

ENGINEERING AND SCIENCE

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An Introduction to "Engineering and Science Monthly"

A NAME such as "Engineering and Science" for a magazine that is to be used for the presentation of technical and semi-technical articles by those who have graduated from, and those who are connected with, the California Institute of Technology is very appropriate, for it reflects the very close association that should exist between these fields, an association the creation of which has in fact been one of the most distinctive objectives in the Institute's development. It is a familiar but a very true observation that the fundamental science of one generation is the applied science of the next. The solution of the problems associated with the war has furnished very recent and very powerful verification of the correctness of this assertion.

¶ With the inauguration of this magazine which replaces the "Alumni Review" a new means has been provided for the dissemination of information on the technical work of Institute graduates in the general field of engineering and science. With the greater circulation anticipated, it is hoped that more people will thus have an opportunity of seeing the high caliber of the work of Tech men. The new magazine will also provide another outlet for interesting information resulting from the developments going on at the Institute itself.

¶ Far too often both the engineer and the scientist have lost sight of another phase of the Institute's work that is highly important; namely, the relation of technical training to the broad problems involved in management and even in discharging the respon-

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sibilities of good citizenship. In developing its somewhat unique curriculum, the Institute has striven to find and to maintain a proper balance between technical and non-technical fields. The new magazine also should, and doubtless will, reflect this policy by carrying some reading matter pertaining to fields not directly related to purely technical work.

¶ The fields of industrial relations and industrial engineering are becoming of ever increasing importance in the Institute's work as more and more of its graduates are being drafted for the responsibilities of management. I note with interest the article in the present issue of "Engineering and Science" entitled "Manpower Dynamics" by Lawrence Appley which presents the type of information both engineers and scientists will wish to keep in mind. The Institute, particularly through the initiative of Professor Robert D. Gray, has stimulated an active interest in these fields, and the readers may expect to hear more on the various aspects of this work. Watch for it!

¶ The alumni are by far the best representatives of the Institute's ideals, training and accomplishments, and through their contacts can exercise a vital influence on the future place of C.I.T. in American life. Reciprocally the prestige of the Institute is an invaluable asset to every alumnus. I am confident the new magazine will pay good dividends both to the Institute and to its alumni. No association and no contract is a good one unless it serves the interests of both of the contracting parties.



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