INTRODUCTION

A great deal of research work and significant achievements have been made on the effects of hydrostatic pressure on various aspects of physical and mechanical properties of polymers. The areas of interests included high pressure x-ray studies, high pressure DTA studies, high pressure effects on mechanical properties, pressure-volume-temperature relations, high pressure crystallization, and high pressure effects on piezoelectricity and pyroelectricity. The results of the research have been published in ONR Technical Reports and numerous journal publications as listed below.

PERSONNEL

Coprincipal Investigators

Professor K. D. Pae
Professor B. A. Newman
Professor J. I. Scheinbeim

Ph. D. Students

T. P. Sham
C. H. Yoon
K. T. Chung
D. L. Questad
K. Vijayan
R. W. Renfree
P. K. Chen
K. Tagashira
TECHNICAL REPORTS

Technical Report No. 1
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Technical Report No. 6
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Technical Report No. 14
The Dependence of the Piezoelectric Response of Poly(vinylidene fluoride) on Phase I Volume Fraction.

Technical Report No. 15
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Technical Report No. 17
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Technical Report No. 18
The Pressure Dependence of the Pyroelectric Response of Poly(vinylidene fluoride) Films.

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PAPERS PUBLISHED


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