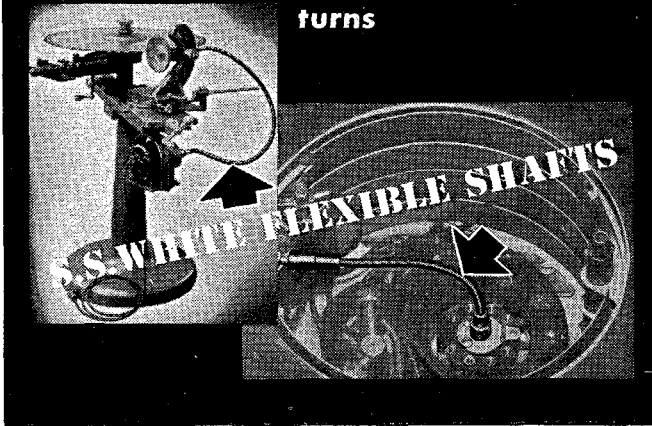


**The economics
of
Flexible Shafts**

**The simple, low-cost
way to carry power
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The two products illustrated presented the same problem — how to carry rotary movement around a turn. The designers might have done it with combinations of straight shafts, universals, bevel gears and other mechanical elements. Instead, they saved parts and costs by using S.S.White Flexible Shafts, and they eliminated a lot of unnecessary assembly time and operations in the bargain.

* * * * *

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ALUMNI NEWS

Alumni Scholarships

IN SIX YEARS the Caltech alumni, through the Caltech Alumni Fund, have provided the Institute with sufficient funds for the construction of a swimming pool and facilities. We can all take pride in this accomplishment — the raising of over \$167,000 for a much needed goal.

As announced previously, the bequest of the late Scott Brown was designated by the Trustees of the Institute for a gymnasium. The combined athletic facility, consisting of the Alumni Pool and the Scott Brown Gymnasium, will be located in Tournament Park. Construction is scheduled to begin early in 1954.

The Alumni Association directors have taken this generous response over the past six years to be an indication of an ability and genuine willingness on the part of the alumni to be of service to Caltech. In the year 1952-53 a total of 1,172 alumni contributed. Considering the relative newness of the Fund, this is a striking demonstration of support. The Caltech Alumni Fund has shown itself to be an instrument for effective and continuing aid on the part of Tech alumni.

Scholarships have been chosen as the next goal. The new objective of the Alumni Fund is the establishment of an endowment to provide for undergraduate scholarships. These will be four-year full-tuition grants, to be known as Alumni Scholarships, and they will be awarded by the Institute on the same basis as the Institute's own scholarships. With the raising of \$75,000, four scholarships can be granted, such that each undergraduate class will have one Alumni Scholar.

As Dean Jones points out elsewhere in this issue, the Institute has a real need for scholarship aid. Private educational institutions such as Caltech are experiencing increasing difficulty in finding the financial means needed to maintain a top-notch educational program. In state universities the tuition is very nominal. Hence, for the private schools to attract high-caliber students of limited financial means, the offering of tuition assistance is a requisite, and this places an additional burden on those institutions. The Alumni Fund, in providing for scholarships, is thus capable of giving true service to the Institute and to education.

Those alumni who have been recipients of scholarships in the past can well appreciate the importance of such a program. Alumni Scholarships will be granted only to students who have a definite need for assistance and whose education at Tech would otherwise be impossible or seriously impaired.

While the solicitation for the Fund does not begin until next February, it is possible to take advantage of the expected reduction in 1954 income tax rates by making an early contribution before January 1. Checks should be made to the Caltech Alumni Fund.

—Robert R. Bennett & A. Allen Ray
Directors in Charge of the Alumni Fund