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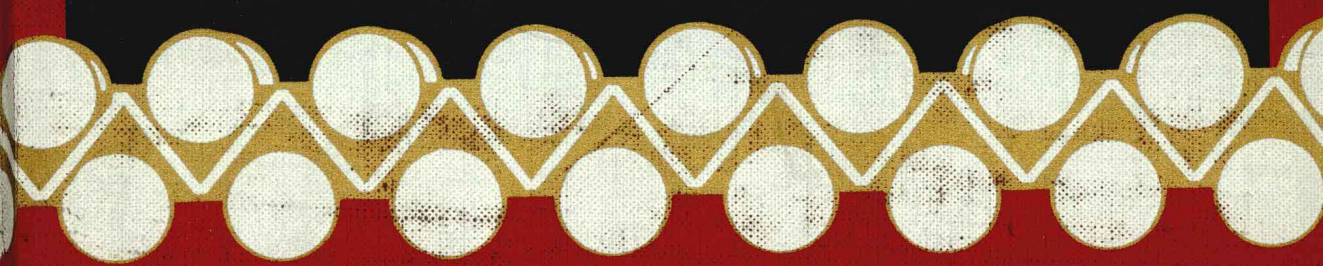
ENCYCLOPEDIA OF POLYMER SCIENCE AND ENGINEERING



VOLUME 1

ENCYCLOPEDIA OF POLYMER SCIENCE AND ENGINEERING

VOLUME 1

A
to
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Because of his invaluable contributions to both editions and his remarkable life and work in polymer science, this new edition of the *Encyclopedia of Polymer Science and Engineering* is dedicated to

HERMAN FRANCIS MARK

on the happy occasion of his Ninetieth Birthday

May 3, 1985

TRIBUTE TO HERMAN FRANCIS MARK

On the occasion of his eightieth birthday, I made the following remark which is as good a statement today as it was ten years ago: "Herman Francis Mark, a great man in science, a good man in the human sense, an unselfish man with great generosity." That concisely is still my characterization.

We are celebrating Dr. Mark's ninetieth birthday and this great scientist and good man continues his unwavering devotion to polymer science and technology. His achievements have been well-recounted in other publications but I would divide his unusual achievements into four categories: (*1*) creative scientific achievements; (*2*) creative writing and editorial contributions to science; (*3*) outstanding pedagogical qualities; and (*4*) warm, human personal qualities.

In the first category, his creative scientific contributions have been enormous and are well-documented. Dr. Mark's complete bibliography is published here and the titles trace his remarkable career.

Of course, his bibliography alone does not adequately reflect his outstanding editorial work and vital efforts in disseminating knowledge and publicizing polymer science. The *Journal of Polymer Science* was founded by Herman Mark in 1946. In addition to authoring, coauthoring, and editing more than 25 books, he has been a major seed and catalyst in the formation of many new publications in macromolecular science. One of these was the *Encyclopedia of Polymer Science and Technology* which now appears in a second edition as the *Encyclopedia of Polymer Science and Engineering*. Creative science and creative writing, these are the hallmarks of our honored friend on this occasion.

In his role as a teacher, Professor Mark has probably stimulated more people to become interested in macromolecular science and technology by his lectures, both in the formal classroom and in the industrial sector, than any one individual in the last century. Herman always has a story to tell when he gives a lecture. He has a basic theme. He knows how to present material very effectively, and he is particularly good at explaining the conceptual aspects of a complicated problem in a simple fashion.

Finally, I would like to emphasize his role as a counselor and human being. All of the younger, and indeed the older, people at the Polytechnic of New York, and I am sure many of his friends in the industrial community, could speak on this point as well. He has always had the wonderful virtue of allowing people to grow around him without trying to submerge them and govern their actions, but rather he encouraged them in every way. It never worried him that these people would leave the Polytechnic Institute of New York as soon as they became eminent, or that they might overshadow him in any area of polymer science. He always encouraged them to move ahead. This is the mark of a great man and a very unselfish man.

On this wonderful occasion of his ninetieth birthday and the publication of the new edition of the *Encyclopedia*, we wish for him continued contributions to and enthusiasm for macromolecular science. New challenges, new ideas and new polymer chemistry, that is the tribute that we can all give to him.

CHARLES G. OVERBERGER
for the Editorial Board

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