

# Introduction

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Professor Andrew Keller, FRS

An international conference on Polymer Physics to mark the formal retirement of Professor Andrew Keller FRS was held at the University of Bristol from 3 to 5 April 1991 under the auspices of the Polymer Physics Group. Numerous distinguished colleagues and co-workers from many countries returned to Bristol for the occasion to give papers reflecting the wide interests and influence of Andrew Keller. Some of these contributions are published together in this volume.

Andrew Keller was born in Budapest, Hungary, on 22 August 1925. He read Chemistry at the University of Budapest in difficult wartime conditions, graduating in 1947. He then proceeded to undertake research on cuprous formate for which his thesis was accepted for PhD but before the formalities were completed he left Hungary for Britain in 1948 as political conditions were deteriorating rapidly.

Finding employment with ICI Dyestuffs division in Manchester he started his lifelong involvement with polymers, soon turning to problems of crystallinity, with early encouragement from A. F. Wells. The opportunity to move to the University of Bristol, to work with F. C. Frank, came in 1955. There his reluctance to accept received opinion without clear evidence, his questioning

mind and his rare gift for finding the telling experiment, soon produced spectacular success. His discovery in 1957 of polymer lamellae (independently discovered also by E. W. Fischer and P. H. Till) and his correct inference of molecular chain folding were revolutionary concepts which have become the twin pillars around which the modern understanding of crystalline polymers is built.

From these small but auspicious beginnings, Andrew Keller's influence has continued to grow. He was appointed Research Professor in Polymer Science at the University of Bristol in 1969 and was elected to the Royal Society in 1972. His research group enlarged allowing him to develop ever wider research interests and leading to many resulting honours. His influence on his colleagues, many of them from overseas, has been literally enormous. Above all he has given a closer focus to the vital parts of our subject.

Despite the formal retirement, no one doubts that Andrew Keller will continue as before to question, to advise and to advance polymer science. We wish him and his wife Eva good health and many long years of 'retirement'.

*D. C. Bassett*

# SECOND INTERNATIONAL CONFERENCE ON FRONTIERS OF POLYMERS AND ADVANCED MATERIALS

January 10-15, 1993 Jakarta, Indonesia

## TOPICS

1) Emerging New Technologies 2) Polymers for Photonics 3) Polymers for Electronics 4) High Performance, Multifunctional, and Intelligent Polymers 5) Polymers for Biotechnology 6) Polymer Life Cycle 7) Polymer Routes to Ceramics 8) Polymer Processing 9) Advanced Materials from Natural Polymers 10) Polymer Education 11) Role of Developing Nations 12) Business Opportunities in Developing Nations.

## EXHIBITION "ENT"

An industrial exhibition on "Emerging New Technologies" with a worldwide participation from telecommunication, aerospace, chemical and electronic industries.

## OBJECTIVES

A conference unique in scope to bring together leading international scientists and top level industrial management for discussions on the current status of advanced materials and new technologies. A truly multidisciplinary and global conference with participation from chemists, physicists, engineers and material scientists.

## BACKGROUND

A sequel to the highly successful 1st International Conference on Frontiers of Polymer Research held in New Delhi, India during January 20-25, 1991 which was inaugurated by the Prime Minister of India and had participation by 25 nations.

## CONFERENCE FORMAT

Overview talks, invited research talks, contributed talks, and poster sessions.

## CONFERENCE INFORMATION

ORGANIZING AGENCIES: 1) Indonesian Institute of Sciences 2) Agency for Assessment and Application of Technology (Indonesia) 3) State University of New York at Buffalo, 4) Indonesia Polymer Association.

HONORARY CHAIRMAN: Professor Dr. Ing. B.J. Habibie, Minister of State for Research and Technology, Republic of Indonesia.

CONFERENCE CHAIRMEN: P. N. Prasad (USA), S. Samadikun (Indonesia)

CO-CHAIRMEN: F. E. Karasz (USA), J. E. Mark (USA), N. M. Surdia (Indonesia)

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NATIONAL ORGANIZING COMMITTEE: Ms. Moertini Atmowidjojo, Indonesian Institute of Sciences, Jakarta, Indonesia.

## CALL FOR PAPERS

Persons interested in attending or submitting a paper should write to ICFPAM Conference Secretary, 51 Acheson Hall, Department of Chemistry, State University of New York at Buffalo, Buffalo, NY 14214, USA. FAX: 716-831-2447.