

PROBLEM—You're designing a radio broadcast transmitter. The circuit includes condensers and other variable elements which must be adjusted by the operator. You want to place these elements for optimum circuit efficiency and where they will be easy to assembly, wire, and service. At the same time, you want to centralize the control knobs at a point convenient to the operator. How would you do it?

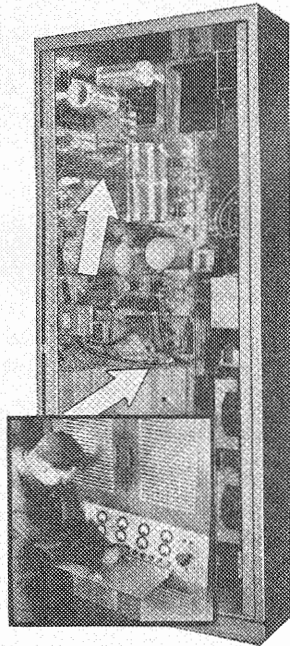
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ALUMNI NEWS

Tau Bate Election

■ TWO CALTECH ALUMNI and eighteen junior and senior students at the Institute were formally initiated into the campus chapter of Tau Beta Pi, national honorary engineering and science fraternity, on December 2.

The two alumni elected for their outstanding records of achievement in engineering since graduation were Howard B. Lewis, partner in the Lewis-Larson Company, Los Angeles industrial design consulting firm, and ex-president (1948-49) of the Alumni Association; and Dean E. Wooldridge, Research Associate in Electrical Engineering at the Institute, and head of the electronics division of the Hughes Aircraft Company.

Fall Social Season

■ THE ALUMNI ASSOCIATION ran off three highly successful functions this fall. The season's opener was an open house held in Dabney Lounge after the Oxy game on October 28. Because the student houses were all having their own parties, this one was set up especially for alumni (and their friends) who attended Tech before the student houses were opened. A crowd of about 120 turned out—and stayed around until nearly 12:30.

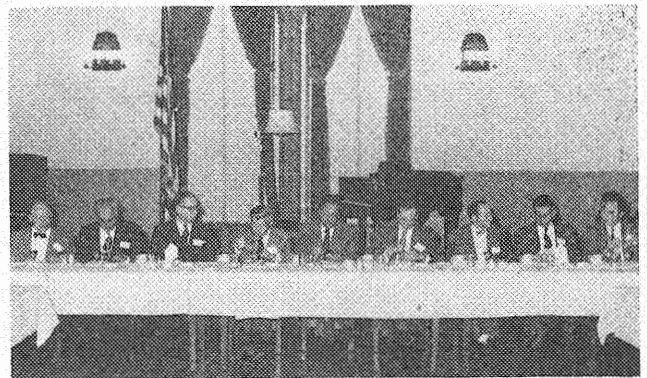
On November 16 a dinner meeting at the Pasadena Athletic Club drew some 60 alumni, who heard Henry Duque, President of the Los Angeles Police Commission, speak on the problems of municipal police work in general—and in Los Angeles in particular.

Last month's (December 2) square dance at the Pasadena Athletic Club had the ballroom jammed to the rafters with about 80 couples—and a lot of the alumni who turned up hadn't been seen at any Caltech functions for years.

The Alumni Association's next big date is Saturday, February 25, when there's to be a dinner dance at the Country Club Hotel in Los Angeles.

Chapter Notes

■ THE CALTECH CLUB of New York had its first meeting this year on the 19th of October at the International Headquarters of I.B.M., which had kindly arranged a demonstration of its Selective Sequence Calculator, a



At the speakers' table at the Alumni Association's November 16 dinner meeting — Sorensen, Lewis, Whitworth, Lewis, Duque, Barry, Clark, Hoge, Wetmore.

truly amazing representative of the new class of giant calculating machines. Twenty-seven members attended the meeting, presided over by Dick Brice.

■ THE SEPTEMBER MEETING of the San Francisco Chapter was held at the Alouette Restaurant in San Francisco. George Farly was the speaker of the evening and gave an interesting illustrated talk on the University of California's bevatron, a proton accelerator operating above the billion electron-volt range. There was an excellent group discussion following the talk which finally had to be broken up in order to get the members home at a decent hour.

The business part of the meeting was devoted to a discussion of the change in policy by the Alumni officers at Pasadena which had resulted in the withdrawal of the chief means of support of the San Francisco Chapter, namely the rebate to the chapter of a portion of the annual dues paid by alumni in this area. The necessity for this change had been explained at an earlier luncheon meeting by Mr. Nick D'Arcy, who explained that alumni funds were not adequate to meet expenses. By unanimous vote of the members present it was decided to establish San Francisco Chapter dues of one dollar per year, the first dues to be paid now and future dues payable to the local secretary at the same time as annual dues are payable to Caltech.

Promotion of the Alumni Fund for the new gymnasium was also discussed and it was decided to keep this project before the members at each of the future meetings.

Bob Loftness, ex-'43, dropped in to be with the group for the evening before continuing his trip to Los Angeles from Europe, where he had been studying for his Ph.D. Chapter members present were as follows: K. B. Anderson, G. Farly, W. E. Flavell, J. J. Halloran, H. P. Henderson, D. R. Jones, R. P. Jones, D. S. Nichols, C. Schraeder, W. H. Sigworth, L. P. Stoker, T. Vermeulen and C. H. Wickett.

The next meeting of the San Francisco Chapter will be a pot luck dinner-dance at the 20th Century Club, Berkeley, January 20th.

■ THE FALL MEETING of the Washington Caltech Alumni Chapter was held on the evening of September 4 at the Roger Smith Hotel. Sixteen members, several with their wives, attended the dinner and meeting. After the dinner, the group heard a very informative talk by Dr. Albert E. Lombard, Jr. on Air Force activities, illustrated by a motion picture.



Alumni square dance — at one of its more placid points.

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