

PREFACE

Two previous ADPA Symposia on the compatibility of plastics and other materials with explosives, propellants, and pyrotechnics have been held during the past three years. The first of these held in December 1974 at Picatinny Arsenal, Dover, NJ attracted approximately 100 persons and 26 papers.

This first symposium was so very well received that a second compatibility symposium was organized and held in April 1976 at the Naval Ordnance Station, Indian Head, Maryland. It again attracted approximately 100 persons and 28 papers.

The decision to hold this third symposium was made at the second symposium and the Lawrence Livermore Laboratories kindly volunteered to be hosts. We are most appreciative of the offer.

The problem of compatibility between high-energy materials and binders and additives has long been recognized. The recent proliferation of new materials (propellants, explosives, pyrotechnics, plastics, and other chemicals) has given the subject area increasing importance.

The A.D.P.A. symposia have responded to the need to bring together specialists from DOD research centers and industry in a forum to provide a thorough exchange of information on the current state of the art. It is anticipated that this forum with its free exchange of knowledge will contribute to the advancement of the state of the art.

The success of a technical conference is dependent on many things. First and foremost is the authors' willingness to publish and present their work. Without this willingness there could be no symposium. Secondly, this symposium is grateful to our host for their efforts to provide a platform for the forum. Thirdly, no symposium could be successful without a hard working program committee and session chairman. We are most appreciative of their efforts as well as those of Commander Arthur Sullivan and the rest of the American Defense Preparedness Association staff.

A special thanks is due to Frank D. Swanson for the excellent job he has done as Program Chairman of the first three Symposia.

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