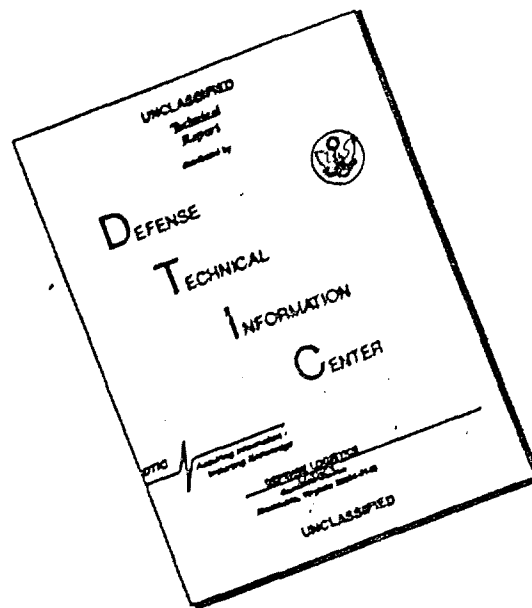


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*Investigation of Chemical Processes
Involved in the Reaction and Polymerization
of Various Monomers*

Georgetown University

Department of Chemistry

AFOSR-TR-89-1516

Final Technical Report

Air Force Office of Scientific Research

Contract Number F49620-79-C-0144

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Joseph E. Bartley, Ph.D., Principal Investigator

Submitted: August 11, 1981

During the period that this contract has been in force, four main meetings of the Chemistry Research-Evaluation Panel for AFOSR have been held. At the Fifty-ninth Meeting of that Panel, which was held on November 15 and 16, 1979, in Albuquerque, New Mexico and at Kirtland Air Force Base, forty-four proposals were evaluated, of which six were judged to fall in the highest categories of quality (A or A-minus). The Sixtieth Meeting of the Panel was held in Washington, D.C. on May 15 and 16, 1980, on the campus of Georgetown University. At that meeting, fifty-three research proposals were considered, of which twenty-one were evaluated as falling in categories of A-plus, A and A-minus. The Air Force Geophysics Laboratory and Concord, Massachusetts were the sites of The Sixty-first Meeting of the Panel. At this meeting there were sixty seven proposals evaluated and of the six sixteen were assigned to the categories of A or A-minus. The Sixty-second Meeting of the Panel was held in Alexandria, Virginia on May 14 and 15, 1981; thirty-eight proposals were evaluated and thirteen of these were judged to have merited the designation of A or A-minus. For all of these meetings, interim technical reports giving relative rankings of all proposals considered have already been submitted. The relative rankings shown in these reports are based on written evaluations of the proposals submitted to the University. For each such proposal considered, opinions of three or more recognized scientists expert in the specific field of the proposed new research were solicited. Generally, five to six reviews were secured for each proposal and three of these were from members of the Panel.

In addition to the proposals which were considered at the main meetings of the Panel a number of proposals dealing with atmospheric sciences were also considered outside the structure of the ordinary Panel operations. A separate Atmospheric Sciences Panel, consisting of two widely recognized scientists in diverse areas of atmospheric research, was constituted. After consultation with this Panel, the Principal Investigator selected several appropriate reviewers for each of these proposals and solicited their evaluation of the proposal. Evaluations of the proposals thus considered have been prepared and submitted as a separate interim technical report.

In addition to the evaluation of proposals in the area of Chemistry, which has been carried out using the main Chemistry Research Evaluation Panel for AFOSR, and evaluation of proposals in the area of Atmospheric Sciences, which was carried out with the assistance of the smaller panel, evaluation of other research efforts currently being carried out under AFOSR subsidies was also accomplished under this program. An ad hoc panel of five scientists participated in the AFOSR Molecular Dynamics Conference, which was held on October 8, 9, 10, 1990 in The Air Force Geophysics Laboratory, Massachusetts. These scientists evaluated those portions of the AFOSR-sponsored research program that were discussed at that Conference and reported both orally and in writing to Air Force scientists.

Chemistry Research Evaluation Panel - AFOSR - Spring 1981

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