Applicants sought for Danforth grants

The Danforth Foundation, an educational trust fund in St. Louis, Missouri, invites application for Danforth Graduate Fellowships from college seniors and recent graduates who are preparing themselves for a career of college teaching, and are planning to enter graduate school in September, 1956, for their first year of graduate study. The Foundation welcomes applicants from the areas of natural and biological sciences, social sciences, humanities, and all fields of specialization to be found in the undergraduate college.

Dean Eaton will nominate to the Danforth Foundation two or not to exceed three candidates for these fellowships. These ap-

Details of tour in Soviet Union told by Cary

Can we "sell" democratic ideas to the Russians? "I don't think you can do it by radio," was Stephen Cary's answer when he discussed this and other questions with several of the California Tech staff last Monday. Mr. Cary expressed the conviction that the American people are beginning to realize that "the communistic methods" of their government are best suited for developing some understanding of what a free society is.

Another event which will not be held this year is the Caltech Freshman Sophomore Dance. The government had to approve the use of virgin land. Although a major change in strategy but no change in policy in the USSR.

Richter to discuss quakes in lecture

Earthquakes. When and where? will be the subject of this week's Friday Evening Demonstration Lecture to be given at 7:30 p.m. in room 305, Norman Bridge Hall of Physics.

Dr. Charles F. Richter, professor of seismology, will be the lecturer. He is noted for the development of an instrumental magnitude scale used to rate earthquakes, and for his studies on seismic waves and the geography of earthquakes.

Dr. Richter is co-author with Dr. Beno Gutenberg, director of the Caltech Seismological Laboratory, of the book now in its second edition, "Seismicity of the Earth."

Dr. Richter received his B.A. degree from Stanford in 1920; and his Ph.D. from Caltech in 1928. He received his professorship from the Institute in 1932.

This has been active in Clyde's seismological lab.

Hoffman discusses world situation at Tech interview

International affairs was the primary topic discussed by Paul G. Hoffman in an interview with several of the California Tech staff last Monday. Mr. Hoffman expressed his opinions on the present world situation and laid particular emphasis on the importance of the new strategy of the leaders of the USSR.

"We are now entering a much more dangerous phase of the cold war," he emphasized. According to Mr. Hoffman, the new Russian attitude represents a major change in strategy but no change in policy in the USSR.

After 1945 Russia adopted a more aggressive course, but during the Marshall Plan appropriations, Stalin made fiery speeches denouncing the Plan. This changed when the Marshall Plan's continuation of aid to Russia was in question. Mr. Hoffman talks of the need for a strong foreign policy in the United States.

That Russian leaders are not

(Continued on Page 4)
It seems scholarly Phil Conley has been too busy with other pursuits to spend time pursuing dem darn daisels. Therefore, after exhausting all the likely prospects in the Southland, he eagerly awaited the arrival of his blind date from Phoenix for the Inter­house. He was pleased to learn she liked athletics. In fact, she was one. A seventeen foot broad jump is quite an accomplish­ment, even for a broad. Well, at least they had something in common.

Saki Sam Discovers WAE

Phil Lasser Parrotto thought his women troubles had ended when he gave away the phone number of his blind date for the Interhouse. It was red after she replied at 9 p.m. Saturday night bright-eyed and fancy free that he realized the extent to which some women go for a man? (The Peak must have gotten carried away.) The crowning insult was when he returned to his room at 12:59 a.m. and found a Frosh from another house and his female companion. They even had drunken all his pineapple juice. Some days are like that.

Banger, Baffling

The speedy wings of George Proctor’s love made only two stops on the flight pattern down to Pomona. Both times the reason for stopping was a flashing red light that wasn’t an ambulance. George hoped that back camera man to the chase, but the uncooperating policemen would only give him two tickets.

Wanted: One Female Rancher

Starting with a date three weeks ahead, but thwarted by two “dear Herb” phone calls, H. Banch was without a date at 6:30 p.m. Saturday. The solu­tion: Call Pomona and say, “I’ll be there in 75 minutes. Get me a blind date.

Mother Never Told Him

Russ Hunter, long time ad­mirer of Lital Orton Nanny, slept ’round the clock and found a Frosh from another house. He was pleased to learn they can count on student coop­eration in common.

The Howard Hughes Fellowships in Science and Engineering

Eligible for these awards are U.S. citizens who have completed one year of graduate work in Engineering or Physics and who can qualify for graduate standing at the California Institute of Technology. Application forms and instructions will be available at the Howard Hughes Fellowship Committee. For application forms and complete information, write:

Howard Hughes Fellowship Committee

Hughes Research and Development Laboratories

Culver City, Los Angeles County, California

THE WORLD AND TANGORA

by Marty Tangora

Skimming over an Interde­note Press bulletin last month, I ran across a little item which stroked me as highly ironical. In part it ran as follows:

"Wellness, Mass.—Eleven­forty­class on Saturdays will be a thing of the past at Wellesley College, beginning this fall. This decision to abolish the last hour of morning classes was reached by the Academic Council after over a year of research and discussion on the problems of week-end cutting.

Dean Ella Keats Whiting said, ‘Through­out the study of the problem the Education Committee and Col­lege Government have given me invaluable help. The faculty sought student opinion on a matter which is of concern to all of us in the college community.

The study, begun with a statistical appraisal of cutting last year... showed real cooperation and interest on the part of the students.

It does my heart good to know they can count on student coop­eration on a matter like that.

(Continued on Page 6)
Lovely Sandy Nash reigns as first homecoming queen

By Frank Korsky

We are not in the least guilty of exaggeration when we say that it is a pleasure to present to you your first Homecoming Queen, Miss Sandra Nash, known as "Sandy" to her friends. Sandy really has all the attributes of a queen; not only is she lovely to look at, but she is lovely to be with, even if it is only for a short interview, as in our case.

We got right down to cases with Sandy. Born: "August twenty-ninth, nineteen thirty-six." Where: "Salem, the capital of Oregon, although Portland has more people."

Came to California: "When I was twelve years old, we moved to Long Beach and I went to St. Anthony's High School there." Not-so-vital statistics: "I am a brown-eyed brunette, five feet six and one-half inches tall."

The above question and answer period finished, we moved on to more interesting matters. Her majesty told us that she is a sophomore at Immaculate Heart College majoring in English. We said we could have guessed as much from her delightful conversation, and we requested the name of her favorite author.

Sandy replied: "Well, that's a difficult question to answer, but I suppose it would be James Joyce. I especially like his 'Portrait of the Author as a Young Man,'" which selection, we might add, is pretty heavy going for such a tender young thing.

One always wonders if beneath the pretty face there lurks an empty head, but nothing could be further from the truth in the case of Miss Nash. For example, she was Freshman of the Year at Immaculate Heart last year, and this achievement alone requires a certain minimum grade point average. Moreover, she is the student chairman of the science seminar at IHC, and is quite interested in music; having studied the piano for five years. In particular, she enjoys listening to modern jazz and classical music; her favorite hangout being the Lighthouse in Hermosa Beach. Her ambition, Sandy said, is "To be an integrated being," and we're sure that she will realize her ambition.

Yet Sandy has still another side to her; Sandy the tomboy. Said she: "Last summer I went back to Salem for a vacation and I really had a marvelous time. I went bicycling, water-skiing and swimming in Mill Creek with my thirteen year old boy cousin along as protector. One day as the two of us were riding along I said to him, 'Gee, if I were married I couldn't be doing this.' He nodded his head and thought a minute then said, 'That's okay, I'll marry you and then it will be all right.'"

The photographer snapped one more picture of Sandy and then she said she would have to run. As we were waving goodbye, it suddenly occurred to us how lucky we were to have such a charming and attractive young lady to be Caltech's first queen.

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The Qualifications of the candidates, as listed in the announcement from the Foundation are outstanding academic personality, ability, and integrity and character, including faith and commitment within the Christian tradition.

All applications, including the recommendations, must be completed by February 15, 1956. Any student wishing further information should get in touch with Dean Eason.

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**What's doing at Pratt & Whitney Aircraft**

**World Travel in the Jet Age**

Carrying forward a great tradition of American leadership in aviation, a team of four world-famous organizations has ushered in a new era in commercial transportation. Between December 1958 and January 1961, Pan American World Airways, who pioneered trans-oceanic air travel with Pratt & Whitney Aircraft piston engines, will put into passenger service the Boeing 707 and twenty-five Douglas DC-8 jet transports. This fleet of airliners will be powered by twin-spool axial-flow jet engines, designed and developed by Pratt & Whitney Aircraft.

Behind this significant achievement lies countless engineering man-hours. The development of a jet-engine powerplant with more than 10,000 pounds of thrust, ensnared far more than performance on paper. By the time the engine was proved experimentally in 1950, Pratt & Whitney Aircraft engineers had coped with some of the most complex problems of present-day engineering. Just how successfully they solved them is well evidenced by the widespread use of the J-57 turbo-jet in today's military aircraft for both intercontinental and supersonic flight.

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**Grants offered to seniors, graduates**

Continued from page 1

Duren. Students with or without financial need are invited to apply.

A Danforth Fellow is allowed to carry other scholarship appointments, such as Rhodes, Fulbright, Woodrow Wilson, Marshall, etc., concurrently with his Danforth Fellowship, and applicants for these appointments are cordially invited to apply at the same time for a Danforth Fellowship. If a man receives the Danforth Award in general, either with a Rhodes Scholarship, Fulbright Scholarship, or Woodrow Wilson Fellowship, he becomes a Danforth Fellow with a stipend, until these other relationships are completed.

All Danforth Fellows will participate in the annual Danforth Foundation Conference on Teaching, to be held at Camp Minniwawa in Michigan next September.

The qualifications of the candidates as listed in the announce-ment from the Foundation are outstanding academic personality, ability, and integrity and character, including faith and commitment within the Christian tradition.

All applications, including the recommendations, must be completed by February 15, 1956. Any student wishing further infor-mation should get in touch with Dean Eason.

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**ATTENTION**

Starting this week Carl's Caltech Barbers is offering 3 FREE HAIR-CUTS a week. Every week 3 student body numbers will be chosen at random. Two will be posted in the Barber Shop and one will be published in the TECH.
Polo team scores double over L. A. State, Whittier

Tuesday the Beaver polo team romped to their most convincing win of the year in a 25-5 rout of Whittier. The score was 25-5 going into the last quarter. At this time goals Don Wiberg was shifted to forward were scored twice, but the opposition managed to slip five goals through also.

Jim Ball and Bill Davis led the scoring brigade with six goals each, followed by Clark Rees and Vince Taylor with four each, and Dick Lopez, and in fullback, Jack Kemp, who has for the past quarter. This time goalie Don Wiberg was shifted to forward where he scored twice, but the opposition managed to slip five goals throughout.

Oxy Tigres

Caltech's varsity football team returned to action after a two week layoff Saturday as the Beavers play host to their arch rivals, the Occidental Tigers, in Tech's annual homecoming game.

With an open date to give them extra practice time, the Beavers shuffled their offensive lineup to give a more passable offense, using Phil Corley at left end to make up for his pass catching abilities and installing sophomore Dick Van Kirk in the quarterback slot when Corley is at end.

Coach Bert Lafracher has been emphasizing downfield blocking the past two weeks in the hopes that he will be able to spring his halfback aces, Don Stocking and Charley Malone, loose for long gains against the Tigers. The lack of adequate downfield blocking has cost the Beavers several touchdowns at crucial times this season, and Lafracher hopes to have that difficulty erased by game time Saturday night.

Oxy's passing attack is centered around their ace quarterback, Dabney, who has for targets a pair of the best ends in the conference in Jim Morn and Dick Loper, and in fullback Don Lyon the Tigers have the league's leading ground gainer. Halfbacks Curt Plott and Walt Williamson are also dangerous breakaway threats.

Cramming for Exams?

"Fight "Book Fatigue" Safely"

Your doctor will tell you—a NoDoz Awakener is safe as an average cup of hot, black coffee. A NoDoz Awakener when you cram for that exam can also bring you a sleep deficiency. A NoDoz Awakener brings on the "3 o'clock cobwebs." You'll find NoDoz gives you a real "lift", without a letdown, a "feeling of well-being", helps you snap back to normal and fight fatigue safely.

WHAT'S THIS? For solution see paragraph below.

Fight "Book Fatigue" Safely

"It's Toasted!" to taste better.

Students!

EARN $25!

Cut yourself in on the Lucky Strike dollars. You've got 30 days to earn $25 for your college. Match up with the college you choose. Login and find your college, and add the name of the college to your college account. Then you'll have struck lucky with Lucky Strike. Then you can enjoy the taste of Lucky Strike cigarettes. You can use your $25 for anything you like. Lucky Strike, 500 Bays, 100 Bays, 50 Bays, or $25. Lucky Strike, 500 Bays, 100 Bays, 50 Bays, or $25.

LUCKIES TASTE BETTER—Cleaner, Fresher, Smoother!
International affairs subject of Tech interview of Hoffman

(Continued from page 1) ting smarter, and hence much more dangerous. Already the relaxation of tensions has begun to weaken the cooperation between the Western nations." Hoffman feels that steps must be taken by the U.S. to counteract this new Russian strategy, but believes that "it can be counteracted only by extraordinary good diplomacy on our part."

The Geneva "Summit" Conference, Hoffman asserted, was very effective in dealing with Russia. Prior to the conference the predominant opinion in Europe was that Russia was really striving for peace, but that the U.S. was "dragging its feet." The Eisenhower disarmament plan, and other U.S. offers at the conference, Hoffman believes, changed world opinion and demonstrated that "if the world wants peace, it must follow U.S. leadership, not Russian"

Mr. Hoffman also made some comments on the so-called Guaranteed Annual Wage plan obtained by the United Auto Workers this year. "The name Guaranteed Annual Wage is very misleading," he said. "The auto workers did not get a guaranteed annual wage. They got supplementary unemployment compensation, which was badly needed, and which I approve of. The thing that disturbed Mr. Hoffman about the GAW settlement was that it indicated that labor leaders do not realize that increased wages must be accompanied by increased productivity. "Labor leaders think they can get a pay increase every year, irrespective of an increase in productivity," he explained. When pay increases exceed productivity, he emphasized, "The result is inevitably devaluation of the dollar."

HELP WANTED

Young man 20-22 yrs. old for general maintenance-janitor work from 5:30 to 9:30 p.m. see Jack Armstrong at Pasadena Bowling Lanes at 970 E. Colorado SY 3-1341

Smoke Tomorrow's better cigarette*

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Los Alamos Laborary

APPLICATIONS are now being accepted for

1956 graduate student summer employment program for...

Experimental Physicists Analytical Chemists
Nuclear Physicists Inorganic Chemists
Theoretical Physicists Physical Chemists
Metalurgical Engineers Ceramic Engineers

Summer employment opportunities at the Laboratory are open to approximately 100 graduate students majoring in various physical sciences, and undergraduates receiving their degrees next June who intend to continue their advanced studies.

The program provides for well-paid summer work with renowned scientists in one of the nation's most important and finest equipped research laboratories.

Summer employees will become familiar with several phases of vital scientific research and development activity related as closely as possible to the individual's field of interest. This experience will enable students to appraise the advantages of a possible career at the Laboratory.

In addition to interesting work, employees will enjoy delightful daytime temperatures and blanket-cool nights in a timbered, mountainous area, only 35 miles from historic old Santa Fe.

Interested students should make immediate inquiry. Completed applications must be received by the Laboratory not later than January 1, 1956, in order to allow time for necessary security clearance. Applicants must be U.S. citizens.

Mail inquiry to: Department of Scientific Personnel

Los Alamos, New Mexico

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Los Alamos Scientific Laboratory

Los Alamos, New Mexico