

C. I. T. NEWS

Y.M.C.A. SPONSORS "FIRESIDE" SERIES

TO give students the opportunity of meeting faculty members and prominent Pasadenans informally, the CalTech Y.M.C.A., under the leadership of Secretary Wesley Hershey, inaugurated a Sunday Evening Fireside Series at the beginning of the fall term.

On a sign-up basis, students accepted invitations from faculty members on successive Sunday evenings. With the exception of the Linus Paulings, who specified freshmen only for three successive Sundays, and then invited upperclassmen and graduates as well for a fourth, two to four faculty hosts extended an invitation to all four classes and graduate students each week.

Two hours of discussion—usually of everything but the host's professional subject—and light refreshments molded opinion unanimously in favor of Fireside continuation, and lists were filled before finals for the first hosts of the winter term, Drs. Lee A. DuBridge and Robert A. Millikan.

PAULING RECIPIENT OF ROYAL SOCIETY MEDAL

THAT Dr. Linus Pauling, head of the Division of Chemistry at the Institute had been awarded the "Davy Medal" by the Royal Society, London, was announced late in November. Dr. Pauling became the second CalTech professor to receive this honor, the first being the late Dr. A. A. Noyes, first chairman of the Chemistry Division, under whom Pauling studied.

Dr. Pauling's contributions to understanding of the nature of chemical bonds—the means by which atoms are bound together to form molecules; his work in the fields of immuno-chemistry and the chemical structure of proteins and other chemical compounds in relation to the biological fields has been outstanding, and it is for such work that this award was made. The award citation reads "for his distinguished contributions to the theory of valency and their application to systems of biological importance."

Although he was unable to be present at the Anniversary Meeting of the Royal Society, December 1, to receive the medal in person, Dr. Pauling will leave immediately after Christmas for England where he is to be Eastman Professor at Oxford for the second and third terms.

LINDVALL TELLS ENGINEERING'S PLANS,

CALTECH'S current aims in the engineering curricula were expressed clearly at the December meeting of the Alumni Association by Division Chairman Frederick Lindvall. Less and less specialization is the trend today, in line with the assumption of responsibility by industry for finishing the training of young engineers. Instruction in attractive new fields of specialization such as radar is being kept to a minimum at the Institute. The basic plan of the Institute to do a few things well guides the engineering development.

Identical courses through the junior year for ME and EE undergraduates, with the requirement of a junior course in advanced mathematics, is indicative of the new training. That comparatively large numbers of men are affected by these trends is shown by the fact that 65 per cent of undergraduates and 60 per cent of graduate students, excluding chemical engineers, have chosen the engineering option.

The teaching load is heavy and current research interests, covering aerodynamic structures, hydrodynamics and vibration problems, rapid loading of materials, and axial flow compressor design, are placing a burden on CalTech's small engineering faculty. Additions both of facilities and faculty are necessary to reduce the teaching loads now carried by members of the Division and bring about a better balance between teaching and research.

TECH ATHLETICS NOW BETWEEN SEASONS

END of the football season saw Tech at the bottom of Southern California Conference standings with three losses and one tie—with Whittier. This was a year of close ones; the Beavers' first string was as good as any in the Conference, but lack of reserve strength comparable to the other schools encountered told on the CalTech team in every case. In both the Pomona and Redlands games, Tech held a lead, but was unable to maintain strength necessary to protect the score.

Outstanding in the fall sports field was the cross-country team. With Conference victories over Pomona and Occidental, plus a non-league win against Santa Barbara, Beaver Harriers suffered only one loss—to Redlands, at the Conference Meet, held Tuesday, December 9, at Tournament Park.

Tech basketball, coached by Carl Shy, is still an unknown quantity. The only two encounters at press time were with Muir J.C., won 42-35 by the Beavers, and a 49-37 loss to the Pasadena Nazarenes, formerly Pasadena College, at the Redlands Invitational Tournament. The Dark-horse Nazarenes took a win from host Redlands in the first round, vanquished Tech and then beat Loyola, seeded second for the tournament. Whittier finally broke the Nazarene's string of victories in the final round to take the Tournament.

As Tech had a bye in the opening Tournament round, the Beavers were not eligible for the consolation round, which was won by Pomona.

1948 BASKETBALL SCHEDULE

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| *Friday | January 9 | CalTech at | Occidental |
| Saturday | January 10 | CalTech at | Pepperdine |
| *Friday | January 16 | Redlands at | CalTech |
| Saturday | January 24 | Chapman at | CalTech |
| *Friday | January 30 | Occidental at | CalTech |
| Saturday | January 31 | CalTech at | Loyola |
| *Friday | February 6 | CalTech at | Redlands |
| *Tuesday | February 10 | Whittier at | CalTech |
| *Friday | February 13 | CalTech at | Pomona |
| *Friday | February 20 | CalTech at | Whittier |
| *Friday | February 27 | Pomona at | CalTech |
| Saturday | February 28 | Loyola at | CalTech |

*Conference games

All home games will be played at the National Guard Armory at 146 North Raymond, Pasadena. Varsity games will start at 8:15 p.m. There will be a freshman preliminary at all games, starting at 6:45 p.m.

INSTITUTE RECEIVES NAVY COMMENDATION

A commendation award for effective cooperation in training naval personnel during World War II was presented to the Institute Friday, December 5, at the 11 a.m. assembly in Culbertson Hall by Rear Admiral Oscar C. Badger, USN, Commandant of the 11th Naval District.

The presentation on the campus of this award which was made to C.I.T. during Navy Week, was arranged for members of the student body, faculty, and others, and was made to Dr. L. A. DuBridge. Also on the program was Dr. R. A. Millikan, head of the Institute during the war years. Registrar L. Winchester Jones spoke on the Navy training program as it was conducted at CalTech.