but not as solidly as Claremont-Harvey Mudd is stuck in sixth.

The victors scored 8 points in each of the last two periods. Techers Ratch Higgins and Gary Pope, veteran Adrian Jones and fresh standout Dan Riggs led Redlands to a 21-38 victory over Caltech in cross country.

Boys' Football Squad Loses One, 36-6

Junior back Mike Brennan scored the lone touchdown for the Caltech football squad Saturday on a one yard run. The Beaver tally followed a 48 yard run by Gary Stormo on a reverse. The pass for the extra point fell incomplete.

The effort by the Tech offense wasn't enough, however, to counteract the performance of La Verne's team, which defeated the Beavers 36 to 6 at La Verne.

The Beavers scored 8 points in the first period, 14 in the second, and 7 points in each of the last two periods. Tech's score came in the second quarter.

The Beavers moved the ball well on the ground, gaining 133 yards rushing. They advanced 31 yards by passing and had 11 first downs. In comparison, LaVerne gained 21 first downs, 201 yards rushing and 136 yards in the air.

La Verne scored two of their six touchdowns on long returns. They ran one kickoff return back for 88 yards and a TD and a punt return back all the way for a 55 yard TD.

Caltech visits Azusa Pacific this Saturday for its sixth game.
I do not mean to imply that Johnson's policies represent the most ignominious catastrophe. I simply feel that Johnson sincerely tried his best at a job which would have made Lincoln or Washington shudder. He displayed a sense of grave dignity while in office, and a great deal of personal bravery by withdrawing from the 1968 Presidential race.

Nixon vs. Johnson

So far, Nixon's Vietnam policy has been a logical extension of Johnson's, just as Johnson's was a logical extension of Kennedy's. The only difference seems to be that Mr. Nixon is not Mr. Johnson, and thus enjoys 20% more support in the polls. I feel that Nixon acted unfairly in castigating Johnson while following his policies. I can see no motivation for this beyond simple political advantage.

As Mr. Nixon said, if his "plan" ends the war, then what the critics said will not matter. So the issue then becomes whether or not Mr. Nixon's plans will end the war. After much brain-picking, I have not come up with any better ideas. The Nixon-Johnson-Clifford Plan seems like a simple alternative bargain with the United States now, or fight it out with Saigon later. Hanoi must be aware that better, more flexible terms can be had over a conference table with the United States than from Generals Thieu and Ky.

Complex Variables

The situation in Vietnam probably constitutes one of the most complex problems in American history. The continual application of military solutions to the problem, or rather, the attempt to do so, only makes the problem that much worse. I do not think that Nixon should have called for anything resembling artificial unity, as he did Monday night. Most "discussions" of Vietnam generate more heat than light, but Nixon is no different from the F.C.C. in rate hearings so far, Nixon's Vietnam policy enjoys 20% more support in the polls. I feel that Nixon acted unfairly in castigating Johnson while following his policies. I can see no motivation for this beyond simple political advantage.

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PROFILE OF TECH
The revision of our Profiles in Depth of the California Institute of Technology is of great importance because the Profiles series must retain its accuracy and currency. We hope you can supply us with corrections and updating requested by the end of November, since we must send the revised edition no later than January, 1970.
-Barron's Educational Series, Inc.

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Thought Dynamics.

For appointment and further information call Mr. Condie.

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**Inductive Resistor**

Continued from Page One

Ph.D.'s all wear hoods with blue borders (the color for philosophy) because no matter how much science they learn, they are still receiving a Doctor of Philosophy degree. One might think that it would be more appropriate for them to wear golden yellow (science) or orange (engineering), but it doesn't work that way. The lining of the hood identifies the wearer's school.

At Tech this lining is orange with a white chevron (v-shaped stripe) near the bottom. Practically all other schools have a symbol with one or two chevrons.

A Still Bigger Mess

All of the above descriptions pertain to schools within the U.S. Since 1895 there has been an Intercollegiate Code, which is followed by nearly all universities. Outside of the U.S. chaos reigns. Some of the German universities use beret-like hats instead of mortar-boards. The University of Paris has each Doctoral candidate wear a scarf trimmed with ermine. The British "system" is so messed up that it isn't a system at all.

S$$$S

Not only does this gear look impressive, but the price tags are also very impressive. The cap, gown, and hood for a Bachelor's degree rent for $10.75 per day. The same equipment will cost a Master's candidate $13.75, and will set back a Doctoral candidate $13.25. If for sentimental or other reasons the new Doctor wishes to purchase his outfit, the bill will be between eighty and one hundred twenty dollars! If anyone ever complains that professors are underpaid and thus can't afford the simple luxuries, just remember that Linus Pauling has a whole cabinet-full of caps, hoods, and gowns!

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**Venture: Purify water with the fiber that made men whistle.**

Nylon. Reverse osmosis. A fiber that started making girls' legs more beautiful some 30 years ago. And a process that's been around a lot longer. But when Du Pont scientists and engineers look at them in a new way, they combine into an idea that can change the world.

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So Du Pont scientists and engineers are even now working to improve fibers, units and plant designs that should make it possible to get fresh water from salt at a price that any town or nation can afford.

Innovation—applying the known to discover the unknown, inventing new materials and putting them to work, using research and engineering to create the ideas and products of the future—this is the venture Du Pont people are now engaged in.

For a variety of career opportunities, and a chance to advance through many fields, talk to your Du Pont Recruiter. Or send us the coupon.

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**Ad, Ad, What?**

Continued from Page Five

Ad Astra, from 1610 Ves­pers, is a different story. Carlos attempts to insert "voice-like articulation" into parts of the piece. Although one is a little hard-put to recognize words, the attempt is truly impressive, especially consider­ing that the Moog is effectively a keyboard instrument.

Bach's "Brandenburg Concerto No. 4 in G Major" comes across reasonably, and it is well worth hearing. However, my personal preference, as far as an interesting arrangement, is for the "Brandenburg Concerto No. 3," which appears on the earlier album.

All in all, Walter Carlos' "elec­tronic realizations" are strikingly different—may be continue to shake the music world. I would recom­mend this album to anyone inter­ested in electronic music, or for that matter, anyone interested in classical music. However, if you don't already own SWITCHED-ON BACH (Columbia MS7194), I would suggest that you hear that album first.

-Bruce Swedien

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**THE CALIFORNIA TECH**

Thursday, November 6, 1970