Final Technical Report

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for support of

The Symposium on Inorganic and Organometallic Polymers

1993 Spring National ACS Meeting
Denver, Colorado
March 29 - April 2, 1993

Principal Investigator: Dr. Patty Wisian-Neilson
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Dallas, TX 75275-0314
The program of the *International Symposium on Inorganic and Organometallic Polymers* reviewed the developments in the area of Inorganic Polymers since the previous symposium on this subject held at the Denver ACS Meeting in 1987. The program at this second meeting included 49 speakers from the United States, France, Germany, Japan, The Netherlands, and Italy, who gave 20 to 30 minute presentations. These were divided into six half-day sessions (Monday, March 28 through Wednesday, March 31) entitled Silicon-containing Polymers (2 sessions), Oxo-network Polymers (1 session), Poly(phosphazenes) (1 session), Main Group Element Polymers (1 session), and Metal-containing Polymers (1 session). In addition, 27 posters on these subjects were presented in the Polymer Division Tuesday evening session. These talks explored a multitude of important and often unique mechanical, thermal, photochemical, electrical, optical, and biomedical properties of Inorganic Polymers. Manuscripts from these papers and posters were published in *Polymer Preprints (Am. Chem. Soc. Div. Polym. Chem.)* 1993, 34(1). The relevant portion of the Table of Contents of *Polymer Preprints* is attached. Attendance at these sessions ranged from 40 to 200 people.

To acquaint those relatively new to the field, a tutorial session was held on Sunday afternoon, March 28 just prior to the regular sessions. Three one hour talks were presented by Harry Allcock, Dietmar Seyferth, and Walter Klemperer on "General Principles, Diversity of Systems, and Structure-Property Relationships in Inorganic and Organometallic Polymers", "A Survey of Organosilicon Polymers", and "Oxopolymers: An Introduction to Inorganic Network Polymerization", respectively.

Based on the vast interest in the meeting and a number of new developments in the field of Inorganic Polymers, the organizers have initiated the publication of papers related to this symposium as an *ACS Symposium Series Volume*. Approximately 35 manuscripts have been received and reviewed and are now being returned to the authors for corrections. The tentative Table of Contents of this book is also attached to this report.
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