

## Preface

The charter of the American Nuclear Society in reciting the purposes for which the Society was created states that, among other aims, the Society is "to aid in the integration of the several disciplines constituting nuclear science and technology." NUCLEAR SCIENCE AND ENGINEERING, as the official journal of the Society, will play a powerful part in achieving this goal. It is the principal means of communication by the members of the Society and as such can be very effective for support of the profession which deals with the nature and use of nuclear radiation.

There is an extensive literature in nuclear science and engineering but its availability has not been good. Important material may be published in pamphlets and somewhat rare journals, in trade journals, and in the various standard professional journals. There has been much repetition and certainly no uniform standard for editing of the content of these articles. Because atomic energy had wartime origin and because so much of the work is recorded only in project reports, it is not surprising that a consistent publication has not been achieved. The mere fact that the work encompasses a number of basic disciplines has contributed materially to this deficiency in publication. NUCLEAR SCIENCE AND ENGINEERING therefore has been established to meet a very real need. It is hoped that in this one journal papers on original research in all of the disciplines represented by the members of the Society will be published. Readers of the first issue readily can see that subject matter is presented which is of vital interest to all who are engaged either in the exploration of the basic nature of atomic energy or in its use. It is expected that future issues will confirm this wide appeal and that our publication will serve this new technology and new industry.

W. H. ZINN, *President*  
American Nuclear Society

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